

Supplemental Materials

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project_ref-based_assem_into_maf_WGA.pl

filter_maf_by_species_number.pl

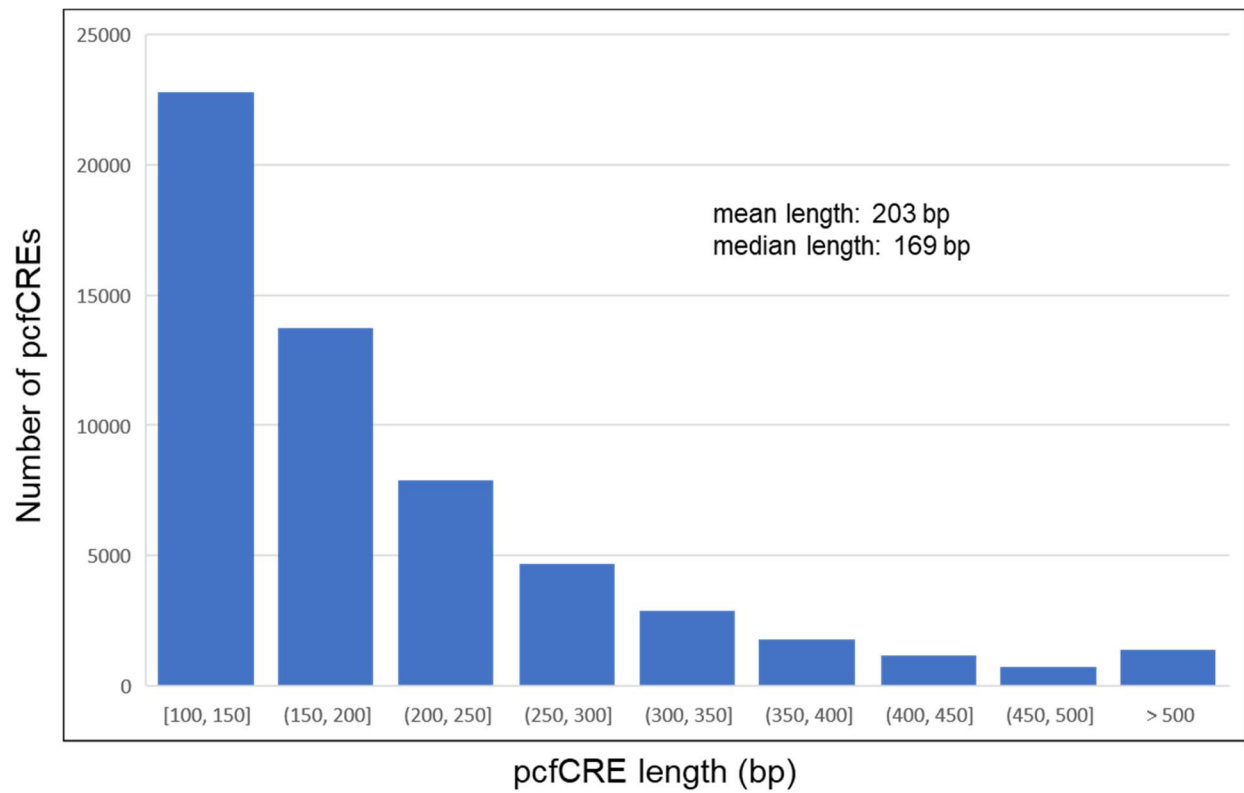
filter_maf_seqs_by_percent_ambiguous.pl

optimize_merge_distances3.2.pl

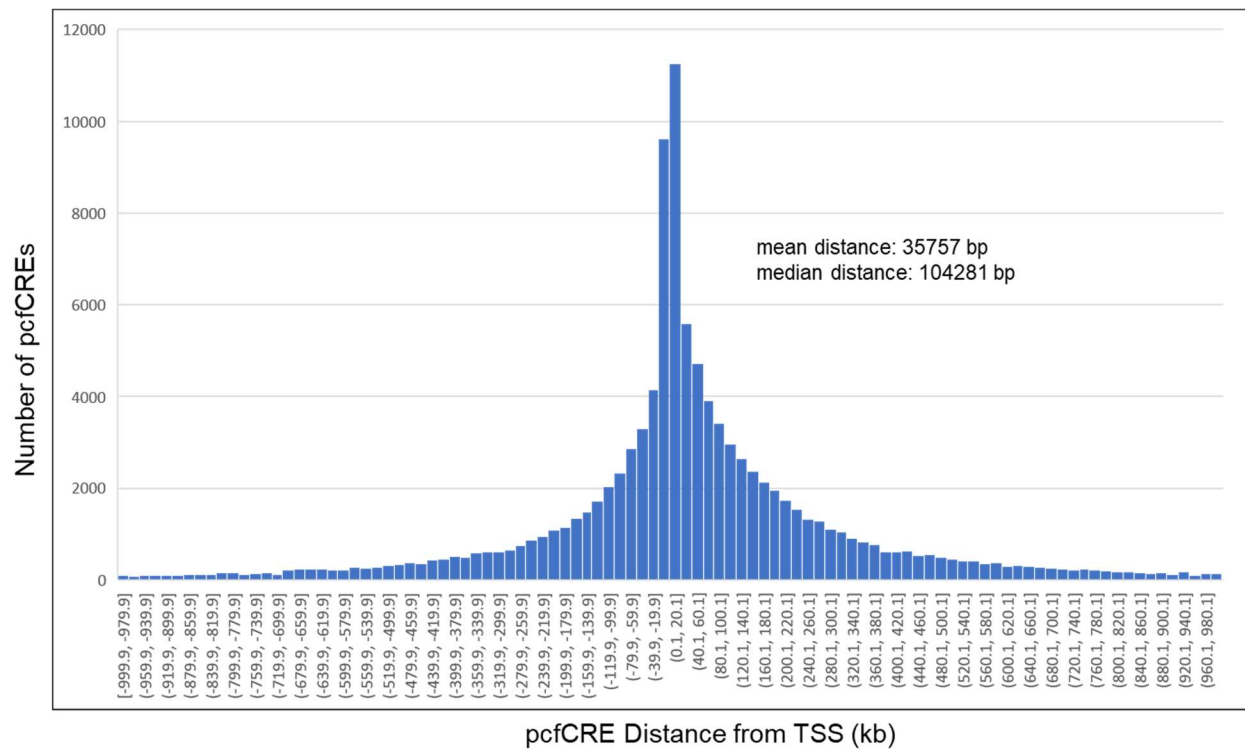
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gBGC_bgclim3-3.R

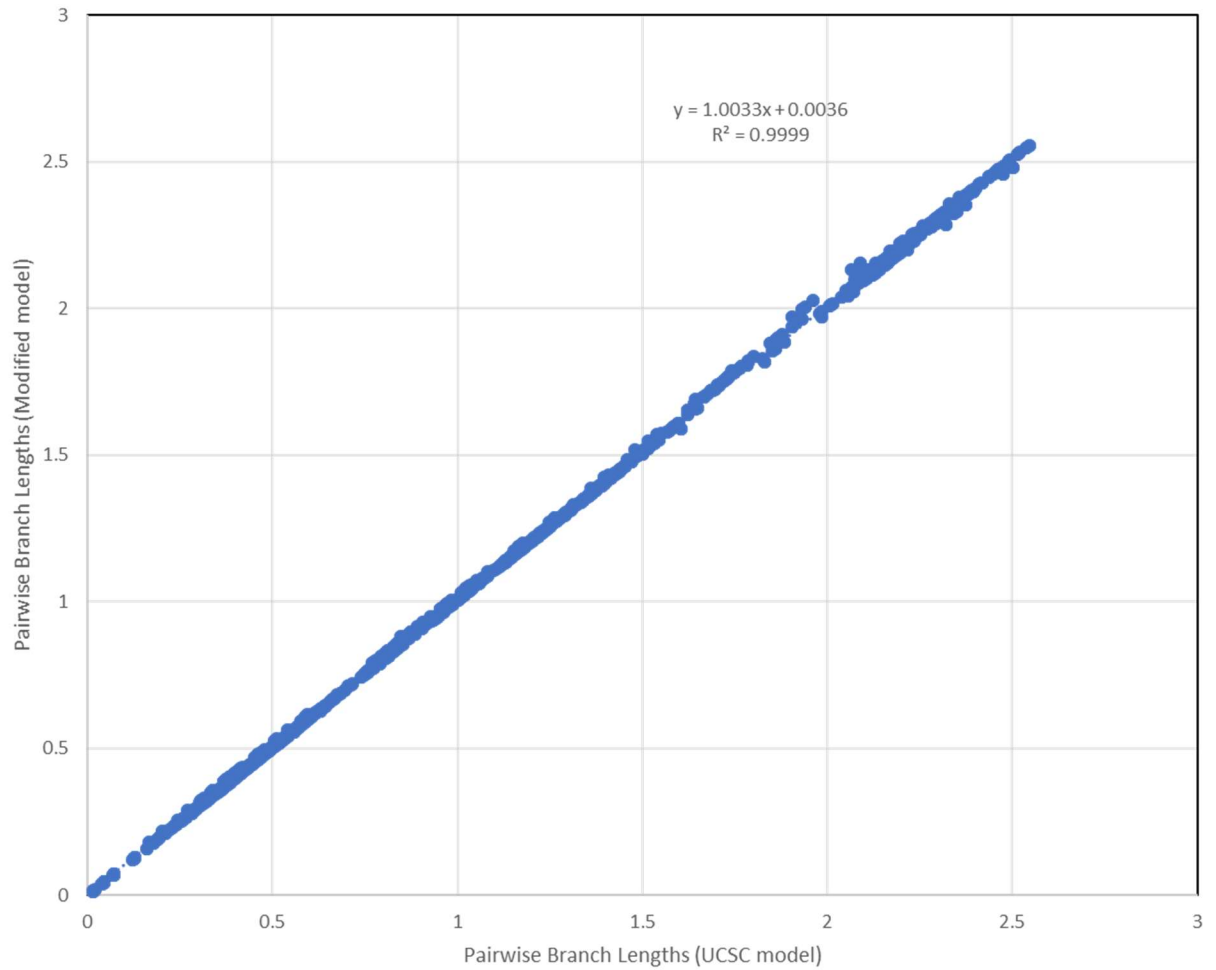
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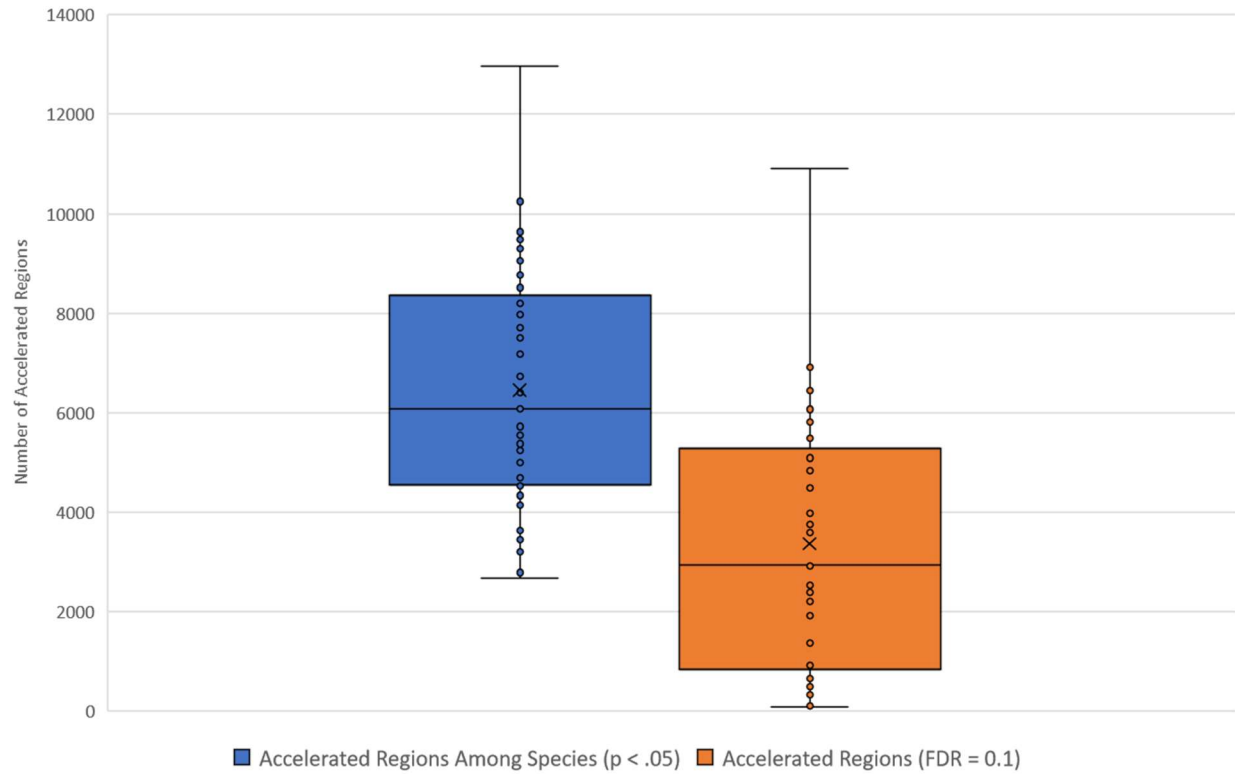
Supplemental Fig. S1: Histogram of pcfCRE lengths binned by 50bp



Supplemental Fig. S2: Histogram of distances between pcfCREs and Transcription Start Sites (TSS). Genes are assigned a proximal domain of 5kb upstream from the transcription start site (TSS) and 1kb downstream. A distal region extends out from the TSS to the proximal region of the next closest gene, or up to 1mb. Based on its coordinates in the reference genome, each pcfCRE falls within 0 or more gene-regions. The distance between each pcfCRE is calculated from the edge of the element to the TSSs for each gene into whose gene-region it falls. Here, distances are binned by 20kb. Mean and median distances are absolute values as genes can be upstream (positive distance) or downstream (negative distance) from each pcfCRE.



Supplemental Fig. S3: Comparison of pairwise branch lengths between UCSC and modified tree models. Pairwise distances (branch lengths) between all branch tips in the UCSC phyloP tree model were compared to distances from equivalent pairs of nodes in the modified, 61-way tree model used in this study. The thylacine node was removed from the 61-way model and dog replaced with wolf. Branch lengths are highly consistent between the two models. Species used and branch lengths are given in Supplemental Table S23.



Supplemental Fig. S4: Boxplot showing variation in the number of accelerated regions per species across a selection of mammals. Boxes represent upper and lower quartiles. The line within each box represents the median number of accelerated regions. Circles represent counts for individual species and the X represents their mean. Upper and lower whiskers represent the maximum and minimum numbers. The blue box is the number of accelerated regions based on their raw acceleration p-value. The orange box is the number of accelerated regions after Benjamini Hochberg correction (FDR = 0.1). Species used and numbers of elements per species are given in Supplemental Table S24

Supplemental Table S1: Species used in comparative genomic analyses

Common Name	Species Name	Assembly
Panda	<i>Ailuropoda melanoleuca</i>	ailMel1
Carolina anole	<i>Anolis carolinensis</i>	anoCar2
Domestic Cow	<i>Bos taurus</i>	bosTau7
Marmoset	<i>Callithrix jacchus</i>	calJac3
Wolf	<i>Canis lupus</i>	UniMelb_Wolf_Refassem_1
Guinea pig	<i>Cavia porcellus</i>	cavPor3
Sloth	<i>Choloepus hoffmanni</i>	choHof1
Painted turtle	<i>Chrysemys picta bellii</i>	chrPic1
Zebrafish	<i>Danio rerio</i>	danRer7
Armadillo	<i>Dasypus novemcinctus</i>	dasNov3
Kangaroo rat	<i>Dipodomys ordii</i>	dipOrd1
Tenrec	<i>Echinops telfairi</i>	echTel1
Horse	<i>Equus caballus</i>	equCab2
Hedgehog	<i>Erinaceus europaeus</i>	eriEur1
Cat	<i>Felis catus</i>	felCat5
Atlantic cod	<i>Gadus morhua</i>	gadMor1
Chicken	<i>Gallus gallus</i>	galGal4
Stickleback	<i>Gasterosteus aculeatus</i>	gasAcu1
Gorilla	<i>Gorilla gorilla</i>	gorGor3
Naked mole-rat	<i>Heterocephalus glaber</i>	hetGla2
Human	<i>Homo sapiens</i>	hg19
Coelacanth	<i>Latimeria chalumnae</i>	latCha1
Elephant	<i>Loxodonta africana</i>	loxAfr3
Wallaby	<i>Macropus eugenii</i>	macEug2
Turkey	<i>Meleagris gallopavo</i>	melGal1
Budgerigar	<i>Melopsittacus undulatus</i>	melUnd1
Mouse lemur	<i>Microcebus murinus</i>	micMur1
Opossum	<i>Monodelphis domestica</i>	monDom5
Mouse	<i>Mus musculus</i>	mm10
Microbat	<i>Myotis lucifugus</i>	myoLuc2
Gibbon	<i>Nomascus leucogenys</i>	nomLeu2
Pika	<i>Ochotona princeps</i>	ochPri2
Nile tilapia	<i>Oreochromis niloticus</i>	oreNil2
Platypus	<i>Ornithorhynchus anatinus</i>	ornAna1
Rabbit	<i>Oryctolagus cuniculus</i>	oryCun2
Medaka	<i>Oryzias latipes</i>	oryLat2
Bushbaby	<i>Otolemur garnettii</i>	otoGar3
Sheep	<i>Ovis aries</i>	oviAri1
Chimp	<i>Pan troglodytes</i>	panTro4
Baboon	<i>Papio hamadryas</i>	papHam1
Lamprey	<i>Petromyzon marinus</i>	petMar1
Orangutan	<i>Pongo pygmaeus abelii</i>	ponAbe2
Rock hyrax	<i>Procavia capensis</i>	proCap1

Megabat	<i>Pteropus vampyrus</i>	pteVam1
Rat	<i>Rattus norvegicus</i>	rheMac3
Chinese	<i>rhesus Macaca</i>	rn5
Squirrel monkey	<i>Saimiri boliviensis</i>	saiBol1
Tasmanian devil	<i>Sarcophilus harrisii</i>	sarHar1
Shrew	<i>Sorex araneus</i>	sorAra1
Squirrel	<i>Spermophilus tridecemlineatus</i>	speTri2
Pig	<i>Sus scrofa</i>	susScr3
Zebra finch	<i>Taeniopygia guttata</i>	taeGut1
Fugu	<i>Takifugu rubripes</i>	fr3
Tarsier	<i>Tarsius syrichta</i>	tarSyr1
Tetraodon	<i>Tetraodon nigroviridis</i>	tetNig2
Manatee	<i>Trichechus manatus latirostris</i>	triMan1
Tree shrew	<i>Tupaia belangeri</i>	tupBel1
Dolphin	<i>Tursiops truncatus</i>	turTru2
Alpaca	<i>Vicugna pacos</i>	vicPac1
Western clawed frog	<i>Xenopus tropicalis</i>	xenTro3
Thylacine	<i>Thylacinus cynocephalus</i>	UniMelb_Thylacine_Refassem_1

Supplemental Table S2: Mouse embryonic ChIP-Seq data

Dataset	Marker
GSE83052	H3K9ac
GSE82940	H3K9ac
GSE82437	H3K9ac
GSE82408	H3K9ac
GSE82925	H3K9ac
GSE86682	H3K27ac
GSE82727	H3K27ac
GSE82664	H3K27ac
GSE82679	H3K27ac
GSE82653	H3K27ac
GSE82955	H3K27ac

Supplemental Table S3: Putative craniofacial cis-regulatory elements (pcfCREs) mm10 coordinates

Mouse chromosome	Alignment Start position (in reference)	Alignment End position (in reference)	Subalignment ID	GREAT Gene-Region Associations (Distances to primary TSS)	VISTA enhancer ID
Chr6	121002899	121003183	Chr6.114993	Foxp1(-81433), Ir6b(+266883)	hs1
Chr19	44514828	44515281	Chr19.48830	Wnt8b(-21583), Sec31b(+30809)	hs1006
Chr18	81166239	81166721	Chr18.80748	Sal13(-179902)	hs1011
Chr13	78937630	78938826	Chr13.59009	Nr2f1(-738471)	hs1024
Chr6	85165819	85165976	Chr6.69554	Emx1(-21540), Spr-pr1(+10893)	hs1025
Chr18	13787240	13788089	Chr18.8422	Zfp521(+185068), Hrh4(+780675)	hs1027
Chr4	124035587	124035738	Chr4.107538	Prarg(+18222), 3100020h9nk(+575135)	hs1031
Chr19	59465993	59466399	Chr19.67455	Emx2(+17834), Rarb11fp2(+477168)	hs1032
Chr4	24019183	24019993	Chr4.15029	Mms22l(-476863)	hs1035
Chr13	79277805	79278220	Chr13.59373	None	hs1039
Chr9	91367196	91367648	Chr9.90633	Zic1(-1654), Zic4(-1548)	hs1043
Chr9	91367731	91367965	Chr9.90635	Zic1(-2080), Zic4(-1122)	hs1043
Chr13	47310701	47311083	Chr13.34991	Ptdf144b(+188172), 4931429p17rk(+707716)	hs1052
Chr18	81153987	81154107	Chr18.80737	Sal13(-167469)	hs1056
Chr11	22002920	22003215	Chr11.14145	Otx1(-1453)	hs1066
Chr11	22003250	22003410	Chr11.14149	Otx1(-1715)	hs1066
Chr11	25872530	25872633	Chr11.19425	5730522e02rk(-102012), 5730522e02rk(+337984)	hs1067
Chr18	25872699	25872803	Chr11.19427	5730522e02rk(-102181), 5730522e02rk(+337815)	hs1067
Chr19	14566628	14567084	Chr19.17214	Tie4(+31127), Olf11505(+647914)	hs1075
Chr13	79136840	79137332	Chr13.59243	Nr2f1(-937329)	hs1079
Chr6	15368643	15369039	Chr6.10969	Mdfr(-351820), Foxp2(+467492)	hs1080
Chr2	105689021	105690063	Chr2.115629	Pax6(+13864), Elp4(+214572)	hs1082
Chr4	22835347	22835657	Chr4.13749	Pou3f2(-347136)	hs1085
Chr4	22835671	22836271	Chr4.13755	Pou3f2(-347667)	hs1085
Chr6	99067689	99067892	Chr6.85021	Gm755(-726037), Foxp1(-1367554)	hs1092
Chr17	47872266	47872844	Chr17.44707	Mdfr(-37884), Foxp4(+51880)	hs1100
Chr2	34356502	34356605	Chr2.35688	Mvb12b(-468808), Pbx3(+15696)	hs1102
Chr2	34358032	34358328	Chr2.35696	Mvb12b(-470234), Pbx3(+14070)	hs1102
Chr13	15543519	15544164	Chr13.7280	Irha(-468039), Gli3(+79652)	hs1111
Chr13	15544413	15544579	Chr13.7282	Irha(-467355), Gli3(+80516)	hs1111
Chr1	41275111	41275614	Chr1.25524	Tmem182(+469762)	hs1112
Chr1	41275648	41276079	Chr1.25527	Tmem182(+470263)	hs1112
Chr11	25356542	25356663	Chr11.18423	5730522e02rk(+413967)	hs1119
Chr11	25356811	25357236	Chr11.18426	5730522e02rk(+413546)	hs1119
Chr11	25357307	25357573	Chr11.18427	5730522e02rk(+413130)	hs1119
Chr11	44625744	44626380	Chr11.39075	Ebf1(+8749)	hs1123
Chr1	42242582	42243247	Chr1.26509	Pou3f3(-454231)	hs1131
Chr1	42243436	42243651	Chr1.26512	Pou3f3(-453602)	hs1131
Chr1	42243928	42244276	Chr1.26518	Pou3f3(-453044)	hs1131
Chr4	123990462	123990692	Chr4.107465	Prarg(+73131), 3100002h9nk(+620226)	hs1139
Chr4	12399080	123991137	Chr4.107467	Prarg(+73538), 3100002h9nk(+619819)	hs1139
Chr19	14240156	14240420	Chr19.16688	Olf11505(+321346), Tie4(+357695)	hs1163
Chr19	14240689	14241242	Chr19.16693	Olf11505(+322024), Tie4(+357017)	hs1163
Chr19	14241530	14241966	Chr19.16701	Olf11505(+322806), Tie4(+356235)	hs1163
Chr18	13222171	13222285	Chr18.7413	Hrh4(-215238), Zfp521(+750505)	hs1169
Chr1	78580926	78581107	Chr1.58454	Nr2f1(-381260)	hs1172
Chr13	78581155	78581910	Chr13.58457	Nr2f1(-381776)	hs1172
Chr18	48384503	48384773	Chr13.36242	Id4(+12321), Zfp169(+128756)	hs1175
Chr18	13669887	13667491	Chr18.8066	Zfp521(+305494), Hrh4(+860249)	hs1180
Chr13	116575511	116576040	Chr13.94379	Isl1(-266088), Parp8(+449740)	hs1187
Chr16	91140185	91140297	Chr16.79864	4932438b23rk(-71096), Gm9881(+31160)	hs1188
Chr1	168169320	168169886	Chr1.138537	Pbx1(+262394), Lmx1a(+479945)	hs1191
Chr1	168357344	168357481	Chr1.139022	Pbx1(+74484), Lmx1a(+667855)	hs1202
Chr1	168357579	168357811	Chr1.139925	Pbx1(+74202), Lmx1a(+668137)	hs1202
Chr1	168357852	168358088	Chr1.139927	Pbx1(+73927), Lmx1a(+668412)	hs1202
Chr1	168358126	168358310	Chr1.139928	Pbx1(+73679), Lmx1a(+668660)	hs1202
Chr9	90692273	90692418	Chr9.90646	Tbc1d2b(-421577), Zc1(+1637422)	hs1203
Chr2	147181147	147181246	Chr2.165209	Mx2(-4195732), Mx2(-2(-6205))	hs1205
Chr11	45136582	45136776	Chr11.40556	Clim1(-715372), Ebf1(+519362)	hs1208
Chr11	18916640	18917212	Chr11.10541	Etaa1(-963051), Gm16140(-92202)	hs1210
Chr11	18917459	18917812	Chr11.10545	Etaa1(-963761), Gm16140(-91492)	hs1210
Chr13	15480508	15480694	Chr13.7104	Irha(-525123), Gli3(+22746)	hs1213
Chr1	168341959	168342212	Chr1.138984	Pbx1(+49811), Lmx1a(+652528)	hs1235
Chr13	53463393	53463751	Chr13.38616	Sptlc1(-86207), Mx2(-9502)	hs1256
Chr13	53463784	53464098	Chr13.38618	Sptlc1(-86576), Mx2(-9133)	hs1256
Chr13	53464501	53464679	Chr13.38621	Sptlc1(-87225), Mx2(-8484)	hs1256
Chr13	63554549	63555122	Chr13.48497	Fanco(-123091), Pch1(+10684)	hs1258
Chr13	63555159	63555267	Chr13.48499	Fanco(-123468), Pch1(+10307)	hs1258
Chr12	9338373	9338594	Chr12.6814	Ort1(-258958), Thc32(-308497)	hs1273
Chr12	9338552	9339477	Chr12.6820	Ort1(-235277), Thc32(-309168)	hs1273
Chr2	137247890	137248541	Chr2.154834	Jag1(-131572)	hs1278
Chr8	90244013	90244161	Chr8.74136	Tox3(+104256)	hs1300
Chr8	90244614	90244754	Chr8.74138	Tox3(+103659)	hs1300
Chr6	90245112	90245326	Chr6.74140	Tox3(+103124)	hs1300
Chr7	115865153	115865448	Chr7.93721	Rps4l-ps(-937575), Sox6(+129785)	hs1301
Chr7	115865769	115866787	Chr7.93723	Rps4l-ps(-938552), Sox6(+128808)	hs1301
Chr7	115866853	115867091	Chr7.93725	Rps4l-ps(-939246), Sox6(+128114)	hs1301
Chr7	115867158	115867394	Chr7.93730	Rps4l-ps(-939550), Sox6(+127810)	hs1301
Chr1	38552221	38552442	Chr1.30989	Rfp4b(-268494)	hs1302
Chr1	38554083	38554303	Chr1.30997	Rfp4b(-268031)	hs1302
Chr10	38555179	38555441	Chr10.31006	Rfp4b(-266469)	hs1302
Chr1	41918444	41919066	Chr1.26178	Pou3f3(-778391)	hs1303
Chr1	41919108	41919290	Chr1.26183	Pou3f3(-777947)	hs1303
Chr16	77421477	77421953	Chr16.70659	Gm1114b(-180379), Usp25(+407646)	hs1304
Chr3	8896108	8896595	Chr3.3733	Hcy1(-199313), Mps2b(+57586)	hs1304
Chr6	28396847	28397115	Chr6.21919	Zfp800(-135070), Gcc1(+24743)	hs1308
Chr6	28397146	28397293	Chr6.21920	Zfp800(-135309), Gcc1(+24504)	hs1308
Chr6	28397823	28397963	Chr6.21927	Zfp800(-135982), Gcc1(+23831)	hs1308
Chr4	98107877	98109005	Chr4.80817	E130114p18rk(-330393), Tm2d1(+274865)	hs1309
Chr1	98109451	98109678	Chr4.80825	E130114p18rk(-331467), Tm2d1(+273791)	hs1309
Chr17	15440627	15440803	Chr17.9656	Famr120b(+44469), Parp8(+51574)	hs1310
Chr9	52148229	52148663	Chr9.50688	Zc3h12c(+19665), Rdx(+100505)	hs1311
Chr9	52149222	52149455	Chr9.50672	Zc3h12c(+18772), Rdx(+101398)	hs1311
Chr9	52149537	52149768	Chr9.50676	Zc3h12c(+18458), Rdx(+101712)	hs1311
Chr15	13339046	13339491	Chr15.9778	Cdnh(-219630)	hs1312
Chr7	112825729	112825729	Chr7.90200	Rass1f(-128433), Tead1(+146209)	hs1314
Chr7	112826179	112826599	Chr7.90206	Rass1f(-128733), Tead1(+147069)	hs1314
Chr7	112826642	112826827	Chr7.90209	Rass1f(-127227), Tead1(+147415)	hs1314
Chr13	39523394	39523558	Chr13.26437	Slc35b3(-562601), Ofcc1(+764535)	hs1315
Chr14	12392999	12393116	Chr14.6040	Foxf2(-47193), Cadps(+430021)	hs1316
Chr3	5223747	5224543	Chr3.1108	Zfx4(+5591), Pev2(+352005)	hs1318
Chr3	5224583	5224707	Chr3.1111	Zfx4(+6091), Pev2(+351055)	hs1318
Chr3	5224763	5225384	Chr3.1112	Zfx4(+6520), Pev2(+351076)	hs1318
Chr3	5225513	5225993	Chr3.1114	Zfx4(+7199), Pev2(+350397)	hs1318
Chr7	131464110	131464235	Chr7.112859	Hmx3(-78694), Acadsb1(+53572)	hs1319
Chr7	131465185	131465544	Chr7.112864	Hmx3(-77502), Acadsb1(+54764)	hs1319
Chr13	116514451	116514655	Chr13.34339	Isl1(-204965), Parp8(+510863)	hs1321
Chr1	116515352	116515467	Chr13.94343	Isl1(-205722), Parp8(+510106)	hs1321
Chr1	13849325	138499717	Chr1.114683	Nek7(+120175), Atg6v1g3(+225783)	hs1322
Chr1	13850162	138500595	Chr1.114687	Nek7(+119371), Atg6v1g3(+226641)	hs1322
Chr1	190729577	190729904	Chr1.164467	Prox1(-559061), Rps6kc1(+182029)	hs1324
Chr6	51076610	51077503	Chr6.45628	Mes23(-355613), G93045g22rk(-198978)	hs1325
Chr4	691303349	6913357	Chr4.1992	Namf1(-458033), Tox1(+77592)	hs1326
Chr2	31499564	31499741	Chr2.30528	Fubp3(-73072), Ass1(+29446)	hs1328
Chr2	31499861	31500102	Chr2.30531	Fubp3(-72743), Ass1(+29775)	hs1328
Chr2	31500492	31500596	Chr2.30532	Fubp3(-72181), Ass1(+30337)	hs1328
Chr3	35088004	35088388	Chr3.23419	Atp11b(-665893), Sox2(+438236)	hs1332
Chr3	35088025	35088632	Chr3.23424	Atp11b(-665565), Sox2(+438564)	hs1332
Chr3	35088070	35088293	Chr3.23424	Atp11b(-665152), Sox2(+438977)	hs1332
Chr3	55755738	55755913	Chr3.39368	Mab21l(-26684), Dok1(+513300)	hs1333
Chr3	55756337	55756629	Chr3.39375	Mab21l(-26027), Dok1(+513957)	hs1333
Chr3	55756798	55757133	Chr3.39379	Mab21l(-25544), Dok1(+514440)	hs1333
Chr18	8044208	8044349	Chr18.3269	Gm581b(-649789), Wac(+175082)	hs1334
Chr18	8044818	8045043	Chr18.3271	Gm581b(-649118), Wac(+175162)	hs1334
Chr13	28415724	28416031	Chr13.16771	Prf5a1(+273394), Sox4(+537835)	hs1335
Chr13	28416301	28416781	Chr13.16773	Prf5a1(+274057), Sox4(+537172)	hs1335
Chr13	28416932	28417086	Chr13.16776	Prf5a1(+274525), Sox4(+536704)	hs1335
Chr13	28417531	28417782	Chr13.16782	Prf5a1(+275173), Sox4(+536056)	hs1335
Chr9	23376331	23376538	Chr9.15294	Npsr1(-719583), Bmpex1(+153559)	hs1336
Chr9	23376705	23376927	Chr9.15300	Npsr1(-719202), Bmpex1(+155749)	hs1336
Chr13	51920672	51920913	Chr13.38137	Gadd45g(+74115), Dirs2(+610043)	hs1339
Chr13	51920955	51921130	Chr13.38140	Gadd45g(+74365), Dirs2(+609793)	hs1339
Chr13	29610073	29610840	Chr13.18295	Sox4(-656744), Cdkal1(+245217)	hs1340
Chr10	92556137	92556242	Chr10.83442	Neod1(-168230)	hs1341
Chr10	92556321	92556562	Chr10.83444	Neod1(-168978)	hs1341
Chr10	92556559	92557201	Chr10.83449	Neod1(+165490)	hs1341

Chr16	29883010	29883358	Chr16.25833	<i>Hes1(-182156), Opa1(+303804)</i>	hs1344
Chr17	63171817	63172163	Chr17.58426	<i>Efnaf5(-290673), Fbxl1(+328027)</i>	hs1345
Chr13	26154092	26154223	Chr13.15798	<i>Nrsn1(-884076), Hdgfl1(+616007)</i>	hs1352
Chr13	26154711	26154881	Chr13.15802	<i>Nrsn1(-884714), Hdgfl1(+615369)</i>	hs1352
Chr13	26155192	26155448	Chr13.15804	<i>Nrsn1(-885238), Hdgfl1(+614845)</i>	hs1352
Chr17	10744872	10745116	Chr17.6229	<i>Qk(-424765), Pacrg(+95317)</i>	hs1358
Chr17	10745258	10745362	Chr17.6231	<i>Qk(-425081), Pacrg(+95001)</i>	hs1358
Chr4	72167630	72167800	Chr4.56654	<i>Gm11232(-409750), Tle1(+33142)</i>	hs1359
Chr4	72167868	72168334	Chr4.56655	<i>Gm11232(-410136), Tle1(+32756)</i>	hs1359
Chr4	72168565	72168722	Chr4.56657	<i>Gm11232(-410879), Tle1(+32213)</i>	hs1359
Chr8	84938080	84938433	Chr3.58726	<i>Gatb(-635862), Fbxw7(+122989)</i>	hs1361
Chr18	79049141	79049439	Chr18.79105	<i>Setbp1(+60101), Gm6133(+699536)</i>	hs1362
Chr18	79049757	79049893	Chr18.79109	<i>Setbp1(+59566), Gm6133(+700071)</i>	hs1362
Chr18	79050831	79050971	Chr18.79112	<i>Setbp1(+58490), Gm6133(+701147)</i>	hs1362
Chr18	79051163	79051368	Chr18.79114	<i>Setbp1(+58129), Gm6133(+701512)</i>	hs1362
Chr18	78454964	78455333	Chr18.78131	<i>Gm6133(+105395), Setbp1(+654242)</i>	hs1363
Chr18	78455362	78455614	Chr18.78134	<i>Gm6133(+105734), Setbp1(+653903)</i>	hs1363
Chr4	5962844	5962998	Chr4.1167	<i>Ubxn2b(-228177), Fam110b(+318800)</i>	hs1364
Chr17	30378352	30378675	Chr17.25001	<i>Gm9874(-106997), Zland3(+373427)</i>	hs1366
Chr12	133360394	133360547	Chr1.106794	<i>Ppp115b(-50672), Pfk3c2b(+34459)</i>	hs1368
Chr12	90132051	90132159	Chr12.75687	<i>Dcd2(+60633)</i>	hs1369
Chr18	55519588	55519813	Chr18.55358	<i>Grand3(-912431), Zfp608(-529521)</i>	hs1371
Chr6	61042826	61043253	Chr6.55408	<i>Ccser1(-137284), Mmm1(+98564)</i>	hs1374
Chr18	55195868	55195977	Chr18.54878	<i>Zfp608(-205743)</i>	hs1375
Chr18	55196129	55196794	Chr18.54884	<i>Zfp608(-206282)</i>	hs1375
Chr18	55197114	55197329	Chr18.54893	<i>Zfp608(-207042)</i>	hs1375
Chr2	6261356	6261455	Chr2.2660	<i>Usp6n(-91327), Ecdhc3(-48373)</i>	hs1382
Chr8	98309761	98309963	Chr8.84593	<i>None</i>	hs1383
Chr12	28817713	28817830	Chr12.17167	<i>Myt11(-710612), Eipr1(+65944)</i>	hs1385
Chr2	50971043	50971154	Chr2.54442	<i>Mmadhc(-674382), Rnd3(+178012)</i>	hs1386
Chr2	50971187	50971666	Chr2.54444	<i>Mmadhc(-674710), Rnd3(+177584)</i>	hs1386
Chr4	128715801	128716179	Chr4.113759	<i>A3gnt4(-43268), Pnc2(+61288)</i>	hs1388
Chr3	39048098	39048259	Chr3.27035	<i>Fat4(+161239), Gm9845(+310949)</i>	hs1389
Chr14	103764105	103764327	Chr14.90684	<i>Ednrb(+79480), Slain1(+113988)</i>	hs1394
Chr18	65530487	65530825	Chr18.65710	<i>Zfp532(-49574), Malt1(+99693)</i>	hs1397
Chr13	63569028	63569631	Chr13.48557	<i>Rcn1(-3760)</i>	hs1417
Chr5	132034195	132034195	Chr5.114724	<i>Auto2(+17819), ENMSUS00000098133(+507829)</i>	hs1425
Chr10	125809829	125810324	Chr10.11211	<i>Slc16a7(-481114), Lrg3(-15514)</i>	hs1427
Chr16	15053010	15053136	Chr16.11611	<i>Efcab1(+146436), Ube2v2(+541451)</i>	hs1431
Chr3	30104737	30105424	Chr3.18201	<i>Mecom(-91925), Gm10258(+164866)</i>	hs1433
Chr3	30105972	30106103	Chr3.18205	<i>Mecom(-92882), Gm10258(+163909)</i>	hs1433
Chr3	30106419	30106891	Chr3.18206	<i>Mecom(-93499), Gm10258(+163252)</i>	hs1433
Chr3	30107009	30107165	Chr3.18208	<i>Mecom(-93931), Gm10258(+162860)</i>	hs1433
Chr3	30107215	30107657	Chr3.18211	<i>Mecom(-94280), Gm10258(+162511)</i>	hs1433
Chr3	30108041	30108935	Chr3.18214	<i>Mecom(-95332), Gm10258(+161459)</i>	hs1433
Chr14	23014909	23015105	Chr14.16270	<i>Kcnma1(+788297), Lrmda(+995295)</i>	hs1434
Chr14	23015477	23015960	Chr14.16278	<i>Kcnma1(+787585), Lrmda(+996007)</i>	hs1434
Chr14	23016035	23016305	Chr14.16281	<i>Kcnma1(+787133), Lrmda(+995459)</i>	hs1434
Chr7	98957146	98957775	Chr7.71177	<i>Wnt11(+122330), Uvrag(+183683)</i>	hs1435
Chr7	98957889	98958029	Chr7.71180	<i>Wnt11(+122828), Uvrag(+183185)</i>	hs1435
Chr7	98958162	98958363	Chr7.71183	<i>Wnt11(+123132), Uvrag(+182881)</i>	hs1435
Chr18	78237787	78238051	Chr18.77842	<i>Gm6133(-111835), Slc14a2(-28825)</i>	hs1440
Chr18	78238136	78238260	Chr18.77843	<i>Gm6133(-111556), Slc14a2(-29104)</i>	hs1440
Chr18	78238374	78238587	Chr18.77844	<i>Gm6133(-111273), Slc14a2(-29387)</i>	hs1440
Chr18	78238796	78238944	Chr18.77849	<i>Gm6133(-110894), Slc14a2(-29776)</i>	hs1440
Chr4	98242979	98243088	Chr4.80938	<i>E130114p18rk(-464986), Tm2d1(+140272)</i>	hs1450
Chr4	98243997	98244267	Chr4.80942	<i>E130114p18rk(-466084), Tm2d1(+139174)</i>	hs1450
Chr16	29893769	29894042	Chr16.25854	<i>Hes1(-171434), Opa1(+314526)</i>	hs1453
Chr5	74432542	74432696	Chr5.58425	<i>Scfd2(-99123), Rasl11b(+237323)</i>	hs1460
Chr5	74432968	74433374	Chr5.58427	<i>Scfd2(-98621), Rasl11b(+237620)</i>	hs1460
Chr5	74433591	74433730	Chr5.58431	<i>Scfd2(-98081), Rasl11b(+238365)</i>	hs1460
Chr5	74434249	74434610	Chr5.58439	<i>Scfd2(-97312), Rasl11b(+239134)</i>	hs1460
Chr17	44299892	44300084	Chr17.38430	<i>Sup3(-477174), Clic5(+111406)</i>	hs1461
Chr17	44300457	44301030	Chr17.38434	<i>Sup3(-476408), Clic5(+112172)</i>	hs1461
Chr12	86800798	86800909	Chr12.72086	<i>Lrrc74a(+68471), Irfb2p(+8396)</i>	hs1466
Chr12	86801218	86801326	Chr12.72089	<i>Lrrc74a(+68689), Irfb2p(+83542)</i>	hs1466
Chr12	86802262	86802556	Chr12.72094	<i>Lrrc74a(+68026), Irfb2p(+82405)</i>	hs1466
Chr14	105377807	105378148	Chr14.92764	<i>4930449e01rk(-120810), Ndip2(+119405)</i>	hs1471
Chr16	72866012	72866579	Chr16.65001	<i>Robo1(+23147)</i>	hs1475
Chr16	72866013	72866775	Chr16.65003	<i>Robo1(+23545)</i>	hs1475
Chr4	98224368	98225911	Chr4.80930	<i>E130114p18rk(-445642), Tm2d1(+159616)</i>	hs1488
Chr7	142547926	142548101	Chr7.125889	<i>Mp123(+15002), Igf2(+11475)</i>	hs1488
Chr12	27563999	27564249	Chr12.16554	<i>Sox11(-221415), Dcdc2c(-988178)</i>	hs1496
Chr12	27564283	27564424	Chr12.16560	<i>Sox11(-221645), Dcdc2c(-987949)</i>	hs1496
Chr12	27565671	27566423	Chr12.16573	<i>Sox11(-223338), Dcdc2c(-986256)</i>	hs1496
Chr11	64898732	64898883	Chr11.61734	<i>Elic2(-40230), Hs3s3a(+1453476)</i>	hs1497
Chr8	89006320	89006589	Chr8.72410	<i>Sall1(+37707), Cylid(+301233)</i>	hs152
Chr8	89006815	89007084	Chr8.72413	<i>Sall1(+37212), Cylid(+301728)</i>	hs152
Chr12	50120074	50120457	Chr12.34362	<i>Prkd1(+528957), Gm9804(+718989)</i>	hs1523
Chr12	50120495	50121082	Chr12.34363	<i>Prkd1(+528444), Gm9804(+719502)</i>	hs1523
Chr1	41605791	41605985	Chr1.25789	<i>Tmem182(+800287)</i>	hs1526
Chr1	41606082	41606233	Chr1.25792	<i>Tmem182(+800557)</i>	hs1526
Chr12	25124021	25124141	Chr12.14565	<i>Id2(-2789)</i>	hs1527
Chr12	25124554	25124902	Chr12.14569	<i>Id2(-28636)</i>	hs1527
Chr12	25125394	25125681	Chr12.14574	<i>Id2(-29446)</i>	hs1527
Chr12	25125787	25126001	Chr12.14575	<i>Id2(-29802)</i>	hs1527
Chr19	15837041	15837354	Chr19.18627	<i>Psa1(+187861)</i>	hs1530
Chr2	10561129	105611337	Chr2.115468	<i>Rcn1(-211914), Pax6(-64895)</i>	hs1531
Chr2	105612048	105612497	Chr2.115473	<i>Rcn1(-212954), Pax6(-63855)</i>	hs1531
Chr13	48159009	48159473	Chr13.35931	<i>4931429p17rk(-140633), Id4(-102186)</i>	hs1533
Chr13	48159521	48159696	Chr13.35933	<i>4931429p17rk(-141001), Id4(-101818)</i>	hs1533
Chr13	48161412	48161654	Chr13.35949	<i>4931429p17rk(-142925), Id4(-99894)</i>	hs1533
Chr1	42257719	42258118	Chr1.26537	<i>Pou3f3(-439227)</i>	hs1534
Chr12	56458742	56459335	Chr12.42350	<i>Itbp1(-13145), Nkx2(-77869)</i>	hs1538
Chr16	30129560	30129901	Chr16.26094	<i>Hes1(+64391), Cpn2(+137801)</i>	hs1543
Chr16	30129938	30130245	Chr16.26096	<i>Hes1(+64752), Cpn2(+137440)</i>	hs1543
Chr18	14063509	14063661	Chr18.9227	<i>Gm5160(-361283), Zfp521(-90852)</i>	hs1544
Chr18	14063899	14064229	Chr18.9230	<i>Gm5160(-360804), Zfp521(-91301)</i>	hs1544
Chr18	14064648	14064852	Chr18.9239	<i>Gm5160(-360118), Zfp521(-92017)</i>	hs1544
Chr3	130962002	130962221	Chr3.109128	<i>Rpl34(-231775), Left1(-148359)</i>	hs1545
Chr3	130962337	130962538	Chr3.109130	<i>Rpl34(-232101), Left1(-148033)</i>	hs1545
Chr3	130963244	130963373	Chr3.109131	<i>Rpl34(-232972), Left1(-147162)</i>	hs1545
Chr3	130963488	130963661	Chr3.109133	<i>Rpl34(-233238), Left1(-146896)</i>	hs1545
Chr3	130963849	130964129	Chr3.109138	<i>Rpl34(-233652), Left1(-146482)</i>	hs1545
Chr8	91509084	91509628	Chr8.75866	<i>Floq(-195824), Ix3(+292298)</i>	hs155
Chr8	91509926	91510089	Chr8.75873	<i>Floq(-196476), Ix3(+291646)</i>	hs155
Chr8	91510198	91510323	Chr8.75874	<i>Floq(-196729), Ix3(+291393)</i>	hs155
Chr1	42691396	42691499	Chr1.27170	<i>Pou3f3(-5698)</i>	hs1553
Chr1	42691583	42691807	Chr1.27172	<i>Pou3f3(-5451)</i>	hs1553
Chr1	42692252	42692358	Chr1.27176	<i>Pou3f3(-4941)</i>	hs1553
Chr1	41390096	41390830	Chr1.25625	<i>Tmem182(+584862)</i>	hs1555
Chr9	118318646	118319105	Chr9.120333	<i>Cmc1(-168680), Eomes(+159468)</i>	hs1557
Chr15	85464408	85464604	Chr15.66326	<i>7530416g11rk(+38721), Atxn10(+128125)</i>	hs1559
Chr8	91545940	91546212	Chr8.76000	<i>Floq(-232544), Ix3(+255578)</i>	hs156
Chr8	91546495	91546686	Chr8.76001	<i>Floq(-233059), Ix3(+255063)</i>	hs156
Chr8	91546756	91547083	Chr8.76003	<i>Floq(-233388), Ix3(+254734)</i>	hs156
Chr16	29720087	29720430	Chr16.25689	<i>Hes1(-345081), Opa1(+140879)</i>	hs1563
Chr18	14459041	14459341	Chr18.9780	<i>Gm5160(+34323), Ss18(+223723)</i>	hs1566
Chr18	14459420	14459542	Chr18.9784	<i>Gm5160(+34613), Ss18(+223433)</i>	hs1566
Chr5	147155390	147155881	Chr5.131568	<i>Gsx1(-33060), Pdr10(-78586)</i>	hs1568
Chr8	91538678	91539615	Chr8.75865	<i>Floq(-225565), Ix3(+262557)</i>	hs157
Chr5	120288047	120288240	Chr5.101364	<i>Lhx5(-143626), Rbm19(+171634)</i>	hs1571
Chr5	120288459	120288607	Chr5.101367	<i>Lhx5(-143237), Rbm19(+172023)</i>	hs1571
Chr10	87325742	87325895	Chr10.76926	<i>Gm10764(-35086), Asc1(+167841)</i>	hs1575
Chr1	68048942	68047078	Chr1.53005	<i>Cps1(+923934)</i>	hs1578
Chr1	68047114	68047473	Chr1.53007	<i>Cps1(+924268)</i>	hs1578
Chr14	48709676	48709811	Chr14.40146	<i>Ap5m1(-356751), Otx2(-44498)</i>	hs1579
Chr3	37672720	37672915	Chr3.25501	<i>Spry1(+32738), Gm5148(+51511)</i>	hs1582
Chr19	15800878	15801040	Chr19.18595	<i>Psa1(+124100)</i>	hs1585
Chr19	15801584	15801735	Chr19.18599	<i>Psa1(+123399)</i>	hs1585
Chr19	15801807	15801982	Chr19.18601	<i>Psa1(+123164)</i>	hs1585
Chr18	9218086	9218570	Chr18.37788	<i>Fzd8(-3472), Gq4(+66481)</i>	hs1588
Chr18	9218612	9218655	Chr18.3792	<i>Fzd8(+3878), Gq4(+66075)</i>	hs1588
Chr4	46291628	46291848	Chr4.34398	<i>Xpa(-95427), Foxe1(-51871)</i>	hs1595
Chr4	46353021	46353275	Chr4.34433	<i>Foxe1(+9539), Tmo4(+36275)</i>	hs1596
Chr4	13786999	13787036	Chr4.8598	<i>Runx11(+35671), Slc26a7(+834837)</i>	hs1599

Chr6	51002751	51003214	Chr6.45722	<i>Nfe2l3</i> (-429687), <i>G930045g22rik</i> (-124904)	hs1600
Chr6	51003500	51003620	Chr6.45726	<i>Nfe2l3</i> (-429110), <i>G930045g22rik</i> (-125481)	hs1600
Chr4	14275203	14275310	Chr4.9158	<i>Sic26a7</i> (+346548), <i>Runx11</i> (+523960)	hs1601
Chr12	73051283	73051521	Chr12.54529	<i>Six1</i> (-4232)	hs1602
Chr12	73051872	73051990	Chr12.54530	<i>Six1</i> (-4752)	hs1602
Chr12	73052030	73052246	Chr12.54531	<i>Six1</i> (-4959)	hs1602
Chr6	143449316	143500236	Chr6.123435	<i>Etnk1</i> (+332546), <i>Sox5</i> (+709704)	hs1603
Chr6	53469585	53469744	Chr6.50342	<i>Jazf1</i> (-401034), <i>Creb5</i> (-103719)	hs1604
Chr6	53471190	53471309	Chr6.50347	<i>Jazf1</i> (-402619), <i>Creb5</i> (-102134)	hs1604
Chr2	118532790	118533007	Chr2.130333	<i>Srp14</i> (-63188), <i>Bmi1</i> (+16788)	hs1611
Chr2	118533244	118533479	Chr2.130334	<i>Srp14</i> (-63651), <i>Bmi1</i> (+16325)	hs1611
Chr8	108026512	108026814	Chr8.97035	<i>Zfhx3</i> (-687981), <i>Psmf7</i> (-438181)	hs1612
Chr8	108027548	108027842	Chr8.97036	<i>Zfhx3</i> (-686949), <i>Psmf7</i> (-439213)	hs1612
Chr8	108027873	108028133	Chr8.97038	<i>Zfhx3</i> (-686641), <i>Psmf7</i> (-439521)	hs1612
Chr8	108028413	108028640	Chr8.97042	<i>Zfhx3</i> (-686171), <i>Psmf7</i> (-440045)	hs1612
Chr3	86850167	86850687	Chr3.61332	<i>Mab21l2</i> (-302144), <i>Dcnk2</i> (-70457)	hs1614
Chr4	149893597	149893797	Chr4.104123	<i>Sic25a33</i> (-119420), <i>Spsb1</i> (+61346)	hs1615
Chr12	79846734	79846919	Chr12.62782	<i>Zfp361l</i> (+266186), <i>Rad51b</i> (+549476)	hs1616
Chr12	79846948	79847259	Chr12.62783	<i>Zfp361l</i> (+265909), <i>Rad51b</i> (+549753)	hs1616
Chr12	7984745	79848692	Chr12.62792	<i>Zfp361l</i> (+264189), <i>Rad51b</i> (+551473)	hs1616
Chr8	88774573	88775269	Chr8.72118	<i>Cyld</i> (+60899), <i>Sal1</i> (+269041)	hs162
Chr8	88775416	88775590	Chr8.72118	<i>Cyld</i> (+70281), <i>Sal1</i> (+268659)	hs162
Chr8	88775760	88776049	Chr8.72121	<i>Cyld</i> (+70683), <i>Sal1</i> (+268257)	hs162
Chr16	17808183	17808287	Chr16.14321	<i>Scarf2</i> (+10953), <i>Car15</i> (+30129)	hs1622
Chr4	105861066	105861270	Chr4.89467	<i>Usp24</i> (-455066), <i>Pip3p</i> (+703821)	hs1622
Chr4	105861659	105861659	Chr4.89472	<i>Usp24</i> (-454704), <i>Pip3p</i> (+704163)	hs1622
Chr5	143009479	143009736	Chr5.127793	<i>Fscn1</i> (-49265), <i>Rnf216</i> (+103412)	hs1623
Chr5	143001173	143001274	Chr5.127791	<i>Fscn1</i> (+40881), <i>Rnf216</i> (+111796)	hs1623
Chr4	64437860	64438123	Chr4.49990	<i>Pappa</i> (-686182), <i>Tnc</i> (-390977)	hs1625
Chr4	64438166	64438297	Chr4.49994	<i>Pappa</i> (-685942), <i>Tnc</i> (-391217)	hs1625
Chr6	4457223	44572589	Chr6.1038	<i>Bet1</i> (-370434), <i>Col1a2</i> (-49087)	hs1626
Chr6	4457620	4457740	Chr6.1042	<i>Bet1</i> (-370708), <i>Col1a2</i> (-47813)	hs1626
Chr5	4877488	4877890	Chr5.2278	<i>Fzd1</i> (-119473), <i>Cdk14</i> (+502508)	hs1627
Chr5	4868575	4868864	Chr5.2257	<i>Fzd1</i> (-110504), <i>Cdk14</i> (+511477)	hs1628
Chr14	46017375	46017632	Chr14.36997	<i>Gm15217</i> (-361963), <i>Ddhd1</i> (-359406)	hs1629
Chr14	46017844	46018024	Chr14.36998	<i>Gm15217</i> (-361533), <i>Ddhd1</i> (-359836)	hs1629
Chr14	46018316	46018453	Chr14.37002	<i>Gm15217</i> (-361062), <i>Ddhd1</i> (-360287)	hs1629
Chr14	46019265	46019592	Chr14.37005	<i>Ddhd1</i> (-361331), <i>Gm15217</i> (-360038)	hs1629
Chr14	46019838	46020259	Chr14.37007	<i>Ddhd1</i> (-361951), <i>Gm15217</i> (-359418)	hs1629
Chr9	46381245	46381591	Chr9.41948	<i>Gm4791</i> (-617513), <i>493142915rk</i> (-61432)	hs1632
Chr5	4858512	4858627	Chr5.2237	<i>Fzd1</i> (-100354), <i>Cdk14</i> (+521627)	hs1633
Chr18	16713657	16714017	Chr18.12084	<i>Cdh4</i> (+96409), <i>Gm10036</i> (+881043)	hs1634
Chr1	75833364	75833742	Chr1.64916	<i>Sic4a3</i> (-287287)	hs1635
Chr9	35424282	35424787	Chr9.27681	<i>Cdon</i> (-27541), <i>Rpusd4</i> (+156670)	hs1641
Chr9	35424826	35424947	Chr9.27683	<i>Cdon</i> (-27189), <i>Rpusd4</i> (+157022)	hs1641
Chr9	35424980	35425126	Chr9.27684	<i>Cdon</i> (-27023), <i>Rpusd4</i> (+157188)	hs1641
Chr18	55485912	55486123	Chr18.55295	<i>Grand3</i> (-946114), <i>Zfp608</i> (-495838)	hs1643
Chr10	17230027	17230547	Chr10.11970	<i>Ctcf</i> (-492941)	hs1644
Chr5	111055071	111055429	Chr5.88743	<i>Ptprnc</i> (-275513), <i>Ttc28</i> (+175447)	hs1645
Chr16	42781763	42781870	Chr16.39831	<i>Gap43</i> (-441166), <i>Zbtb20</i> (-125835)	hs1648
Chr16	42782273	42782423	Chr16.39837	<i>Gap43</i> (-441697), <i>Zbtb20</i> (-125304)	hs1648
Chr16	42782462	42782620	Chr16.39840	<i>Gap43</i> (-441890), <i>Zbtb20</i> (-125111)	hs1648
Chr1	98190204	98190349	Chr1.85901	<i>Scoddl</i> (-230847), <i>Pam</i> (-94645)	hs1649
Chr1	98190798	98190903	Chr1.85906	<i>Scoddl</i> (-230273), <i>Pam</i> (-95219)	hs1649
Chr1	98192137	98192405	Chr1.85918	<i>Scoddl</i> (-228853), <i>Pam</i> (-96639)	hs1649
Chr18	10735619	10735752	Chr18.4896	<i>Gata6</i> (-316824), <i>Mb1</i> (+10138)	hs1650
Chr18	10736043	10736200	Chr18.4901	<i>Gata6</i> (-316388), <i>Mb1</i> (+10574)	hs1650
Chr4	13831527	13831814	Chr4.8636	<i>Runx11</i> (+80374), <i>Sic26a7</i> (+790134)	hs1658
Chr4	13831956	13832196	Chr4.8641	<i>Runx11</i> (+80779), <i>Sic26a7</i> (+789729)	hs1658
Chr4	13833011	13833306	Chr4.8647	<i>Runx11</i> (+81862), <i>Sic26a7</i> (+788646)	hs1658
Chr14	54997082	54997202	Chr14.46264	<i>Myl7</i> (-2516)	hs1670
Chr14	54997413	54997559	Chr14.46265	<i>Myl7</i> (-2860)	hs1670
Chr5	120136388	120136510	Chr5.101172	<i>Lhx5</i> (-295321), <i>Rbm19</i> (+19939)	hs1673
Chr6	50890515	50891342	Chr6.45484	<i>Nfe2l3</i> (-441741), <i>G930045g22rik</i> (-12850)	hs1677
Chr6	50891804	50891858	Chr6.45499	<i>Nfe2l3</i> (-54039), <i>G930045g22rik</i> (-13652)	hs1677
Chr14	22576597	22576708	Chr14.15413	<i>Lrmda</i> (-556941)	hs1679
Chr14	22577327	22577650	Chr14.15417	<i>Lrmda</i> (+557777)	hs1679
Chr14	22578075	22578329	Chr14.15420	<i>Lrmda</i> (+558490)	hs1679
Chr3	5387712	5387876	Chr3.1577	<i>Zfhx4</i> (+169240), <i>Pax2</i> (+188356)	hs1681
Chr3	5387839	5388231	Chr3.1578	<i>Zfhx4</i> (+169531), <i>Pax2</i> (+188065)	hs1681
Chr3	5388315	5388539	Chr3.1580	<i>Zfhx4</i> (+169873), <i>Pax2</i> (+187723)	hs1681
Chr3	5389387	5389707	Chr3.1588	<i>Zfhx4</i> (+170993), <i>Pax2</i> (+186603)	hs1681
Chr14	22905876	22906171	Chr14.16105	<i>Lrmda</i> (+886312), <i>Kcnma1</i> (+897280)	hs1683
Chr14	22906674	22907021	Chr14.16116	<i>Lrmda</i> (+887136), <i>Kcnma1</i> (+896456)	hs1683
Chr14	22907229	22907530	Chr14.16124	<i>Lrmda</i> (+887668), <i>Kcnma1</i> (+895924)	hs1683
Chr14	22907662	22907780	Chr14.16126	<i>Lrmda</i> (+887959), <i>Kcnma1</i> (+896253)	hs1683
Chr14	22907971	22908154	Chr14.16127	<i>Lrmda</i> (+888351), <i>Kcnma1</i> (+895241)	hs1683
Chr16	85887968	85888090	Chr16.75374	<i>Adams1</i> (-84916), <i>Adams1</i> (+13096)	hs1684
Chr16	44677466	44677609	Chr16.43220	<i>Boc</i> (-118668), <i>Nepro</i> (-46763)	hs1685
Chr16	44679089	44679320	Chr16.43221	<i>Boc</i> (-120335), <i>Nepro</i> (-45096)	hs1685
Chr16	44679540	44679771	Chr16.43223	<i>Boc</i> (-120786), <i>Nepro</i> (-44645)	hs1685
Chr7	72541499	72541635	Chr7.49135	<i>Rpmi</i> (-333653), <i>Mcp2</i> (-235072)	hs1686
Chr12	79732009	79732235	Chr12.62484	<i>Zfp361l</i> (+380891), <i>Rad51b</i> (+434771)	hs1688
Chr12	79732528	79732687	Chr12.62486	<i>Zfp361l</i> (+380405), <i>Rad51b</i> (+435257)	hs1688
Chr10	39657918	39658022	Chr10.32122	<i>Rev3l</i> (-74148), <i>Traf3ip2</i> (+45036)	hs1690
Chr10	39658436	39658590	Chr10.32125	<i>Rev3l</i> (-73605), <i>Traf3ip2</i> (+45579)	hs1690
Chr10	39659462	39660189	Chr10.32128	<i>Rev3l</i> (-72282), <i>Traf3ip2</i> (+46962)	hs1690
Chr2	63962910	63963112	Chr2.67905	<i>Kcnh7</i> (-778733), <i>Fign</i> (+135001)	hs170
Chr2	63963190	63963316	Chr2.67906	<i>Kcnh7</i> (-778975), <i>Fign</i> (+134759)	hs170
Chr2	63964256	63964360	Chr2.67910	<i>Kcnh7</i> (-780030), <i>Fign</i> (+133704)	hs170
Chr4	139831202	139831390	Chr4.130374	<i>Pax7</i> (+2234), <i>Tas1r2</i> (+177758)	hs1702
Chr4	139831454	139831835	Chr4.130377	<i>Pax7</i> (+1889), <i>Tas1r2</i> (+178017)	hs1702
Chr4	46368780	46368802	Chr4.34443	<i>Tmsi2</i> (-21477), <i>Foxo1</i> (+24337)	hs1717
Chr7	115645285	115645594	Chr7.93239	<i>Rps4-ps</i> (-7118714), <i>Sox6</i> (+349646)	hs1720
Chr7	115645682	115646029	Chr7.93244	<i>Rps4-ps</i> (-7118714), <i>Sox6</i> (+349230)	hs1720
Chr16	108454643	108454801	Chr16.97966	<i>Psmf7</i> (-866240), <i>Zfhx3</i> (-259922)	hs1724
Chr11	81613309	81613394	Chr11.186579	<i>Asic2</i> (-459881), <i>533040a14nk</i> (-247477)	hs1725
Chr10	65750114	65750356	Chr10.57232	<i>Pkw</i> (-55602), <i>Scara5</i> (+83832)	hs1741
Chr19	26844058	26844053	Chr19.29313	<i>Gm15</i> (-40794), <i>Smarca2</i> (+240016)	hs1743
Chr19	5812270	5812406	Chr19.6178	<i>Scy1</i> (-40937), <i>Frmh8</i> (+62936)	hs1759
Chr1	74031177	74031290	Chr1.60450	<i>Tns1</i> (+93213)	hs1764
Chr1	74031712	74031982	Chr1.60453	<i>Tns1</i> (+92600)	hs1764
Chr8	124643973	124644180	Chr8.119694	<i>2310022605rk</i> (+19292), <i>Capn9</i> (+67966)	hs1768
Chr14	48853194	48853311	Chr14.40376	<i>Ap5m1</i> (-213242), <i>Otx2</i> (-188007)	hs1791
Chr14	48853434	48853714	Chr14.40381	<i>Ap5m1</i> (-212921), <i>Otx2</i> (-188328)	hs1791
Chr14	48853771	48854005	Chr14.40382	<i>Ap5m1</i> (-212607), <i>Otx2</i> (-188642)	hs1791
Chr14	48854255	48854443	Chr14.40386	<i>Ap5m1</i> (-212146), <i>Otx2</i> (-189103)	hs1791
Chr6	16727266	16727527	Chr6.12627	<i>Ttec</i> (+171044)	hs1798
Chr2	45171547	45172384	Chr2.48047	<i>Zeb2</i> (-58687)	hs1802
Chr6	23272382	23272656	Chr6.18062	<i>Fazf1</i> (-24555), <i>Rnf133</i> (+377496)	hs1806
Chr6	23273119	23273824	Chr6.18063	<i>Fazf1</i> (-25208), <i>Rnf133</i> (+376833)	hs1809
Chr7	109114924	109115107	Chr7.85967	<i>Ric3</i> (-31685), <i>Lmo1</i> (+55292)	hs1859
Chr7	109115967	109116105	Chr7.85974	<i>Ric3</i> (-32705), <i>Lmo1</i> (+54272)	hs1859
Chr7	109116151	109116384	Chr7.85977	<i>Ric3</i> (-32927), <i>Lmo1</i> (+54050)	hs1859
Chr2	33786205	33788309	Chr2.34671	<i>Lmx1b</i> (-147746), <i>Mob12b</i> (-96689)	hs186
Chr2	33790014	33790195	Chr2.34885	<i>Lmx1b</i> (-149594), <i>Mob12b</i> (-97841)	hs186
Chr2	168049427	168049534	Chr2.188171	<i>Ripor3</i> (-38863), <i>Pard6b</i> (-31523)	hs1860
Chr2	168050583	168050799	Chr2.188175	<i>Ripor3</i> (-40073), <i>Pard6b</i> (-30313)	hs1860
Chr6	96201405	96201875	Chr6.85397	<i>Gm1765</i> (-898886), <i>Foxp1</i> (+233705)	hs187
Chr6	96202026	96202219	Chr6.85401	<i>Gm1765</i> (-896369), <i>Foxp1</i> (+233222)	hs187
Chr6	96203161	96203304	Chr6.85413	<i>Gm1765</i> (-860479), <i>Foxp1</i> (+232112)	hs187
Chr15	63052526	63052870	Chr15.44331	<i>Gsdmc</i> (+756061)	hs1877
Chr15	63052969	63053144	Chr15.44333	<i>Gsdmc</i> (+755702)	hs1877
Chr3	87982898	87983123	Chr3.62933	<i>Nes</i> (+11918), <i>Bcan</i> (+17345)	hs1891
Chr3	87985484	87985616	Chr3.62940	<i>Nes</i> (+14458), <i>Bcan</i> (+14805)	hs1891
Chr8	84742265	84742444	Chr8.67040	<i>G430095p16nk</i> (+19348), <i>Nfix</i> (+31041)	hs1900
Chr8	84742664	84742857	Chr8.67041	<i>G430095p16nk</i> (+19754), <i>Nfix</i> (+30635)	hs1900
Chr9	84744126	84744291	Chr8.67047	<i>G430095p16nk</i> (+21202), <i>Nfix</i> (+29187)	hs1900

Chr6	39243238	39243408	Chr6.34687	<i>Kdm7a</i> (-36534), <i>Slc37a3</i> (+134384)	hs2082
Chr2	93671859	93672126	Chr2.105399	<i>Alx4</i> (+29609), <i>Ext2</i> (+150575)	hs2090
Chr2	93672834	93673115	Chr2.105404	<i>Alx4</i> (+30641), <i>Ext2</i> (+149543)	hs2090
Chr14	208920224	20892353	Chr14.12603	<i>Vcl</i> (-37244), <i>Plau</i> (+55527)	hs2142
Chr13	116633226	116633867	Chr13.94451	<i>Isl1</i> (-323859), <i>Paip8</i> (+391969)	hs215
Chr16	92274282	92274390	Chr16.81031	<i>Kcne2</i> (-18053), <i>Slc5a3</i> (+216014)	hs2174
Chr6	15187230	15187843	Chr6.10680	<i>Mdfc</i> (-533124), <i>Foxp2</i> (+286188)	hs218
Chr6	15187888	15188333	Chr6.10683	<i>Mdfc</i> (-532550), <i>Foxp2</i> (+286762)	hs218
Chr6	15188612	15189076	Chr6.10684	<i>Mdfc</i> (-531617), <i>Foxp2</i> (+287495)	hs218
Chr8	109436999	109437211	Chr8.99869	<i>4923520b1a</i> (-185227), <i>Prph1</i> (-57072)	hs22
Chr3	108410440	108410540	Chr3.88791	<i>Celsr2</i> (+5062), <i>Parc1</i> (+26631)	hs2216
Chr14	24617444	24617597	Chr14.18431	<i>Zmiz1</i> (-841703), <i>Rps24</i> (+126840)	hs2223
Chr14	24617632	24617847	Chr14.18433	<i>Zmiz1</i> (-841484), <i>Rps24</i> (+127059)	hs2223
Chr14	24617963	24618116	Chr14.18438	<i>Zmiz1</i> (-841184), <i>Rps24</i> (+127359)	hs2223
Chr14	24618453	24618585	Chr14.18442	<i>Zmiz1</i> (-840705), <i>Rps24</i> (+127838)	hs2223
Chr14	24618620	24618875	Chr14.18445	<i>Zmiz1</i> (-840476), <i>Rps24</i> (+128067)	hs2223
Chr2	153481576	153481742	Chr2.169968	<i>493040h24nk</i> (-11131), <i>Asxl1</i> (+135814)	hs2225
Chr2	153483466	153483575	Chr2.169970	<i>493040h24nk</i> (-9269), <i>Asxl1</i> (+137676)	hs2225
Chr2	153484063	153484351	Chr2.169975	<i>493040h24nk</i> (-8583), <i>Asxl1</i> (+138362)	hs2225
Chr9	119631801	119632008	Chr9.122599	<i>Scn5a</i> (-52889), <i>Scn10a</i> (+87127)	hs2268
Chr7	11068354	110685507	Chr7.87894	<i>Adm</i> (+40762), <i>B43031904nk</i> (+100914)	hs2289
Chr7	11068895	110689095	Chr7.87897	<i>Adm</i> (+41326), <i>B43031904nk</i> (+100350)	hs2289
Chr11	44799879	44800065	Chr11.39721	<i>Ebf1</i> (+182655)	hs230
Chr11	44800771	44801275	Chr11.39727	<i>Ebf1</i> (+183706)	hs230
Chr11	44801350	44801723	Chr11.39729	<i>Ebf1</i> (+184220)	hs230
Chr12	34215867	34216352	Chr12.21284	<i>Gm18025</i> (+75072), <i>Twist1</i> (+258349)	hs2307
Chr6	6363911	6364232	Chr6.3814	<i>Slc25a13</i> (-146564), <i>Sem1</i> (+214586)	hs2311
Chr6	6364290	6364505	Chr6.3816	<i>Slc25a13</i> (-147280), <i>Sem1</i> (+214260)	hs2311
Chr6	6058532	6058824	Chr6.3381	<i>Slc25a13</i> (+158440), <i>Dync11</i> (-332887)	hs2313
Chr5	131990355	131990643	Chr5.114642	<i>Auts2</i> (-373894), <i>ENSMUSG00000098133</i> (+551324)	hs2316
Chr6	118198900	118187021	Chr6.102974	<i>Caglnac2</i> (-47821), <i>Ran</i> (+10763)	hs2326
Chr16	94631950	94632391	Chr16.84117	<i>Dyrk1a</i> (-62161), <i>Kcnj8</i> (+36535)	hs2333
Chr18	79071225	79071736	Chr18.79166	<i>Setbp1</i> (+37910), <i>Gm6133</i> (+721727)	hs2335
Chr18	7897226	78973534	Chr18.78976	<i>Setbp1</i> (+136161), <i>Gm6133</i> (+623476)	hs2336
Chr17	9008698	90087148	Chr17.84185	<i>Gm10184</i> (-176624)	hs2343
Chr17	90087988	90088483	Chr17.84191	<i>Gm10184</i> (-177787)	hs2343
Chr17	90088920	90088900	Chr17.84194	<i>Gm10308</i> (-999747), <i>Gm10184</i> (-178297)	hs2343
Chr5	51591907	51592074	Chr5.39994	<i>Ppargc1a</i> (-38070), <i>Dhx15</i> (+596528)	hs2348
Chr1	182110843	182110961	Chr1.153019	<i>Enah</i> (-90922), <i>Srp9</i> (-13848)	hs2374
Chr1	182111499	182111613	Chr1.153022	<i>Enah</i> (-91576), <i>Srp9</i> (-13194)	hs2374
Chr12	8386469	8386610	Chr12.5807	<i>Hs1bp3</i> (+73107), <i>Rhob</i> (+113445)	hs2384
Chr4	148709044	148709156	Chr4.137970	<i>Cas21</i> (-95328), <i>Gm572</i> (+65784)	hs241
Chr2	72427461	72427310	Chr2.78751	<i>Cdc47</i> (-49273), <i>Map3k20</i> (+141249)	hs242
Chr2	72427478	72427647	Chr2.78753	<i>Cdc47</i> (-48596), <i>Map3k20</i> (+141926)	hs242
Chr2	73142959	73143234	Chr2.79728	<i>Gm11084</i> (-156381), <i>Ola1</i> (+71350)	hs244
Chr9	14173968	14174346	Chr9.5869	<i>Sesn3</i> (-102144), <i>Fam78b</i> (+34644)	hs2531
Chr9	14175118	14175241	Chr9.5873	<i>Sesn3</i> (-101121), <i>Fam78b</i> (+347464)	hs2531
Chr4	85941353	85941452	Chr4.69139	<i>Adamts1</i> (-112512), <i>Sh3gp2</i> (+735962)	hs2537
Chr4	85941768	85941879	Chr4.69142	<i>Adamts1</i> (-112091), <i>Sh3gp2</i> (+736383)	hs2537
Chr2	147877030	147877234	Chr2.166000	<i>Foxa2</i> (+169837), <i>Pax1</i> (+512138)	hs2547
Chr2	147877523	147877681	Chr2.166006	<i>Foxa2</i> (+169367), <i>Pax1</i> (+512608)	hs2547
Chr15	66239338	66239515	Chr15.46347	<i>Hha1</i> (-262623), <i>Kcnq3</i> (+46797)	hs2563
Chr4	107984648	107984848	Chr4.92264	<i>Slc1a7</i> (+16415), <i>Podn</i> (+47343)	hs2585
Chr3	134302711	134303187	Chr3.112191	<i>Tac3</i> (-526055), <i>Cuxc4</i> (+68451)	hs260
Chr3	134303378	134303747	Chr3.112194	<i>Tac3</i> (-525444), <i>Cuxc4</i> (+67072)	hs260
Chr13	72029511	72029634	Chr13.52011	<i>Irx2</i> (-599247), <i>Irx1</i> (-55850)	hs261
Chr13	72029688	72029799	Chr13.52012	<i>Irx2</i> (-599076), <i>Irx1</i> (-66021)	hs261
Chr13	94868884	94869135	Chr13.72644	<i>Otp</i> (-6617), <i>Toca</i> (+80067)	hs262
Chr13	94871232	94871364	Chr13.65055	<i>Tmem161b</i> (+349022), <i>Gm4076</i> (+556216)	hs267
Chr13	94871881	94871982	Chr13.65057	<i>Tmem161b</i> (+349636), <i>Gm4076</i> (+555582)	hs267
Chr13	94872070	94872190	Chr13.65059	<i>Tmem161b</i> (+349834), <i>Gm4076</i> (+555394)	hs267
Chr13	94859596	94860430	Chr13.64577	<i>Tmem161b</i> (-162283), <i>Mef2c</i> (-555979)	hs268
Chr8	9249749	92450105	Chr8.77838	<i>Irx6</i> (-224362), <i>Irx5</i> (+92131)	hs271
Chr13	77892210	77892642	Chr13.57359	<i>Pou5f2</i> (-130487), <i>Fam172a</i> (+183736)	hs271
Chr16	77892684	77892920	Chr13.57361	<i>Pou5f2</i> (-130111), <i>Fam172a</i> (+184176)	hs271
Chr13	77892973	77893285	Chr13.57362	<i>Pou5f2</i> (-129794), <i>Fam172a</i> (+184439)	hs271
Chr13	77893502	77894235	Chr13.57364	<i>Pou5f2</i> (-129044), <i>Fam172a</i> (+185179)	hs271
Chr4	117647062	117647234	Chr4.100846	<i>Dmap1</i> (+35125), <i>En3</i> (+96783)	hs277
Chr17	47914783	47915080	Chr17.44793	<i>Mdf1</i> (-80231), <i>Foxp4</i> (+9513)	hs281
Chr4	23863397	23863636	Chr4.14972	<i>Mms22l</i> (-512763)	hs282
Chr4	148921732	148922096	Chr4.135348	<i>Cas21</i> (-117465), <i>Pax14</i> (+77962)	hs289
Chr12	117989170	117989613	Chr12.100394	<i>Cdc47</i> (+145877), <i>Dnah1</i> (+209651)	hs294
Chr6	6861574	6862273	Chr6.4498	<i>Dlx6</i> (-1410)	hs298
Chr19	14890502	14890665	Chr19.17650	<i>Tle4</i> (-292601)	hs313
Chr19	14890736	14891456	Chr19.17653	<i>Tle4</i> (-293113)	hs313
Chr2	38143366	38144899	Chr2.40712	<i>Dmyrd1a</i> (+142957), <i>Crb2</i> (+368169)	hs314
Chr3	143101044	143101156	Chr3.119862	<i>Pkn2</i> (-21906)	hs327
Chr2	115538186	115538347	Chr2.125796	<i>Dph6</i> (-883303), <i>Bc052040</i> (-43449)	hs355
Chr2	115538379	115538865	Chr2.125799	<i>Dph6</i> (-883658), <i>Bc052040</i> (-43094)	hs355
Chr2	115538970	115539076	Chr2.125802	<i>Dph6</i> (-884059), <i>Bc052040</i> (-42693)	hs355
Chr9	71979443	71979676	Chr9.75292	<i>Cgml</i> (-204599), <i>Tcf12</i> (+135258)	hs357
Chr18	13738222	13738335	Chr18.8299	<i>Zfp521</i> (-234454), <i>Hm4</i> (+731259)	hs367
Chr18	13738438	13738784	Chr18.8301	<i>Zfp521</i> (-234122), <i>Hm4</i> (+731621)	hs367
Chr18	13738830	13739041	Chr18.8302	<i>Zfp521</i> (+233797), <i>Hm4</i> (+731946)	hs367
Chr18	13739247	13739377	Chr18.8303	<i>Zfp521</i> (+233421), <i>Hm4</i> (+732322)	hs367
Chr18	13896297	13896706	Chr18.8848	<i>Zfp521</i> (-76231), <i>Hm4</i> (+889512)	hs369
Chr18	13896787	13896971	Chr18.8852	<i>Zfp521</i> (-75864), <i>Hm4</i> (+889879)	hs369
Chr18	13897119	13897768	Chr18.8853	<i>Zfp521</i> (-75289), <i>Hm4</i> (+890454)	hs369
Chr18	69499133	69499448	Chr18.69454	<i>Ccdc68</i> (-426175), <i>Tcf4</i> (+154781)	hs376
Chr7	37970396	37971274	Chr7.24841	<i>Zfp536</i> (-200873), <i>Utr1</i> (+48707)	hs381
Chr7	37904885	37904999	Chr7.24725	<i>Zfp536</i> (-134980), <i>Utr1</i> (+114600)	hs382
Chr7	36945304	36945507	Chr7.23128	<i>Tah3</i> (+247288), <i>Zfp536</i> (+824556)	hs385
Chr11	25640864	25645385	Chr11.18908	<i>5730526a2b</i> (+125445)	hs393
Chr11	24370894	24371103	Chr11.16904	<i>Bcl11a</i> (+292826)	hs399
Chr11	24371175	24371906	Chr11.16908	<i>Bcl11a</i> (+293369)	hs399
Chr12	45023622	45024147	Chr12.47406	<i>Gtcf1</i> (-162263), <i>Zeb2</i> (+89394)	hs407
Chr2	45024277	45024538	Chr2.47410	<i>Gtcf1</i> (-162786), <i>Zeb2</i> (+88871)	hs407
Chr2	45024743	45024880	Chr2.47413	<i>Gtcf1</i> (-163190), <i>Zeb2</i> (+88467)	hs407
Chr2	45025016	45025174	Chr2.47414	<i>Gtcf1</i> (-163473), <i>Zeb2</i> (+88194)	hs407
Chr2	45025337	45025558	Chr2.47417	<i>Gtcf1</i> (-163826), <i>Zeb2</i> (+87831)	hs407
Chr2	61656228	61656591	Chr2.65328	<i>Psmf14</i> (-55284), <i>Tank</i> (+77824)	hs416
Chr2	71536282	71536465	Chr2.77372	<i>Dlx1</i> (+8261), <i>Dlx2</i> (+10380)	hs422
Chr2	152735116	152735237	Chr2.168613	<i>Id1</i> (-1074)	hs480
Chr14	21991333	21991512	Chr14.14130	<i>Zfp636</i> (-1822)	hs484
Chr19	45747200	45747527	Chr19.49208	<i>Fgf8</i> (-4491)	hs513
Chr1	89713967	89714507	Chr1.79010	<i>D130058e05nk</i> (-215997), <i>Agap1</i> (+259426)	hs521
Chr1	118776759	118776942	Chr1.91959	<i>Ttcp21</i> (+148906), <i>Gliz</i> (+276768)	hs522
Chr17	85487621	85487908	Chr17.79531	<i>Six3</i> (-133149), <i>Camkml</i> (+397039)	hs541
Chr17	85488260	85488602	Chr17.79535	<i>Six3</i> (-132863), <i>Camkml</i> (+397925)	hs541
Chr17	85489198	85489679	Chr17.79536	<i>Six3</i> (-131526), <i>Camkml</i> (+39863)	hs541
Chr1	177150167	177150572	Chr1.148048	<i>Akl3</i> (+107833), <i>Sdcca9</i> (+335710)	hs545
Chr1	177150639	177151225	Chr1.148052	<i>Akl3</i> (+107271), <i>Sdcca9</i> (+336272)	hs545
Chr12	39301200	39301839	Chr12.26095	<i>Etv1</i> (+521438), <i>Arl4a</i> (+735909)	hs550
Chr12	39301919	39302192	Chr12.26098	<i>Etv1</i> (+521974), <i>Arl4a</i> (+735733)	hs550
Chr2	71516458	71517306	Chr2.77280	<i>Dlx1</i> (-11231), <i>Metap1d</i> (+63809)	hs553
Chr2	71517410	71518076	Chr2.77284	<i>Dlx1</i> (-10370), <i>Metap1d</i> (+64467)	hs553
Chr2	71518192	71518395	Chr2.77285	<i>Dlx1</i> (-9819), <i>Metap1d</i> (+65018)	hs553
Chr4	72196763	72197247	Chr4.56712	<i>Gm11232</i> (-439040), <i>Tle1</i> (+3852)	hs556
Chr4	23601620	23601889	Chr4.14525	<i>Mms22l</i> (-894696)	hs563
Chr4	23601942	23602179	Chr4.14527	<i>Mms22l</i> (-894386)	hs563
Chr14	21252004	21252241	Chr14.13009	<i>Kat6b</i> (-248767), <i>Adk</i> (+199551)	hs595
Chr14	21252276	21253058	Chr14.13015	<i>Kat6b</i> (-248225), <i>Adk</i> (+200093)	hs595
Chr5	122032529	122032747	Chr5.104403	<i>Cux2</i> (+17213), <i>Pheta1</i> (+183610)	hs611
Chr5	122032847	122033299	Chr5.104404	<i>Cux2</i> (+16778), <i>Pheta1</i> (+184045)	hs611
Chr14	98072673	98073347	Chr14.84604	<i>Dach1</i> (+96333)	hs619
Chr14	98073379	98073752	Chr14.84607	<i>Dach1</i> (+95977)	hs619
Chr12	107777998	107778156	Chr12.92991	<i>Bcl11b</i> (+225525), <i>311001806nk</i> (+289445)	hs622
Chr9	71975063	71975611	Chr9.75286	<i>Cgml</i> (-203735), <i>Tcf12</i> (+136482)	hs623
Chr8	87836406	87837237	Chr8.70928	<	

Chr2	46666327	46666433	Chr2.50176	None	hs649
Chr9	90692830	90692991	Chr9.90047	Tbc1d2b(-422142), Zic1(+672857)	hs654
Chr9	90693450	90693608	Chr9.90050	Tbc1d2b(-422760), Zic1(+672239)	hs654
Chr3	33905238	33905958	Chr3.22018	Ccdc39(-51296), Gm9f9(+99814)	hs655
Chr5	13194870	131949349	Chr5.114575	Aut52(-332420), ENSMUSG000000098133(+592798)	hs658
Chr5	131949415	131949648	Chr5.114577	Aut52(-332927), ENSMUSG000000098133(+592291)	hs658
Chr9	63880528	63881225	Chr9.64154	Smad3(-122883), Smad6(+141182)	hs660
Chr4	14024671	14024792	Chr4.8896	Runx11(+273435), Slc26a7(+597073)	hs669
Chr4	24669405	24669424	Chr4.15578	Mms22l(+172914), Kh33(+181759)	hs676
Chr5	75012747	75013116	Chr5.59116	Lnx1(-327145), Chn2(-31542)	hs687
Chr2	146324878	146325732	Chr2.164116	Insm1(+103384), Ralgap2(+186699)	hs688
Chr1	6729254	6729920	Chr1.1578	Pcmtd1(-359333), Sl18(+242356)	hs698
Chr7	136491220	136491662	Chr7.118789	Mki67(-775062), Mgmt(-403170)	hs699
Chr4	154456453	154457009	Chr4.146541	Arhgef16(-156677), Prdm16(+180135)	hs705
Chr7	115824392	115824647	Chr7.93856	Rps4a(-897714), Sox6(+189546)	hs717
Chr8	89389977	89387202	Chr8.73036	Gm5356(-199530), Tax3(+961253)	hs73
Chr8	89387421	89387858	Chr8.73040	Gm5356(-20080), Tax3(+960703)	hs73
Chr8	89388022	89388141	Chr8.73043	Gm5356(-200522), Tax3(+960261)	hs73
Chr7	136083262	136083365	Chr7.118121	Mgmt(-811297), Mki67(-366935)	hs737
Chr7	136083399	136083604	Chr7.118124	Mgmt(-811009), Mki67(-367223)	hs737
Chr7	136083850	136084233	Chr7.118125	Mgmt(-810569), Mki67(-367663)	hs737
Chr8	89371385	89371490	Chr8.73008	Gm5356(-183878), Tax3(+976905)	hs74
Chr5	38060318	38060859	Chr5.29088	Stx18(+21847), Nag1(+98878)	hs746
Chr5	38060935	38061338	Chr5.29090	Stx18(+22355), Nag1(+98330)	hs746
Chr8	7440015	7440885	Chr8.3612	None	hs759
Chr1	169385671	169385859	Chr1.140794	Pbx1(-85368), Nr2f1(+45699)	hs762
Chr1	169385973	169386203	Chr1.140795	Pbx1(-954191), Nr2f1(+45376)	hs762
Chr14	70634615	70634783	Chr14.63317	Dmtr1(-7634), Fgf17(+7569)	hs781
Chr14	70634938	70635046	Chr14.63320	Dmtr1(-7927), Fgf17(+7276)	hs781
Chr14	70640452	70640675	Chr14.63341	Dmtr1(-13499), Fgf17(+1704)	hs782
Chr3	144203156	144203375	Chr3.122115	Lmo4(+1763)	hs809
Chr3	144203892	144204003	Chr3.122116	Lmo4(+1272)	hs809
Chr3	144204094	144204349	Chr3.122117	Lmo4(+998)	hs809
Chr2	34359526	34359790	Chr2.35701	Mvb12b(-471712), Pbx3(+12592)	hs818
Chr2	34360098	34360512	Chr2.35703	Mvb12b(-472359), Pbx3(+11945)	hs818
Chr8	89323999	89324101	Chr8.72938	Gm5356(-136490)	hs848
Chr4	81960705	81961021	Chr4.63346	Mps4(-518056), Hbb(+544445)	hs852
Chr7	37744001	37744110	Chr7.24490	Zfp536(-25906)	hs858
Chr1	42888495	42889190	Chr1.27466	Gpr45(-64029), Mps9(+37610)	hs868
Chr9	41735496	41735963	Chr9.33941	Ubash3b(-577668), Sorf1(+388567)	hs872
Chr9	41736030	41736449	Chr9.33947	Ubash3b(-578178), Sorf1(+388057)	hs872
Chr9	41736600	41736795	Chr9.33949	Ubash3b(-578636), Sorf1(+387599)	hs872
Chr2	31640947	31640770	Chr2.30748	Prdm12(+672)	hs876
Chr6	144312605	144313610	Chr6.124579	Sox5(-103628), Bcat1(+735704)	hs895
Chr6	144313642	144313743	Chr6.124584	Sox5(-104213), Bcat1(+735119)	hs895
Chr1	80314890	80315247	Chr1.62785	Hhip(-257063), Gypa(-178976)	hs906
Chr2	148958874	148959171	Chr2.164049	Xmr2(-53973), Kiz1(+103159)	hs914
Chr2	148959307	148959454	Chr2.164051	Xmr2(-53815), Kiz1(+103157)	hs914
Chr5	89848370	89848607	Chr1.79269	D130058e05w(-81745), Agap1(+393678)	hs921
Chr1	131581094	131581894	Chr5.113925	Galnt17(-273576), Aut52(+35111)	hs925
Chr1	193141208	193141600	Chr1.166589	Irf6(-11708), Ulp25(-11153)	hs932
Chr19	59466924	59467509	Chr19.67458	Emx2(-8845), Rab11fp2(+476147)	hs935
Chr13	80000121	80000085	Chr13.59810	Armd3(-883007)	hs952
Chr2	73216363	73216473	Chr2.79949	Scn3(-36183), Sp9(+4493)	hs953
Chr11	24095320	24095658	Chr11.16126	Bcl11a(+17318)	hs957
Chr11	24096051	24096359	Chr11.16131	Bcl11a(+18032)	hs957
Chr1	42539120	42539266	Chr1.26915	Pou3f3(-157953)	hs969
Chr1	42539562	42540512	Chr1.26922	Pou3f3(-157109)	hs969
Chr13	79345906	79346405	Chr13.59483	None	hs971
Chr1	42741356	427412011	Chr1.27319	Mps9(-109549), Pou3f3(+44538)	hs990
Chr6	87447765	87448213	Chr10.77042	Ascl1(+45671), Gm10764(+157256)	hs998, hs1354
Chr6	15257440	15258217	Chr6.10799	Mdcl(-462832), Foxp2(+356480)	hs999
Chr13	97892672	97892824	Chr13.75603	Gm10260(-132160), Arhgef28(+313417)	mm1001
Chr10	120647091	120647361	Chr10.108164	Hmga2(-170757), 4921513030k(-118548)	mm1003
Chr10	120648098	120648213	Chr10.108166	Hmga2(-171687), 4921513030k(-117618)	mm1003
Chr10	120648248	120648376	Chr10.108168	Hmga2(-171843), 4921513030k(-117462)	mm1003
Chr10	120648844	120649229	Chr10.108169	Hmga2(-172568), 4921513030k(-116737)	mm1003
Chr3	51739314	51739497	Chr3.35110	Gm10729(+45635), Mam3(+365485)	mm1010
Chr3	51739637	51739744	Chr3.35114	Gm10729(+45920), Mam3(+365200)	mm1010
Chr1	75662174	75662541	Chr1.64989	Slc4a3(+116092)	mm1045
Chr1	75662992	75662927	Chr1.64703	Slc4a3(+116493)	mm1045
Chr1	75885731	75885961	Chr1.64987	Slc4a3(+339580)	mm1046
Chr18	55623958	55624406	Chr18.55504	Grmd3(-807950), Zfp608(-634002)	mm1061
Chr18	55625017	55625155	Chr18.55510	Grmd3(-807046), Zfp608(-634906)	mm1061
Chr4	154471831	154472005	Chr4.146559	Arhgef16(-171864), Prdm16(+164948)	mm1087
Chr4	154472905	154473265	Chr4.146560	Arhgef16(-172931), Prdm16(+163891)	mm1087
Chr4	154473411	154473775	Chr4.146575	Arhgef16(-173539), Prdm16(+163273)	mm1087
Chr4	154771581	154771982	Chr4.146999	Actr2(-103915), Tlc34(-84418)	mm1088
Chr4	154802233	154802577	Chr4.147028	Actr2(-134538), Tlc34(-53795)	mm1090
Chr16	26025476	26025576	Chr16.23154	P3h2(+80258), Trp63(+341761)	mm1095
Chr16	26041318	26041515	Chr16.23171	P3h2(+84367), Trp63(+357563)	mm1097
Chr19	47301359	47301528	Chr19.52246	Neur1a(+122623), Sh3p2a(-162968)	mm1098
Chr19	47301856	47302050	Chr19.52254	Neur1a(+123133), Sh3p2a(-162458)	mm1098
Chr11	103840788	103841196	Chr11.125822	Wnt3(+66642), Nsf1(+113064)	mm1102
Chr11	103841268	103841857	Chr11.125825	Wnt3(+67413), Nsf1(+112493)	mm1102
Chr11	10559166	10559307	Chr11.7725	Egrn(-192974), Sec16g(-50753)	mm1103
Chr17	83913879	83914092	Chr17.77160	Haaq(-67246), Zfp362(-27391)	mm1105
Chr17	84182621	84182768	Chr17.77425	Haaq(-335905), Zfp362(+5252)	mm1108
Chr1	187907929	187908033	Chr1.159748	Esrrg(-89846), Gatch2(+692470)	mm1111
Chr14	105483119	105483684	Chr14.92895	4930449e01rk(-15386), Ndip2(+224829)	mm1111
Chr14	105572018	105572709	Chr14.93038	Gm10076(-109464), 4930449e01rk(+73576)	mm1112
Chr14	105979593	105980275	Chr14.93452	Spy2(-83115), Gm4775(+121223)	mm1114
Chr5	38086185	38086185	Chr5.29145	Stx18(+47307), Nag1(+73418)	mm1165
Chr5	119651243	119651434	Chr5.100440	Tbx3(-19679)	mm1178
Chr5	119651845	119651944	Chr5.100445	Tbx3(-19123)	mm1178
Chr12	99339771	99339959	Chr12.84213	Foxn3(+53207), Tlc8(+419253)	mm12
Chr12	99340006	99340286	Chr12.84215	Foxn3(+52926), Tlc8(+419534)	mm12
Chr6	72215678	72215792	Chr6.60274	Atah8(+19838), Sl3gal5(+18126)	mm123
Chr6	72216720	72217006	Chr6.60280	Atah8(+18714), Sl3gal5(+119250)	mm123
Chr6	72217036	72217145	Chr6.60282	Atah8(+18486), Sl3gal5(+119478)	mm123
Chr6	72218502	72218658	Chr6.60284	Atah8(+16997), Sl3gal5(+120967)	mm123
Chr4	107025368	107025743	Chr4.90934	Mip37(+141312), Sabp3(+114086)	mm1261
Chr4	57333728	57333906	Chr4.44240	Scrg1(-122106), Hamd2(+12834)	mm1283
Chr8	57343456	57343537	Chr8.44243	Scrg1(-121476), Hamd2(+13464)	mm1283
Chr8	12666565	126665810	Chr8.121742	If2bp2(-72302), Tomm20(+280183)	mm1295
Chr8	126665998	126666211	Chr8.121745	If2bp2(-72669), Tomm20(+279816)	mm1295
Chr8	126666425	126666814	Chr8.121751	If2bp2(-73184), Tomm20(+279301)	mm1295
Chr8	126667455	126667589	Chr8.121756	If2bp2(-74086), Tomm20(+278399)	mm1295
Chr9	23011185	23011462	Chr9.14725	Bmpe(-211752), Bm9(+535593)	mm1296
Chr9	23011492	23011776	Chr9.14730	Bmpe(-211442), Bm9(+535593)	mm1296
Chr11	96872865	96873132	Chr11.110100	Cop2(+23123), Cdk5rap3(+43497)	mm1299
Chr15	13392418	13392541	Chr15.9774	Cdh6(-218841)	mm13
Chr9	102643949	102644114	Chr9.100168	Amdt2(-73636), Anapc13(+17736)	mm1302
Chr5	132229592	132230096	Chr5.114041	Aut52(-613239), ENSMUSG000000098133(+311979)	mm131
Chr12	12709086	12709392	Chr12.9608	Rpl36-pa3(-202747), Fam89a(+44710)	mm1310
Chr12	12710343	12710533	Chr12.9613	Rpl36-pa3(-201547), Fam89a(+448300)	mm1310
Chr2	103625348	103625479	Chr2.112924	Abtb2(+59104), Nat10(+135856)	mm1312
Chr2	103625529	103625834	Chr2.112929	Abtb2(+59372), Nat10(+135588)	mm1312
Chr2	130491554	130491846	Chr2.147590	Mps26(-72042), Ptpa(+41156)	mm1313
Chr16	30345119	30356235	Chr16.20231	Mbp1(-14413), Rpl1(+77044)	mm1315
Chr10	93820070	93820321	Chr8.78149	Adamts9(-918755), Mag1(+463126)	mm1316
Chr6	93822315	93822436	Chr6.78152	Adamts9(-920935), Mag1(+460946)	mm1316
Chr1	97540210	97540468	Chr1.84979	Sloc6c1(-412086), D1ert622e(+121337)	mm1317
Chr1	97540736	97540981	Chr1.84984	Sloc6c1(-412608), D1ert622e(+120817)	mm1317
Chr1	97541661	97541802	Chr1.84989	Sloc6c1(-413479), D1ert622e(+119944)	mm1317
Chr13	46571159	46571451	Chr13.33978	Fam8a1(-98217), Cap2(+69457)	mm132
Chr13	46571511	46571630	Chr13.33982	Fam8a1(-97951), Cap2(+69723)	mm132
Chr13	46572103	46572285	Chr13.33985	Fam8a1(-97328), Cap2(+70346)	mm132
Chr6	39543403	39543523	Chr6.34961	Mkm1(-123001), Dend2a(+14404)	mm1321
Chr2	101591611	101591782	Chr2.110254	Rag2(-33021)	mm1328
Chr2	101592526	101592686	Chr2.110267	Rag2(-32022)	mm1328
Chr1	39947824	39948143	Chr1.24225	Ifi1(-136779), Map4k4(+47076)	mm1333
Chr1	87151934	87152433	Chr8.70031	If4bp1(-266928), Cbin1(+320408)	mm1336
Chr12	5268290	5268432	Chr12.2350	Klhl29(+107321), Atad2b(+350957)	mm1338
Chr12	5269489	5269736	Chr12.2355	Klhl29(+106069), Atad2b(+352209)	mm1338
Chr5	77487860	77488081	Chr5.62191	Ighb7(-79926)	mm1340
Chr19	53412175	53412405	Chr19.58176	Dusp5(-116819), Smad5(-21717)	mm1351
Chr12	79969513	79969640	Chr12.63005	Zfp361(+143436), Rad51a(+672226)	mm1359

Chr12	79970267	79970547	Chr12.63010	Zfp361(+142606),Rad51b(+673056)	mm1359
Chr12	79971702	79971855	Chr12.63017	Zfp361(+141234),Rad51b(+673428)	mm1359
Chr9	95813874	95814001	Chr9.93893	Trpc1(-63580),Pie1(+31348)	mm1367
Chr9	95814318	95814483	Chr9.93897	Trpc1(-64043),Pie1(+30865)	mm1367
Chr9	13699477	13699685	Chr9.5451	Mtmc2(-48829),Mam2(+37121)	mm1371
Chr2	186894463	186894645	Chr2.18894	Nfatc2(-104294),Atp9a(+47246)	mm1375
Chr2	186894796	186894963	Chr2.188948	Nfatc2(-104620),Atp9a(+46920)	mm1375
Chr13	59092783	59092972	Chr13.45764	Nrk2(+284978),Atp9a(+46441)	mm14
Chr13	39877490	39877606	Chr13.28759	Slc35b3(-916673),Olec1(+104683)	mm1403
Chr13	39877827	39878143	Chr13.28764	Slc35b3(-917110),Olec1(+10028)	mm1403
Chr13	120603073	120603393	Chr9.123849	Ctnnb1(-330167),Rpl14(+31716)	mm1406
Chr1	12510153	12510285	Chr1.3947	Sulf1(-182211)	mm1416
Chr1	12510461	12510736	Chr1.3950	Sulf1(-181831)	mm1416
Chr12	86824237	86824477	Chr12.72120	Ir2bp1(+60457),Lmc74a(+89974)	mm1444
Chr12	86826468	86827212	Chr12.72122	Ir2bp1(+60396),Lmc74a(+92035)	mm1444
Chr1	134065235	134065429	Chr1.106381	Btg2(-13788),Fmod(+28078)	mm1445
Chr14	25108022	25108146	Chr14.18812	Zmiz1(-351140),Rps24(+617403)	mm1446
Chr14	25108278	25108401	Chr14.18814	Zmiz1(-350884),Rps24(+617659)	mm1446
Chr14	25108549	25108698	Chr14.18819	Zmiz1(-350600),Rps24(+617943)	mm1446
Chr14	25108765	25108902	Chr14.18824	Zmiz1(-350390),Rps24(+618153)	mm1446
Chr14	25108973	25109155	Chr14.18828	Zmiz1(-350160),Rps24(+618383)	mm1446
Chr2	21009943	21010062	Chr2.16410	Ahgap21(-42282),Enkur(+195362)	mm1447
Chr2	21010488	21010690	Chr2.16415	Ahgap21(-42868),Enkur(+194776)	mm1447
Chr15	98971415	98971522	Chr15.79869	Gm8973(-34587),Tuba1a(-17918)	mm1449
Chr3	51788514	51788683	Chr3.35179	Gm10729(+94828),Mam3(+316292)	mm1452
Chr3	51789143	51789360	Chr3.35189	Gm10729(+95481),Mam3(+315639)	mm1452
Chr2	25126180	25126555	Chr2.19083	Nwap(-54400),Nora1(-31209)	mm1454
Chr18	38380175	38380460	Chr18.39633	Grpd1(-41315),Ndfip1(-38657)	mm1457
Chr8	93917654	93917861	Chr8.79484	Amfr(+94905),Gnao1(+106918)	mm1458
Chr8	93917972	93918136	Chr8.79485	Amfr(+94608),Gnao1(+107215)	mm1458
Chr8	93919111	93919222	Chr8.79488	Amfr(+94496),Gnao1(+108327)	mm1458
Chr1	133188089	133188322	Chr1.107301	Plekhah5(-57891),Ppp1r15b(+57063)	mm1460
Chr5	21733122	21733238	Chr5.13199	Pmpcb(-3961)	mm1463
Chr12	80061878	80062097	Chr12.63169	Zfp361(+51025),Rad51b(+764637)	mm1469
Chr12	80062441	80062574	Chr12.63176	Zfp361(+50505),Rad51b(+765157)	mm1469
Chr12	80062731	80063012	Chr12.63179	Zfp361(+50141),Rad51b(+765521)	mm1469
Chr6	90784157	90784282	Chr6.74474	Ispic1(-25913),Slc41a3(+174983)	mm1470
Chr6	35584757	35584863	Chr16.31532	Sema5b(+43239),Slc49a4(+184546)	mm1471
Chr16	35587507	35587676	Chr16.31537	Sema5b(+46021),Slc49a4(+181764)	mm1471
Chr16	35588144	35588270	Chr16.31544	Sema5b(+46636),Slc49a4(+181149)	mm1471
Chr16	35588783	35588909	Chr16.31545	Sema5b(+47275),Slc49a4(+180510)	mm1471
Chr16	35589732	35589840	Chr16.31553	Sema5b(+48215),Slc49a4(+179570)	mm1471
Chr6	72711043	72711176	Chr6.61031	Tcf7l1(-177642),Gm15401(+81272)	mm1474
Chr6	72711501	72711610	Chr6.61041	Tcf7l1(+77396),Gm15401(+81719)	mm1474
Chr6	72711754	72712005	Chr6.61042	Tcf7l1(+77072),Gm15401(+82043)	mm1474
Chr9	106356414	106356567	Chr9.104540	Dusp7(-12141),Poc1a(+75430)	mm1475
Chr16	112809762	11281021	Chr16.97264	Rad18(-113317),Sgagp3(+137278)	mm1480
Chr8	90861634	90861754	Chr8.74964	Chf9(-32859),Gm655b(+46721)	mm1483
Chr8	90861867	90862294	Chr8.74966	Chf9(-33246),Gm655b(+46334)	mm1483
Chr7	123097983	123098338	Chr7.101916	Trnc6a(-25724),Rbp6(+127597)	mm1484
Chr17	10335167	10335379	Chr17.5781	Qk(-15044),Pacrg(+505038)	mm1488
Chr17	10335473	10335606	Chr17.5787	Qk(-15311),Pacrg(+504771)	mm1488
Chr17	10335824	10335926	Chr17.5788	Qk(-15648),Pacrg(+504436)	mm1488
Chr8	125218563	125218804	Chr8.120253	Disc1(+16449),Sipa12(+74026)	mm149
Chr4	15470863	15471080	Chr4.146935	Ttc34(-146183),Aclrt2(-42150)	mm1492
Chr9	41950319	41950478	Chr9.34242	Ubash3b(-792337),Sor1f(+173898)	mm1493
Chr9	41950641	41950813	Chr9.34244	Ubash3b(-792665),Sor1f(+173570)	mm1493
Chr9	41951146	41951272	Chr9.34247	Ubash3b(-793147),Sor1f(+173088)	mm1493
Chr9	41951314	41951419	Chr9.34248	Ubash3b(-793305),Sor1f(+172930)	mm1493
Chr9	41951931	41952043	Chr9.34253	Ubash3b(-793929),Sor1f(+172319)	mm1493
Chr9	41953462	41953818	Chr9.34256	Ubash3b(-795578),Sor1f(+170657)	mm1493
Chr9	41953943	41954043	Chr9.34264	Ubash3b(-795931),Sor1f(+170304)	mm1493
Chr4	136755525	13675757	Chr4.125267	Ephb2(+80347),Lactb1(+133200)	mm1494
Chr4	136757267	136757371	Chr4.125273	Ephb2(+78669),Lactb1(+134698)	mm1494
Chr11	94160496	94160698	Chr11.104184	Tob1(-50867),Sgagp1(+64494)	mm1496
Chr7	145206174	145206292	Chr7.127711	Ccnq1(-265364),Tpcn2(+77694)	mm1497
Chr18	19987192	19987342	Chr18.10954	Gng2(-10018),Sayd1(+95905)	mm1498
Chr18	33552669	33552881	Chr18.26596	Gm10549(+88612),Epb414a(+454431)	mm15
Chr14	66494443	66494753	Chr14.58033	Adra1a(-140743),Stmn4(+150294)	mm1500
Chr14	76255070	76255342	Chr14.67864	Tsc22d1(-160381),Rps2-ps9(-17853)	mm1502
Chr14	40956468	40956568	Chr14.35829	Sh2d4b(-65265),Tapan14(+10288)	mm1503
Chr14	40958259	40958364	Chr14.35831	Sh2d4b(-65046),Tapan14(+8495)	mm1503
Chr16	44530988	44531251	Chr16.43040	Boc(+27750),Clap44(+136321)	mm1504
Chr3	101395507	101395634	Chr3.79731	Igfb3(-18446),Atp1a1(+209032)	mm1505
Chr9	63058459	63058603	Chr9.62752	Pias1(-17652),Skor1(+88449)	mm1509
Chr5	11429935	11429986	Chr5.93104	Foxn4(-25804),Myo1h(-15330)	mm1522
Chr5	114299952	114300085	Chr5.93111	Foxn4(-26212),Myo1h(-14922)	mm1522
Chr4	106865598	106865739	Chr4.90659	Acat11(-65823),Ssbp3(-45801)	mm1527
Chr4	106865883	106866069	Chr4.90662	Acat11(-66130),Ssbp3(-45494)	mm1527
Chr4	106867017	106867127	Chr4.90667	Acat11(-67226),Ssbp3(-44398)	mm1527
Chr11	62967234	62967423	Chr11.69130	Tek3(-94325),Cdh4(+16136)	mm1530
Chr4	148859828	148859954	Chr4.138191	Cas21(+55462),Pex14(+239985)	mm1532
Chr7	93061302	93061406	Chr7.65534	Gm9934(+19673),Prp3(+186101)	mm1534
Chr7	93062055	93062501	Chr7.65538	Gm9934(+18749),Prp3(+187025)	mm1534
Chr3	104541728	104541831	Chr3.83441	Slc16a1(-96888),Lrig2(-29924)	mm1537
Chr3	104542164	104542265	Chr3.83442	Slc16a1(-96453),Lrig2(-30359)	mm1537
Chr17	62853313	62853493	Chr17.57779	Etna5(-246696),Etna5(+279146)	mm1538
Chr17	62853525	62853716	Chr17.57781	Etna5(-246914),Etna5(+27696)	mm1538
Chr17	62853886	62854001	Chr17.57785	Etna5(-247237),Etna5(+27373)	mm1538
Chr8	108244473	108244645	Chr8.97535	Pamd7(-656077),Zfx3(-470085)	mm1540
Chr8	108244693	108244974	Chr8.97539	Pamd7(-656352),Zfx3(-469810)	mm1540
Chr8	108245475	108245891	Chr8.97545	Pamd7(-657201),Zfx3(-469861)	mm1540
Chr8	108246132	108246282	Chr8.97550	Pamd7(-657723),Zfx3(-468437)	mm1540
Chr14	63586207	63586458	Chr14.54665	Mtmr9(-42411),Xhr6(-20139)	mm1542
Chr3	127705698	127706155	Chr3.105152	Neurog2(+72791),Alpk1(+74586)	mm1549
Chr3	127707024	127707404	Chr3.105160	Alpk1(+73299),Neurog2(+74078)	mm1549
Chr19	41716282	41716693	Chr19.42781	Sil1(+27177),A608181(+123125)	mm1552
Chr11	26773083	26773469	Chr11.20524	Vrk2(-179386)	mm1555
Chr13	76810455	76811198	Chr13.56027	Mcp1(+231153),Srlf(+324646)	mm1556
Chr7	117686544	117686705	Chr7.95708	Xytl1(-305646),Rps15a(+428631)	mm1558
Chr7	117686858	117686969	Chr7.95714	Xytl1(-305935),Rps15a(+428342)	mm1558
Chr2	163190103	163190205	Chr2.182091	Gtaf11(-102371),Jph2(+207795)	mm1561
Chr2	60786269	60786527	Chr2.64279	Igfb6(-112697),Rbm3(+95039)	mm1564
Chr4	148985251	148985437	Chr4.138620	Pex14(+114532),Cas21(+180915)	mm1566
Chr4	148985998	148986308	Chr4.138623	Pex14(+113723),Cas21(+181724)	mm1566
Chr15	95639725	95639892	Chr15.75471	Neil2(-111103),Dbx2(+16151)	mm1571
Chr3	5349395	5350341	Chr3.1482	Zfx4(+131314),Pex2(+226282)	mm1577
Chr3	5350616	5350991	Chr3.1486	Zfx4(+132250),Pex2(+225346)	mm1577
Chr3	5351097	5351927	Chr3.1491	Zfx4(+132659),Pex2(+224638)	mm1577
Chr18	55785787	55786418	Chr18.55686	Zfp608(-796923),Gramd3(-646029)	mm1581
Chr18	55786514	55786644	Chr18.55691	Zfp608(-796399),Gramd3(-645553)	mm1581
Chr15	74156291	74156415	Chr15.50959	Adgrb1(-359843),Mroah5(-316682)	mm1584
Chr8	26833468	26833659	Chr8.18176	Zfp703(-143772),Thap1(+675352)	mm1598
Chr3	37935043	37935204	Chr3.25815	Gm5148(-210795),Ankrd50(+549720)	mm1599
Chr3	37935454	37935680	Chr3.25820	Gm5148(-212183),Ankrd50(+548322)	mm1599
Chr1	61203278	61203479	Chr1.43750	Pard3b(-434445),Icos1(+225452)	mm1601
Chr1	61203893	61203999	Chr1.43760	Pard3b(-434878),Icos1(+226019)	mm1601
Chr12	105974182	105974293	Chr12.90801	Vrk1(-36025),Papola(+189544)	mm1604
Chr9	41736883	41737149	Chr9.33951	Ubash3b(-578954),Sor1f(+387281)	mm1608
Chr12	27068653	27061276	Chr12.16192	Sox11(+281644),Cmpk2(+591861)	mm1609
Chr12	27061309	27061457	Chr12.16199	Sox11(+281328),Cmpk2(+592178)	mm1609
Chr12	27061488	27061712	Chr12.16202	Sox11(+281109),Cmpk2(+592396)	mm1609
Chr19	21784451	21784638	Chr19.23890	Trpm3(-354574),Cemp2(+6203)	mm1610
Chr12	79925406	79925565	Chr12.62912	Zfp361(+187527),Rad51b(+628135)	mm1611
Chr12	79925598	79925714	Chr12.62914	Zfp361(+187357),Rad51b(+628305)	mm1611
Chr2	30647447	30647612	Chr2.29035	Cas21(+54290),17000016229a(+154177)	mm1612
Chr18	35847974	35848155	Chr18.29417	Psd2(-116765),Cxxc5(+18247)	mm1614
Chr18	35848755	35849031	Chr18.29419	Psd2(-115937),Cxxc5(+19075)	mm1614
Chr18	35849642	35849955	Chr18.29423	Psd2(-115031),Cxxc5(+19981)	mm1614
Chr18	35849989	35850117	Chr18.29426	Psd2(-114777),Cxxc5(+20235)	mm1614
Chr17	46618404	46618688	Chr17.42653	Srlf(-62332),Pik1(+11010)	mm1620
Chr17	46618623	46619007	Chr17.42656	Srlf(-62698),Pik1(+10644)	mm1620
Chr17	46620171	46620283	Chr17.42663	Srlf(-64068),Pik1(+9274)	mm1620
Chr11	118240593	118240700	Chr11.146662	Cytl1(-27905),Usp36(+49584)	mm1622
Chr18	60670523	60670660	Chr18.59947	Synpo1(-46256),Ndst1(+42797)	mm1623
Chr5	136861790	136861889	Chr5.120457	Co26a1(+21279),Myo1b(+168986)	mm1626
Chr16	17809783	17809996	Chr16.14323	Sarr2(-12613),Car15(+28469)	mm1629
Chr16	44671892	44672062	Chr16.43209	Boc(-113107),Nwpr(-52224)	mm1637

Chr16	44672175	44672396	Chr16.43212	Boc(-113416),Negro(-52015)	mm1637
Chr19	36896722	36897132	Chr19.37265	Fgfbp3(+22688),Tnks2(+62695)	mm1641
Chr6	120347784	120347917	Chr6.114301	Fam92b(-170385),Gse1(-140596)	mm1642
Chr7	13069531	130696969	Chr7.111503	Tacc2(+92116),Eras1(+103052)	mm1647
Chr4	119019447	119019622	Chr4.103133	Slc2a1(-89176),Lao1(+57957)	mm165
Chr8	91967167	91967337	Chr8.76964	Irx5(-390544),Irx3(-165598)	mm1651
Chr8	91967548	91967895	Chr8.76972	Irx5(-390074),Irx3(-166068)	mm1651
Chr13	84058909	84059132	Chr13.64567	Tmem161b(-163275),Mef2c(+554987)	mm1660
Chr13	84059379	84059494	Chr13.64572	Tmem161b(-163259),Mef2c(+555403)	mm1660
Chr9	121314240	121314411	Chr9.124400	Trak1(-63633),Lrk(-37129)	mm1661
Chr10	60813652	60813807	Chr10.49412	Slc29a3(-60948),Unc5b(+17851)	mm1663
Chr10	60814466	60814616	Chr10.49416	Slc29a3(-61759),Unc5b(+17040)	mm1663
Chr10	60816244	60816366	Chr10.49425	Slc29a3(-63523),Unc5b(+15276)	mm1663
Chr18	35839356	35839573	Chr18.29389	Psd2(-12356),Cxxc5(+9647)	mm1664
Chr18	35840535	35840747	Chr18.29400	Psd2(-124189),Cxxc5(+10823)	mm1664
Chr18	35841358	35841633	Chr18.29404	Psd2(-123334),Cxxc5(+11678)	mm1664
Chr18	35841718	35841901	Chr18.29408	Psd2(-123020),Cxxc5(+11992)	mm1664
Chr11	96902866	96903048	Chr11.110154	Cdk5rap3(+13539),Cope2(+53081)	mm1675
Chr1	172016141	172016359	Chr1.143467	Vangl2(+12194),Slamf6(+98713)	mm1677
Chr1	172016595	172016734	Chr1.143473	Vangl2(+11779),Slamf6(+99128)	mm1677
Chr1	172016895	172017026	Chr1.143476	Vangl2(+11483),Slamf6(+99424)	mm1677
Chr1	172017089	172017335	Chr1.143478	Vangl2(+11232),Slamf6(+99675)	mm1677
Chr14	25587545	25587703	Chr14.19380	Pp1f(-106546),Zmiz1(+128400)	mm1678
Chr8	11171124	11171246	Chr8.103787	Ctbr1(-26175),Bcar1(+26654)	mm1686
Chr17	47521784	47521911	Chr17.44070	Cend3(-16787),Bysl(+89644)	mm1691
Chr17	47522042	47522184	Chr17.44073	Cend3(-17052),Bysl(+89379)	mm1691
Chr10	67003270	67003417	Chr10.55199	Reep3(-93644)	mm1692
Chr10	67003587	67003711	Chr10.55202	Reep3(+93339)	mm1692
Chr10	67003841	67004396	Chr10.55206	Reep3(+92869)	mm1692
Chr10	67004667	67004912	Chr10.55210	Reep3(+92198)	mm1692
Chr9	23053692	23064015	Chr9.14848	Bmp4(-139222),Bbs9(+608123)	mm1696
Chr9	117192148	117192312	Chr9.119302	Rbms3(+437683)	mm1697
Chr9	117192687	117192845	Chr9.119305	Rbms3(+437147)	mm1697
Chr9	117193583	117193882	Chr9.119309	Rbms3(+436180)	mm1697
Chr6	71990030	71990195	Chr6.60170	Sl3gal5(-107500),Poir1a(+81060)	mm1722
Chr5	64877785	64878054	Chr5.50291	Ttr1(+54841),Klf3(+74397)	mm1725
Chr1	133737831	133737993	Chr1.133694	A13005067b(-549765),Ikb2(-417978)	mm1732
Chr1	32179771	32179885	Chr17.27152	Notch3(-12948),Ephx3(+9635)	mm1733
Chr6	94647460	94647641	Chr6.79050	Lrig1(+52586),Slc25a26(+147237)	mm1736
Chr2	45225532	45225931	Chr2.48187	Zeb2(-112453)	mm1737
Chr2	45226039	45226206	Chr2.48188	Zeb2(-112844)	mm1737
Chr14	21359154	21359853	Chr14.13128	Kat6b(-141398),Adk(+306920)	mm1738
Chr14	21360650	21360232	Chr14.13130	Kat6b(-140751),Adk(+307567)	mm1738
Chr11	113184132	113184304	Chr11.137819	Slc39a11(-1381541),Sox9(+401994)	mm1766
Chr8	84733084	84731036	Chr8.67018	G430095p16nk(+7953),Nfix(+42436)	mm21
Chr8	84731191	84731323	Chr8.67020	G430095p16nk(+8250),Nfix(+42139)	mm21
Chr18	75502826	75503306	Chr18.75035	Smad7(-135537),Ccl4(+194630)	mm257
Chr18	28717561	28717825	Chr18.17213	Sox4(+236020),Prf5a1(+575029)	mm265
Chr13	28718357	28718484	Chr13.17219	Sox4(+235292),Prf5a1(+575937)	mm265
Chr13	28718609	28718764	Chr13.17223	Sox4(+235026),Prf5a1(+576203)	mm265
Chr13	28718841	28718971	Chr13.17226	Sox4(+234807),Prf5a1(+576422)	mm265
Chr19	21274229	21274445	Chr19.23565	Zfand5(+2059),Gda(+198335)	mm269
Chr2	4340497	4340618	Chr2.1081	Frm4da(+187866),Prpf18(+311528)	mm28
Chr9	81603175	81603283	Chr9.61376	Tbx3(+229844),Rplp1(+313309)	mm29
Chr12	88984494	88984651	Chr12.73955	Nrxn3(+190069)	mm296
Chr12	88984782	88984885	Chr12.73959	Nrxn3(+190330)	mm296
Chr2	12066220	12066363	Chr2.8306	Ilgab(-235628),Ankrd16(+287801)	mm30
Chr2	12067489	12067693	Chr2.8309	Ilgab(+234329),Ankrd16(+289100)	mm30
Chr3	14598404	145984919	Chr3.124655	Syde2(-23158),Z10004b18n(+26698)	mm31
Chr16	18554820	18554921	Chr16.15457	Tbx1(+32098),Platr26(+55970)	mm32
Chr16	18555635	18555747	Chr16.15462	Tbx1(+31278),Platr26(+56790)	mm321
Chr5	78284702	78284857	Chr5.63028	Igfbp7(-876735)	mm34
Chr18	61609799	61609926	Chr18.61682	Il17b(-78072),Cank1a(+54589)	mm36
Chr16	15195321	15195574	Chr16.11700	Efcab1(-288811),Ube2v2(+399076)	mm383
Chr16	15195631	15195844	Chr16.11704	Efcab1(-289101),Ube2v2(+398786)	mm383
Chr16	15195954	15196061	Chr16.11710	Efcab1(-289371),Ube2v2(+398516)	mm383
Chr14	46610747	46610979	Chr14.37737	Bmp4(-220194),Cdkn3(-149678)	mm387
Chr5	93131566	93131678	Chr5.73360	Sept11(+38165),Ccnj(+74873)	mm39
Chr8	103077971	103078139	Chr8.88566	Gm8730(-212202)	mm40
Chr8	10307896	103079043	Chr8.88570	Gm8730(-213117)	mm40
Chr6	4554158	4554738	Chr6.1371	Casd1(-45393),Col1a2(+48954)	mm400
Chr6	4554849	4554979	Chr6.1375	Casd1(-45926),Col1a2(+49421)	mm400
Chr6	50821554	50821858	Chr6.45374	Npvf(-167267),G930045g22nk(+56373)	mm402
Chr6	50822128	50822264	Chr6.45379	Npvf(-167757),G930045g22nk(+55883)	mm402
Chr6	50822414	50822724	Chr6.45382	Npvf(-168130),G930045g22nk(+55510)	mm402
Chr6	50823246	50823443	Chr6.45389	Npvf(-168986),G930045g22nk(+105788)	mm402
Chr6	50825018	50825249	Chr6.45542	Nfe2l3(-507536),G930045g22nk(-47055)	mm403
Chr6	50825302	50825402	Chr6.45544	Nfe2l3(-507318),G930045g22nk(-47273)	mm403
Chr6	50857436	50857879	Chr6.45576	Nfe2l3(-475012),G930045g22nk(-79579)	mm404
Chr6	50857991	50858132	Chr6.45580	Nfe2l3(-474608),G930045g22nk(-79983)	mm404
Chr6	50858169	508582034	Chr6.45588	Nfe2l3(-450718),G930045g22nk(-103873)	mm405
Chr6	50863628	50863985	Chr6.45662	Nfe2l3(-448663),G930045g22nk(-106006)	mm406
Chr6	50884035	50884308	Chr6.45667	Nfe2l3(-446498),G930045g22nk(-106093)	mm406
Chr6	50884441	50885176	Chr6.45670	Nfe2l3(-447861),G930045g22nk(-106730)	mm406
Chr6	51857199	51857745	Chr6.47165	Skap2(+155077),Snx10(+333571)	mm412
Chr14	22113515	22113871	Chr14.14374	Lrmda(+93981)	mm414
Chr14	22113918	22114280	Chr14.14375	Lrmda(+94392)	mm414
Chr14	22114784	22114883	Chr14.14379	Lrmda(+95112)	mm414
Chr14	22114953	22115374	Chr14.14382	Lrmda(+95452)	mm414
Chr14	22115854	22116074	Chr14.14391	Lrmda(+96252)	mm414
Chr14	23520309	23520440	Chr14.17284	Kcnma1(+282929)	mm417
Chr14	23520471	23520599	Chr14.17286	Kcnma1(+282771)	mm417
Chr14	23520634	23520753	Chr14.17281	Kcnma1(+282610)	mm417
Chr14	23520785	23521024	Chr14.17290	Kcnma1(+282399)	mm417
Chr2	4362073	4362188	Chr2.1124	Frm4da(+209259),Prpf18(+289955)	mm420
Chr2	4362229	4362239	Chr2.1127	Frm4da(+209412),Prpf18(+289802)	mm420
Chr2	4567897	4568006	Chr2.1357	Prpf18(+64134),Frm4da(+435080)	mm423
Chr5	37818636	37818777	Chr5.28832	Emx1(+38761),Cyl1(+83188)	mm425
Chr5	37825743	37826019	Chr5.28865	Msx1(-1298)	mm426
Chr5	37826843	37827013	Chr5.28871	Msx1(-2345)	mm426
Chr5	37828042	37828184	Chr5.28875	Msx1(-3530)	mm426
Chr5	37828796	37829004	Chr5.28878	Msx1(-4317)	mm426
Chr5	37901940	37902239	Chr5.28944	Stx18(-136832),Mx1(-77507)	mm427
Chr5	37917935	37918261	Chr5.28958	Stx18(-120544),Mx1(-93515)	mm428
Chr5	37967735	37967891	Chr5.28991	Mx1(-143230),Stx18(-70929)	mm429
Chr5	37967921	37968030	Chr5.28993	Mx1(-143393),Stx18(-70766)	mm429
Chr5	37968066	37968181	Chr5.28995	Mx1(-143541),Stx18(-70618)	mm429
Chr5	37968392	37968532	Chr5.28997	Mx1(-143879),Stx18(-70280)	mm429
Chr5	37969267	37969882	Chr5.29001	Mx1(-144142),Stx18(-70017)	mm429
Chr3	122048412	122048521	Chr3.100809	Gstm(-197099),Abcc4(+4024)	mm435
Chr11	88274500	88274633	Chr11.97986	Ccdc182(-19476),Mpsa23(+70179)	mm439
Chr11	88274686	88274868	Chr11.97988	Ccdc182(-19266),Mpsa23(+70389)	mm439
Chr11	88275136	88275242	Chr11.97995	Ccdc182(-18854),Mpsa23(+70801)	mm439
Chr19	58372215	58372549	Chr19.85670	Gfra1(+82966),Alm1(+761398)	mm445
Chr19	59267699	59267899	Chr19.87103	Rps12-ps3(-54566),Stc18a2(+6756)	mm447
Chr19	59423665	59424004	Chr19.87358	Pdzr8(-78055),Emx2(-34537)	mm448
Chr19	59425013	59425463	Chr19.87364	Pdzr8(-79458),Emx2(-33134)	mm448
Chr19	60015523	60016270	Chr19.68266	E330013p04nk(-128792),Rab11fp2(-72533)	mm449
Chr13	111953845	111954026	Chr13.89177	Ankrd58(-334515),Map3k1(-144943)	mm445
Chr13	111954563	111954524	Chr13.89183	Ankrd58(-334007),Map3k1(-145451)	mm445
Chr6	143437905	143437784	Chr6.123347	Etnk1(+38715),Sav5(+77155)	mm451
Chr6	143437884	143438054	Chr6.123351	Etnk1(+270739),Sav5(+77151)	mm451
Chr15	62903058	62903202	Chr15.44169	Gsdmc(+905629),Myc(+917739)	mm457
Chr15	62903294	62903537	Chr15.44175	Gsdmc(+905343),Myc(+918025)	mm457
Chr16	15084811	15084934	Chr16.11629	Efcab1(-178236),Ube2v2(+509651)	mm466
Chr16	15084987	15085149	Chr16.11633	Efcab1(-178436),Ube2v2(+509451)	mm466
Chr16	15085678	15085810	Chr16.11636	Efcab1(+179107),Ube2v2(+508790)	mm466
Chr7	142569143	142569269	Chr7.125906	Mrip23(+36194),Igf2(+90283)	mm47
Chr3	88239026	88239241	Chr3.63647	Rhbg(+15575),Mef2d(+96762)	mm474
Chr1	59340610	59340877	Chr1.41464	Fzd7(-141403),Cdk15(+83837)	mm489
Chr1	59340977	59341448	Chr1.41468	Fzd7(-140934),Cdk15(+84306)	mm489
Chr11	98497264	98497425	Chr11.113725	Ikc2f3(+48455),Gtb7(+50511)	mm503
Chr11	98497486	98497738	Chr11.113728	Ikc2f3(+48188),Gtb7(+50778)	mm503
Chr11	98497946	98498300	Chr11.113727	Ikc2f3(+47677),Gtb7(+51289)	mm503
Chr4	32531084	32531862	Chr4.21642	Gja10(+71287),D13006221nk(+287740)	mm510
Chr4	32532003	32532190	Chr4.21644	Gja10(+70663),D13006221nk(+288364)	mm510
Chr2	75422823	75423212	Chr2.84009	Hmnpa3(-236183),Mtx2(+589765)	mm515
Chr2	75423907	75424447	Chr2.84016	Hmnpa3(-235094),Mtx2(+585374)	mm515

Chr3	40119682	40119813	Chr3.27717	Gm9845(-760620),Intu(-421019)	mm554
Chr4	82916137	82916320	Chr4.65053	Cer1(-31081),Frem1(+104873)	mm556
Chr11	94862000	94892111	Chr11.105745	Cer1(-31337),Frem1(+104871)	mm556
Chr11	26489931	26490334	Chr11.20331	Tmem39(-94556),Cdr1(-54148)	mm558
Chr11	26491142	26491489	Chr11.20336	Gm6899(-103108),Fancj(+103998)	mm557
Chr3	97942489	97942629	Chr3.75795	Gm6899(-101925),Fancj(+105181)	mm557
Chr9	37054114	37054409	Chr9.28673	Notch2(-70979),Sec22b(+41369)	mm576
Chr5	111550064	111550258	Chr5.89614	Pknox2(+29017),Fez1(+221578)	mm577
Chr6	98112422	98112640	Chr6.83172	C13002621rk(-72281),Mnt1(+91719)	mm594
Chr6	98112714	98112861	Chr6.83176	Gm765(+23023),Mthf(+305473)	mm60
Chr6	98113039	98113607	Chr6.83178	Gm765(+229966),Mthf(+305730)	mm60
Chr13	118850249	118850501	Chr13.96053	Gm765(+229431),Mthf(+306265)	mm60
Chr13	118850787	118850978	Chr13.96055	Fgf10(+135676),Nnt(+558622)	mm605
Chr7	129744475	129744804	Chr7.110265	Wdr1(+152677),Fgf2(+521651)	mm607
Chr7	129744737	129745001	Chr7.110269	Wdr1(+153006),Fgf2(+521322)	mm607
Chr8	25343379	25343688	Chr8.16227	Fgfr1(-175258),Tacc1(-142085)	mm610
Chr8	25543488	25543707	Chr8.16398	Fgfr1(+24806),Letm2(+53889)	mm612
Chr8	25544182	25544293	Chr8.16403	Fgfr1(+25446),Letm2(+53249)	mm612
Chr8	25544851	25545250	Chr8.16406	Fgfr1(+26259),Letm2(+52436)	mm612
Chr8	25545539	25545715	Chr8.16411	Fgfr1(+26835),Letm2(+51860)	mm612
Chr1	56286421	56286565	Chr1.37039	Hsfy2(+350958),Plic1(+880105)	mm613
Chr5	111577604	111577739	Chr5.89674	C13002621rk(-3750)	mm621
Chr11	111568732	111569191	Chr11.135163	Kcnj2(-502798),Gm11678(+862674)	mm628
Chr11	112412447	112412727	Chr11.136610	Gm11678(+19049)	mm634
Chr11	113014344	113014765	Chr11.137583	Swr9(+232341),Slc39a1(+1551194)	mm636
Chr15	61158061	61158281	Chr15.42569	Myc(-427220),A1bg(-236901)	mm641
Chr15	60853665	60853865	Chr15.42536	Lratd2(-28685),A1bg(+67505)	mm642
Chr15	60853897	60854095	Chr15.42540	Lratd2(-28916),A1bg(+67274)	mm642
Chr1	192798466	192798716	Chr1.166193	Hha(-27378),A730013g03rk(+36128)	mm646
Chr1	192799534	192799841	Chr1.166198	Hha(-28475),A730013g03rk(+35031)	mm646
Chr1	192799088	192800129	Chr1.166203	Hha(-28806),A730013g03rk(+34700)	mm646
Chr1	192800350	192800598	Chr1.166204	Hha(-29261),A730013g03rk(+34245)	mm646
Chr13	15664764	15665157	Chr13.7541	Inhba(-346890),Gli3(+200981)	mm652
Chr17	44722463	44722882	Chr17.39142	Supt3(-54479),Clic5(+534101)	mm657
Chr17	44723324	44723612	Chr17.39145	Supt3(-53684),Clic5(+534996)	mm657
Chr7	51772715	51772775	Chr7.37431	Fandf(-89723),Slc17a6(+150714)	mm683
Chr10	87868836	87869093	Chr10.77577	Pmch(-222107),Igf1(+8935)	mm694
Chr14	61005357	61005560	Chr14.52364	Tnfrsf19(+41396),Mlpep(+220893)	mm7
Chr13	63627312	63628027	Chr13.48637	Ercc62(-187664),Ptc1(-42150)	mm702
Chr2	33875346	33875497	Chr2.35032	Lmx1b(-234911),Mvob12b(+12524)	mm716
Chr2	33876191	33876326	Chr2.35038	Lmx1b(-235749),Mvob12b(+11687)	mm716
Chr2	33876892	33877104	Chr2.35043	Lmx1b(-236492),Mvob12b(+10953)	mm716
Chr2	33877560	33877869	Chr2.35046	Lmx1b(-237204),Mvob12b(+10231)	mm716
Chr2	33878440	33878793	Chr2.35050	Lmx1b(-238106),Mvob12b(+9329)	mm716
Chr2	59600123	59600326	Chr2.62527	Tanc1(-11819),Dapl1(+115572)	mm717
Chr2	59600413	59600539	Chr2.62529	Tanc1(-11568),Dapl1(+115823)	mm717
Chr4	32303148	32303432	Chr4.21239	D13006221rk(-59557),Gja1b(+299470)	mm720
Chr4	32303714	32304047	Chr4.21241	D13006221rk(-60148),Gja1b(+298879)	mm720
Chr4	32304462	32304664	Chr4.21245	D13006221rk(+60830),Gja1b(+298197)	mm720
Chr7	83814085	83814228	Chr7.59922	Clap161(-19277),Tmd1(+70184)	mm729
Chr9	41888975	41889183	Chr9.34132	Ubash3b(-731017),Sort1(+235218)	mm734
Chr13	60146798	60146981	Chr13.46682	Tuf1(-323743),Gas1(+30473)	mm745
Chr4	60147234	60147462	Chr4.46685	Tuf1(-324201),Gas1(+30017)	mm745
Chr17	47988895	47989174	Chr17.44872	Foxp4(-64600),170012201rk(+49258)	mm751
Chr17	47990404	47990509	Chr17.44879	Foxp4(-66022),170012201rk(+47836)	mm751
Chr17	29464264	29464402	Chr17.23577	Pim1(-26479),Fgd2(+103391)	mm755
Chr1	166049410	166049570	Chr1.53761	Pouz1f(-46812),Dusp27(+78408)	mm757
Chr6	77672156	77672302	Chr6.59513	Tmem184c(-51576),Edhr(+52207)	mm761
Chr4	65238507	65238887	Chr4.50759	Tmem3(-365389),Pappa(+114523)	mm771
Chr10	52742779	52742952	Chr10.43155	Pin(-594820),Slc35f1(+52333)	mm782
Chr1	127556399	127556602	Chr1.99232	Tmem163(+121595),Mgat5(+249739)	mm790
Chr4	54612368	54613123	Chr4.41212	Zfp462(-335230),Tmem38b(+786701)	mm814
Chr4	54613299	54613479	Chr4.41217	Zfp462(-334587),Tmem38b(+787344)	mm814
Chr5	12506612	12506723	Chr5.6605	Sema3b(+123502),Gm10108(+615098)	mm832
Chr15	83639290	83639409	Chr15.64743	Tfll12(-44193),Scube1(+85671)	mm84
Chr11	57929589	57929766	Chr11.53231	Hand1(-97531),Larp1(-79386)	mm849
Chr8	90740588	90741054	Chr8.74904	Tox3(-392478),Chd9(-88014)	mm871
Chr8	90741357	90741471	Chr8.74910	Tox3(-393071),Chd9(-87421)	mm871
Chr8	90741616	90741716	Chr8.74912	Tox3(-393323),Chd9(-87169)	mm871
Chr11	96894031	96894194	Chr11.110109	Cdk5rap3(-32383),Cops2(+4237)	mm876
Chr6	94755680	94755854	Chr6.79244	Kctdb8(-361973),Lrig1(-55630)	mm878
Chr6	94755929	94756221	Chr6.79248	Kctdb8(-361665),Lrig1(-55938)	mm878
Chr18	60905520	60905823	Chr18.60303	Tcof1(-56743),Arai(-6108)	mm879
Chr13	77548103	77548272	Chr13.57189	Fam172b(-160502),221040821rk(+41268)	mm881
Chr13	77548317	77548573	Chr13.57192	Fam172b(-160247),221040821rk(+412903)	mm881
Chr3	95259864	95259971	Chr3.77376	Spag17(-625499),Tbx15(+6158)	mm888
Chr3	96261847	96262015	Chr3.77379	Spag17(-623486),Tbx15(+6171)	mm888
Chr3	96263538	96263770	Chr3.77384	Spag17(-621763),Tbx15(+9894)	mm888
Chr9	88049257	88049639	Chr9.88375	Tbx18(-318188),Nfse(-278161)	mm898
Chr1	91963683	91963621	Chr1.81830	Hdb2(-32578),Hdb4(+184641)	mm901
Chr13	116735786	116735658	Chr13.95875	Fgf10(+21163),Nnt(+673135)	mm917
Chr8	25440964	25441226	Chr8.16297	Tacc1(-239646),Fgf1(-177697)	mm919
Chr5	111675613	111675940	Chr5.89721	C13002621rk(+94359),Cryba4(+576741)	mm921
Chr13	48780180	48780446	Chr13.36546	Phf2(+90572),Barx1(+117315)	mm922
Chr17	44617907	44618019	Chr17.38953	Supt3(-159189),Clic5(+429391)	mm924
Chr17	44618263	44618574	Chr17.38955	Supt3(-158733),Clic5(+428947)	mm924
Chr17	44618779	44618883	Chr17.38957	Supt3(-158321),Clic5(+430259)	mm924
Chr17	44619104	44619242	Chr17.38961	Supt3(-157979),Clic5(+430601)	mm924
Chr13	115687400	115687816	Chr13.93560	Hga1(-585644),Isl1(+622080)	mm933
Chr1	193449702	193449976	Chr1.167114	Camk1g(-79542)	mm935
Chr7	130426141	130426428	Chr7.111320	Fgfr2(-160094),Atr1(+93254)	mm938
Chr7	130426960	130427146	Chr7.111326	Fgfr2(-160727),Atr1(+92621)	mm938
Chr1	133181244	133181453	Chr1.106980	Plekha6(-64748),Ppp1r15b(+50206)	mm971
Chr1	133181661	133181786	Chr1.106986	Plekha6(-64373),Ppp1r15b(+50581)	mm971
Chr9	120619680	120620001	Chr9.123853	Ctnnb1(-313559),Rpl14(+48324)	mm976
Chr9	120620335	120620484	Chr9.123859	Ctnnb1(-313000),Rpl14(+48883)	mm976
Chr11	77906428	77906428	Chr11.83388	Sez6(-24425),Pipox(-12279)	mm981
Chr11	77906464	77906634	Chr11.83398	Sez6(-24251),Pipox(-12453)	mm981
Chr11	77906907	77907144	Chr11.83391	Sez6(-23774),Pipox(-12930)	mm981
Chr8	89271724	89271976	Chr8.72852	Gm5356(-84290)	mm984
Chr8	89272019	89272146	Chr8.72854	Gm5356(-84523)	mm984
Chr8	8487975	8488156	Chr8.4693	Efnb2(-172707)	mm985
Chr8	9488611	9488687	Chr8.4698	Efnb2(-172024)	mm985
Chr16	30873930	30874029	Chr16.26664	Xyyt1(+207452),Fam34a(+274257)	mm988
Chr3	35404480	35404834	Chr3.23893	Atp11b(-349477),Sox2(+754652)	mm996
Chr3	35405109	35405471	Chr3.23896	Atp11b(-348844),Sox2(+755285)	mm996
Chr3	35405785	35406018	Chr3.23907	Atp11b(-348232),Sox2(+755897)	mm996
Chr1	63963633	63963639	Chr1.49614	4933402024rk(-224469),Atr1(+127653)	mm997
Chr1	63963847	63963920	Chr1.48629	4933402024rk(-226703),Atr1(+125419)	mm997
Chr11	96855558	96886178	Chr11.110116	Cdk5rap3(+30478),Cops2(+36142)	mm999
Chr1	128405037	128405487	Chr1.100292	Mom6(-45606),Dars(+12154)	N/A
Chr1	128404466	128404586	Chr1.100329	Dars(-23110),Cxc4(+151764)	N/A
Chr1	128440634	128440949	Chr1.100331	Dars(-23376),Cxc4(+151498)	N/A
Chr1	128458995	128457452	Chr1.100370	Dars(-390758),Cxc4(+135116)	N/A
Chr1	128472564	128472669	Chr1.100405	Dars(-55201),Cxc4(+119673)	N/A
Chr1	128472887	128473046	Chr1.100410	Dars(-55551),Cxc4(+119323)	N/A
Chr1	128532820	128533043	Chr1.100462	Dars(-115516),Cxc4(+59358)	N/A
Chr1	128539674	128539810	Chr1.100468	Dars(-122326),Cxc4(+52548)	N/A
Chr1	128545710	128546073	Chr1.100481	Dars(-128478),Cxc4(+46369)	N/A
Chr1	128547076	128547287	Chr1.100485	Dars(-129756),Cxc4(+45118)	N/A
Chr1	128552146	128552317	Chr1.100492	Dars(-134816),Cxc4(+40058)	N/A
Chr1	128561376	128561532	Chr1.100496	Dars(-144038),Cxc4(+30836)	N/A
Chr1	128578520	128578678	Chr1.100522	Dars(-161183),Cxc4(+13691)	N/A
Chr1	19458666	19458880	Chr1.10053	Tfap2b(+249589)	N/A
Chr1	128583831	128583804	Chr1.100531	Dars(-166302),Cxc4(+8572)	N/A
Chr1	128585903	128586059	Chr1.100534	Dars(-168565),Cxc4(+6309)	N/A
Chr1	128587207	128587313	Chr1.100539	Dars(-169844),Cxc4(+5030)	N/A
Chr1	128595616	128595869	Chr1.100583	Cxc4(-3453)	N/A
Chr1	128608263	128608392	Chr1.100617	Tshd7b(-665016),Cxc4(-16038)	N/A
Chr1	128621894	128622258	Chr1.100641	Tshd7b(-651218),Cxc4(-29636)	N/A
Chr1	128622949	128623096	Chr1.100649	Tshd7b(-650321),Cxc4(-30732)	N/A
Chr1	128623371	128623620	Chr1.100649	Tshd7b(-646948),Cxc4(-31206)	N/A
Chr1	128639769	128639897	Chr1.100652	Tshd7b(-633511),Cxc4(-47543)	N/A
Chr1	128643163	128643307	Chr1.100655	Tshd7b(-630109),Cxc4(-50945)	N/A
Chr1	128643451	128643569	Chr1.100659	Tshd7b(-629834),Cxc4(-51220)	N/A
Chr1	128649762	128649997	Chr1.100669	Tshd7b(-629464),Cxc4(-51590)	N/A
Chr1	128653047	128653205	Chr1.100673	Tshd7b(-620219),Cxc4(-60636)	N/A

Chr1	128664822	128665004	Chr1.100689	<i>Thsd7b(-608431), Cxcr4(-72623)</i>	N/A
Chr1	128687282	128687441	Chr1.100726	<i>Thsd7b(-585982), Cxcr4(-95072)</i>	N/A
Chr1	128711442	128711592	Chr1.100766	<i>Thsd7b(-581827), Cxcr4(-119227)</i>	N/A
Chr1	128722050	128722155	Chr1.100789	<i>Thsd7b(-551241), Cxcr4(-129819)</i>	N/A
Chr1	128758767	128758888	Chr1.100831	<i>Thsd7b(-514516), Cxcr4(-166538)</i>	N/A
Chr1	128803457	128803669	Chr1.100889	<i>Thsd7b(-469781), Cxcr4(-211273)</i>	N/A
Chr1	128806205	128806453	Chr1.100894	<i>Thsd7b(-467015), Cxcr4(-214039)</i>	N/A
Chr1	128828911	128829024	Chr1.100926	<i>Thsd7b(-444376), Cxcr4(-236678)</i>	N/A
Chr1	19562042	19562261	Chr1.101128	<i>Tlap2b(-353238)</i>	N/A
Chr1	192098626	192098744	Chr1.101298	<i>Cxcr4(-616395), Thsd7b(-64659)</i>	N/A
Chr1	19566104	19566368	Chr1.10136	<i>Tlap2b(+357322)</i>	N/A
Chr1	19566577	19566678	Chr1.10137	<i>Tlap2b(+357114)</i>	N/A
Chr1	129273458	129273606	Chr1.101401	<i>Thsd7b(+188)</i>	N/A
Chr1	129324421	129324801	Chr1.101483	<i>Thsd7b(+51267)</i>	N/A
Chr1	19683140	19683318	Chr1.10156	<i>Tlap2b(+374315)</i>	N/A
Chr1	19672958	19673127	Chr1.10272	<i>Tlap2b(+464129), Pkhd1(+945021)</i>	N/A
Chr1	19681087	19681258	Chr1.10289	<i>Tlap2b(+472259), Pkhd1(+936891)</i>	N/A
Chr1	19681319	19681606	Chr1.10292	<i>Tlap2b(+472549), Pkhd1(+936601)</i>	N/A
Chr1	131010535	131010829	Chr1.103009	<i>Il19(-71441), Il10(-9163)</i>	N/A
Chr1	131078901	131079118	Chr1.103122	<i>Mapkapk2(+18516), Il10(+59182)</i>	N/A
Chr1	131081518	131081643	Chr1.103126	<i>Mapkapk2(+15962), Il10(+61736)</i>	N/A
Chr1	131089340	131089452	Chr1.103144	<i>Mapkapk2(+8147), Il10(+69551)</i>	N/A
Chr1	131089824	131089949	Chr1.103146	<i>Mapkapk2(+7656), Il10(+70042)</i>	N/A
Chr1	131090330	131090463	Chr1.103150	<i>Mapkapk2(+7148), Il10(+70552)</i>	N/A
Chr1	131095582	131095801	Chr1.103157	<i>Mapkapk2(+1851), Il10(+75847)</i>	N/A
Chr1	131090446	131096187	Chr1.103161	<i>Mapkapk2(+1426), Il10(+76272)</i>	N/A
Chr1	131096940	131097073	Chr1.103165	<i>Mapkapk2(+336)</i>	N/A
Chr1	131116945	131117052	Chr1.103181	<i>Mapkapk2(-19456), Dyrk3(+21235)</i>	N/A
Chr1	131137317	131137473	Chr1.103232	<i>Dyrk3(+839)</i>	N/A
Chr1	131199846	131199972	Chr1.103349	<i>Rassf3(+45349), Eif2d(+46728)</i>	N/A
Chr1	131233415	131233575	Chr1.103372	<i>Rassf3(+11763), Eif2d(+80314)</i>	N/A
Chr1	131278768	131278909	Chr1.103486	<i>Ikbke(+767)</i>	N/A
Chr1	131286785	131286886	Chr1.103496	<i>Ikbke(-7230), Srgap2(+240525)</i>	N/A
Chr1	4858771	4858876	Chr1.1035	<i>Tcea1(+786)</i>	N/A
Chr1	131293013	131293115	Chr1.103543	<i>Ikbke(-13458), Srgap2(+234297)</i>	N/A
Chr1	131336744	131336884	Chr1.103621	<i>Ikbke(-56208), Srgap2(+191547)</i>	N/A
Chr1	131336143	131336244	Chr1.103627	<i>Ikbke(-65688), Srgap2(+146296)</i>	N/A
Chr1	131345527	131345649	Chr1.103655	<i>Ikbke(-65982), Srgap2(+181773)</i>	N/A
Chr1	131346895	131347097	Chr1.103663	<i>Ikbke(-67390), Srgap2(+180365)</i>	N/A
Chr1	131347462	131347672	Chr1.103669	<i>Ikbke(-67961), Srgap2(+179794)</i>	N/A
Chr1	131347711	131347813	Chr1.103673	<i>Ikbke(-68156), Srgap2(+179599)</i>	N/A
Chr1	19767588	19767719	Chr1.10373	<i>Tlap2b(+558740), Pkhd1(+850410)</i>	N/A
Chr1	131379001	131379129	Chr1.103736	<i>Ikbke(-68458), Srgap2(+146296)</i>	N/A
Chr1	131380077	131380204	Chr1.103743	<i>Ikbke(-100535), Srgap2(+147220)</i>	N/A
Chr1	19768047	19768292	Chr1.10375	<i>Tlap2b(+559256), Pkhd1(+849894)</i>	N/A
Chr1	19768414	19768808	Chr1.10380	<i>Tlap2b(+559697), Pkhd1(+849453)</i>	N/A
Chr1	131416463	131416673	Chr1.103800	<i>Ikbke(-136912), Srgap2(+110843)</i>	N/A
Chr1	131417808	131418058	Chr1.103805	<i>Ikbke(-138317), Srgap2(+109438)</i>	N/A
Chr1	131418250	131418520	Chr1.103809	<i>Ikbke(-138779), Srgap2(+108976)</i>	N/A
Chr1	131427562	131427890	Chr1.103830	<i>Ikbke(-148120), Srgap2(+99635)</i>	N/A
Chr1	131428387	131428576	Chr1.103840	<i>Ikbke(-148876), Srgap2(+88879)</i>	N/A
Chr1	131430111	131430234	Chr1.103846	<i>Ikbke(-150567), Srgap2(+97188)</i>	N/A
Chr1	131431605	131431786	Chr1.103855	<i>Ikbke(-152090), Srgap2(+95665)</i>	N/A
Chr1	131431924	131432171	Chr1.103862	<i>Ikbke(-152442), Srgap2(+95313)</i>	N/A
Chr1	131438720	131438828	Chr1.103874	<i>Ikbke(-159168), Srgap2(+88587)</i>	N/A
Chr1	131443004	131443140	Chr1.103887	<i>Ikbke(-163466), Srgap2(+84289)</i>	N/A
Chr1	131453364	131453610	Chr1.103910	<i>Ikbke(-173881), Srgap2(+73874)</i>	N/A
Chr1	131494592	131494721	Chr1.104020	<i>Ikbke(-215051), Srgap2(+32704)</i>	N/A
Chr1	131501522	131501740	Chr1.104032	<i>Ikbke(-222023), Srgap2(+25730)</i>	N/A
Chr1	131504733	131504911	Chr1.104042	<i>Ikbke(-22516), Srgap2(+25339)</i>	N/A
Chr1	131505824	131505948	Chr1.104051	<i>Ikbke(-226280), Srgap2(+21475)</i>	N/A
Chr1	131511958	131512151	Chr1.104061	<i>Ikbke(-232449), Srgap2(+15306)</i>	N/A
Chr1	131512661	131512798	Chr1.104065	<i>Ikbke(-233124), Srgap2(+14631)</i>	N/A
Chr1	131520143	131520287	Chr1.104078	<i>Ikbke(-240069), Srgap2(+7148)</i>	N/A
Chr1	131523787	131524007	Chr1.104098	<i>Fam72a(-4016), Srgap2(+34748)</i>	N/A
Chr1	131524514	131524629	Chr1.104104	<i>Fam72a(-3331), Srgap2(+2789)</i>	N/A
Chr1	131525291	131525462	Chr1.104109	<i>Fam72a(-2526), Srgap2(+1984)</i>	N/A
Chr1	131525510	131525665	Chr1.104110	<i>Fam72a(-2315), Srgap2(+1773)</i>	N/A
Chr1	131527216	131527436	Chr1.104116	<i>Fam72a(-577), Srgap2(+35)</i>	N/A
Chr1	131527596	131527724	Chr1.104124	<i>Srgap2(-399), Fam72a(-243)</i>	N/A
Chr1	131527880	131527981	Chr1.104129	<i>Srgap2(-570), Fam72a(-24)</i>	N/A
Chr1	131528901	131529032	Chr1.104132	<i>Srgap2(-1606), Fam72a(+1064)</i>	N/A
Chr1	131542060	131542245	Chr1.104161	<i>Avpr1b(-57086), Fam72a(+14250)</i>	N/A
Chr1	131743583	131743711	Chr1.104376	<i>Slc26a9(-375)</i>	N/A
Chr1	131752174	131752312	Chr1.104399	<i>Pm20d1(-49138), Slc26a9(+8221)</i>	N/A
Chr1	131752344	131752491	Chr1.104401	<i>Pm20d1(-44963), Slc26a9(+8397)</i>	N/A
Chr1	131770922	131771021	Chr1.104406	<i>Pm20d1(-26409), Slc26a9(+26950)</i>	N/A
Chr1	131771340	131771499	Chr1.104492	<i>Pm20d1(-25961), Slc26a9(+27398)</i>	N/A
Chr1	131811398	131811521	Chr1.104555	<i>Slc41a1(-16517), Pm20d1(+14079)</i>	N/A
Chr1	131812285	131812420	Chr1.104565	<i>Slc41a1(-15624), Pm20d1(+14972)</i>	N/A
Chr1	131820292	131820408	Chr1.104598	<i>Slc41a1(+373)</i>	N/A
Chr1	131830006	131830129	Chr1.104600	<i>Rab29(-37173), Slc41a1(+2091)</i>	N/A
Chr1	131830428	131830556	Chr1.104612	<i>Rab29(-36748), Slc41a1(+2515)</i>	N/A
Chr1	131831375	131831531	Chr1.104627	<i>Rab29(-35787), Slc41a1(+3476)</i>	N/A
Chr1	131839467	131839586	Chr1.104645	<i>Rab29(-27713), Slc41a1(+11550)</i>	N/A
Chr1	19857131	19857366	Chr1.104647	<i>Tlap2b(+648335), Pkhd1(+760815)</i>	N/A
Chr1	131910241	131910653	Chr1.104715	<i>Nucks1(-11)</i>	N/A
Chr1	131964371	131964481	Chr1.104796	<i>Slc45a3(-6183), Nucks1(+53968)</i>	N/A
Chr1	131971165	131971410	Chr1.104809	<i>Slc45a3(+679)</i>	N/A
Chr1	132003742	132003845	Chr1.104902	<i>Elk4(-3813)</i>	N/A
Chr1	4890342	4890532	Chr1.1050	<i>Gm6104(-9768), Rgs20(+179848)</i>	N/A
Chr1	132123621	132123727	Chr1.105103	<i>Mfs94a(-55711), Cdk18(+16011)</i>	N/A
Chr1	132125611	132126043	Chr1.105109	<i>Mfs94a(-57864), Cdk18(+13858)</i>	N/A
Chr1	132139747	132139846	Chr1.105123	<i>Cdk18(-112)</i>	N/A
Chr1	132168435	132168578	Chr1.105137	<i>Cdk18(-28822), Lemd1(-22929)</i>	N/A
Chr1	132190177	132190318	Chr1.105150	<i>Lemd1(-1188)</i>	N/A
Chr1	132191115	132191294	Chr1.105152	<i>Lemd1(-231)</i>	N/A
Chr1	132196361	132196540	Chr1.105165	<i>Lemd1(-50255), Gm10188(+33306)</i>	N/A
Chr1	132197811	132197956	Chr1.105169	<i>Lemd1(-6448), Gm10188(+31883)</i>	N/A
Chr1	132200679	132201125	Chr1.105179	<i>Lemd1(+9466), Gm10188(+28865)</i>	N/A
Chr1	132208341	132208457	Chr1.105202	<i>Lemd1(+16963), Gm10188(+21368)</i>	N/A
Chr1	132212383	132212498	Chr1.105207	<i>Gm10188(+17326), Lemd1(+21005)</i>	N/A
Chr1	132281788	132281908	Chr1.105260	<i>Gm10188(-52081), Khndc8a(-16778)</i>	N/A
Chr1	132282061	132282242	Chr1.105265	<i>Gm10188(-52385), Khndc8a(-16474)</i>	N/A
Chr1	132291551	132291724	Chr1.105280	<i>Gm10188(-61871), Khndc8a(-6988)</i>	N/A
Chr1	132317406	132317622	Chr1.105343	<i>Nuak2(+1388), Tmcc2(+73767)</i>	N/A
Chr1	19899949	19900081	Chr1.10536	<i>Tlap2b(+691101), Pkhd1(+718049)</i>	N/A
Chr1	132322842	132323035	Chr1.105365	<i>Nuak2(+6813), Tmcc2(+68342)</i>	N/A
Chr1	132328073	132328187	Chr1.105440	<i>Nuak2(-2204), Tmcc2(+53151)</i>	N/A
Chr1	132346304	132346420	Chr1.105442	<i>Nuak2(-30206), Tmcc2(+44919)</i>	N/A
Chr1	132366926	132367164	Chr1.105506	<i>Tmcc2(+24236), Nuak2(+50919)</i>	N/A
Chr1	132372431	132372535	Chr1.105516	<i>Tmcc2(+18798), Nuak2(+56357)</i>	N/A
Chr1	132372975	132373079	Chr1.105520	<i>Tmcc2(+18254), Nuak2(+56901)</i>	N/A
Chr1	132375439	132375603	Chr1.105527	<i>Tmcc2(+15780), Nuak2(+56395)</i>	N/A
Chr1	132383988	132384164	Chr1.105549	<i>Tmcc2(-7320), Nuak2(+67955)</i>	N/A
Chr1	132384781	132384934	Chr1.105554	<i>Tmcc2(+6423), Nuak2(+68732)</i>	N/A
Chr1	132389889	132390114	Chr1.105558	<i>Tmcc2(+1279), Nuak2(+73876)</i>	N/A
Chr1	132390310	132390456	Chr1.105565	<i>Tmcc2(+898)</i>	N/A
Chr1	132390654	132390812	Chr1.105568	<i>Tmcc2(+548)</i>	N/A
Chr1	132430888	132431007	Chr1.105612	<i>Rbbp5(-46414), Detyk(+13500)</i>	N/A
Chr1	132436887	132437121	Chr1.105640	<i>Rbbp5(-40363), Detyk(+19551)</i>	N/A
Chr1	19951244	19951547	Chr1.10593	<i>Pkhd1(-666668), Tlap2b(+742482)</i>	N/A
Chr1	132542897	132543058	Chr1.105961	<i>Cnln2(-38)</i>	N/A
Chr1	132557951	132558178	Chr1.105972	<i>Cnln2(-15125), Nfasc(+183732)</i>	N/A
Chr1	132568345	132568509	Chr1.105976	<i>Cnln2(-15487), Nfasc(+183370)</i>	N/A
Chr1	132569336	132569524	Chr1.105982	<i>Cnln2(-16480), Nfasc(+182367)</i>	N/A
Chr1	132694123	132694285	Chr1.106280	<i>Cnln2(-151264), Nfasc(+47593)</i>	N/A
Chr1	132707337	132707450	Chr1.106293	<i>Cnln2(-164454), Nfasc(+34403)</i>	N/A
Chr1	132707479	132707606	Chr1.106297	<i>Cnln2(-164603), Nfasc(+34254)</i>	N/A
Chr1	132739298	132739416	Chr1.106344	<i>Cnln2(-196417), Nfasc(+2440)</i>	N/A
Chr1	132820231	132820402	Chr1.106388	<i>Nfasc(-78520), Lrm2(-59958)</i>	N/A
Chr1	132853417	132853573	Chr1.106417	<i>Nfasc(-111698), Lrm2(-26778)</i>	N/A
Chr1	132881525	132881703	Chr1.106459	<i>Lrm2(+1341), Mdm4(+143734)</i>	N/A
Chr1	132913197	132913388	Chr1.106489	<i>Lrm2(+33020), Mdm4(+112055)</i>	N/A
Chr1	132918341	132918440	Chr1.106496	<i>Lrm2(+38118), Mdm4(+106957)</i>	N/A
Chr1	132921108	132921268	Chr1.106500	<i>Lrm2(+40915), Mdm4(+104160)</i>	N/A
Chr1	132928379	132928596	Chr1.106505	<i>Lrm2(+48215), Mdm4(+96880)</i>	N/A
Chr1	133057552	133057670	Chr1.106688	<i>Ppp1r15b(-73532), Pk3c2b(+11599)</i>	N/A

Chr1	133068750	133068999	Chr1.106723	<i>Ppp1r15b(-62268), Pk3c2b(+22863)</i>	N/A
Chr1	133073416	133073520	Chr1.106746	<i>Ppp1r15b(-57675), Pk3c2b(+27456)</i>	N/A
Chr1	133087422	133087546	Chr1.106811	<i>Ppp1r15b(-43659), Pk3c2b(+41472)</i>	N/A
Chr1	133136157	133136272	Chr1.106929	<i>Plekha6(-109852), Ppp1r15b(+5072)</i>	N/A
Chr1	133159220	133159410	Chr1.106948	<i>Plekha6(-86782), Ppp1r15b(+28172)</i>	N/A
Chr1	133162156	133162256	Chr1.106955	<i>Plekha6(-83891), Ppp1r15b(+31063)</i>	N/A
Chr1	133171426	133171700	Chr1.106970	<i>Plekha6(-74534), Ppp1r15b(+40420)</i>	N/A
Chr1	133196287	133196507	Chr1.107008	<i>Plekha6(-49700), Ppp1r15b(+65254)</i>	N/A
Chr1	133209530	133209640	Chr1.107024	<i>Plekha6(-36512), Ppp1r15b(+38442)</i>	N/A
Chr1	133222754	133222983	Chr1.107043	<i>Plekha6(-23228), Ppp1r15b(+97726)</i>	N/A
Chr1	133231914	133232035	Chr1.107060	<i>Plekha6(-14122), Ppp1r15b(+100832)</i>	N/A
Chr1	133233056	133233193	Chr1.107062	<i>Plekha6(-12972), Ppp1r15b(+101982)</i>	N/A
Chr1	133233344	133233464	Chr1.107065	<i>Plekha6(-12693), Ppp1r15b(+102261)</i>	N/A
Chr1	133245248	133245352	Chr1.107079	<i>Plekha6(-797)</i>	N/A
Chr1	133245666	133245911	Chr1.107082	<i>Plekha6(-308)</i>	N/A
Chr1	133245999	133246106	Chr1.107090	<i>Plekha6(-44)</i>	N/A
Chr1	133247319	133247421	Chr1.107096	<i>Golt1a(-62453), Plekha6(+1273)</i>	N/A
Chr1	133254865	133255171	Chr1.107107	<i>Golt1a(-54805), Plekha6(+8921)</i>	N/A
Chr1	133267682	133267811	Chr1.107145	<i>Golt1a(-42076), Plekha6(+21650)</i>	N/A
Chr1	133268041	133268166	Chr1.107148	<i>Golt1a(-41719), Plekha6(+22007)</i>	N/A
Chr1	133269462	133269617	Chr1.107153	<i>Golt1a(-40283), Plekha6(+23443)</i>	N/A
Chr1	133367521	133367645	Chr1.107434	<i>Etnk2(+4011), Sox13(+25687)</i>	N/A
Chr1	133367858	133367963	Chr1.107437	<i>Etnk2(+4339), Sox13(+25359)</i>	N/A
Chr1	133368144	133368310	Chr1.107440	<i>Etnk2(-4655), Sox13(+25043)</i>	N/A
Chr1	133382301	133382433	Chr1.107472	<i>Sox13(+10903), Etnk2(+18795)</i>	N/A
Chr1	133397766	133397944	Chr1.107526	<i>Sox13(+4555)</i>	N/A
Chr1	133400530	133400668	Chr1.107532	<i>Sox13(-7329), Snrpe(+209692)</i>	N/A
Chr1	133415247	133415489	Chr1.107545	<i>Sox13(-22098), Snrpe(+194923)</i>	N/A
Chr1	133419407	133419572	Chr1.107549	<i>Sox13(-26220), Snrpe(+190801)</i>	N/A
Chr1	133422754	133422856	Chr1.107554	<i>Sox13(-29535), Snrpe(+187486)</i>	N/A
Chr1	133434477	133434588	Chr1.107561	<i>Sox13(-41263), Snrpe(+175758)</i>	N/A
Chr1	133448410	133448622	Chr1.107563	<i>Sox13(-55348), Snrpe(+161675)</i>	N/A
Chr1	133449023	133449210	Chr1.107569	<i>Sox13(-55847), Snrpe(+161174)</i>	N/A
Chr1	133470210	133470633	Chr1.107586	<i>Sox13(-77152), Snrpe(+139869)</i>	N/A
Chr1	133492395	133492798	Chr1.107595	<i>Sox13(-99327), Snrpe(+117694)</i>	N/A
Chr1	133493503	133493618	Chr1.107601	<i>Sox13(-100291), Snrpe(+116730)</i>	N/A
Chr1	133501111	133501262	Chr1.107604	<i>Sox13(-156917), Snrpe(+60104)</i>	N/A
Chr1	20131685	20132267	Chr1.10761	<i>Phkd1(+486088), Tlap2b(+923062)</i>	N/A
Chr1	133596529	133596933	Chr1.107610	<i>Sox13(-203461), Snrpe(+13560)</i>	N/A
Chr1	20132466	20132570	Chr1.10764	<i>Phkd1(+485546), Tlap2b(+923604)</i>	N/A
Chr1	133635966	133636426	Chr1.107697	<i>Snrpe(-43820), Zbed6(+7207)</i>	N/A
Chr1	20135104	20135320	Chr1.107713	<i>Phkd1(+482652), Tlap2b(+926298)</i>	N/A
Chr1	133659654	133659808	Chr1.107740	<i>Snrpe(-49440), Zbed6(+1587)</i>	N/A
Chr1	133660049	133660153	Chr1.107742	<i>Snrpe(-49810), Zbed6(+1217)</i>	N/A
Chr1	133660439	133660804	Chr1.107744	<i>Zbed6(+696), Zc3h11a(+758)</i>	N/A
Chr1	133661518	133661518	Chr1.107748	<i>Zbed6(-36), Zc3h11a(+26)</i>	N/A
Chr1	133711567	133711865	Chr1.107813	<i>Lax1(-21609), Atp2b4(-89325)</i>	N/A
Chr1	133736070	133736179	Chr1.107835	<i>Lax1(-46017), Atp2b4(-64919)</i>	N/A
Chr1	133744706	133744856	Chr1.107972	<i>Lax1(-54673), Atp2b4(-56260)</i>	N/A
Chr1	133761485	133761613	Chr1.108003	<i>Lax1(-71441), Atp2b4(-39492)</i>	N/A
Chr1	133763108	133763248	Chr1.108005	<i>Lax1(-73070), Atp2b4(-37863)</i>	N/A
Chr1	133764971	133765102	Chr1.108007	<i>Lax1(-74929), Atp2b4(-36004)</i>	N/A
Chr1	133767099	133767256	Chr1.108016	<i>Lax1(-77070), Atp2b4(-33863)</i>	N/A
Chr1	133800594	133800696	Chr1.108043	<i>Atp2b4(-396)</i>	N/A
Chr1	133801082	133801185	Chr1.108051	<i>Atp2b4(-93)</i>	N/A
Chr1	133821668	133821776	Chr1.108081	<i>Atp2b4(-20682), Optc(+85449)</i>	N/A
Chr1	133834364	133834511	Chr1.108085	<i>Atp2b4(-33397), Optc(+72734)</i>	N/A
Chr1	133842440	133842594	Chr1.108091	<i>Atp2b4(-41476), Optc(+64655)</i>	N/A
Chr1	133856101	133856240	Chr1.108101	<i>Atp2b4(-35130), Optc(+51001)</i>	N/A
Chr1	133921558	133921715	Chr1.108232	<i>Prelp(-23)</i>	N/A
Chr1	133934871	133935035	Chr1.108242	<i>Fmod(-102301), Prelp(-13539)</i>	N/A
Chr1	133978740	133978862	Chr1.108263	<i>Fmod(-58453), Prelp(-57387)</i>	N/A
Chr1	134006321	134006543	Chr1.108271	<i>Prelp(-85018), Fmod(-30822)</i>	N/A
Chr1	134037162	134037331	Chr1.108304	<i>Fmod(+3)</i>	N/A
Chr1	20190536	20190638	Chr1.10834	<i>Phkd1(+421477), Tlap2b(+981673)</i>	N/A
Chr1	134047978	134048160	Chr1.108366	<i>Fmod(-10815), Btg2(+31051)</i>	N/A
Chr1	134067251	134067544	Chr1.108385	<i>Btg2(+11722), Fmod(+30144)</i>	N/A
Chr1	134073244	134073347	Chr1.108397	<i>Btg2(+5824), Fmod(+36042)</i>	N/A
Chr1	134076411	134076564	Chr1.108411	<i>Btg2(+2632), Fmod(+39234)</i>	N/A
Chr1	134084984	134085607	Chr1.108439	<i>Chrl1(-24698), Btg2(-7426)</i>	N/A
Chr1	134101739	134101861	Chr1.108452	<i>Btg2(-22680), Chrl1(-9442)</i>	N/A
Chr1	134195309	134195409	Chr1.108654	<i>Mybph(+1911), Adora1(+40068)</i>	N/A
Chr1	134206947	134207079	Chr1.108733	<i>Mybph(+13565), Adora1(+28414)</i>	N/A
Chr1	134211445	134211616	Chr1.108737	<i>Mybph(+18083), Adora1(+23896)</i>	N/A
Chr1	134245457	134245611	Chr1.108772	<i>Myog(-44470), Adora1(-10107)</i>	N/A
Chr1	134273735	134273911	Chr1.108775	<i>Adora1(-38356), Myog(-16181)</i>	N/A
Chr1	134285520	134285957	Chr1.108790	<i>Myog(-1118)</i>	N/A
Chr1	134289677	134289782	Chr1.108792	<i>Myog(-274)</i>	N/A
Chr1	134289851	134289997	Chr1.108794	<i>Myog(-80)</i>	N/A
Chr1	134292268	134292489	Chr1.108814	<i>Myog(+2365), Ppf1a4(+40559)</i>	N/A
Chr1	134335688	134335768	Chr1.108854	<i>Ppf1a4(-2791)</i>	N/A
Chr1	134342399	134342500	Chr1.108860	<i>Ppf1a4(-8522), Tmem183a(+19549)</i>	N/A
Chr1	20224344	20224729	Chr1.10909	<i>Phkd1(-393527)</i>	N/A
Chr1	134516363	134516466	Chr1.109201	<i>Rab1f(+21755), Mgat4e(+33267)</i>	N/A
Chr1	134517818	134517946	Chr1.109208	<i>Rab1f(+23222), Mgat4e(+31800)</i>	N/A
Chr1	134520836	134521066	Chr1.109222	<i>Rab1f(+26291), Mgat4e(+28731)</i>	N/A
Chr1	134557073	134557188	Chr1.109288	<i>Kdm5b(-3040)</i>	N/A
Chr1	134562557	134562741	Chr1.109294	<i>Syt2(-146651), Kdm5b(+2478)</i>	N/A
Chr1	134630720	134631367	Chr1.109430	<i>Syt2(-78256), Kdm5b(+70873)</i>	N/A
Chr1	134653802	134653915	Chr1.109456	<i>Syt2(-55441), Kdm5b(+93688)</i>	N/A
Chr1	134667149	134667269	Chr1.109465	<i>Syt2(-42091), Kdm5b(+107038)</i>	N/A
Chr1	134682652	134682792	Chr1.109471	<i>Syt2(-26578), Kdm5b(+122551)</i>	N/A
Chr1	134695544	134695663	Chr1.109479	<i>Syt2(-9696), Kdm5b(+19433)</i>	N/A
Chr1	134751916	134752039	Chr1.109543	<i>Syt2(+42678), Ppp1r12b(+203873)</i>	N/A
Chr1	134754052	134754178	Chr1.109548	<i>Syt2(+44815), Ppp1r12b(+201736)</i>	N/A
Chr1	134774835	134774960	Chr1.109580	<i>Syt2(+65598), Ppp1r12b(+180953)</i>	N/A
Chr1	134775989	134775804	Chr1.109583	<i>Syt2(+66452), Ppp1r12b(+180099)</i>	N/A
Chr1	134787294	134787640	Chr1.109599	<i>Syt2(+78122), Ppp1r12b(+168429)</i>	N/A
Chr1	134801196	134801302	Chr1.109618	<i>Syt2(+91949), Ppp1r12b(+154602)</i>	N/A
Chr1	134803088	134803442	Chr1.109625	<i>Syt2(+93965), Ppp1r12b(+152586)</i>	N/A
Chr1	134821232	134821411	Chr1.109642	<i>Syt2(+112022), Ppp1r12b(+134529)</i>	N/A
Chr1	134823232	134823465	Chr1.109648	<i>Syt2(+114049), Ppp1r12b(+132502)</i>	N/A
Chr1	134824041	134824142	Chr1.109650	<i>Syt2(+114792), Ppp1r12b(+131759)</i>	N/A
Chr1	134846412	134846676	Chr1.109680	<i>Ppp1r12b(+108307), Syt2(+137244)</i>	N/A
Chr1	134905987	134906966	Chr1.109750	<i>Ppp1r12b(+46209), Syt2(+200342)</i>	N/A
Chr1	134913631	134913752	Chr1.109764	<i>Ppp1r12b(+42159), Syt2(+204392)</i>	N/A
Chr1	134955870	134956002	Chr1.109785	<i>Ppp1r12b(-85)</i>	N/A
Chr1	134976230	134976617	Chr1.109814	<i>Ube2l(+13859), Lgr6(+128852)</i>	N/A
Chr1	134982129	134982289	Chr1.109865	<i>Ube2l(+29649), Lgr6(+113062)</i>	N/A
Chr1	134982339	134982456	Chr1.109869	<i>Ube2l(-29633), Lgr6(+112878)</i>	N/A
Chr1	134995547	134995693	Chr1.109874	<i>Ube2l(+33055), Lgr6(+109656)</i>	N/A
Chr1	134998328	134998531	Chr1.109895	<i>Ube2l(+35865), Lgr6(+106846)</i>	N/A
Chr1	135019161	135019295	Chr1.109940	<i>Ube2l(+56663), Lgr6(+86048)</i>	N/A
Chr1	135019920	135020026	Chr1.109947	<i>Ube2l(+57410), Lgr6(+85301)</i>	N/A
Chr1	135021163	135021332	Chr1.109953	<i>Ube2l(-58683), Lgr6(+84028)</i>	N/A
Chr1	135039330	135039475	Chr1.109978	<i>Lgr6(+65873), Ube2l(-76838)</i>	N/A
Chr1	135051330	135051573	Chr1.109985	<i>Lgr6(+53824), Ube2l(-88887)</i>	N/A
Chr1	135056879	135057094	Chr1.109994	<i>Lgr6(+48289), Ube2l(+94422)</i>	N/A
Chr1	135089592	135089745	Chr1.110030	<i>Lgr6(+6607), Ube2l(+136104)</i>	N/A
Chr1	135104252	135104368	Chr1.110034	<i>Lgr6(+969)</i>	N/A
Chr1	135108913	135109060	Chr1.110044	<i>Lgr6(-3711)</i>	N/A
Chr1	135114539	135114638	Chr1.110092	<i>Ptpn7(-18136), Lgr6(-9313)</i>	N/A
Chr1	135118656	135118874	Chr1.110102	<i>Ptpn7(-13960), Lgr6(-13489)</i>	N/A
Chr1	20302498	20303022	Chr1.11012	<i>Phkd1(+315304)</i>	N/A
Chr1	135119835	135119950	Chr1.110120	<i>Lgr6(-14611), Ptpn7(-12832)</i>	N/A
Chr1	135125857	135125977	Chr1.110159	<i>Lgr6(-20641), Ptpn7(-6808)</i>	N/A
Chr1	135132580	135132785	Chr1.110175	<i>Ptpn7(-42)</i>	N/A
Chr1	135159220	135159412	Chr1.110255	<i>Gpr371l(+8365), Ar8a(+12492)</i>	N/A
Chr1	135196052	135196239	Chr1.110322	<i>Gm4204(-38999), Gpr371l(-28465)</i>	N/A
Chr1	135204820	135204953	Chr1.110331	<i>Gpr371l(-37206), Gm4204(-27158)</i>	N/A
Chr1	135248553	135248724	Chr1.110345	<i>EIF3(+9833), Gm4204(+16594)</i>	N/A
Chr1	135258940	135259276	Chr1.110385	<i>EIF3(-161)</i>	N/A
Chr1	135261045	135261167	Chr1.110388	<i>EIF3(-2634)</i>	N/A
Chr1	135323628	135323873	Chr1.110464	<i>Lmod1(-1056)</i>	N/A
Chr1	135324575	135324749	Chr1.110468	<i>Lmod1(-145)</i>	N/A
Chr1	135378692	135378812	Chr1.110555	<i>Shisa4(-3515)</i>	N/A
Chr1	135462654	135463024	Chr1.110745	<i>Gm4793(-121834), Ipo9(-32440)</i>	N/A
Chr1	135474898	135475115	Chr1.110841	<i>Gm4793(-109766), Ipo9(-44508)</i>	N/A

Chr1	135481720	135481881	Chr1.110847	Gm4793(-102972),Ipo9(-51302)	N/A
Chr1	135488924	135489101	Chr1.110863	Gm4793(-95760),Ipo9(-58514)	N/A
Chr1	135498300	135498502	Chr1.110877	Gm4793(-86372),Ipo9(-67902)	N/A
Chr1	135499044	135499382	Chr1.110882	Gm4793(-85570),Ipo9(-68704)	N/A
Chr1	135510429	135510561	Chr1.110902	Ipo9(-79998),Gm4793(-74278)	N/A
Chr1	135512580	135512709	Chr1.110904	Ipo9(-82146),Gm4793(-72128)	N/A
Chr1	135517565	135517746	Chr1.110916	Ipo9(-87157),Gm4793(-67117)	N/A
Chr1	135523837	135524019	Chr1.110925	Ipo9(-93429),Gm4793(-60845)	N/A
Chr1	135565217	135565341	Chr1.110987	Ipo9(-134780),Gm4793(-19494)	N/A
Chr1	135572559	135572673	Chr1.110994	Ipo9(-142117),Gm4793(-12157)	N/A
Chr1	135579249	135579358	Chr1.111007	Ipo9(-148805),Gm4793(-5466)	N/A
Chr1	135581797	135581910	Chr1.111010	Gm4793(-2919)	N/A
Chr1	135598841	135598974	Chr1.111056	Nav1(-13553),Nav1(+89197)	N/A
Chr1	135600412	135600545	Chr1.111059	Nav1(-15124),Nav1(+87626)	N/A
Chr1	135603163	135603400	Chr1.111066	Nav1(-17927),Nav1(+94823)	N/A
Chr1	135604796	135604895	Chr1.111072	Nav1(-19491),Nav1(+83259)	N/A
Chr1	135607689	135607796	Chr1.111084	Nav1(-22388),Nav1(+80362)	N/A
Chr1	135630014	135630156	Chr1.111105	Nav1(-44730),Nav1(+58020)	N/A
Chr1	135645712	135645897	Chr1.111125	Nav1(-60450),Nav1(+42300)	N/A
Chr1	135656580	135656641	Chr1.111140	Nav1(-80256),Nav1(+12254)	N/A
Chr1	135668918	135669084	Chr1.111176	Nav1(-101546),Nav1(+1209)	N/A
Chr1	135699605	135699748	Chr1.111190	Carp1(-20384),Nav1(-11572)	N/A
Chr1	135731960	135732079	Chr1.111200	Phlda3(-34099),Carp1(+11959)	N/A
Chr1	135734721	135734842	Chr1.111207	Phlda3(-31337),Carp1(+14721)	N/A
Chr1	135739576	135739701	Chr1.111212	Phlda3(-26480),Carp1(+19578)	N/A
Chr1	135759639	135759939	Chr1.111245	Phlda3(-6334),Carp1(+39724)	N/A
Chr1	135767693	135767767	Chr1.111257	Tnni1(-32118),Phlda3(+1596)	N/A
Chr1	135781264	135781398	Chr1.111287	Tnni1(-18502),Phlda3(+15212)	N/A
Chr1	135814121	135814231	Chr1.111332	Lad1(-4422)	N/A
Chr1	135836077	135836257	Chr1.111375	Tnni2(-4708)	N/A
Chr1	135891172	135891313	Chr1.111481	Pkp1(+23794),Tnni2(+50368)	N/A
Chr1	135902453	135902563	Chr1.111487	Pkp1(+16799),Tnni2(+61623)	N/A
Chr1	135906895	135907069	Chr1.111495	Pkp1(+12225),Tnni2(+66107)	N/A
Chr1	135919108	135919298	Chr1.111514	Pkp1(+4)	N/A
Chr1	135925957	135926117	Chr1.111525	Pkp1(-6830),Igf1(+80305)	N/A
Chr1	136007810	136007950	Chr1.111727	Igf1(-1538),Tmem9(-339)	N/A
Chr1	136030358	136030550	Chr1.111763	Ascl5(-30360),Tmem9(+2225)	N/A
Chr1	136033027	136033155	Chr1.111769	Ascl5(-17713),Tmem9(+24872)	N/A
Chr1	136131933	136132095	Chr1.111985	Klf21b(+625)	N/A
Chr1	136134603	136134702	Chr1.111993	Klf21b(+3264),Mroh3(+72444)	N/A
Chr1	136136622	136136793	Chr1.112000	Klf21b(+5319),Mroh3(+70389)	N/A
Chr1	20477732	20477980	Chr1.11223	Phd1(-140208)	N/A
Chr1	20478148	20478337	Chr1.11227	Phd1(-138621)	N/A
Chr1	20478413	20478517	Chr1.11231	Phd1(-135959)	N/A
Chr1	136230371	136230518	Chr1.112335	Mroh3(-23348),Inava(+3819)	N/A
Chr1	136233524	136233684	Chr1.112337	Inava(+660)	N/A
Chr1	136300547	136300689	Chr1.112517	Camsap2(-44514),Ddx59(-24653)	N/A
Chr1	136409732	136409890	Chr1.112522	Camsap2(-43732),Ddx59(-54345)	N/A
Chr1	136540649	136540824	Chr1.112767	Zfp281(-84164),Klf14(-72779)	N/A
Chr1	136553960	136554093	Chr1.112777	Zfp281(-70874),Klf14(+86069)	N/A
Chr1	136559433	136559566	Chr1.112783	Zfp281(-65401),Klf14(+91542)	N/A
Chr1	136562458	136562703	Chr1.112786	Zfp281(-62320),Klf14(+94623)	N/A
Chr1	136563238	136563623	Chr1.112792	Zfp281(-61520),Klf14(+95423)	N/A
Chr1	136570133	136570321	Chr1.112794	Zfp281(-54574),Klf14(+102269)	N/A
Chr1	136578020	136578204	Chr1.112816	Zfp281(-46789),Klf14(+110154)	N/A
Chr1	136588416	136588596	Chr1.112834	Zfp281(-36395),Klf14(+120548)	N/A
Chr1	136624233	136624389	Chr1.112857	Zfp281(-590)	N/A
Chr1	136624831	136624959	Chr1.112858	Zfp281(-6)	N/A
Chr1	136662213	136662510	Chr1.112958	Zfp281(+37461),Nr5a2(+28065)	N/A
Chr1	136696653	136696822	Chr1.112970	Zfp281(+17837),Nr5a2(+26369)	N/A
Chr1	136717792	136717942	Chr1.112977	Zfp281(+92966),Nr5a2(+242560)	N/A
Chr1	136782024	136782557	Chr1.113026	Zfp281(+157390),Nr5a2(+178136)	N/A
Chr1	136796465	136796653	Chr1.113063	Nr5a2(+163868),Zfp281(+171658)	N/A
Chr1	136832964	136833094	Chr1.113083	Nr5a2(+127398),Zfp281(+208128)	N/A
Chr1	136840542	136840654	Chr1.113096	Nr5a2(+119829),Zfp281(+215697)	N/A
Chr1	136861758	136861987	Chr1.113138	Nr5a2(+98554),Zfp281(+236972)	N/A
Chr1	136881089	136881302	Chr1.113156	Nr5a2(+79231),Zfp281(+256295)	N/A
Chr1	136881528	136881825	Chr1.113166	Nr5a2(+78750),Zfp281(+256776)	N/A
Chr1	136911921	136912219	Chr1.113228	Nr5a2(+48357),Zfp281(+287169)	N/A
Chr1	136918940	136919053	Chr1.113243	Nr5a2(+14330),Zfp281(+294096)	N/A
Chr1	136947828	136948008	Chr1.113310	Nr5a2(+125048),Zfp281(+323018)	N/A
Chr1	136952835	136952985	Chr1.113325	Nr5a2(+7517),Zfp281(+328009)	N/A
Chr1	137221356	137221710	Chr1.113587	A130050007nk(-706637),Nr5a2(-261106)	N/A
Chr1	137221756	137221993	Chr1.113591	A130050007nk(-706295),Nr5a2(-261448)	N/A
Chr1	137332034	137332257	Chr1.113659	A130050007nk(-596024),Nr5a2(-371719)	N/A
Chr1	137332295	137332713	Chr1.113663	A130050007nk(-595686),Nr5a2(-372077)	N/A
Chr1	137333146	137333270	Chr1.113666	A130050007nk(-594962),Nr5a2(-372781)	N/A
Chr1	137355936	137356056	Chr1.113672	A130050007nk(-572174),Nr5a2(-395569)	N/A
Chr1	137356278	137356478	Chr1.113675	A130050007nk(-571792),Nr5a2(-395951)	N/A
Chr1	137373916	137374080	Chr1.113690	A130050007nk(-554172),Nr5a2(-413571)	N/A
Chr1	137442506	137442696	Chr1.113719	A130050007nk(-485569),Nr5a2(-462174)	N/A
Chr1	137453025	137454040	Chr1.113729	Nr5a2(-493566),A130050007nk(-474167)	N/A
Chr1	137454076	137454241	Chr1.113731	Nr5a2(-493732),A130050007nk(-474011)	N/A
Chr1	137560515	137560631	Chr1.113821	Nr5a2(-600146),A130050007nk(-367597)	N/A
Chr1	137570296	137570477	Chr1.113835	Nr5a2(-609960),A130050007nk(-357783)	N/A
Chr1	137576452	137576616	Chr1.113861	Nr5a2(-616107),A130050007nk(-351636)	N/A
Chr1	137591353	137591591	Chr1.113868	Nr5a2(-631045),A130050007nk(-336598)	N/A
Chr1	137606410	137606655	Chr1.113874	Nr5a2(-646106),A130050007nk(-321637)	N/A
Chr1	137635977	137636232	Chr1.113885	Nr5a2(-675678),A130050007nk(-292065)	N/A
Chr1	137636347	137636717	Chr1.113890	Nr5a2(-676105),A130050007nk(-291638)	N/A
Chr1	137637115	137637248	Chr1.113895	Nr5a2(-676755),A130050007nk(-290988)	N/A
Chr1	137654264	137654539	Chr1.113912	Nr5a2(-693975),A130050007nk(-273768)	N/A
Chr1	137657398	137658390	Chr1.113922	Nr5a2(-723412),A130050007nk(-244331)	N/A
Chr1	137696120	137696227	Chr1.113937	Nr5a2(-735747),A130050007nk(-231996)	N/A
Chr1	137767536	137767866	Chr1.113958	Nr5a2(-807274),A130050007nk(-160469)	N/A
Chr1	137839037	137839336	Chr1.114002	Nr5a2(-878760),A130050007nk(-88983)	N/A
Chr1	137898310	137898735	Chr1.114048	Nr5a2(-938990),A130050007nk(-29647)	N/A
Chr1	137899099	137899294	Chr1.114058	Nr5a2(-938770),A130050007nk(-29399)	N/A
Chr1	137899410	137899555	Chr1.114060	Nr5a2(-939050),A130050007nk(-28687)	N/A
Chr1	137899808	137900102	Chr1.114064	Nr5a2(-939528),A130050007nk(-28215)	N/A
Chr1	137900332	137900486	Chr1.114071	Nr5a2(-939882),A130050007nk(-27761)	N/A
Chr1	137900680	137900802	Chr1.114074	Nr5a2(-940314),A130050007nk(-27429)	N/A
Chr1	137900906	137901123	Chr1.114077	Nr5a2(-940588),A130050007nk(-27155)	N/A
Chr1	137902154	137902391	Chr1.114084	Nr5a2(-941846),A130050007nk(-25897)	N/A
Chr1	137903153	137903261	Chr1.114088	Nr5a2(-942780),A130050007nk(-24963)	N/A
Chr1	137903354	137903675	Chr1.114092	Nr5a2(-943088),A130050007nk(-24655)	N/A
Chr1	137906936	137907143	Chr1.114099	Nr5a2(-946613),A130050007nk(-21130)	N/A
Chr1	137927027	137927240	Chr1.114113	A130050007nk(-1036)	N/A
Chr1	137927709	137927859	Chr1.114119	A130050007nk(-386)	N/A
Chr1	137927895	137928244	Chr1.114121	A130050007nk(-100)	N/A
Chr1	137928552	137928738	Chr1.114127	A130050007nk(+475)	N/A
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Chr1	137952691	137952805	Chr1.114158	A130050007nk(+24578),Ptpnc(+222557)	N/A
Chr1	137964003	137964140	Chr1.114174	A130050007nk(+35902),Ptpnc(+211233)	N/A
Chr1	137966430	137966541	Chr1.114186	A130050007nk(+38316),Ptpnc(+20819)	N/A
Chr1	137973083	137973256	Chr1.114188	A130050007nk(+45000),Ptpnc(+202135)	N/A
Chr1	138011127	138011226	Chr1.114197	A130050007nk(+83007),Ptpnc(+164128)	N/A
Chr1	138023663	138024013	Chr1.114213	A130050007nk(+95688),Ptpnc(+151467)	N/A
Chr1	138037438	138037594	Chr1.114223	A130050007nk(+109346),Ptpnc(+137789)	N/A
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Chr1	138040654	138040773	Chr1.114231	A130050007nk(+112544),Ptpnc(+134591)	N/A
Chr1	138136512	138136689	Chr1.114366	Ptpnc(+38704),A130050007nk(+208431)	N/A
Chr1	138191723	138191860	Chr1.114408	Atpv1g3(-81946),Ptpnc(-16487)	N/A
Chr1	138245407	138245517	Chr1.114430	Ptpnc(-70157),Atpv1g3(-28278)	N/A
Chr1	138245546	138245749	Chr1.114432	Ptpnc(-70343),Atpv1g3(-28900)	N/A
Chr1	138326734	138326839	Chr1.114493	Atpv1g3(+53049),Nek7(+292909)	N/A
Chr1	138346004	138346253	Chr1.114507	Atpv1g3(+72391),Nek7(+273567)	N/A
Chr1	138385308	138385592	Chr1.114549	Atpv1g3(+111712),Nek7(+234246)	N/A
Chr1	138496845	138497138	Chr1.114669	Nek7(+122704),Atpv1g3(+223254)	N/A
Chr1	138497168	138497326	Chr1.114670	Nek7(+122449),Atpv1g3(+223509)	N/A
Chr1	138504418	138504692	Chr1.114695	Nek7(+115141),Atpv1g3(+230817)	N/A
Chr1	138507899	138507878	Chr1.114700	Nek7(+119132),Atpv1g3(+230406)	N/A
Chr1	138518322	138518434	Chr1.114710	Nek7(+101318),Atpv1g3(+244640)	N/A
Chr1	138559608	138559737	Chr1.114740	Nek7(+60023),Atpv1g3(+285935)	N/A
Chr1	138622435	138622738	Chr1.114779	Nek7(-2891)	N/A
Chr1	138721040	138721143	Chr1.114849	Nek7(-101396),Lhx9(+121337)	N/A
Chr1	138784332	138784458	Chr1.114929	Nek7(-164699),Lhx9(-58034)	N/A
Chr1	20670880	20671004	Chr1.11494	Il17a(-59963),Phd1(-52878)	N/A

Chr1	138876371	138876557	Chr1.115051	Dennd1b(-87245),2310009615rk(-19610)	N/A
Chr1	139004992	139000938	Chr1.115125	Dennd1b(+37006),Crb1(+376326)	N/A
Chr1	139049008	139049291	Chr1.115164	Dennd1b(+854+1),Crb1(+327891)	N/A
Chr1	1391536148	139153805	Chr1.115276	Dennd1b(+19018),Crb1(+22331)	N/A
Chr1	139211143	139211297	Chr1.115372	Crb1(+165821),Dennd1b(+247511)	N/A
Chr1	139375974	139376152	Chr1.115673	Crb1(+978)	N/A
Chr1	139377013	139377157	Chr1.115685	Crb1(-44)	N/A
Chr1	20905718	20905941	Chr1.11690	Effc1(-45858),Paqr8(+15208)	N/A
Chr1	143503078	143503782	Chr1.117179	Cdc73(+102878)	N/A
Chr1	143503954	143503954	Chr1.117181	Cdc73(+102705)	N/A
Chr1	143517613	143517729	Chr1.117189	Cdc73(+88937)	N/A
Chr1	143640558	143640871	Chr1.117255	B3gal2(+51)	N/A
Chr1	143640908	143641111	Chr1.117259	B3gal2(+346)	N/A
Chr1	143641143	143641471	Chr1.117263	B3gal2(+643)	N/A
Chr1	143853870	143854020	Chr1.117446	Uchl5(+76867),Rgs2(+150216)	N/A
Chr1	144186921	144187132	Chr1.117603	Rgs13(-6752),Rgs1(+62215)	N/A
Chr1	144498142	144498383	Chr1.117747	Rgs1(-249021),Rgs18(+277172)	N/A
Chr1	145065261	145065530	Chr1.118042	Rgs18(-289961)	N/A
Chr1	146494881	146494987	Chr1.118327	Brinp3(-695)	N/A
Chr1	21042005	21042164	Chr1.11866	Tram2(+37144),Effc1(+96397)	N/A
Chr1	21052874	21052888	Chr1.11905	Tram2(+26448),Effc1(+101093)	N/A
Chr1	21052994	21053219	Chr1.11907	Tram2(+26122),Effc1(+101419)	N/A
Chr1	21073416	21073739	Chr1.11925	Tram2(+5651),Effc1(+121890)	N/A
Chr1	21074137	21074484	Chr1.11933	Tram2(+4918),Effc1(+122623)	N/A
Chr1	21088998	21089123	Chr1.11948	Tmem14a(-129514),Tram2(-9832)	N/A
Chr1	21096533	21096862	Chr1.11953	Tmem14a(-128917),Tram2(-10529)	N/A
Chr1	21124977	21125238	Chr1.11978	Tmem14a(-93467),Tram2(-45879)	N/A
Chr1	150164981	150165099	Chr1.119797	Pdc(-154377),Plgs2(+64916)	N/A
Chr1	150480692	150480911	Chr1.120104	Prg4(-15204),Hmcn1(+512249)	N/A
Chr1	150545588	150545688	Chr1.120137	Prg4(-80040),Hmcn1(+447413)	N/A
Chr1	150551238	150551552	Chr1.120142	Prg4(-85797),Hmcn1(+441659)	N/A
Chr1	150570822	150571008	Chr1.120164	Prg4(-105317),Hmcn1(+22136)	N/A
Chr1	150769291	150769537	Chr1.120706	Prg4(-303816),Hmcn1(+223637)	N/A
Chr1	150769914	150770066	Chr1.120708	Prg4(-304392),Hmcn1(+223061)	N/A
Chr1	150775909	150776134	Chr1.120728	Prg4(-310424),Hmcn1(+217029)	N/A
Chr1	21411541	21411766	Chr1.12078	Khdcb1b(-28098),Kcnq5(+550288)	N/A
Chr1	150877983	150878240	Chr1.120858	Prg4(-412514),Hmcn1(+14939)	N/A
Chr1	150878722	150878823	Chr1.120865	Prg4(-413175),Hmcn1(+114278)	N/A
Chr1	150887606	150887864	Chr1.120867	Prg4(-422137),Hmcn1(+105316)	N/A
Chr1	150907949	150908187	Chr1.120881	Prg4(-442470),Hmcn1(+84983)	N/A
Chr1	150933943	150934060	Chr1.120914	Prg4(-468404),Hmcn1(+59049)	N/A
Chr1	150943654	150943898	Chr1.120926	Prg4(-478178),Hmcn1(+49275)	N/A
Chr1	150945659	150945933	Chr1.120932	Prg4(-480198),Hmcn1(+725542)	N/A
Chr1	150946173	150946339	Chr1.120938	Prg4(-480658),Hmcn1(+46795)	N/A
Chr1	150950066	150950245	Chr1.120942	Prg4(-484558),Hmcn1(+42895)	N/A
Chr1	150950283	150950401	Chr1.120945	Prg4(-484744),Hmcn1(+42709)	N/A
Chr1	150991821	150991928	Chr1.120957	Prg4(-526277),Hmcn1(+1176)	N/A
Chr1	150991976	150992138	Chr1.120960	Hmcn1(-994)	N/A
Chr1	151001272	151001496	Chr1.120980	lvns1abp(-343114),Hmcn1(-8333)	N/A
Chr1	151011416	151011682	Chr1.120995	lvns1abp(-332949),Hmcn1(-18498)	N/A
Chr1	151046083	151046279	Chr1.121025	lvns1abp(-298317),Hmcn1(-53130)	N/A
Chr1	151062523	151062677	Chr1.121045	lvns1abp(-281898),Hmcn1(-69549)	N/A
Chr1	151128220	151128342	Chr1.121063	lvns1abp(-216217),Hmcn1(-135230)	N/A
Chr1	151236706	151236842	Chr1.121103	Hmcn1(-343723),lvns1abp(-107724)	N/A
Chr1	151236886	151236990	Chr1.121107	Hmcn1(-243887),lvns1abp(-107560)	N/A
Chr1	151289582	151289710	Chr1.121125	Hmcn1(-296595),lvns1abp(-54852)	N/A
Chr1	151343028	151343129	Chr1.121137	lvns1abp(-1419)	N/A
Chr1	151345199	151345365	Chr1.121139	lvns1abp(+784)	N/A
Chr1	151363518	151363732	Chr1.121177	lvns1abp(+19172),Swf1(+64830)	N/A
Chr1	151405242	151405345	Chr1.121325	Rrf2(+5528),Tsm1(+46546)	N/A
Chr1	151508298	151508432	Chr1.121339	Fam129a(-63008),Rnf2(-7542)	N/A
Chr1	151574188	151574295	Chr1.121373	Edem3(-181132),Fam129a(+2869)	N/A
Chr1	151684461	151684567	Chr1.121473	Edem3(-70860),Fam129a(+113141)	N/A
Chr1	151686042	151686161	Chr1.121479	Edem3(-69272),Fam129a(+114729)	N/A
Chr1	151686890	151687003	Chr1.121484	Edem3(-68427),Fam129a(+115574)	N/A
Chr1	151755264	151755444	Chr1.121554	Edem3(-201)	N/A
Chr1	151755479	151755592	Chr1.121557	Edem3(+162)	N/A
Chr1	151818813	151818917	Chr1.121629	Edem3(+63491),1700025g04rk(+271455)	N/A
Chr1	151820025	151820181	Chr1.121643	Edem3(+64729),1700025g04rk(+270217)	N/A
Chr1	151872800	151872906	Chr1.121670	Edem3(+117480),1700025g04rk(+217469)	N/A
Chr1	151891458	151891599	Chr1.121703	Edem3(+136155),1700025g04rk(+19879)	N/A
Chr1	151891972	151892186	Chr1.121705	Edem3(+136705),1700025g04rk(+198241)	N/A
Chr1	151892553	151892730	Chr1.121707	Edem3(+137268),1700025g04rk(+197678)	N/A
Chr1	151892765	151892902	Chr1.121708	Edem3(+137460),1700025g04rk(+197486)	N/A
Chr1	151944055	151944167	Chr1.121738	1700025g04rk(+146209),Edem3(+188737)	N/A
Chr1	152046097	152046816	Chr1.121857	1700025g04rk(+553),Edem3(-29383)	N/A
Chr1	152085999	152086179	Chr1.121862	1700025g04rk(+4231),Edem3(+330715)	N/A
Chr1	152088781	152088954	Chr1.121864	1700025g04rk(+1452),Edem3(+333494)	N/A
Chr1	21499937	21500094	Chr1.12190	Khdcb1b(+116460),Kcnq5(+461926)	N/A
Chr1	152165036	152165227	Chr1.121915	1700025g04rk(-74812),Tsm15(+221550)	N/A
Chr1	152165733	152165987	Chr1.121927	1700025g04rk(-75440),Tsm15(+220822)	N/A
Chr1	152215987	152217111	Chr1.121981	1700025g04rk(-171334),Tsm1(+125028)	N/A
Chr1	152304745	152305028	Chr1.122008	1700025g04rk(-214567),Tsm15(+81795)	N/A
Chr1	152414693	152414979	Chr1.122088	Colgal2(+15006),Rgl1(+210381)	N/A
Chr1	152459287	152459414	Chr1.122118	Colgal2(+59521),Rgl1(+165866)	N/A
Chr1	152497787	152497946	Chr1.122156	Colgal2(+98037),Rgl1(+127350)	N/A
Chr1	21521703	21521919	Chr1.12220	Khdcb1b(+138255),Kcnq5(+440131)	N/A
Chr1	152549617	152549886	Chr1.122205	Rgl1(+75465),Colgal2(+149922)	N/A
Chr1	152553923	152554023	Chr1.122308	Rgl1(+71244),Colgal2(+154143)	N/A
Chr1	152556187	152556307	Chr1.122318	Rgl1(+68970),Colgal2(+156417)	N/A
Chr1	152556344	152556494	Chr1.122322	Rgl1(+68798),Colgal2(+156589)	N/A
Chr1	152560575	152560750	Chr1.122341	Rgl1(+64554),Colgal2(+160833)	N/A
Chr1	152563563	152564078	Chr1.122346	Rgl1(+61201),Colgal2(+164186)	N/A
Chr1	152576821	152576941	Chr1.122380	Rgl1(+48336),Colgal2(+177051)	N/A
Chr1	152589353	152589539	Chr1.122396	Rgl1(+35771),Colgal2(+189616)	N/A
Chr1	152590350	152590575	Chr1.122399	Rgl1(+34754),Colgal2(+190633)	N/A
Chr1	152607931	152608382	Chr1.122417	Rgl1(+17060),Colgal2(+208327)	N/A
Chr1	152624017	152624150	Chr1.122449	Rgl1(+1133),Colgal2(+224254)	N/A
Chr1	152640728	152640907	Chr1.122470	Apobec4(-109733),Rgl1(-15601)	N/A
Chr1	152641433	152641537	Chr1.122473	Apobec4(-109066),Rgl1(-16268)	N/A
Chr1	152682306	152682554	Chr1.122517	Apobec4(-68121),Rgl1(-57213)	N/A
Chr1	152684128	152684257	Chr1.122525	Apobec4(-66358),Rgl1(-58976)	N/A
Chr1	152703123	152703294	Chr1.122538	Rgl1(-77992),Apobec4(-47342)	N/A
Chr1	152711064	152711288	Chr1.122546	Rgl1(-69595),Apobec4(-39378)	N/A
Chr1	152738557	152738656	Chr1.122562	Rgl1(-113390),Apobec4(-11944)	N/A
Chr1	152765902	152766004	Chr1.122607	Arpc5(-589)	N/A
Chr1	152817932	152818067	Chr1.122662	Ncf2(+10110),Smg7(+60168)	N/A
Chr1	152838559	152838727	Chr1.122727	Ncf2(+30753),Smg7(+39525)	N/A
Chr1	152903290	152903475	Chr1.122802	Nmna2(-51718),Smg7(-25215)	N/A
Chr1	152954013	152955023	Chr1.122821	Nmna2(-13)	N/A
Chr1	152992700	152992816	Chr1.122852	Nmna2(+37657),Lamc2(+193689)	N/A
Chr1	153073312	153073417	Chr1.122905	Lamc2(+113082),Nmna2(+118264)	N/A
Chr1	153101040	153101260	Chr1.122940	Lamc2(+85297),Nmna2(+146049)	N/A
Chr1	153172714	153172833	Chr1.123143	Lamc2(+13673),Nmna2(+217673)	N/A
Chr1	153191656	153191800	Chr1.123164	Lamc2(-5281),Lamc1(+141058)	N/A
Chr1	153191962	153192080	Chr1.123165	Lamc2(-5574),Lamc1(+140765)	N/A
Chr1	153201309	153201419	Chr1.123177	Lamc2(-14917),Lamc1(+131422)	N/A
Chr1	153241378	153241544	Chr1.123278	Lamc2(-55014),Lamc1(+91325)	N/A
Chr1	153265154	153265342	Chr1.123370	Lamc2(-78801),Lamc1(+67538)	N/A
Chr1	153295020	153295766	Chr1.123373	Lamc2(-79246),Lamc1(+67093)	N/A
Chr1	153273832	153273892	Chr1.123386	Lamc2(-8715),Lamc1(+59024)	N/A
Chr1	153274699	153274807	Chr1.123392	Lamc2(-88306),Lamc1(+58033)	N/A
Chr1	153274846	153274965	Chr1.123396	Lamc2(-88459),Lamc1(+57880)	N/A
Chr1	153278045	153278253	Chr1.123398	Lamc2(-91702),Lamc1(+54637)	N/A
Chr1	153302822	153303028	Chr1.123418	Lamc2(-116478),Lamc1(+29861)	N/A
Chr1	153317393	153317731	Chr1.123426	Lamc2(-13115),Lamc1(+15224)	N/A
Chr1	153318210	153318396	Chr1.123430	Lamc2(-131858),Lamc1(+14483)	N/A
Chr1	153327913	153328115	Chr1.123444	Lamc2(-141567),Lamc1(+4772)	N/A
Chr1	153333694	153333935	Chr1.123465	Lamc1(-1029)	N/A
Chr1	153354222	153354367	Chr1.123468	Lamc1(-21509),E330020r12rk(+54134)	N/A
Chr1	153641608	153641727	Chr1.123677	Npl(-91854),Rgs8(-11357)	N/A
Chr1	153653241	153653360	Chr1.123690	Rgs8(-376)	N/A
Chr1	153653808	153653948	Chr1.123695	Rgs8(+853)	N/A
Chr1	153660112	153660223	Chr1.123706	Rgs16(-80181),Rgs8(+7143)	N/A
Chr1	153664779	153664895	Chr1.123713	Rgs16(-75512),Rgs8(+11812)	N/A
Chr1	153685045	153685250	Chr1.123716	Rgs16(-75201),Rgs8(+12123)	N/A
Chr1	153685627	153685737	Chr1.123718	Rgs16(-74767),Rgs8(+12557)	N/A
Chr1	153685772	153685923	Chr1.123722	Rgs16(-74501),Rgs8(+12823)	N/A

Chr1	153670437	153670540	Chr1.123736	<i>Rgs16(-69860),Rgs8(+17464)</i>	N/A
Chr1	153679186	153679357	Chr1.123749	<i>Rgs16(-61077),Rgs8(+26247)</i>	N/A
Chr1	153705069	153705179	Chr1.123801	<i>Rgs16(-35226),Rgs8(+52069)</i>	N/A
Chr1	153733957	153731056	Chr1.123819	<i>Rgs16(-9342),Rgs3(+77952)</i>	N/A
Chr1	153733298	153733496	Chr1.123822	<i>Rgs16(-6952),Rgs8(+80372)</i>	N/A
Chr1	153737474	153737605	Chr1.123828	<i>Rgs16(-2809)</i>	N/A
Chr1	153856075	153856181	Chr1.124029	<i>Teddm2(-4933)</i>	N/A
Chr1	153898572	153898672	Chr1.124079	<i>Glul(-1322)</i>	N/A
Chr1	153901514	153901643	Chr1.124083	<i>A930039a15rk(-3722)</i>	N/A
Chr1	153997460	153997611	Chr1.124170	<i>Zfp648(-20365),A930039a15rk(+92235)</i>	N/A
Chr1	154102885	154103256	Chr1.124211	<i>Zfp648(-98116),A930039a15rk(+197770)</i>	N/A
Chr1	154117917	154118091	Chr1.124226	<i>Zfp648(-83183),A930039a15rk(+212703)</i>	N/A
Chr1	154118259	154118371	Chr1.124229	<i>Zfp648(-82872),A930039a15rk(+213014)</i>	N/A
Chr1	154150274	154150460	Chr1.124248	<i>Zfp648(-50820),A930039a15rk(+245066)</i>	N/A
Chr1	154156883	154157055	Chr1.124256	<i>Zfp648(-44318),A930039a15rk(+251568)</i>	N/A
Chr1	154190196	154190320	Chr1.124272	<i>Zfp648(-10929),A930039a15rk(+284957)</i>	N/A
Chr1	154416704	154417032	Chr1.124455	<i>Zfp648(+215681),Cacna1e(+309052)</i>	N/A
Chr1	154608916	154609017	Chr1.124693	<i>Cacna1e(+116953),Zfp648(+407780)</i>	N/A
Chr1	154689323	154689573	Chr1.124771	<i>Cacna1e(+36472),Zfp648(+488261)</i>	N/A
Chr1	154704789	154704960	Chr1.124778	<i>Cacna1e(+21045),Zfp648(+503688)</i>	N/A
Chr1	154726076	154726259	Chr1.124838	<i>Cacna1e(-248)</i>	N/A
Chr1	154726559	154726715	Chr1.124842	<i>Cacna1e(-717)</i>	N/A
Chr1	154730633	154730899	Chr1.124847	<i>Cacna1e(-4846)</i>	N/A
Chr1	154784817	154785041	Chr1.124882	<i>Cacna1e(-59009),Ier5(+314707)</i>	N/A
Chr1	155023445	155023587	Chr1.125005	<i>Cacna1e(-297596),Ier5(+76120)</i>	N/A
Chr1	155039402	155039591	Chr1.125016	<i>Cacna1e(-313577),Ier5(+60138)</i>	N/A
Chr1	155063058	155063268	Chr1.125031	<i>Cacna1e(-337243),Ier5(+36473)</i>	N/A
Chr1	155071277	155071627	Chr1.125042	<i>Cacna1e(-345532),Ier5(+28184)</i>	N/A
Chr1	155074992	155075152	Chr1.125053	<i>Cacna1e(-349152),Ier5(+24564)</i>	N/A
Chr1	155077821	155078025	Chr1.125056	<i>Cacna1e(-352003),Ier5(+21713)</i>	N/A
Chr1	155078860	155079032	Chr1.125062	<i>Cacna1e(-353026),Ier5(+20680)</i>	N/A
Chr1	155082170	155082376	Chr1.125065	<i>Cacna1e(-356533),Ier5(+17363)</i>	N/A
Chr1	155086427	155086555	Chr1.125069	<i>Cacna1e(-360576),Ier5(+13140)</i>	N/A
Chr1	155087002	155087121	Chr1.125074	<i>Cacna1e(-361142),Ier5(+12574)</i>	N/A
Chr1	155089562	155089694	Chr1.125080	<i>Cacna1e(-363708),Ier5(+10008)</i>	N/A
Chr1	155093709	155093857	Chr1.125097	<i>Cacna1e(-367863),Ier5(+5853)</i>	N/A
Chr1	155094205	155094395	Chr1.125103	<i>Cacna1e(-368380),Ier5(+5336)</i>	N/A
Chr1	155097524	155097819	Chr1.125116	<i>Cacna1e(-371752),Ier5(+1954)</i>	N/A
Chr1	155098044	155098290	Chr1.125117	<i>Cacna1e(-372247),Ier5(+1469)</i>	N/A
Chr1	155099621	155099812	Chr1.125128	<i>Ier5(-81)</i>	N/A
Chr1	155109436	155109742	Chr1.125139	<i>Ier5(-9953),Mr1(+37191)</i>	N/A
Chr1	155110105	155110216	Chr1.125141	<i>Ier5(-10524),Mr1(+36820)</i>	N/A
Chr1	155159281	155159454	Chr1.125209	<i>Stx6(+656)</i>	N/A
Chr1	155203068	155203208	Chr1.125249	<i>Bc034090(-29586),Stx6(+44435)</i>	N/A
Chr1	155203444	155203593	Chr1.125253	<i>Bc034090(-29205),Stx6(+44816)</i>	N/A
Chr1	155204719	155204956	Chr1.125257	<i>Bc034090(-27886),Stx6(+46135)</i>	N/A
Chr1	155230139	155230302	Chr1.125308	<i>Bc034090(-2503),Stx6(+71518)</i>	N/A
Chr1	155234196	155234391	Chr1.125326	<i>Bc034090(-1525)</i>	N/A
Chr1	155280618	155280809	Chr1.125367	<i>Bc034090(-47990),Xpr1(+136595)</i>	N/A
Chr1	155306921	155307040	Chr1.125400	<i>Bc034090(-74257),Xpr1(+110328)</i>	N/A
Chr1	155417631	155417744	Chr1.125495	<i>Xpr1(-379)</i>	N/A
Chr1	155482094	155482390	Chr1.125575	<i>Acdb6(-75887),Xpr1(-64933)</i>	N/A
Chr1	155489525	155489634	Chr1.125581	<i>Xpr1(-71671),Acdb6(-69149)</i>	N/A
Chr1	155502913	155503037	Chr1.125597	<i>Xpr1(-65668),Acdb6(-55154)</i>	N/A
Chr1	155504647	155504778	Chr1.125609	<i>Xpr1(-87404),Acdb6(-53416)</i>	N/A
Chr1	155527387	155527523	Chr1.125646	<i>Xpr1(-110146),Acdb6(-30674)</i>	N/A
Chr1	155646564	155646688	Chr1.125766	<i>Acdb6(+88497),Lhx4(+95494)</i>	N/A
Chr1	155681212	155681886	Chr1.125802	<i>Lhx4(+60671),Acdb6(+123320)</i>	N/A
Chr1	155687137	155687266	Chr1.125816	<i>Lhx4(+54918),Acdb6(+129073)</i>	N/A
Chr1	155901657	155903302	Chr1.125952	<i>Kcnq5(+1712),Khd1a(+576674)</i>	N/A
Chr1	155741954	155742149	Chr1.125927	<i>Lhx4(+68)</i>	N/A
Chr1	155750775	155750908	Chr1.125942	<i>Lhx4(-8722),Qsox1(+62041)</i>	N/A
Chr1	155777702	155777824	Chr1.125966	<i>Lhx4(-35643),Qsox1(+35120)</i>	N/A
Chr1	155790146	155790310	Chr1.126015	<i>Lhx4(-48108),Qsox1(+22655)</i>	N/A
Chr1	155790534	155790743	Chr1.126021	<i>Lhx4(-48513),Qsox1(+22244)</i>	N/A
Chr1	156036335	156036526	Chr1.126361	<i>Tort1p(+49)</i>	N/A
Chr1	156090182	156090298	Chr1.126450	<i>Tort1p(-53760),Fam163a(+114786)</i>	N/A
Chr1	156111795	156111941	Chr1.126462	<i>Tort1p(-75388),Fam163a(+93158)</i>	N/A
Chr1	156111981	156112110	Chr1.126463	<i>Tort1p(-75566),Fam163a(+92980)</i>	N/A
Chr1	156178957	156179683	Chr1.126470	<i>Tort1p(-143440),Fam163a(+25106)</i>	N/A
Chr1	156184226	156184437	Chr1.126478	<i>Tort1p(-1147852),Fam163a(+20594)</i>	N/A
Chr1	156221817	156221939	Chr1.126494	<i>Fam163a(-16852),Tdrd5(+81786)</i>	N/A
Chr1	156590465	156590621	Chr1.126746	<i>Abi2(+31494),Tor3a(+83813)</i>	N/A
Chr1	156615822	156616014	Chr1.126756	<i>Abi2(+56869),Tor3a(+58438)</i>	N/A
Chr1	156617317	156617440	Chr1.126763	<i>Tor3a(+56977),Abi2(+58330)</i>	N/A
Chr1	156646682	156646806	Chr1.126837	<i>Tor3a(-29612),Abi2(+85695)</i>	N/A
Chr1	156754747	156754949	Chr1.126957	<i>Angpt1(-83714),Fam20b(-35847)</i>	N/A
Chr1	156769995	156770099	Chr1.126967	<i>Angpt1(-68515),Fam20b(-51046)</i>	N/A
Chr1	156781204	156781380	Chr1.126981	<i>Fam20b(-62291),Angpt1(-57270)</i>	N/A
Chr1	156782438	156782750	Chr1.126984	<i>Fam20b(-63593),Angpt1(-55968)</i>	N/A
Chr1	156808671	156808871	Chr1.127010	<i>Fam20b(-69520),Angpt1(-30041)</i>	N/A
Chr1	156808796	156808915	Chr1.127012	<i>Fam20b(-69855),Angpt1(-29706)</i>	N/A
Chr1	156838649	156839246	Chr1.127045	<i>Angpt1(+386)</i>	N/A
Chr1	156840632	156840868	Chr1.127059	<i>Angpt1(+2188),Relgs2(+98876)</i>	N/A
Chr1	156864570	156864972	Chr1.127100	<i>Angpt1(+26209),Relgs2(+74855)</i>	N/A
Chr1	156892893	156893080	Chr1.127117	<i>Relgs2(+46639),Angpt1(+54425)</i>	N/A
Chr1	156938842	156939022	Chr1.127130	<i>Relgs2(+6494)</i>	N/A
Chr1	156940282	156940391	Chr1.127134	<i>Relgs2(-711)</i>	N/A
Chr1	156964016	156964203	Chr1.127149	<i>Relgs2(-24484),Tex35(+144535)</i>	N/A
Chr1	156997158	156997301	Chr1.127173	<i>Relgs2(-57604),Tex35(+11415)</i>	N/A
Chr1	157003239	157003375	Chr1.127190	<i>Relgs2(-63681),Tex35(+105338)</i>	N/A
Chr1	157036561	157036857	Chr1.127202	<i>Relgs2(-97083),Tex35(+71936)</i>	N/A
Chr1	157039554	157039733	Chr1.127206	<i>Relgs2(-100118),Tex35(+6901)</i>	N/A
Chr1	157039849	157039950	Chr1.127210	<i>Relgs2(-100274),Tex35(+68745)</i>	N/A
Chr1	157048268	157048372	Chr1.127214	<i>Relgs2(-108694),Tex35(+60325)</i>	N/A
Chr1	157055500	157055712	Chr1.127219	<i>Relgs2(-115980),Tex35(+53039)</i>	N/A
Chr1	157132359	157132462	Chr1.127265	<i>2810025m15nk(-279941),Tex35(-23766)</i>	N/A
Chr1	157143479	157143686	Chr1.127303	<i>2810025m15nk(-268789),Tex35(-34939)</i>	N/A
Chr1	157180828	157180934	Chr1.127399	<i>2810025m15nk(-231471),Tex35(-72236)</i>	N/A
Chr1	157243455	157243770	Chr1.127467	<i>2810025m15nk(-168739),Tex35(-134968)</i>	N/A
Chr1	157243900	157244491	Chr1.127469	<i>2810025m15nk(-168156),Tex35(-135551)</i>	N/A
Chr1	157327693	157327804	Chr1.127536	<i>Tex35(-219104),2810025m15nk(-84603)</i>	N/A
Chr1	157410909	157411128	Chr1.127602	<i>2810025m15nk(-1333)</i>	N/A
Chr1	157417400	157417692	Chr1.127618	<i>Rasa2(-4951)</i>	N/A
Chr1	157417796	157417905	Chr1.127621	<i>Cryz2(-40729),Rasa2(-5256)</i>	N/A
Chr1	157418132	157418267	Chr1.127625	<i>Cryz2(-40380),Rasa2(-5605)</i>	N/A
Chr1	157443454	157443675	Chr1.127651	<i>Rasa2(-30970),Cryz2(-15015)</i>	N/A
Chr1	157443851	157444038	Chr1.127654	<i>Rasa2(-31350),Cryz2(-14635)</i>	N/A
Chr1	157444288	157444407	Chr1.127655	<i>Rasa2(-31753),Cryz2(-14232)</i>	N/A
Chr1	157447969	157448197	Chr1.127668	<i>Rasa2(-36483),Cryz2(-10502)</i>	N/A
Chr1	157448238	157448429	Chr1.127670	<i>Rasa2(-35739),Cryz2(-10246)</i>	N/A
Chr1	157450157	157450287	Chr1.127680	<i>Rasa2(-37627),Cryz2(-8358)</i>	N/A
Chr1	157454954	157455139	Chr1.127689	<i>Cryz2(-3533)</i>	N/A
Chr1	157506648	157506928	Chr1.127760	<i>Sec16b(+60)</i>	N/A
Chr1	157604044	157604170	Chr1.127966	<i>Sec16b(+97379),Brnp2(+752153)</i>	N/A
Chr1	157684453	157684576	Chr1.128030	<i>Sec16b(+177787),Brnp2(+671745)</i>	N/A
Chr1	157724293	157724427	Chr1.128100	<i>Sec16b(+217632),Brnp2(+631900)</i>	N/A
Chr1	157746602	157746706	Chr1.128131	<i>Sec16b(+239926),Brnp2(+609606)</i>	N/A
Chr1	157799564	157799689	Chr1.128190	<i>Sec16b(+292899),Brnp2(+556633)</i>	N/A
Chr1	158147612	158147722	Chr1.128548	<i>Brnp2(-208593),Sec16b(+646939)</i>	N/A
Chr1	158193158	158193403	Chr1.128626	<i>Brnp2(-162979),Sec16b(+686553)</i>	N/A
Chr1	158194196	158194327	Chr1.128633	<i>Brnp2(+161998),Sec16b(+687534)</i>	N/A
Chr1	158209413	158209519	Chr1.128665	<i>Brnp2(+148794),Sec16b(+702738)</i>	N/A
Chr1	158220495	158220633	Chr1.128678	<i>Brnp2(+135696),Sec16b(+713836)</i>	N/A
Chr1	158220119	158221155	Chr1.128685	<i>Brnp2(+135717),Sec16b(+714359)</i>	N/A
Chr1	158284389	158284538	Chr1.128814	<i>Brnp2(-71786),Sec16b(+777736)</i>	N/A
Chr1	158356244	158356502	Chr1.128951	<i>Brnp2(-113)</i>	N/A
Chr1	158356617	158356755	Chr1.128956	<i>Brnp2(-426)</i>	N/A
Chr1	22533393	22534026	Chr1.12908	<i>Kcnq5(-571768),Rims1(+272014)</i>	N/A
Chr1	158548051	158548244	Chr1.129342	<i>Astn1(+185844),Pappa2(+410219)</i>	N/A
Chr1	158549451	158549697	Chr1.129343	<i>Astn1(+185270),Pappa2(+409793)</i>	N/A
Chr1	158733021	158733140	Chr1.129599	<i>Pappa2(+216336),Astn1(+370777)</i>	N/A
Chr1	158733438	158733683	Chr1.129603	<i>Pappa2(+224806),Astn1(+371257)</i>	N/A
Chr1	158739496	158739809	Chr1.129608	<i>Pappa2(+218714),Astn1(+377349)</i>	N/A
Chr1	158741515	158741642	Chr1.129613	<i>Pappa2(+216788),Astn1(+379275)</i>	N/A
Chr1	158811971	158812218	Chr1.129734	<i>Pappa2(+146272),Astn1(+449791)</i>	N/A
Chr1	158816950	158817059	Chr1.129752	<i>Pappa2(-141362),Astn1(+454703)</i>	N/A
Chr1	158818109	158818252	Chr1.129757	<i>Pappa2(+140169),Astn1(+455877)</i>	N/A

Chr1	158828212	158828316	Chr1.129765	<i>Pappa2(+130103),Astr1(+465960)</i>	N/A
Chr1	158852940	158853327	Chr1.129830	<i>Pappa2(+105233),Astr1(+490830)</i>	N/A
Chr1	158931002	158931114	Chr1.129911	<i>Pappa2(+27309),Astr1(+568754)</i>	N/A
Chr1	158942480	158942600	Chr1.129963	<i>Pappa2(+15827),Astr1(+506239)</i>	N/A
Chr1	158954836	158955070	Chr1.129997	<i>Pappa2(+3414),Astr1(+592549)</i>	N/A
Chr1	158960114	158960301	Chr1.130027	<i>Pappa2(-1841)</i>	N/A
Chr1	158960353	158960746	Chr1.130029	<i>Pappa2(-2183)</i>	N/A
Chr1	158961036	158961402	Chr1.130036	<i>Pappa2(-2852)</i>	N/A
Chr1	159002260	159002760	Chr1.130063	<i>160001zp17rk(-22122),Gm4953(+166057)</i>	N/A
Chr1	159037103	159038029	Chr1.13013	<i>Kncq3(-721824),Rims1(+121958)</i>	N/A
Chr1	159163492	159163720	Chr1.130211	<i>160001zp17rk(-183143),Gm4953(+5036)</i>	N/A
Chr1	159393139	159393284	Chr1.130279	<i>Gm10530(-221537),Cop1(+160886)</i>	N/A
Chr1	159413481	159413675	Chr1.130295	<i>Gm10530(-201171),Cop1(+181252)</i>	N/A
Chr1	159552036	159552140	Chr1.130432	<i>Gm10530(-62661),Cop1(+319762)</i>	N/A
Chr1	159552295	159552422	Chr1.130434	<i>Gm10530(-62390),Cop1(+320033)</i>	N/A
Chr1	159578494	159578618	Chr1.130472	<i>Gm10530(-36183),Cop1(+346230)</i>	N/A
Chr1	159670713	159670981	Chr1.130609	<i>Trn(-66663),Gm10530(+56098)</i>	N/A
Chr1	159686716	159686960	Chr1.130643	<i>Trn(-50672),Gm10530(+72089)</i>	N/A
Chr1	159775318	159775417	Chr1.130791	<i>4930523c07rk(-269016),Trn(+37858)</i>	N/A
Chr1	159859589	159859993	Chr1.130996	<i>4930523c07rk(-184458),Trn(+122416)</i>	N/A
Chr1	160203983	160204502	Chr1.13141	<i>Rims1(-719)</i>	N/A
Chr1	160224008	160224219	Chr1.131620	<i>Cacybp(-11222),Rabgap1(+568824)</i>	N/A
Chr1	160238526	160238639	Chr1.131643	<i>Cacybp(-25691),Rabgap1(+554355)</i>	N/A
Chr1	160250488	160250619	Chr1.131653	<i>Cacybp(-37662),Rabgap1(+542384)</i>	N/A
Chr1	160251424	160251524	Chr1.131659	<i>Cacybp(-38582),Rabgap1(+541464)</i>	N/A
Chr1	160307169	160307299	Chr1.131709	<i>Cacybp(-94342),Rabgap1(+485704)</i>	N/A
Chr1	160308701	160308825	Chr1.131717	<i>Cacybp(-95871),Rabgap1(+484175)</i>	N/A
Chr1	160309135	160309261	Chr1.131720	<i>Cacybp(-96306),Rabgap1(+483740)</i>	N/A
Chr1	160351183	160351480	Chr1.131761	<i>Cacybp(-138440),Rabgap1(+441606)</i>	N/A
Chr1	160352039	160352332	Chr1.131767	<i>Cacybp(-139294),Rabgap1(+440752)</i>	N/A
Chr1	160397843	160397880	Chr1.131792	<i>Cacybp(-184630),Rabgap1(+395216)</i>	N/A
Chr1	160397834	160397947	Chr1.131797	<i>Cacybp(-184989),Rabgap1(+395047)</i>	N/A
Chr1	160531605	160531761	Chr1.13184	<i>Rims1(-125959),4933415f23rk(+170570)</i>	N/A
Chr1	160579503	160579688	Chr1.131973	<i>Cacybp(-366704),Rabgap1(+213342)</i>	N/A
Chr1	160791987	160792089	Chr1.132085	<i>Rabgap1(+900)</i>	N/A
Chr1	161004060	161004232	Chr1.132252	<i>Serpinc1(+25540),Ztb37(+30689)</i>	N/A
Chr1	161004427	161004699	Chr1.132254	<i>Serpinc1(+25937),Ztb37(+30272)</i>	N/A
Chr1	161034031	161034324	Chr1.132335	<i>Ztb37(+657)</i>	N/A
Chr1	161713215	161713400	Chr1.132772	<i>Fas(+75187),Tnfrsf18(+218653)</i>	N/A
Chr1	161734911	161735120	Chr1.132789	<i>Fas(+53479),Tnfrsf18(+240361)</i>	N/A
Chr1	161761586	161761757	Chr1.132808	<i>Fas(+26823),Tnfrsf18(+267017)</i>	N/A
Chr1	161876679	161876820	Chr1.132938	<i>Succ4(-89)</i>	N/A
Chr1	162146470	162146617	Chr1.13302	<i>4933415f23rk(-44291),Gm6420(+109862)</i>	N/A
Chr1	161984110	161984383	Chr1.133022	<i>4930558k02rk(-4611)</i>	N/A
Chr1	161989859	161990144	Chr1.133044	<i>Gm10176(-487678),4930558k02rk(-10366)</i>	N/A
Chr1	161990440	161990632	Chr1.133049	<i>Gm10176(-487119),4930558k02rk(-10925)</i>	N/A
Chr1	161996358	161996499	Chr1.133067	<i>Gm10176(-481251),4930558k02rk(-16793)</i>	N/A
Chr1	162001007	162001285	Chr1.133081	<i>Gm10176(-476534),4930558k02rk(-151510)</i>	N/A
Chr1	162001535	162001638	Chr1.133084	<i>Gm10176(-476993),4930558k02rk(-21951)</i>	N/A
Chr1	162002588	162002784	Chr1.133086	<i>Gm10176(-474994),4930558k02rk(-23050)</i>	N/A
Chr1	162005594	162005693	Chr1.133100	<i>Gm10176(-472036),4930558k02rk(-26008)</i>	N/A
Chr1	162006396	162006556	Chr1.133104	<i>Gm10176(-471204),4930558k02rk(-26840)</i>	N/A
Chr1	162007206	162007381	Chr1.133107	<i>Gm10176(-470386),4930558k02rk(-27658)</i>	N/A
Chr1	162014827	162014987	Chr1.133153	<i>Gm10176(-462733),4930558k02rk(-35271)</i>	N/A
Chr1	162015613	162015724	Chr1.133157	<i>Gm10176(-462011),4930558k02rk(-36033)</i>	N/A
Chr1	162017029	162017324	Chr1.133162	<i>Gm10176(-460503),4930558k02rk(-37541)</i>	N/A
Chr1	162018127	162018398	Chr1.133164	<i>Gm10176(-459417),4930558k02rk(-38627)</i>	N/A
Chr1	162020184	162020337	Chr1.133170	<i>Gm10176(-457419),4930558k02rk(-40625)</i>	N/A
Chr1	162020460	162020606	Chr1.133174	<i>Gm10176(-457047),4930558k02rk(-40987)</i>	N/A
Chr1	162024018	162024265	Chr1.133178	<i>Gm10176(-453538),4930558k02rk(-44506)</i>	N/A
Chr1	162037304	162037515	Chr1.133183	<i>Gm10176(-440270),4930558k02rk(-57774)</i>	N/A
Chr1	162037966	162038077	Chr1.133186	<i>Gm10176(-439658),4930558k02rk(-58386)</i>	N/A
Chr1	162038885	162038988	Chr1.133192	<i>Gm10176(-438743),4930558k02rk(-59301)</i>	N/A
Chr1	162039743	162040028	Chr1.133195	<i>Gm10176(-437796),4930558k02rk(-60248)</i>	N/A
Chr1	162043854	162044217	Chr1.133201	<i>Gm10176(-433644),4930558k02rk(-64400)</i>	N/A
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Chr1	162052752	162052927	Chr1.133217	<i>Gm10176(-424840),4930558k02rk(-73204)</i>	N/A
Chr1	162052966	162053086	Chr1.133222	<i>Gm10176(-424654),4930558k02rk(-73390)</i>	N/A
Chr1	162053137	162053361	Chr1.133224	<i>Gm10176(-423431),4930558k02rk(-73613)</i>	N/A
Chr1	162187911	162188157	Chr1.133223	<i>4933415f23rk(-48781),Gm6420(+46872)</i>	N/A
Chr1	162053736	162053911	Chr1.133232	<i>Gm10176(-423856),4930558k02rk(-74188)</i>	N/A
Chr1	162055993	162056150	Chr1.133233	<i>Gm10176(-421608),4930558k02rk(-76436)</i>	N/A
Chr1	162072982	162073238	Chr1.133249	<i>Gm10176(-404570),4930558k02rk(-93474)</i>	N/A
Chr1	162074587	162074890	Chr1.133253	<i>Gm10176(-402941),4930558k02rk(-95103)</i>	N/A
Chr1	162075298	162075354	Chr1.133257	<i>Gm10176(-402399),4930558k02rk(-96445)</i>	N/A
Chr1	162076030	162076192	Chr1.133260	<i>Gm10176(-401569),4930558k02rk(-96479)</i>	N/A
Chr1	162076482	162076965	Chr1.133263	<i>Gm10176(-400956),4930558k02rk(-97088)</i>	N/A
Chr1	162077391	162077694	Chr1.133272	<i>Gm10176(-400137),4930558k02rk(-97907)</i>	N/A
Chr1	162093994	162094484	Chr1.133288	<i>Gm10176(-383441),4930558k02rk(-114603)</i>	N/A
Chr1	162100891	162101143	Chr1.133295	<i>Gm10176(-376663),4930558k02rk(-121381)</i>	N/A
Chr1	162103770	162104047	Chr1.133301	<i>Gm10176(-373771),4930558k02rk(-124273)</i>	N/A
Chr1	162121729	162121941	Chr1.133305	<i>Gm10176(-355845),4930558k02rk(-142199)</i>	N/A
Chr1	162123338	162123525	Chr1.133311	<i>Gm10176(-354248),4930558k02rk(-143796)</i>	N/A
Chr1	162123821	162124042	Chr1.133314	<i>Gm10176(-353748),4930558k02rk(-144296)</i>	N/A
Chr1	162126769	162126875	Chr1.133323	<i>Gm10176(-350858),4930558k02rk(-147186)</i>	N/A
Chr1	162127358	162127524	Chr1.133327	<i>Gm10176(-350234),4930558k02rk(-147810)</i>	N/A
Chr1	162134793	162135023	Chr1.133338	<i>Gm10176(-342772),4930558k02rk(-155272)</i>	N/A
Chr1	162136332	162136459	Chr1.133343	<i>Gm10176(-341284),4930558k02rk(-156760)</i>	N/A
Chr1	162204469	162204743	Chr1.133335	<i>4933415f23rk(-100353),Gm6420(+53800)</i>	N/A
Chr1	162144204	162144434	Chr1.133350	<i>Gm10176(-333361),4930558k02rk(-164683)</i>	N/A
Chr1	162153103	162153404	Chr1.133359	<i>Gm10176(-324426),4930558k02rk(-173618)</i>	N/A
Chr1	162156989	162157222	Chr1.133366	<i>Gm10176(-320574),4930558k02rk(-174707)</i>	N/A
Chr1	162164173	162164327	Chr1.133372	<i>Gm10176(-313430),4930558k02rk(-184614)</i>	N/A
Chr1	162172859	162173278	Chr1.133376	<i>Gm10176(-304611),4930558k02rk(-193433)</i>	N/A
Chr1	162180565	162180693	Chr1.133384	<i>Gm10176(-297051),4930558k02rk(-200993)</i>	N/A
Chr1	162181308	162181453	Chr1.133393	<i>Gm10176(-296299),4930558k02rk(-201745)</i>	N/A
Chr1	162189844	162187268	Chr1.133399	<i>Gm10176(-290379),4930558k02rk(-207469)</i>	N/A
Chr1	162303017	162303142	Chr1.13340	<i>4933415f23rk(-100827),Gm6420(+53326)</i>	N/A
Chr1	162196817	162197067	Chr1.133410	<i>Gm10176(-280738),4930558k02rk(-217306)</i>	N/A
Chr1	162197499	162197615	Chr1.133415	<i>Gm10176(-280123),4930558k02rk(-217921)</i>	N/A
Chr1	162207489	162207798	Chr1.133426	<i>Gm10176(-270036),4930558k02rk(-228008)</i>	N/A
Chr1	162213182	162213283	Chr1.133434	<i>Gm10176(-264447),4930558k02rk(-233597)</i>	N/A
Chr1	162213317	162213445	Chr1.133439	<i>Gm10176(-264299),4930558k02rk(-233745)</i>	N/A
Chr1	162213785	162214000	Chr1.133440	<i>Gm10176(-263787),4930558k02rk(-234257)</i>	N/A
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Chr1	162217499	162217766	Chr1.133458	<i>Gm10176(-260047),4930558k02rk(-237997)</i>	N/A
Chr1	162217811	162217967	Chr1.133460	<i>Gm10176(-259791),4930558k02rk(-238253)</i>	N/A
Chr1	162218029	162218146	Chr1.133463	<i>Gm10176(-259892),4930558k02rk(-238452)</i>	N/A
Chr1	162218676	162219144	Chr1.133468	<i>Gm10176(-258870),4930558k02rk(-239374)</i>	N/A
Chr1	162220273	162220388	Chr1.133470	<i>Gm10176(-257349),4930558k02rk(-240695)</i>	N/A
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Chr1	162221827	162222002	Chr1.133480	<i>Gm10176(-255765),4930558k02rk(-242279)</i>	N/A
Chr1	162222866	162223086	Chr1.133484	<i>Gm10176(-254702),4930558k02rk(-243342)</i>	N/A
Chr1	162223365	162223541	Chr1.133487	<i>Gm10176(-254227),4930558k02rk(-243817)</i>	N/A
Chr1	162223614	162223748	Chr1.133488	<i>Gm10176(-253990),4930558k02rk(-244045)</i>	N/A
Chr1	162225858	162226031	Chr1.133492	<i>Gm10176(-251735),4930558k02rk(-246300)</i>	N/A
Chr1	162242418	162242682	Chr1.133510	<i>4930558k02rk(-262914),Gm10176(-235130)</i>	N/A
Chr1	162254084	162254233	Chr1.133513	<i>4930558k02rk(-274523),Gm10176(-223521)</i>	N/A
Chr1	162254265	162254513	Chr1.133515	<i>4930558k02rk(-274753),Gm10176(-223291)</i>	N/A
Chr1	162254447	162254757	Chr1.133519	<i>4930558k02rk(-275016),Gm10176(-223289)</i>	N/A
Chr1	162273267	162273786	Chr1.133529	<i>4930558k02rk(-293891),Gm10176(-204153)</i>	N/A
Chr1	162274005	162274111	Chr1.133532	<i>4930558k02rk(-294422),Gm10176(-203622)</i>	N/A
Chr1	162282058	162282179	Chr1.133541	<i>4930558k02rk(-302483),Gm10176(-195561)</i>	N/A
Chr1	162282962	162283104	Chr1.133545	<i>4930558k02rk(-303407),Gm10176(-194637)</i>	N/A
Chr1	162311552	162311652	Chr1.133568	<i>4930558k02rk(-301968),Gm10176(-166078)</i>	N/A
Chr1	162453627	162453775	Chr1.133650	<i>4930558k02rk(-474065),Gm10176(-23979)</i>	N/A
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Chr1	163196252	163196718	Chr1.134582	Mroh9(-110815),Prx1(+117225)	N/A
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Chr1	163238980	163239296	Chr1.134615	Mroh9(-153469),Prx1(+74571)	N/A
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Chr1	163275195	163275406	Chr1.134700	Mroh9(-189631),Prx1(+38409)	N/A
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Chr1	163301510	163301710	Chr1.134746	Mroh9(-215940),Prx1(+12100)	N/A
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Chr1	163362323	163362455	Chr1.134843	Prx1(-46679),Gorab(+11252)	N/A
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Chr1	163377676	163377973	Chr1.134865	Prx1(-64115),Gorab(+25816)	N/A
Chr1	163378110	163378309	Chr1.134870	Prx1(-64500),Gorab(+25431)	N/A
Chr1	163383489	163384056	Chr1.134873	Prx1(-70063),Gorab(+19868)	N/A
Chr1	163384477	163384603	Chr1.134880	Prx1(-70830),Gorab(+19101)	N/A
Chr1	163391355	163391692	Chr1.134903	Prx1(-77814),Gorab(+12117)	N/A
Chr1	163423506	163423930	Chr1.134948	Gorab(-20077),Mett11b(+301514)	N/A
Chr1	163443331	163443599	Chr1.134966	Gorab(-39822),Mett11b(+281769)	N/A
Chr1	163443984	163444219	Chr1.134971	Gorab(-40451),Mett11b(+281130)	N/A
Chr1	163477741	163478095	Chr1.134995	Gorab(-74277),Mett11b(+247314)	N/A
Chr1	163537776	163537900	Chr1.135059	Gorab(-134197),Mett11b(+187394)	N/A
Chr1	163561239	163561437	Chr1.135087	Gorab(-157697),Mett11b(+163894)	N/A
Chr1	163572278	163572423	Chr1.135098	Gorab(-168710),Mett11b(+152881)	N/A
Chr1	163574597	163574782	Chr1.135100	Gorab(-171049),Mett11b(+150542)	N/A
Chr1	163574907	163575140	Chr1.135107	Gorab(-171383),Mett11b(+150208)	N/A
Chr1	163575864	163575979	Chr1.135112	Gorab(-172281),Mett11b(+149310)	N/A
Chr1	163600271	163600480	Chr1.135126	Gorab(-196735),Mett11b(+124856)	N/A
Chr1	163600514	163600872	Chr1.135128	Gorab(-197052),Mett11b(+124539)	N/A
Chr1	163607709	163608089	Chr1.135142	Gorab(-204298),Mett11b(+117333)	N/A
Chr1	163608125	163608233	Chr1.135146	Gorab(-204538),Mett11b(+117053)	N/A
Chr1	163610222	163610465	Chr1.135154	Gorab(-206703),Mett11b(+114888)	N/A
Chr1	163618184	163618460	Chr1.135161	Gorab(-214681),Mett11b(+106910)	N/A
Chr1	163641137	163641247	Chr1.135178	Gorab(-237551),Mett11b(+84040)	N/A
Chr1	163650629	163650796	Chr1.135186	Gorab(-247052),Mett11b(+74539)	N/A
Chr1	163657104	163657257	Chr1.135191	Gorab(-253540),Mett11b(+68051)	N/A
Chr1	163657737	163657945	Chr1.135196	Gorab(-254200),Mett11b(+67391)	N/A
Chr1	163658417	163658643	Chr1.135199	Gorab(-254889),Mett11b(+66702)	N/A
Chr1	163670849	163671063	Chr1.135217	Gorab(-267315),Mett11b(+54276)	N/A
Chr1	163682936	163683378	Chr1.135225	Gorab(-279516),Mett11b(+42075)	N/A
Chr1	163696430	163696580	Chr1.135237	Gorab(-282864),Mett11b(+38727)	N/A
Chr1	163725229	163725358	Chr1.135304	Mett11b(+62)	N/A
Chr1	163725405	163725557	Chr1.135306	Mett11b(+249)	N/A
Chr1	163757392	163757512	Chr1.135327	Mett11b(-32220),Klfap3(-22131)	N/A
Chr1	163757592	163758079	Chr1.135332	Mett11b(-32604),Klfap3(-21747)	N/A
Chr1	163843395	163843565	Chr1.135368	Scy3(-86285),Klfap3(+63897)	N/A
Chr1	163851150	163851256	Chr1.135385	Scy3(-76562),Klfap3(+71620)	N/A
Chr1	163852869	163853373	Chr1.135392	Scy3(-76644),Klfap3(+73530)	N/A
Chr1	163853404	163853527	Chr1.135393	Scy3(-76299),Klfap3(+73883)	N/A
Chr1	163853594	163853715	Chr1.135394	Scy3(-76110),Klfap3(+74072)	N/A
Chr1	163874117	163874572	Chr1.135412	Scy3(-55420),Klfap3(+94762)	N/A
Chr1	163883076	163884123	Chr1.135435	Scy3(-35810),Klfap3(+114372)	N/A
Chr1	163894153	163894445	Chr1.135437	Scy3(-35466),Klfap3(+1147130)	N/A
Chr1	163896984	163897022	Chr1.135443	Scy3(-32807),Klfap3(+117375)	N/A
Chr1	163897898	163898182	Chr1.135449	Scy3(-31725),Klfap3(+118457)	N/A
Chr1	163898225	163898719	Chr1.135453	Scy3(-31293),Klfap3(+118889)	N/A
Chr1	163907114	163908011	Chr1.135462	Scy3(-22202),Klfap3(+127980)	N/A
Chr1	163908739	163908896	Chr1.135470	Scy3(-20972),Klfap3(+123210)	N/A
Chr1	164454849	164454954	Chr1.136430	Alp1b(-13453),Alp1b(+142023)	N/A
Chr1	164577361	164577556	Chr1.136488	Dpl(-219273),Alp1b(-119104)	N/A
Chr1	164770731	164770926	Chr1.136553	Alp1b(-312474),Dpl(-25903)	N/A
Chr1	165042167	165042285	Chr1.136685	Xcl1(-106699),Tbx19(+118547)	N/A
Chr1	165075709	165075906	Chr1.136688	Xcl1(-140281),Tbx19(+84965)	N/A
Chr1	165373852	165374262	Chr1.136931	Gpr161(+72244),Dcaf6(+86358)	N/A
Chr1	165459442	165459546	Chr1.136962	Mpc2(-1543),Dcaf6(+971)	N/A
Chr1	23656521	23656662	Chr1.13707	Ogf11(-273417),B3gat2(-105334)	N/A
Chr1	165610592	165610889	Chr1.137185	Mpz1(+23800),Adcy10(+125558)	N/A
Chr1	165619416	165619523	Chr1.137191	Mpz1(+15071),Adcy10(+134287)	N/A
Chr1	165717777	165717917	Chr1.137263	Creg1(-45899),Rccl1(-9753)	N/A
Chr1	165717989	165718101	Chr1.137265	Creg1(-45896),Rccl1(-9956)	N/A
Chr1	165814913	165815022	Chr1.137319	Cd247(+26245),Pou2f1(+187710)	N/A
Chr1	165836439	165836851	Chr1.137339	Cd247(+47922),Pou2f1(+166033)	N/A
Chr1	165865133	165865327	Chr1.137375	Cd247(+76507),Pou2f1(+137448)	N/A
Chr1	165865549	165865798	Chr1.137380	Cd247(+76951),Pou2f1(+1370704)	N/A
Chr1	165969421	165969524	Chr1.137540	Pou2f1(-36205),Cd247(+177130)	N/A
Chr1	166001139	166001298	Chr1.137581	Pou2f1(+1459),Cd247(+212496)	N/A
Chr1	166003273	166003402	Chr1.137584	Pou2f1(-660)	N/A
Chr1	166088768	166088929	Chr1.137621	Pou2f1(-86171),Dusp27(+39049)	N/A
Chr1	166127891	166128011	Chr1.137723	Gpa33(-2287),Dusp27(-53)	N/A
Chr1	166256591	166256691	Chr1.137811	Idr2(+2502),533043803nk(+52944)	N/A
Chr1	166256833	166256977	Chr1.137815	Idr2(+2766),533043803nk(+52680)	N/A
Chr1	166257008	166257113	Chr1.137818	Idr2(+2922),533043803nk(+52524)	N/A
Chr1	166278817	166278926	Chr1.137848	Idr2(+24733),533043803nk(+30713)	N/A
Chr1	166279022	166279158	Chr1.137850	Idr2(+24951),533043803nk(+30495)	N/A
Chr1	166280713	166281028	Chr1.137853	Idr2(+26732),533043803nk(+28714)	N/A
Chr1	166284429	166284429	Chr1.137869	533043803nk(+25212),Idr2(-30234)	N/A
Chr1	166284516	166284760	Chr1.137871	533043803nk(+22957),Idr2(-32469)	N/A
Chr1	166284956	166908785	Chr1.138332	Fmn9(-226853),Fam78b(-92719)	N/A
Chr1	167002141	167002252	Chr1.138390	Fam78b(+780)	N/A
Chr1	167013682	167013846	Chr1.138412	Fam78b(+12347),Uck2(+210155)	N/A
Chr1	167047123	167047280	Chr1.138433	Fam78b(+45785),Uck2(+176717)	N/A
Chr1	167053227	167053448	Chr1.138472	Fam78b(+81921),Uck2(+140581)	N/A
Chr1	167182465	167182582	Chr1.138532	Uck2(+13595),Fam78b(+81107)	N/A
Chr1	167194906	167195097	Chr1.138546	Uck2(+28917),Fam78b(+193585)	N/A
Chr1	167412046	167412368	Chr1.138716	Mgat3(-18366),Lrrc52(+54573)	N/A
Chr1	167412397	167412528	Chr1.138721	Mgat3(-18622),Lrrc52(+54317)	N/A
Chr1	167419610	167419777	Chr1.138724	Mgat3(-25853),Lrrc52(+47086)	N/A
Chr1	167448833	167448812	Chr1.138744	Mgat3(-54683),Lrrc52(+18057)	N/A
Chr1	23948341	23948603	Chr1.13878	Smad1(-26155),Sdhaf4(+57184)	N/A
Chr1	167498598	167498778	Chr1.138798	Rxrg(-99696),Lrrc52(-31908)	N/A
Chr1	167565976	167566077	Chr1.138828	Lrrc52(-99247),Rxrg(-32353)	N/A
Chr1	167589908	167589907	Chr1.138843	Lrrc52(-122208),Rxrg(-9396)	N/A
Chr1	167598456	167598631	Chr1.138849	Rxrg(+160)	N/A
Chr1	167618150	167618273	Chr1.138877	Lmx1a(-71346),Rxrg(+19828)	N/A
Chr1	167630450	167630602	Chr1.138893	Lmx1a(-59032),Rxrg(+32142)	N/A
Chr1	167648613	167648891	Chr1.138936	Lmx1a(-40806),Rxrg(+50368)	N/A
Chr1	167660945	167661257	Chr1.138957	Lmx1a(-28457),Rxrg(+62717)	N/A
Chr1	167689331	167689134	Chr1.138960	Lmx1a(-475)	N/A
Chr1	167689510	167689694	Chr1.138962	Lmx1a(+39)	N/A
Chr1	167734453	167734728	Chr1.139061	Lmx1a(+45033),Pbx1(+697306)	N/A
Chr1	167754622	167754740	Chr1.139099	Lmx1a(+65123),Pbx1(+677216)	N/A
Chr1	167761732	167762230	Chr1.139113	Lmx1a(+72423),Pbx1(+669916)	N/A
Chr1	167770576	167770720	Chr1.139131	Lmx1a(+81090),Pbx1(+681249)	N/A
Chr1	167802867	167803067	Chr1.139170	Lmx1a(+113409),Pbx1(+628850)	N/A
Chr1	167854960	167855115	Chr1.139231	Lmx1a(+165480),Pbx1(+578659)	N/A

Chr1	167877973	167878388	Chr1.139253	Lmx1a(+186623),Pbx1(+553716)	N/A
Chr1	167888458	167888695	Chr1.139270	Lmx1a(+190019),Pbx1(+543320)	N/A
Chr1	167888905	167889076	Chr1.139272	Lmx1a(+199433),Pbx1(+542908)	N/A
Chr1	167923895	167923983	Chr1.139307	Lmx1a(+240337),Pbx1(+502029)	N/A
Chr1	168010910	168011067	Chr1.139372	Lmx1a(+321431),Pbx1(+420908)	N/A
Chr1	168133527	168133653	Chr1.139483	Pbx1(+298307),Lmx1a(+444032)	N/A
Chr1	168163674	168163865	Chr1.139525	Pbx1(+268127),Lmx1a(+474212)	N/A
Chr1	168164605	168164852	Chr1.139530	Pbx1(+267168),Lmx1a(+475171)	N/A
Chr1	168180755	168180860	Chr1.139550	Pbx1(+251089),Lmx1a(+491250)	N/A
Chr1	168181150	168181285	Chr1.139555	Pbx1(+250579),Lmx1a(+491660)	N/A
Chr1	168185908	168186040	Chr1.139570	Pbx1(+245923),Lmx1a(+496416)	N/A
Chr1	168187148	168187354	Chr1.139575	Pbx1(+244646),Lmx1a(+497693)	N/A
Chr1	168189395	168189495	Chr1.139579	Pbx1(+242452),Lmx1a(+499887)	N/A
Chr1	168189539	168189850	Chr1.139580	Pbx1(+242202),Lmx1a(+500137)	N/A
Chr1	168213643	168213786	Chr1.139637	Pbx1(+218182),Lmx1a(+524157)	N/A
Chr1	168216264	168216425	Chr1.139641	Pbx1(+215552),Lmx1a(+526787)	N/A
Chr1	168221289	168221460	Chr1.139647	Pbx1(+210522),Lmx1a(+531817)	N/A
Chr1	168221616	168221743	Chr1.139648	Pbx1(+210217),Lmx1a(+532122)	N/A
Chr1	168226265	168226483	Chr1.139656	Pbx1(+209523),Lmx1a(+536816)	N/A
Chr1	168230220	168230660	Chr1.139660	Pbx1(+201457),Lmx1a(+540852)	N/A
Chr1	168240608	168241126	Chr1.139681	Pbx1(+190880),Lmx1a(+551459)	N/A
Chr1	168241502	168241731	Chr1.139682	Pbx1(+190280),Lmx1a(+552059)	N/A
Chr1	168242098	168242221	Chr1.139686	Pbx1(+189737),Lmx1a(+552602)	N/A
Chr1	168243351	168243451	Chr1.139688	Pbx1(+188496),Lmx1a(+553843)	N/A
Chr1	168245549	168245664	Chr1.139692	Pbx1(+186290),Lmx1a(+556049)	N/A
Chr1	168245760	168245944	Chr1.139694	Pbx1(+186545),Lmx1a(+556502)	N/A
Chr1	168246880	168247202	Chr1.139698	Pbx1(+184856),Lmx1a(+557483)	N/A
Chr1	168262331	168262445	Chr1.139722	Pbx1(+169509),Lmx1a(+572830)	N/A
Chr1	168265814	168266130	Chr1.139733	Pbx1(+165925),Lmx1a(+576414)	N/A
Chr1	168269062	168269459	Chr1.139739	Pbx1(+162636),Lmx1a(+579703)	N/A
Chr1	168271359	168271536	Chr1.139744	Pbx1(+160449),Lmx1a(+581890)	N/A
Chr1	168280919	168281043	Chr1.139775	Pbx1(+150316),Lmx1a(+591423)	N/A
Chr1	168283247	168283386	Chr1.139783	Pbx1(+148580),Lmx1a(+593759)	N/A
Chr1	168286933	168287071	Chr1.139790	Pbx1(+144895),Lmx1a(+597444)	N/A
Chr1	168288026	168288572	Chr1.139794	Pbx1(+143598),Lmx1a(+598781)	N/A
Chr1	168300154	168300536	Chr1.139821	Pbx1(+131532),Lmx1a(+610787)	N/A
Chr1	168309143	168309456	Chr1.139833	Pbx1(+122597),Lmx1a(+619742)	N/A
Chr1	168309566	168309712	Chr1.139836	Pbx1(+122258),Lmx1a(+620081)	N/A
Chr1	168309822	168309990	Chr1.139838	Pbx1(+121991),Lmx1a(+620348)	N/A
Chr1	168310147	168310345	Chr1.139840	Pbx1(+121651),Lmx1a(+620688)	N/A
Chr1	168324094	168324449	Chr1.139849	Pbx1(+107625),Lmx1a(+634714)	N/A
Chr1	168325649	168325833	Chr1.139862	Pbx1(+106156),Lmx1a(+636163)	N/A
Chr1	168335018	168335128	Chr1.139884	Pbx1(+98624),Lmx1a(+645515)	N/A
Chr1	24107936	24108121	Chr1.13989	Col9a1(-69581),Fam135a(-7688)	N/A
Chr1	168348020	168348255	Chr1.139900	Pbx1(+83759),Lmx1a(+658580)	N/A
Chr1	168348412	168348678	Chr1.139903	Pbx1(+83352),Lmx1a(+658987)	N/A
Chr1	168355044	168355206	Chr1.139915	Pbx1(+76771),Lmx1a(+665568)	N/A
Chr1	168356169	168356351	Chr1.139919	Pbx1(+75637),Lmx1a(+667032)	N/A
Chr1	168368384	168368492	Chr1.139955	Pbx1(+63459),Lmx1a(+678880)	N/A
Chr1	168375576	168375753	Chr1.139967	Pbx1(+56232),Lmx1a(+686107)	N/A
Chr1	168379578	168379679	Chr1.139980	Pbx1(+52268),Lmx1a(+690071)	N/A
Chr1	168382830	168383094	Chr1.139983	Pbx1(+48935),Lmx1a(+693404)	N/A
Chr1	168385544	168385683	Chr1.139992	Pbx1(+46263),Lmx1a(+696056)	N/A
Chr1	168390901	168391000	Chr1.139994	Pbx1(+40946),Lmx1a(+701393)	N/A
Chr1	168392365	168392534	Chr1.139998	Pbx1(+39447),Lmx1a(+702892)	N/A
Chr1	168406042	168406202	Chr1.140021	Pbx1(+25775),Lmx1a(+716564)	N/A
Chr1	168410197	168410305	Chr1.140026	Pbx1(+21646),Lmx1a(+720693)	N/A
Chr1	24120463	24120601	Chr1.14003	Col9a1(-57078),Fam135a(-20191)	N/A
Chr1	168420514	168420699	Chr1.140052	Pbx1(+52390),Lmx1a(+737049)	N/A
Chr1	168426751	168426946	Chr1.140056	Pbx1(+52048),Lmx1a(+737391)	N/A
Chr1	168427080	168427297	Chr1.140058	Pbx1(+4708),Lmx1a(+737631)	N/A
Chr1	168428082	168428202	Chr1.140066	Pbx1(+3755),Lmx1a(+738584)	N/A
Chr1	168428431	168428725	Chr1.140071	Pbx1(+3319),Lmx1a(+739020)	N/A
Chr1	168428823	168428986	Chr1.140073	Pbx1(+2992),Lmx1a(+739347)	N/A
Chr1	168429652	168429755	Chr1.140075	Pbx1(+2193),Lmx1a(+740148)	N/A
Chr1	168430813	168430935	Chr1.140087	Pbx1(+1023),Lmx1a(+741316)	N/A
Chr1	168432050	168432196	Chr1.140098	Pbx1(-226)	N/A
Chr1	168432941	168433121	Chr1.140104	Pbx1(-1134)	N/A
Chr1	168473244	168473585	Chr1.140118	Pbx1(-41508)	N/A
Chr1	168473678	168473915	Chr1.140122	Pbx1(-41900)	N/A
Chr1	168475696	168475864	Chr1.140125	Pbx1(-43928)	N/A
Chr1	168476592	168476725	Chr1.140129	Pbx1(-44762)	N/A
Chr1	168504989	168505145	Chr1.140160	Pbx1(-73170)	N/A
Chr1	168676824	168677242	Chr1.140244	Pbx1(-245136),NuF2(+854431)	N/A
Chr1	168704391	168704489	Chr1.140263	Pbx1(-272548),NuF2(+827019)	N/A
Chr1	168709045	168709334	Chr1.140271	Pbx1(-272732),NuF2(+822274)	N/A
Chr1	168709497	168709862	Chr1.140276	Pbx1(-277783),NuF2(+821784)	N/A
Chr1	168764345	168764516	Chr1.140315	Pbx1(-332534),NuF2(+767033)	N/A
Chr1	168786294	168786449	Chr1.140319	Pbx1(-354475),NuF2(+745092)	N/A
Chr1	168786854	168786993	Chr1.140324	Pbx1(-355027),NuF2(+744540)	N/A
Chr1	168787095	168787207	Chr1.140326	Pbx1(-355254),NuF2(+744313)	N/A
Chr1	168924547	168924699	Chr1.140400	Pbx1(-492726),NuF2(+698415)	N/A
Chr1	168964725	168964861	Chr1.140408	Pbx1(-532896),NuF2(+566671)	N/A
Chr1	168965224	168965390	Chr1.140412	Pbx1(-533410),NuF2(+566157)	N/A
Chr1	168978584	168978730	Chr1.140424	Pbx1(-546760),NuF2(+552807)	N/A
Chr1	169027811	169028089	Chr1.140471	Pbx1(-596053),NuF2(+503514)	N/A
Chr1	169051358	169051470	Chr1.140498	Pbx1(-619517),NuF2(+490502)	N/A
Chr1	169051539	169051726	Chr1.140493	Pbx1(-619736),NuF2(+479831)	N/A
Chr1	169096778	169097084	Chr1.140541	Pbx1(-665034),NuF2(+434533)	N/A
Chr1	169103714	169103946	Chr1.140553	Pbx1(-671933),NuF2(+427634)	N/A
Chr1	169155590	169155851	Chr1.140591	Pbx1(-723824),NuF2(+375743)	N/A
Chr1	169156253	169156396	Chr1.140593	Pbx1(-724429),NuF2(+375138)	N/A
Chr1	169160060	169160206	Chr1.140595	Pbx1(-728236),NuF2(+371331)	N/A
Chr1	169160278	169160464	Chr1.140596	Pbx1(-728474),NuF2(+371093)	N/A
Chr1	169187576	169187681	Chr1.140613	Pbx1(-755732),NuF2(+343835)	N/A
Chr1	169187767	169187930	Chr1.140615	Pbx1(-755952),NuF2(+343615)	N/A
Chr1	169235290	169235578	Chr1.140641	Pbx1(-803537),NuF2(+296030)	N/A
Chr1	169238717	169238984	Chr1.140648	Pbx1(-806974),NuF2(+292593)	N/A
Chr1	169239134	169239279	Chr1.140650	Pbx1(-807310),NuF2(+292257)	N/A
Chr1	169254335	169254543	Chr1.140673	Pbx1(-822542),NuF2(+277025)	N/A
Chr1	169254713	169254848	Chr1.140674	Pbx1(-822884),NuF2(+276683)	N/A
Chr1	169357873	169357985	Chr1.140781	Pbx1(-926032),NuF2(+173535)	N/A
Chr1	169367444	169367670	Chr1.140782	Pbx1(-935660),NuF2(+163907)	N/A
Chr1	169418192	169418348	Chr1.140853	Pbx1(-986373),NuF2(+113194)	N/A
Chr1	169418391	169418627	Chr1.140854	Pbx1(-986612),NuF2(+112955)	N/A
Chr1	169418772	169418889	Chr1.140857	Pbx1(-986934),NuF2(+112633)	N/A
Chr1	169459054	169459254	Chr1.140883	NuF2(+72310)	N/A
Chr1	169459501	169459619	Chr1.140890	NuF2(+71904)	N/A
Chr1	169462565	169462726	Chr1.140894	NuF2(+68818)	N/A
Chr1	169916798	169916938	Chr1.141177	Rgs4(-169211),Cdc190(-11795)	N/A
Chr1	169921986	169922109	Chr1.141171	Rgs4(-174406),Cdc190(-6600)	N/A
Chr1	169972305	169972425	Chr1.141237	Hsd17b7(-3124)	N/A
Chr1	169986300	169986596	Chr1.141261	Hsd17b7(-17207),Ddr2(+102496)	N/A
Chr1	170052891	170052945	Chr1.141337	Hsd17b7(-83577),Ddr2(+36126)	N/A
Chr1	170056405	170056514	Chr1.141342	Hsd17b7(-87219),Ddr2(+32484)	N/A
Chr1	170110710	170111025	Chr1.141386	Ddr2(-21924),Uap1(+64078)	N/A
Chr1	170130778	170130931	Chr1.141398	Ddr2(-41911),Uap1(+44091)	N/A
Chr1	170131283	170131458	Chr1.141403	Ddr2(-42427),Uap1(+43575)	N/A
Chr1	24219027	24219207	Chr1.141464	Col9a1(+41507),Col19a1(+368355)	N/A
Chr1	170387454	170387623	Chr1.141694	Spata46(+78736),Nos1ap(+203232)	N/A
Chr1	170424261	170424457	Chr1.141724	Spata46(+115556),Nos1ap(+655502)	N/A
Chr1	170450514	170450614	Chr1.141749	Nos1ap(+139297),Spata46(+147161)	N/A
Chr1	170460065	170460248	Chr1.141755	Nos1ap(+129704),Spata46(+151354)	N/A
Chr1	170481289	170481437	Chr1.141776	Nos1ap(+108498),Spata46(+172580)	N/A
Chr1	170512767	170512891	Chr1.141801	Nos1ap(+77032),Spata46(+204026)	N/A
Chr1	170521696	170521834	Chr1.141805	Nos1ap(+68111),Spata46(+212947)	N/A
Chr1	170522120	170522254	Chr1.141808	Nos1ap(+67674),Spata46(+213384)	N/A
Chr1	170551242	170551394	Chr1.141832	Nos1ap(+38543),Spata46(+242515)	N/A
Chr1	170580924	170581261	Chr1.141848	Nos1ap(+8768),Spata46(+272290)	N/A
Chr1	170646544	170646652	Chr1.141892	Ofm2b(+2066),Atf6(+221173)	N/A
Chr1	170654832	170655039	Chr1.141926	Ofm2b(+10454),Atf6(+212785)	N/A
Chr1	170664798	170664910	Chr1.141940	Ofm2b(+20332),Atf6(+202917)	N/A
Chr1	170718693	170718867	Chr1.142018	Ofm2b(+74248),Atf6(+148991)	N/A
Chr1	170771635	170771912	Chr1.142064	Atf6(+95997),Ofm2b(+127242)	N/A
Chr1	170773570	170773761	Chr1.142066	Atf6(+94105),Ofm2b(+129134)	N/A
Chr1	170804934	170805183	Chr1.142097	Atf6(+82712),Ofm2b(+160527)	N/A
Chr1	171129406	171129572	Chr1.142335	Ctbp126(+7928),Sdhc(+21114)	N/A
Chr1	171149695	171149873	Chr1.142361	Mpx(-927),Sdhc(+819)	N/A

Chr1	171189178	171189303 Chr1.142423	Pcp4l1(+7027),Mpz(+38530)	N/A
Chr1	171189621	171189875 Chr1.142425	Pcp4l1(+6520),Mpz(+39037)	N/A
Chr1	171193538	171193465 Chr1.142429	Pcp4l1(+2868),Mpz(+42691)	N/A
Chr1	171196261	171196412 Chr1.142440	Pcp4l1(+69)	N/A
Chr1	171222369	171222516 Chr1.142522	Apoa2(-2611),Tomm40(+71)	N/A
Chr1	171231896	171232145 Chr1.142547	Fcer1g(+2344),Apoa2(+6967)	N/A
Chr1	171248401	171248505 Chr1.142604	Adamts4(-1970),Ndufs2(-1331)	N/A
Chr1	171248568	171248668 Chr1.142605	Adamts4(-1805),Ndufs2(-1496)	N/A
Chr1	171250122	171250305 Chr1.142613	Ndufs2(-3092),Adamts4(-209)	N/A
Chr1	171250343	171250458 Chr1.142616	Ndufs2(-3278),Adamts4(-23)	N/A
Chr1	171276510	171276662 Chr1.142750	Ppox(+4600),B4gal3(+6243)	N/A
Chr1	171285716	171286051 Chr1.142824	Ppox(-4698)	N/A
Chr1	171287538	171287644 Chr1.142830	Usp21(+333)	N/A
Chr1	171287752	171287976 Chr1.142832	Usp21(+460)	N/A
Chr1	171329176	171329359 Chr1.142836	Deaf1(+123)	N/A
Chr1	171330123	171330446 Chr1.142963	Deaf1(-1140),Nrl1(+15360)	N/A
Chr1	171366940	171367041 Chr1.142945	Nectin4(-3361)	N/A
Chr1	171368117	171368243 Chr1.142950	Nectin4(-2172)	N/A
Chr1	171368640	171368773 Chr1.142953	Nectin4(-1645)	N/A
Chr1	171370266	171370508 Chr1.142954	Nectin4(-35)	N/A
Chr1	171372668	171373132 Chr1.142958	Arhgap30(-15904),Nectin4(+2698)	N/A
Chr1	171373274	171373382 Chr1.142960	Arhgap30(-15626),Nectin4(+2976)	N/A
Chr1	171374048	171374340 Chr1.142963	Arhgap30(-14760),Nectin4(+3842)	N/A
Chr1	171375657	171375878 Chr1.142978	Arhgap30(-13186),Nectin4(+5416)	N/A
Chr1	171375928	171376136 Chr1.142980	Arhgap30(-12925),Nectin4(+5677)	N/A
Chr1	171376961	171377102 Chr1.142982	Arhgap30(-11932),Nectin4(+6680)	N/A
Chr1	171387209	171387327 Chr1.143037	Arhgap30(-1686)	N/A
Chr1	171389899	171389154 Chr1.143049	Arhgap30(+118)	N/A
Chr1	171438364	171438525 Chr1.143184	F11r(+910)	N/A
Chr1	172022100	172022273 Chr1.143486	Vangl2(+6257),Slamf6(+104650)	N/A
Chr1	172027691	172027970 Chr1.143495	Vangl2(+613)	N/A
Chr1	172049588	172049710 Chr1.143503	Vangl2(-21205),Nhlh1(+7924)	N/A
Chr1	172057254	172057455 Chr1.143521	Nhlh1(+218)	N/A
Chr1	172057784	172057919 Chr1.143526	Nhlh1(-279)	N/A
Chr1	172058938	172059268 Chr1.143528	Nhlh1(-1530)	N/A
Chr1	172060793	172060923 Chr1.143531	Nhlh1(-3285)	N/A
Chr1	172064845	172065064 Chr1.143536	Ccap1(-1574),Nhlh1(-7382)	N/A
Chr1	172095277	172095581 Chr1.143642	Pex19(-31326),Ncatn(-12634)	N/A
Chr1	172108000	172108216 Chr1.143666	Ncatn(-25313),Pex19(-18647)	N/A
Chr1	172149219	172149361 Chr1.143749	Dcaf8(+1275),Pea15a(+57514)	N/A
Chr1	172196285	172196416 Chr1.143808	Pea15a(+10453),Dcaf8(+48336)	N/A
Chr1	172197026	172197133 Chr1.143813	Pea15a(+9724),Dcaf8(+49069)	N/A
Chr1	172201258	172201427 Chr1.143820	Pea15a(+5461),Dcaf8(+53328)	N/A
Chr1	172202387	172202525 Chr1.143832	Pea15a(+4348),Dcaf8(+54441)	N/A
Chr1	172203717	172203820 Chr1.143836	Pea15a(+3035),Dcaf8(+55754)	N/A
Chr1	172205301	172205400 Chr1.143838	Pea15a(+1453),Dcaf8(+57336)	N/A
Chr1	172209863	172210006 Chr1.143842	Pea15a(-3131)	N/A
Chr1	172219876	172220030 Chr1.143882	Casr1(+85)	N/A
Chr1	172221785	172221911 Chr1.143889	Casr1(-1980)	N/A
Chr1	172297976	172298127 Chr1.144102	Atp1a2(+12)	N/A
Chr1	172299785	172299928 Chr1.144104	Atp1a2(-1793)	N/A
Chr1	172302945	172303142 Chr1.144111	Atp1a2(-4980)	N/A
Chr1	172306992	172307096 Chr1.144115	Atp1a2(-8980),Igsf8(-3223)	N/A
Chr1	172313993	172314194 Chr1.144132	Igsf8(+1727),Kcnj9(+15169)	N/A
Chr1	172315083	172315302 Chr1.144138	Igsf8(+2826),Kcnj9(+14070)	N/A
Chr1	172329219	172329462 Chr1.144223	Kcnj9(-78)	N/A
Chr1	172349966	172350166 Chr1.144251	Pigm(-26465),Kcnj10(+8856)	N/A
Chr1	172350699	172350814 Chr1.144255	Pigm(-26774),Kcnj10(+9547)	N/A
Chr1	172370280	172370383 Chr1.144314	Pigm(-6199),Kcnj10(+29122)	N/A
Chr1	172452067	172452283 Chr1.144390	Igsf9(-139)	N/A
Chr1	172485849	172485978 Chr1.144403	Tagh2(-14133),Igsf9(+3600)	N/A
Chr1	172486471	172486625 Chr1.144407	Tagh2(-13499),Igsf9(+4234)	N/A
Chr1	172507128	172507286 Chr1.144552	Clap45(-13837),Tagh2(+7160)	N/A
Chr1	172514007	172514188 Chr1.144568	Clap45(-6947),Tagh2(+14050)	N/A
Chr1	172525241	172525342 Chr1.144573	Vsig8(-30646),Clap45(+4248)	N/A
Chr1	172525562	172525704 Chr1.144576	Vsig8(-30305),Clap45(+5489)	N/A
Chr1	172525980	172526094 Chr1.144579	Vsig8(-29901),Clap45(+4993)	N/A
Chr1	172562501	172562602 Chr1.144683	Vsig8(+6614),Slamf6(+28016)	N/A
Chr1	24367785	24367892 Chr1.14484	Col9a1(+190229),Col19a1(+219633)	N/A
Chr1	173334825	173334949 Chr1.145233	Acr1(-1384)	N/A
Chr1	173359625	173359959 Chr1.145312	Cadm3(-7903),Aim2(+8913)	N/A
Chr1	173367850	173368003 Chr1.145338	Cadm3(-232)	N/A
Chr1	173389836	173390053 Chr1.145363	Cadm3(-22250),Ifi214(+146012)	N/A
Chr1	173390167	173390330 Chr1.145368	Cadm3(-22554),Ifi214(+145708)	N/A
Chr1	173419774	173419943 Chr1.145376	Cadm3(-52164),Ifi214(+116098)	N/A
Chr1	174649244	174649732 Chr1.146177	Fmn2(+14763),Grem2(+272331)	N/A
Chr1	174655134	174655296 Chr1.146183	Fmn2(+153390),Grem2(+266604)	N/A
Chr1	174659685	174660035 Chr1.146198	Fmn2(+158035),Grem2(+261959)	N/A
Chr1	174676274	174676573 Chr1.146212	Fmn2(+174599),Grem2(+245395)	N/A
Chr1	174839350	174839499 Chr1.146365	Grem2(-82394),Fmn2(+337600)	N/A
Chr1	174860573	174860734 Chr1.146391	Grem2(+61165),Fmn2(+358629)	N/A
Chr1	175025698	175025947 Chr1.146509	Grem2(-103999),Rgs7(+465312)	N/A
Chr1	175028726	175028827 Chr1.146513	Grem2(-108958),Rgs7(+462353)	N/A
Chr1	175035591	175035864 Chr1.146524	Grem2(-113909),Rgs7(+455402)	N/A
Chr1	175035923	175036081 Chr1.146525	Grem2(-114183),Rgs7(+455128)	N/A
Chr1	24520327	24550401 Chr1.14677	Col19a1(+37153),Col9a1(+372709)	N/A
Chr1	24587338	24587580 Chr1.14717	Col19a1(+23)	N/A
Chr1	176213598	176213831 Chr1.147236	Rbm8a2(-234601),Pld5(+61583)	N/A
Chr1	176249082	176249318 Chr1.147251	Rbm8a2(-270086),Pld5(+26098)	N/A
Chr1	24589800	24589970 Chr1.14732	Col19a1(-2413)	N/A
Chr1	176734996	176735269 Chr1.147452	Pld5(-459835),Cap170(+71991)	N/A
Chr1	176814034	176814134 Chr1.147582	Sdccag8(-576)	N/A
Chr1	176814175	176814290 Chr1.147584	Sdccag8(-427)	N/A
Chr1	176879795	176879963 Chr1.147676	Sdccag8(+65219),Akt3(+378324)	N/A
Chr1	176880231	176880386 Chr1.147679	Sdccag8(+65649),Akt3(+377894)	N/A
Chr1	176885314	176885491 Chr1.147683	Sdccag8(+70743),Akt3(+372800)	N/A
Chr1	176922781	176922916 Chr1.147726	Sdccag8(+108310),Akt3(+335233)	N/A
Chr1	176927496	176927739 Chr1.147740	Sdccag8(+112853),Akt3(+330596)	N/A
Chr1	176930961	176931104 Chr1.147754	Sdccag8(+116383),Akt3(+327160)	N/A
Chr1	176931767	176931902 Chr1.147761	Sdccag8(+117175),Akt3(+326368)	N/A
Chr1	176933191	176933855 Chr1.147773	Sdccag8(+118863),Akt3(+324680)	N/A
Chr1	176994204	176994449 Chr1.147872	Sdccag8(+179676),Akt3(+263876)	N/A
Chr1	176994781	176995138 Chr1.147876	Sdccag8(+180300),Akt3(+263243)	N/A
Chr1	176996945	176997225 Chr1.147884	Sdccag8(+182375),Akt3(+261168)	N/A
Chr1	176999071	176999481 Chr1.147891	Sdccag8(+184616),Akt3(+258927)	N/A
Chr1	177005198	177005304 Chr1.147897	Sdccag8(+190591),Akt3(+252952)	N/A
Chr1	177010966	177011136 Chr1.147901	Sdccag8(+196391),Akt3(+247152)	N/A
Chr1	177015287	177015427 Chr1.147916	Sdccag8(+200697),Akt3(+242846)	N/A
Chr1	177051384	177051711 Chr1.147984	Akt3(+266655),Sdccag8(+236888)	N/A
Chr1	177248668	177249076 Chr1.148096	Akt3(+9331),Sdccag8(+54212)	N/A
Chr1	177257268	177257447 Chr1.148108	Akt3(+845)	N/A
Chr1	177322893	177323048 Chr1.148169	Zbtb18(-121690),Akt3(-64768)	N/A
Chr1	177347223	177347354 Chr1.148190	Zbtb18(-97372),Akt3(-89086)	N/A
Chr1	177362064	177362299 Chr1.148247	Akt3(-123979),Zbtb18(-62479)	N/A
Chr1	177411745	177411866 Chr1.148270	Akt3(-133603),Zbtb18(-32855)	N/A
Chr1	177440966	177441151 Chr1.148317	Zbtb18(-3602)	N/A
Chr1	177443854	177444099 Chr1.148333	Zbtb18(-684)	N/A
Chr1	177444169	177444419 Chr1.148337	Zbtb18(-367)	N/A
Chr1	177444454	177444556 Chr1.148340	Zbtb18(-156)	N/A
Chr1	177444712	177445063 Chr1.148342	Zbtb18(+227)	N/A
Chr1	177445409	177445871 Chr1.148345	Zbtb18(+979)	N/A
Chr1	177446426	177446573 Chr1.148349	1700016c15rik(-283314),Zbtb18(+1839)	N/A
Chr1	177446762	177446888 Chr1.148353	1700016c15rik(-282989),Zbtb18(+2164)	N/A
Chr1	177458600	177458788 Chr1.148399	1700016c15rik(-271120),Zbtb18(+14033)	N/A
Chr1	177458841	177458988 Chr1.148401	1700016c15rik(-270899),Zbtb18(+14254)	N/A
Chr1	177479467	177479605 Chr1.148423	1700016c15rik(-250278),Zbtb18(+34875)	N/A
Chr1	177501267	177501372 Chr1.148483	1700016c15rik(-228494),Zbtb18(-56659)	N/A
Chr1	177518068	177518184 Chr1.148511	1700016c15rik(-211688),Zbtb18(+73465)	N/A
Chr1	177518961	177519177 Chr1.148517	1700016c15rik(-210745),Zbtb18(+74408)	N/A
Chr1	177519223	177519354 Chr1.148522	1700016c15rik(-210525),Zbtb18(+74628)	N/A
Chr1	177519392	177519503 Chr1.148525	1700016c15rik(-210366),Zbtb18(+74787)	N/A
Chr1	177562221	177562540 Chr1.148560	1700016c15rik(-167433),Zbtb18(+117220)	N/A
Chr1	177595199	177595433 Chr1.148614	1700016c15rik(-134498),Zbtb18(+150655)	N/A
Chr1	177605596	177605790 Chr1.148618	1700016c15rik(-124121),Zbtb18(+161032)	N/A
Chr1	177638551	177637002 Chr1.148663	1700016c15rik(-92887),Zbtb18(+192266)	N/A
Chr1	177640372	177640494 Chr1.148666	1700016c15rik(-89381),Zbtb18(+195772)	N/A
Chr1	177670015	177670226 Chr1.148681	1700016c15rik(-59693),Zbtb18(-226460)	N/A
Chr1	177684493	177684799 Chr1.148684	1700016c15rik(-45168),Zbtb18(+239965)	N/A

Chr1	177718834	177719049	Chr1.148707	1700016c15rik(-10872), Zbtb18(+274281)	N/A
Chr1	178187679	178187679	Chr1.148868	Des2(+70)	N/A
Chr1	178218625	178219108	Chr1.148872	Gm5962(-37086), Des2(+31455)	N/A
Chr1	178219845	178219969	Chr1.148874	Gm5963(-36196), Des2(+32375)	N/A
Chr1	178334283	178334422	Chr1.148962	Hmnpu(+3444), Cox20(+15223)	N/A
Chr1	178335201	178335490	Chr1.148965	Hmnpu(+2451), Cox20(+16216)	N/A
Chr1	178527928	178528093	Chr1.149028	Klf26b(+1114)	N/A
Chr1	178528521	178528681	Chr1.149030	Klf26b(-524)	N/A
Chr1	178529392	178529397	Chr1.149035	Klf26b(+220)	N/A
Chr1	178531177	178531341	Chr1.149049	Klf26b(+2134), Smyd3(+966775)	N/A
Chr1	178553646	178553882	Chr1.149082	Klf26b(+24639), Smyd3(+964270)	N/A
Chr1	178553938	178554103	Chr1.149087	Klf26b(+24896), Smyd3(+964013)	N/A
Chr1	178567300	178567477	Chr1.149100	Klf26b(+38264), Smyd3(+950645)	N/A
Chr1	178568784	178568982	Chr1.149102	Klf26b(+39758), Smyd3(+949151)	N/A
Chr1	178569133	178569364	Chr1.149104	Klf26b(+40124), Smyd3(+948755)	N/A
Chr1	178573615	178573820	Chr1.149111	Klf26b(+44593), Smyd3(+944316)	N/A
Chr1	178577078	178577215	Chr1.149114	Klf26b(+48022), Smyd3(+940887)	N/A
Chr1	178600730	178600992	Chr1.149135	Klf26b(+71736), Smyd3(+917173)	N/A
Chr1	178610503	178610684	Chr1.149149	Klf26b(+81469), Smyd3(+907440)	N/A
Chr1	178619038	178619273	Chr1.149161	Klf26b(+90031), Smyd3(+868878)	N/A
Chr1	178627084	178627296	Chr1.149169	Klf26b(+90065), Smyd3(+890844)	N/A
Chr1	178632047	178632245	Chr1.149172	Klf26b(+103021), Smyd3(+885888)	N/A
Chr1	178635524	178635729	Chr1.149179	Klf26b(+106502), Smyd3(+882407)	N/A
Chr1	178639080	178639187	Chr1.149185	Klf26b(+110009), Smyd3(+878900)	N/A
Chr1	178652103	178652207	Chr1.149204	Klf26b(+123030), Smyd3(+865879)	N/A
Chr1	178653711	178653832	Chr1.149236	Klf26b(+15464), Smyd3(+834262)	N/A
Chr1	178685326	178685478	Chr1.149240	Klf26b(+156277), Smyd3(+832632)	N/A
Chr1	178700421	178700697	Chr1.149251	Klf26b(+171434), Smyd3(+817475)	N/A
Chr1	178733237	178733400	Chr1.149309	Klf26b(+204194), Smyd3(+784715)	N/A
Chr1	178744483	178744746	Chr1.149322	Klf26b(+215490), Smyd3(+773419)	N/A
Chr1	178790178	178790327	Chr1.149364	Klf26b(+267128), Smyd3(+727781)	N/A
Chr1	178798524	178798693	Chr1.149384	Klf26b(+265569), Smyd3(+719340)	N/A
Chr1	178800054	178800171	Chr1.149395	Klf26b(+270988), Smyd3(+717921)	N/A
Chr1	178800930	178801030	Chr1.149401	Klf26b(+271855), Smyd3(+717054)	N/A
Chr1	178803118	178803297	Chr1.149406	Klf26b(+274083), Smyd3(+714826)	N/A
Chr1	178843017	178843130	Chr1.149459	Klf26b(+313945), Smyd3(+674960)	N/A
Chr1	178861220	178861417	Chr1.149486	Klf26b(+332194), Smyd3(+676519)	N/A
Chr1	25033809	25033979	Chr1.14950	Lmbd1(+355350), Adgrb3(+795813)	N/A
Chr1	178870973	178871090	Chr1.149534	Klf26b(+341907), Smyd3(+647002)	N/A
Chr1	178871161	178871366	Chr1.149537	Klf26b(+342139), Smyd3(+646770)	N/A
Chr1	178886756	178886876	Chr1.149568	Klf26b(+357691), Smyd3(+631218)	N/A
Chr1	178932312	178932418	Chr1.149582	Klf26b(+403249), Smyd3(+585669)	N/A
Chr1	178942446	178942573	Chr1.149762	Klf26b(+413385), Smyd3(+575524)	N/A
Chr1	178953108	178953277	Chr1.149770	Klf26b(+424068), Smyd3(+564841)	N/A
Chr1	178961079	178961202	Chr1.149779	Klf26b(+432016), Smyd3(+556893)	N/A
Chr1	178968363	178968477	Chr1.149788	Klf26b(+439295), Smyd3(+549614)	N/A
Chr1	178974586	178974808	Chr1.149797	Klf26b(+445572), Smyd3(+543337)	N/A
Chr1	178989192	178989486	Chr1.149802	Klf26b(+460214), Smyd3(+528962)	N/A
Chr1	178998297	178998451	Chr1.149815	Klf26b(+469249), Smyd3(+519660)	N/A
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Chr1	179042047	179042261	Chr1.149869	Smyd3(+475880), Klf26b(+513029)	N/A
Chr1	179046513	179046634	Chr1.149886	Smyd3(+471460), Klf26b(+517449)	N/A
Chr1	179046825	179046975	Chr1.149891	Smyd3(+471134), Klf26b(+517775)	N/A
Chr1	179059025	179059189	Chr1.149900	Smyd3(+458922), Klf26b(+520985)	N/A
Chr1	179059389	179059558	Chr1.149905	Smyd3(+458560), Klf26b(+530349)	N/A
Chr1	179061903	179062115	Chr1.149913	Smyd3(+456025), Klf26b(+532884)	N/A
Chr1	179073949	179074054	Chr1.149926	Smyd3(+444032), Klf26b(+544877)	N/A
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Chr1	179103670	179103760	Chr1.149952	Smyd3(+471134), Klf26b(+517775)	N/A
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Chr1	179126465	179126585	Chr1.149974	Smyd3(+391509), Klf26b(+597400)	N/A
Chr1	179126715	179126842	Chr1.149978	Smyd3(+391255), Klf26b(+597654)	N/A
Chr1	179141503	179141611	Chr1.149993	Smyd3(+376477), Klf26b(+612432)	N/A
Chr1	179143252	179143572	Chr1.149998	Smyd3(+374622), Klf26b(+614287)	N/A
Chr1	179168717	179168917	Chr1.150021	Smyd3(+349117), Klf26b(+639769)	N/A
Chr1	179197261	179197505	Chr1.150045	Smyd3(+320651), Klf26b(+686258)	N/A
Chr1	179198603	179198730	Chr1.150055	Smyd3(+319367), Klf26b(+669542)	N/A
Chr1	179221404	179221747	Chr1.150066	Smyd3(+296458), Klf26b(+692451)	N/A
Chr1	179254792	179254899	Chr1.150101	Smyd3(+263188), Klf26b(+728721)	N/A
Chr1	179274778	179274972	Chr1.150124	Smyd3(+243159), Klf26b(+749750)	N/A
Chr1	179286054	179286131	Chr1.150153	Smyd3(+221966), Klf26b(+768943)	N/A
Chr1	179388395	179388574	Chr1.150263	Smyd3(+129549), Klf26b(+859360)	N/A
Chr1	179399921	179400184	Chr1.150279	Smyd3(+117981), Klf26b(+870928)	N/A
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Chr1	179441073	179441197	Chr1.150320	Smyd3(+76899), Klf26b(+912070)	N/A
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Chr1	179458271	179458421	Chr1.150336	Smyd3(+59868), Klf26b(+929223)	N/A
Chr1	179458466	179458797	Chr1.150338	Smyd3(+59402), Klf26b(+929507)	N/A
Chr1	179488005	179488110	Chr1.150359	Smyd3(+29976), Klf26b(+958933)	N/A
Chr1	179854056	179854204	Chr1.150774	Cdc42bpa(-106455), Ahctf1(-50450)	N/A
Chr1	179854501	179854638	Chr1.150779	Cdc42bpa(-10615), Ahctf1(-50890)	N/A
Chr1	179864777	179864720	Chr1.150798	Cdc42bpa(-93866), Ahctf1(-50890)	N/A
Chr1	179887766	179888992	Chr1.150827	Ahctf1(-8519), Cdc42bpa(-71705)	N/A
Chr1	179960448	179960616	Chr1.150891	Cdc42bpa(-53)	N/A
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Chr1	180155794	180156006	Chr1.151030	Cox8a(+40120), Cdc42bpa(+195315)	N/A
Chr1	180165215	180165328	Chr1.151061	Cox8a(+30748), Cdc42bpa(+204687)	N/A
Chr1	180193641	180193805	Chr1.151136	Cox8a(-2297), Cdc42bpa(+233138)	N/A
Chr1	180279808	180279951	Chr1.151201	Itpkb(-50605), Psen2(-26742)	N/A
Chr1	180284231	180284383	Chr1.151206	Itpkb(-46178), Psen2(-31169)	N/A
Chr1	180307721	180307826	Chr1.151220	Psen2(-54636), Itpkb(-22711)	N/A
Chr1	180343707	180343842	Chr1.151282	Gm5069(-13225), Stum(+139692)	N/A
Chr1	180344040	180344148	Chr1.151285	Gm5069(-13544), Stum(+139379)	N/A
Chr1	180354307	180354452	Chr1.151295	Gm5069(-23830), Stum(+129087)	N/A
Chr1	180356332	180356484	Chr1.151299	Gm5069(-25858), Stum(+127059)	N/A
Chr1	180374358	180374472	Chr1.151310	Gm5069(-43865), Stum(+109052)	N/A
Chr1	180390539	180390720	Chr1.151320	Gm5069(-60080), Stum(+92837)	N/A
Chr1	180393177	180393304	Chr1.151328	Gm5069(-62691), Stum(+92226)	N/A
Chr1	180402748	180402876	Chr1.151331	Gm5069(-72262), Stum(+80655)	N/A
Chr1	180407585	180407754	Chr1.151346	Gm5069(-77120), Stum(+75797)	N/A
Chr1	25166559	25166755	Chr1.15138	Lmbd1(+488113), Adgrb3(+663050)	N/A
Chr1	180460782	180460891	Chr1.151410	Gm5069(-130287), Stum(+22630)	N/A
Chr1	180510530	180510663	Chr1.151436	Parp1(-58358), Stum(-27130)	N/A
Chr1	180541965	180542086	Chr1.151444	Stum(-58559), Parp1(-26929)	N/A
Chr1	25178629	25178749	Chr1.15157	Lmbd1(+500145), Adgrb3(+651018)	N/A
Chr1	180702947	180703103	Chr1.151622	Acdb3(-23018), Mxi1(-5991)	N/A
Chr1	180776105	180776314	Chr1.151683	H3f3a(+37422), Acdb3(+50167)	N/A
Chr1	180808855	180809019	Chr1.151693	H3f3a(+4695), Acdb3(+82894)	N/A
Chr1	180812697	180812853	Chr1.151708	H3f3a(+657)	N/A
Chr1	180812657	180813214	Chr1.151710	H3f3a(+549)	N/A
Chr1	180831395	180831586	Chr1.151720	Sde2(-19660), H3f3a(-17859)	N/A
Chr1	180848675	180848780	Chr1.151732	Sde2(-2423)	N/A
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Chr1	180890284	180890384	Chr1.151787	Lefty2(-2774)	N/A
Chr1	25204850	25204981	Chr1.151894	Lmbd1(+528372), Adgrb3(+624791)	N/A
Chr1	181209724	181209878	Chr1.152213	Wdr26(+1751), Cnih3(-58870)	N/A
Chr1	181210706	181210818	Chr1.152217	Wdr26(+790)	N/A
Chr1	181420148	181420294	Chr1.152298	Cnih3(+67593), Cdc121(+91230)	N/A
Chr1	181433373	181433487	Chr1.152309	Cdc121(+78021), Cnih3(+80802)	N/A
Chr1	181538440	181538504	Chr1.152343	Enah1(-206034), Cdc121(-23551)	N/A
Chr1	25228190	25228366	Chr1.15245	Lmbd1(+549734), Adgrb3(+601429)	N/A
Chr1	181896634	181896768	Chr1.152790	Lbr(-54300), Enah(+123279)	N/A
Chr1	181903302	181903458	Chr1.152799	Lbr(-60979), Enah(+116600)	N/A
Chr1	181935471	181935852	Chr1.152885	Lbr(-93261), Enah(+84318)	N/A
Chr1	181937143	181937254	Chr1.152893	Lbr(-94798), Enah(+82781)	N/A
Chr1	181983701	181983813	Chr1.152911	Lbr(-15358), Enah(+26223)	N/A
Chr1	182018291	182018638	Chr1.152925	Lbr(-176064), Enah(+1515)	N/A
Chr1	182021703	182021896	Chr1.152937	Enah(-1820)	N/A
Chr1	182050009	182050115	Chr1.152953	Srp9(-74688), Enah(-30082)	N/A
Chr1	182052842	182052982	Chr1.152958	Srp9(-71838), Enah(-32932)	N/A
Chr1	182053157	182053262	Chr1.152961	Srp9(-71540), Enah(-33230)	N/A
Chr1	182058113	182058390	Chr1.152976	Srp9(-66498), Enah(-38273)	N/A
Chr1	182086662	182086954	Chr1.152983	Enah(-66828), Srp9(-37942)	N/A
Chr1	182095188	182095305	Chr1.153001	Enah(-75267), Srp9(-29503)	N/A
Chr1	182095525	182095632	Chr1.153004	Enah(-75599), Srp9(-29171)	N/A
Chr1	182100757	182100859	Chr1.153007	Enah(-80828), Srp9(-29942)	N/A
Chr1	182102721	182102861	Chr1.153010	Enah(-82811), Srp9(-21959)	N/A
Chr1	182114147	182114284	Chr1.153028	Enah(-94236), Srp9(-10534)	N/A

Chr1	182316146	182316252	Chr1.153100	Degs1(-33395),Fbro28(+25407)	N/A
Chr1	182412132	182412250	Chr1.153145	Gm10517(-3171),Tip53bp2(+3019)	N/A
Chr1	182645170	182645283	Chr1.153551	Capn8(+80220),Cdc618b(+103953)	N/A
Chr1	182702868	182703042	Chr1.153609	Trf5(-161833),Susd4(+28050)	N/A
Chr1	182802982	182803193	Chr1.153622	Trf5(-151700),Susd4(+38193)	N/A
Chr1	182823927	182824143	Chr1.153638	Trf5(-130753),Susd4(+59140)	N/A
Chr1	183113737	183113941	Chr1.153998	Disp1(+107690),Trf5(+159051)	N/A
Chr1	183144952	183145056	Chr1.154021	Disp1(+78525),Trf5(+190216)	N/A
Chr1	183147542	183147979	Chr1.154025	Disp1(+73768),Trf5(+192973)	N/A
Chr1	183164749	183164975	Chr1.154046	Disp1(+56667),Trf5(+10074)	N/A
Chr1	183181002	183181220	Chr1.154053	Disp1(+40418),Trf5(+226323)	N/A
Chr1	183188299	183188522	Chr1.154059	Disp1(+33118),Trf5(+233623)	N/A
Chr1	183188669	183188887	Chr1.154061	Disp1(+32751),Trf5(+233990)	N/A
Chr1	183191631	183191773	Chr1.154064	Disp1(+29827),Trf5(+236914)	N/A
Chr1	183194222	183194588	Chr1.154071	Disp1(+27124),Trf5(+239617)	N/A
Chr1	183216795	183216978	Chr1.154080	Disp1(+4642),Trf5(+262099)	N/A
Chr1	183298216	183298347	Chr1.154128	Brox(-1274),Aida(+1222)	N/A
Chr1	183378537	183378728	Chr1.154282	Taf1a(-10348),Mia3(-9104)	N/A
Chr1	183442383	183442507	Chr1.154406	Hhpl2(+23942),Gm8214(+239749)	N/A
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Chr1	183511891	183511937	Chr1.154430	Hhpl2(+63311),Gm8214(+170389)	N/A
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Chr1	183781128	183781379	Chr1.154544	Gm8214(-99060),1700056e22nk(+252744)	N/A
Chr1	183783865	183784060	Chr1.154553	Gm8214(-101769),1700056e22nk(+250035)	N/A
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Chr1	183804522	183804522	Chr1.154574	Gm8214(-122353),1700056e22nk(+229551)	N/A
Chr1	184034103	184034214	Chr1.154709	Dusp10(-222),1700056e22nk(-161)	N/A
Chr1	184034301	184034580	Chr1.154712	1700056e22nk(-443),Dusp10(+60)	N/A
Chr1	184035481	184035597	Chr1.154725	1700056e22nk(-1541),Dusp10(+1158)	N/A
Chr1	184066116	184066357	Chr1.154778	Dusp10(+31896),Hlx(+666382)	N/A
Chr1	184076798	184076916	Chr1.154813	Dusp10(+42476),Hlx(+655762)	N/A
Chr1	184178315	184179472	Chr1.154855	Dusp10(+144013),Hlx(+554225)	N/A
Chr1	184244349	184244863	Chr1.154887	Dusp10(+210225),Hlx(+488013)	N/A
Chr1	184244919	184245050	Chr1.154895	Dusp10(+210604),Hlx(+487634)	N/A
Chr1	184260590	184260757	Chr1.154908	Dusp10(+226293),Hlx(+471945)	N/A
Chr1	184260817	184260976	Chr1.154914	Dusp10(+226516),Hlx(+471722)	N/A
Chr1	184261307	184261422	Chr1.154926	Dusp10(+226984),Hlx(+471254)	N/A
Chr1	184279739	184279842	Chr1.154947	Dusp10(+245410),Hlx(+452828)	N/A
Chr1	184297195	184297384	Chr1.154964	Dusp10(+262909),Hlx(+435329)	N/A
Chr1	184304420	184304642	Chr1.154986	Dusp10(+270150),Hlx(+428088)	N/A
Chr1	184308185	184308313	Chr1.154997	Dusp10(+273868),Hlx(+424370)	N/A
Chr1	184335237	184335442	Chr1.155026	Dusp10(+300959),Hlx(+397279)	N/A
Chr1	184335477	184335629	Chr1.155026	Dusp10(+301172),Hlx(+397066)	N/A
Chr1	184394364	184394536	Chr1.155089	Hlx(+338169),Dusp10(+360069)	N/A
Chr1	184394566	184394942	Chr1.155093	Hlx(+337865),Dusp10(+360373)	N/A
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Chr1	184428725	184428884	Chr1.155144	Hlx(+303814),Dusp10(+394434)	N/A
Chr1	184447208	184447312	Chr1.155168	Hlx(+285359),Dusp10(+412879)	N/A
Chr1	184471321	184471527	Chr1.155193	Hlx(+261195),Dusp10(+437043)	N/A
Chr1	184477243	184477365	Chr1.155203	Hlx(+255315),Dusp10(+442923)	N/A
Chr1	184489709	184489808	Chr1.155238	Hlx(+242860),Dusp10(+455378)	N/A
Chr1	184532330	184532630	Chr1.155274	Hlx(+200139),Dusp10(+498099)	N/A
Chr1	184532863	184533016	Chr1.155279	Hlx(+199779),Dusp10(+498459)	N/A
Chr1	184539862	184539970	Chr1.155299	Hlx(+192703),Dusp10(+505535)	N/A
Chr1	184540089	184540207	Chr1.155301	Hlx(+192471),Dusp10(+505767)	N/A
Chr1	184581871	184582120	Chr1.155351	Hlx(+150623),Dusp10(+547615)	N/A
Chr1	184621836	184622439	Chr1.155404	Hlx(+110481),Dusp10(+567757)	N/A
Chr1	184644862	184645098	Chr1.155416	Hlx(+87580),Dusp10(+610658)	N/A
Chr1	184645139	184645462	Chr1.155419	Hlx(+87518),Dusp10(+619020)	N/A
Chr1	184707998	184708144	Chr1.155501	Hlx(+24548),Dusp10(+673690)	N/A
Chr1	184749164	184749323	Chr1.155574	Hlx(-16625),Marc1(+62069)	N/A
Chr1	184775980	184776103	Chr1.155597	Hlx(-43423),Marc1(+35271)	N/A
Chr1	184896770	184896908	Chr1.155712	C13007Ag19nk(-13622),Mark1(+102709)	N/A
Chr1	184989859	184989838	Chr1.155725	C13007Ag19nk(-14731),Mark1(+101600)	N/A
Chr1	185007182	185007314	Chr1.155807	Rab3gap2(-196920),Mark1(-7699)	N/A
Chr1	185021057	185021169	Chr1.155820	Rab3gap2(-183055),Mark1(-21564)	N/A
Chr1	185483773	185483938	Chr1.156486	Slc30a10(-29008),Lyppl1(+633454)	N/A
Chr1	185520203	185520375	Chr1.156500	Slc30a10(+65441),Lyppl1(+587021)	N/A
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Chr1	185670351	185670557	Chr1.156644	Slc30a10(+215656),Lyppl1(+446806)	N/A
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Chr1	185754685	185754817	Chr1.156742	Slc30a10(+299093),Lyppl1(+362559)	N/A
Chr1	185754996	185754996	Chr1.156745	Slc30a10(+300098),Lyppl1(+362364)	N/A
Chr1	185767934	185768092	Chr1.156771	Slc30a10(+313165),Lyppl1(+349297)	N/A
Chr1	185774253	185774352	Chr1.156796	Slc30a10(+319455),Lyppl1(+343007)	N/A
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Chr1	186373515	186373773	Chr1.157544	Lyppl1(-256334),Tgfb2(+332348)	N/A
Chr1	186380468	186380763	Chr1.157557	Lyppl1(-263306),Tgfb2(+325376)	N/A
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Chr1	186440956	186440168	Chr1.157595	Lyppl1(-291752),Tgfb2(+296930)	N/A
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Chr1	186658703	186658909	Chr1.157988	Lyplal1(-541496),Tgfb2(+47186)	N/A
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Chr1	186682009	186682915	Chr1.158018	Lyplal1(-565452),Tgfb2(+23230)	N/A
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Chr1	187077160	187077334	Chr1.158528	D1pas1(+109831),Spata17(+138199)	N/A
Chr1	187327321	187327469	Chr1.158816	Esrrg(-870432),Gpatch2(+111884)	N/A
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Chr1	187378064	187378299	Chr1.158926	Esrrg(-619645),Gpatch2(+162671)	N/A
Chr1	187439613	187439731	Chr1.158973	Esrrg(-558155),Gpatch2(+224161)	N/A
Chr1	187605000	187605103	Chr1.159129	Esrrg(-392775),Gpatch2(+389541)	N/A
Chr1	187624248	187624440	Chr1.159163	Esrrg(-373463),Gpatch2(+408833)	N/A
Chr1	187636175	187636349	Chr1.159177	Esrrg(-361565),Gpatch2(+420751)	N/A
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Chr1	187676585	187676721	Chr1.159289	Esrrg(-321174),Gpatch2(+461142)	N/A
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Chr1	187787427	187787613	Chr1.159507	Esrrg(-210307),Gpatch2(+572009)	N/A
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Chr1	189710671	189706314	Chr1.162790	Ptpn14(-22025),Cenpf(-18157)	N/A
Chr1	189708748	189708916	Chr1.162801	Cenpf(-20746),Ptpn14(-19436)	N/A
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Chr1	189858701	189858804	Chr1.163026	Smyd2(+63610),Ptpn14(+130485)	N/A
Chr1	189864913	189865198	Chr1.163040	Smyd2(+57307),Ptpn14(+136788)	N/A
Chr1	189872121	189872428	Chr1.163062	Smyd2(+50088),Ptpn14(+144007)	N/A
Chr1	189886981	189886887	Chr1.163107	Smyd2(+32654),Ptpn14(+161441)	N/A
Chr1	189891056	189891328	Chr1.163114	Smyd2(+31171),Ptpn14(+162946)	N/A
Chr1	189897968	189898340	Chr1.163136	Smyd2(+24209),Ptpn14(+169886)	N/A
Chr1	189913901	189914432	Chr1.163149	Smyd2(+8196),Ptpn14(+185899)	N/A
Chr1	189914478	189914785	Chr1.163160	Smyd2(+7731),Ptpn14(+186364)	N/A
Chr1	189920908	189921264	Chr1.163174	Smyd2(+1277),Ptpn14(+192818)	N/A
Chr1	190018146	190018509	Chr1.163293	Smyd2(-95965),Prax1(+152362)	N/A
Chr1	190018636	190018742	Chr1.163296	Smyd2(-96326),Prax1(+151991)	N/A
Chr1	190061819	190061923	Chr1.163358	Smyd2(-139508),Prax1(+108809)	N/A
Chr1	190080571	190080914	Chr1.163377	Smyd2(-158380),Prax1(+89937)	N/A
Chr1	190106048	190106151	Chr1.163415	Smyd2(-183737),Prax1(+64580)	N/A
Chr1	190127403	190127536	Chr1.163474	Smyd2(-205107),Prax1(+43210)	N/A
Chr1	190127896	190128282	Chr1.163476	Smyd2(-205726),Prax1(+42581)	N/A
Chr1	190128687	190129051	Chr1.163481	Smyd2(-206506),Prax1(+41811)	N/A
Chr1	190129632	190129784	Chr1.163486	Smyd2(-207345),Prax1(+40972)	N/A
Chr1	190131407	190131515	Chr1.163491	Smyd2(-209098),Prax1(+39219)	N/A
Chr1	190138692	190138836	Chr1.163503	Smyd2(-216401),Prax1(+31916)	N/A
Chr1	190139872	190140385	Chr1.163513	Smyd2(-217616),Prax1(+30701)	N/A
Chr1	190141085	190141209	Chr1.163515	Smyd2(-218784),Prax1(+29533)	N/A

Chr1	190142595	190142754	Chr1.163525	<i>Smyd2(-220312),Prax1(+28005)</i>	N/A
Chr1	190149622	190149655	Chr1.163556	<i>Smyd2(-227096),Prax1(+21221)</i>	N/A
Chr1	1901559821	190155998	Chr1.163583	<i>Smyd2(-233547),Prax1(+14770)</i>	N/A
Chr1	190168380	190168569	Chr1.163650	<i>Smyd2(-245112),Prax1(+2205)</i>	N/A
Chr1	190169595	190169721	Chr1.163656	<i>Smyd2(-247295),Prax1(+1022)</i>	N/A
Chr1	190170624	190170833	Chr1.163661	<i>Prax1(-49)</i>	N/A
Chr1	28671172	28671462	Chr1.16372	<i>Gm597(+108935)</i>	N/A
Chr1	190207023	190207339	Chr1.163743	<i>Prax1(-36501),Rps6kc1(+704589)</i>	N/A
Chr1	190250593	190250903	Chr1.163811	<i>Prax1(-80058),Rps6kc1(+661022)</i>	N/A
Chr1	190259755	190259880	Chr1.163834	<i>Prax1(-89138),Rps6kc1(+451952)</i>	N/A
Chr1	190263880	190263994	Chr1.163839	<i>Prax1(-93257),Rps6kc1(+647833)</i>	N/A
Chr1	190270472	190270608	Chr1.163852	<i>Prax1(-99860),Rps6kc1(+641230)</i>	N/A
Chr1	190285704	190285821	Chr1.163867	<i>Prax1(-115083),Rps6kc1(+626007)</i>	N/A
Chr1	190375149	190375563	Chr1.163991	<i>Prax1(-204876),Rps6kc1(+530414)</i>	N/A
Chr1	190402258	190402858	Chr1.164052	<i>Prax1(-232100),Rps6kc1(+500990)</i>	N/A
Chr1	190444405	190444548	Chr1.164103	<i>Prax1(-273797),Rps6kc1(+467293)</i>	N/A
Chr1	190457675	190457891	Chr1.164132	<i>Prax1(-287103),Rps6kc1(+453987)</i>	N/A
Chr1	190486495	190486834	Chr1.164163	<i>Prax1(-315985),Rps6kc1(+425105)</i>	N/A
Chr1	190532648	190532945	Chr1.164222	<i>Prax1(-362117),Rps6kc1(+378973)</i>	N/A
Chr1	190533415	190533415	Chr1.164231	<i>Prax1(-362500),Rps6kc1(+378490)</i>	N/A
Chr1	190635624	190635757	Chr1.164321	<i>Prax1(-465011),Rps6kc1(+279079)</i>	N/A
Chr1	190659761	190659912	Chr1.164350	<i>Prax1(-489157),Rps6kc1(+251933)</i>	N/A
Chr1	190659997	190660303	Chr1.164354	<i>Prax1(-489470),Rps6kc1(+251620)</i>	N/A
Chr1	190661316	190661568	Chr1.164359	<i>Prax1(-490762),Rps6kc1(+250328)</i>	N/A
Chr1	190662693	190662835	Chr1.164366	<i>Prax1(-492084),Rps6kc1(+249006)</i>	N/A
Chr1	190665944	190666156	Chr1.164380	<i>Prax1(-495370),Rps6kc1(+245720)</i>	N/A
Chr1	190669174	190669377	Chr1.164386	<i>Prax1(-498596),Rps6kc1(+242494)</i>	N/A
Chr1	190681762	190681884	Chr1.164398	<i>Prax1(-511143),Rps6kc1(+229947)</i>	N/A
Chr1	190682214	190682546	Chr1.164399	<i>Prax1(-511700),Rps6kc1(+229390)</i>	N/A
Chr1	190682584	190682685	Chr1.164402	<i>Prax1(-511955),Rps6kc1(+229135)</i>	N/A
Chr1	190689989	190690105	Chr1.164412	<i>Prax1(-519387),Rps6kc1(+221723)</i>	N/A
Chr1	190690365	190690761	Chr1.164417	<i>Prax1(-519883),Rps6kc1(+221207)</i>	N/A
Chr1	190724710	190725268	Chr1.164448	<i>Prax1(-554309),Rps6kc1(+186781)</i>	N/A
Chr1	190763435	190763748	Chr1.164505	<i>Prax1(-592912),Rps6kc1(+148178)</i>	N/A
Chr1	190764017	190764141	Chr1.164509	<i>Prax1(-593399),Rps6kc1(+147691)</i>	N/A
Chr1	190764176	190764288	Chr1.164511	<i>Prax1(-593551),Rps6kc1(+147339)</i>	N/A
Chr1	190790882	190791072	Chr1.164541	<i>Prax1(-620302),Rps6kc1(+120788)</i>	N/A
Chr1	190791886	190792093	Chr1.164546	<i>Prax1(-621310),Rps6kc1(+119780)</i>	N/A
Chr1	190792135	190792265	Chr1.164551	<i>Prax1(-621520),Rps6kc1(+119570)</i>	N/A
Chr1	190796382	190796742	Chr1.164561	<i>Prax1(-625882),Rps6kc1(+115208)</i>	N/A
Chr1	190820397	190820796	Chr1.164623	<i>Prax1(-649917),Rps6kc1(+91173)</i>	N/A
Chr1	190853092	190853234	Chr1.164745	<i>Angel2(+24671),Vash2(+25835)</i>	N/A
Chr1	190879206	190879417	Chr1.164780	<i>Vash2(-314)</i>	N/A
Chr1	191020483	191020655	Chr1.164817	<i>Vash2(-41571),Flvcr1(+5621)</i>	N/A
Chr1	191111425	191111630	Chr1.164910	<i>Batf3(+13114),Fam71a(+53289)</i>	N/A
Chr1	191183498	191183649	Chr1.164997	<i>Atf3(-234)</i>	N/A
Chr1	191186061	191186193	Chr1.165003	<i>Atf3(-2787)</i>	N/A
Chr1	191242198	191242411	Chr1.165038	<i>Atf3(-58965),Nerf1(+75889)</i>	N/A
Chr1	191382441	191382709	Chr1.165135	<i>Ppp2r5a(+14466),Pacc1(+56663)</i>	N/A
Chr1	191394256	191394422	Chr1.165151	<i>Ppp2r5a(+2702),Pacc1(+68427)</i>	N/A
Chr1	191395285	191395416	Chr1.165154	<i>Ppp2r5a(+1690),Pacc1(+69439)</i>	N/A
Chr1	191421057	191421156	Chr1.165172	<i>Ppp2r5a(-24066),Dtl(+154427)</i>	N/A
Chr1	191461946	191462076	Chr1.165201	<i>Ppp2r5a(-64970),Dtl(+113523)</i>	N/A
Chr1	191470786	191470920	Chr1.165203	<i>Ppp2r5a(-73812),Dtl(+104681)</i>	N/A
Chr1	191720541	191720649	Chr1.165403	<i>Nek2(-100549),Lgatl1(+2205)</i>	N/A
Chr1	29405799	29406069	Chr1.16541	<i>Gm597(-625682)</i>	N/A
Chr1	191821386	191821512	Chr1.165478	<i>Nek2(+5)</i>	N/A
Chr1	191894358	191894514	Chr1.165547	<i>Slc30a1(-12331),Nek2(+72992)</i>	N/A
Chr1	191911230	191911408	Chr1.165589	<i>1700334h15nk(-3752)</i>	N/A
Chr1	192136614	192136811	Chr1.165727	<i>Traf5(+4154),Rccr3(+1297)</i>	N/A
Chr1	192208239	192208409	Chr1.165767	<i>Kcnh1(+17540),Hhat(+562889)</i>	N/A
Chr1	192312306	192312543	Chr1.165801	<i>Kcnh1(+121641),Hhat(+458788)</i>	N/A
Chr1	192368166	192368374	Chr1.165839	<i>Kcnh1(+177486),Hhat(+402943)</i>	N/A
Chr1	192401160	192401350	Chr1.165855	<i>Kcnh1(+210471),Hhat(+369958)</i>	N/A
Chr1	192415986	192416092	Chr1.165869	<i>Kcnh1(-223253),Hhat(-355174)</i>	N/A
Chr1	192603945	192604055	Chr1.166046	<i>Hhat(+167213),Kcnh1(+413216)</i>	N/A
Chr1	192730546	192730690	Chr1.166131	<i>Hhat(+40595),Kcnh1(+539834)</i>	N/A
Chr1	192778685	192778796	Chr1.166154	<i>Hhat(-7528),A730013g03nk(+55978)</i>	N/A
Chr1	192788266	192788370	Chr1.166163	<i>Hhat(-17105),A730013g03nk(+46401)</i>	N/A
Chr1	192789158	192789446	Chr1.166168	<i>Hhat(-18090),A730013g03nk(+45416)</i>	N/A
Chr1	192798073	192798331	Chr1.166173	<i>Hhat(-18939),A730013g03nk(+45657)</i>	N/A
Chr1	192791641	192791860	Chr1.166180	<i>Hhat(-20538),A730013g03nk(+42968)</i>	N/A
Chr1	192812346	192812528	Chr1.166207	<i>Hhat(-41224),A730013g03nk(+22282)</i>	N/A
Chr1	192822814	192823102	Chr1.166214	<i>Hhat(-51745),A730013g03nk(+11761)</i>	N/A
Chr1	192823221	192823323	Chr1.166217	<i>Hhat(-52059),A730013g03nk(+11447)</i>	N/A
Chr1	192823370	192823519	Chr1.166220	<i>Hhat(-52232),A730013g03nk(+11274)</i>	N/A
Chr1	192830573	192830764	Chr1.166226	<i>Hhat(-59456),A730013g03nk(+4050)</i>	N/A
Chr1	192833065	192833237	Chr1.166231	<i>Hhat(-61938),A730013g03nk(+1568)</i>	N/A
Chr1	192834806	192834913	Chr1.166233	<i>A730013g03nk(-141)</i>	N/A
Chr1	192835013	192835426	Chr1.166234	<i>A730013g03nk(-501)</i>	N/A
Chr1	192841201	192841476	Chr1.166243	<i>A730013g03nk(-6620),Sertad4(+14413)</i>	N/A
Chr1	192845122	192845546	Chr1.166252	<i>A730013g03nk(-10615),Sertad4(+10418)</i>	N/A
Chr1	192851384	192851580	Chr1.166285	<i>A730013g03nk(-16763),Sertad4(+4270)</i>	N/A
Chr1	192851656	192851964	Chr1.166289	<i>A730013g03nk(-17091),Sertad4(+3942)</i>	N/A
Chr1	192853253	192853376	Chr1.166296	<i>A730013g03nk(-18596),Sertad4(+2437)</i>	N/A
Chr1	192854711	192854898	Chr1.166300	<i>Sertad4(+947)</i>	N/A
Chr1	192861117	192862523	Chr1.166303	<i>Sertad4(-423)</i>	N/A
Chr1	192865689	192865769	Chr1.166306	<i>Sertad4(-1177)</i>	N/A
Chr1	192867692	192867807	Chr1.166315	<i>Sertad4(-1998)</i>	N/A
Chr1	192861469	192861774	Chr1.166322	<i>Sertad4(-5870),Sytl1(+174076)</i>	N/A
Chr1	193082466	193082640	Chr1.166491	<i>Sytl1(-46855),Utp25(+47698)</i>	N/A
Chr1	193086943	193087058	Chr1.166497	<i>Sytl1(-51253),Utp25(+43300)</i>	N/A
Chr1	193143035	193144043	Chr1.166585	<i>Ifr6(-12744),Utp25(-1017)</i>	N/A
Chr1	193156891	193157142	Chr1.166615	<i>A13001015nk(-16560),Ifr6(+3905)</i>	N/A
Chr1	193169916	193170149	Chr1.166643	<i>A13001015nk(-3544)</i>	N/A
Chr1	6760655	6761248	Chr1.1667	<i>Pcmtd1(-327968),Sl18(+273721)</i>	N/A
Chr1	193189183	193189424	Chr1.166703	<i>Traf3p3(+12242),A13001015nk(+15727)</i>	N/A
Chr1	193201443	193201579	Chr1.166737	<i>Traf3p3(+35)</i>	N/A
Chr1	193227640	193227783	Chr1.166752	<i>Traf3p3(-26166),Hsd11b1(+14879)</i>	N/A
Chr1	193243816	193243931	Chr1.166783	<i>Hsd11b1(-1283)</i>	N/A
Chr1	193264019	193264234	Chr1.166792	<i>Hsd11b1(-21536),G0s2(+9061)</i>	N/A
Chr1	193301342	193301458	Chr1.166815	<i>Lamb3(-557)</i>	N/A
Chr1	193301941	193302090	Chr1.166820	<i>Lamb3(+59)</i>	N/A
Chr1	193316072	193316202	Chr1.166837	<i>Lamb3(-14180),Camk1g(+54160)</i>	N/A
Chr1	30017815	30018086	Chr1.16695	<i>Gm9898(+702010)</i>	N/A
Chr1	193368228	193368327	Chr1.167045	<i>Camk1g(+2019),Lamb3(+66321)</i>	N/A
Chr1	193370169	193370367	Chr1.167052	<i>Camk1g(+29)</i>	N/A
Chr1	193387342	193387483	Chr1.167059	<i>Camk1g(-17116)</i>	N/A
Chr1	193389620	193389846	Chr1.167064	<i>Camk1g(-19489)</i>	N/A
Chr1	193402729	193402910	Chr1.167072	<i>Camk1g(-32523)</i>	N/A
Chr1	193433641	193433922	Chr1.167103	<i>Camk1g(-63485)</i>	N/A
Chr1	193460010	193460190	Chr1.167124	<i>Camk1g(-89803)</i>	N/A
Chr1	193466283	193466515	Chr1.167132	<i>Camk1g(-96102)</i>	N/A
Chr1	193506692	193506893	Chr1.167176	<i>Camk1g(-136496)</i>	N/A
Chr1	193508566	193508503	Chr1.167182	<i>Camk1g(-138138)</i>	N/A
Chr1	193510222	193510327	Chr1.167184	<i>Camk1g(-139978)</i>	N/A
Chr1	193518725	193518933	Chr1.167192	<i>Camk1g(-148532)</i>	N/A
Chr1	193522168	193522237	Chr1.167198	<i>Camk1g(-151956)</i>	N/A
Chr1	193527084	193527217	Chr1.167207	<i>Camk1g(-156854)</i>	N/A
Chr1	193539436	193539607	Chr1.167231	<i>Camk1g(-169225)</i>	N/A
Chr1	193542317	193542459	Chr1.167236	<i>Camk1g(-172005)</i>	N/A
Chr1	193550363	193550568	Chr1.167246	<i>Camk1g(-180169)</i>	N/A
Chr1	193552151	193552370	Chr1.167255	<i>Camk1g(-181964)</i>	N/A
Chr1	193562428	193562620	Chr1.167272	<i>Camk1g(-192227)</i>	N/A
Chr1	193564091	193564323	Chr1.167278	<i>Camk1g(-193910)</i>	N/A
Chr1	193564408	193564508	Chr1.167281	<i>Camk1g(-194151)</i>	N/A
Chr1	193565988	193566225	Chr1.167287	<i>Camk1g(-195765)</i>	N/A
Chr1	193568712	193568908	Chr1.167295	<i>Camk1g(-198513)</i>	N/A
Chr1	193576171	193576469	Chr1.167305	<i>Camk1g(-206023)</i>	N/A
Chr1	193588426	193588655	Chr1.167324	<i>Camk1g(-218199)</i>	N/A
Chr1	193589560	193589642	Chr1.167328	<i>Camk1g(-219452)</i>	N/A
Chr1	193610996	193611142	Chr1.167349	<i>Camk1g(-240772)</i>	N/A
Chr1	193662351	193662574	Chr1.167418	<i>Plxna2(-957366),Camk1g(-292166)</i>	N/A
Chr1	193672174	193672330	Chr1.167439	<i>Plxna2(-947577),Camk1g(-301955)</i>	N/A
Chr1	193689796	193690092	Chr1.167466	<i>Plxna2(-929885),Camk1g(-319647)</i>	N/A
Chr1	193703089	193703213	Chr1.167495	<i>Plxna2(-916678),Camk1g(-332854)</i>	N/A
Chr1	193785074	193785174	Chr1.167604	<i>Plxna2(-834705),Camk1g(-414827)</i>	N/A
Chr1	193785206	193785378	Chr1.167607	<i>Plxna2(-834537),Camk1g(-414995)</i>	N/A

Chr1		193876539	193876657	Chr1.167680	<i>Plxna2(-742321),Camk1g(-506301)</i>	N/A
Chr1		194034289	194034393	Chr1.167908	<i>Camk1g(-664044),Plxna2(-585488)</i>	N/A
Chr1		194110923	194161359	Chr1.168049	<i>Camk1g(-790844),Plxna2(-458688)</i>	N/A
Chr1		194202892	194203444	Chr1.168088	<i>Camk1g(-830856),Plxna2(-411466)</i>	N/A
Chr1		194223780	194223961	Chr1.168102	<i>Camk1g(-853574),Plxna2(-396958)</i>	N/A
Chr1		194226837	194227053	Chr1.168106	<i>Camk1g(-856648),Plxna2(-392884)</i>	N/A
Chr1		194231344	194231476	Chr1.168119	<i>Camk1g(-861113),Plxna2(-388419)</i>	N/A
Chr1		194232005	194232194	Chr1.168120	<i>Camk1g(-861803),Plxna2(-387729)</i>	N/A
Chr1		194314328	194314568	Chr1.168232	<i>Camk1g(-944151),Plxna2(-305381)</i>	N/A
Chr1		194335058	194335308	Chr1.168261	<i>Camk1g(-964886),Plxna2(-284646)</i>	N/A
Chr1		194420046	194420218	Chr1.168404	<i>Plxna2(-199697)</i>	N/A
Chr1		194425164	194425308	Chr1.168417	<i>Plxna2(-194593)</i>	N/A
Chr1		194496589	194496764	Chr1.168490	<i>Plxna2(-123152)</i>	N/A
Chr1		194503558	194503772	Chr1.168513	<i>Plxna2(-116164)</i>	N/A
Chr1		194508449	194508931	Chr1.168523	<i>Plxna2(-111289)</i>	N/A
Chr1		194527511	194527616	Chr1.168560	<i>Plxna2(-92265)</i>	N/A
Chr1		194578454	194578560	Chr1.168612	<i>Plxna2(-41322)</i>	N/A
Chr1		194586794	194587131	Chr1.168623	<i>Plxna2(-32866)</i>	N/A
Chr1		194588100	194588271	Chr1.168629	<i>Plxna2(-31643)</i>	N/A
Chr1		194589154	194589426	Chr1.168637	<i>Plxna2(-30539)</i>	N/A
Chr1		194598886	194599222	Chr1.168638	<i>Plxna2(-29775)</i>	N/A
Chr1		194629353	194629545	Chr1.168721	<i>Cd34(-309372),Plxna2(+9620)</i>	N/A
Chr1		194630475	194630576	Chr1.168725	<i>Cd34(-308295),Plxna2(+10697)</i>	N/A
Chr1		194635567	194635785	Chr1.168736	<i>Cd34(-303145),Plxna2(+15847)</i>	N/A
Chr1		194635826	194635972	Chr1.168738	<i>Cd34(-302922),Plxna2(+16070)</i>	N/A
Chr1		194641894	194642207	Chr1.168754	<i>Cd34(-306720),Plxna2(+22273)</i>	N/A
Chr1		194652083	194652271	Chr1.168841	<i>Cd34(-286644),Plxna2(+32348)</i>	N/A
Chr1		194658795	194658942	Chr1.168853	<i>Cd34(-279952),Plxna2(+39040)</i>	N/A
Chr1		194663164	194663415	Chr1.168862	<i>Cd34(-275531),Plxna2(+43461)</i>	N/A
Chr1		194673859	194673996	Chr1.168893	<i>Cd34(-264892),Plxna2(+54100)</i>	N/A
Chr1		194678219	194678415	Chr1.168913	<i>Cd34(-259504),Plxna2(+58488)</i>	N/A
Chr1		194680441	194680700	Chr1.168917	<i>Cd34(-258250),Plxna2(+60742)</i>	N/A
Chr1		194681265	194681421	Chr1.168922	<i>Cd34(-257478),Plxna2(+61514)</i>	N/A
Chr1		194695688	194695811	Chr1.168946	<i>Cd34(-243071),Plxna2(+75921)</i>	N/A
Chr1		194698277	194698489	Chr1.168956	<i>Cd34(-240438),Plxna2(+78554)</i>	N/A
Chr1		194699339	194699471	Chr1.168960	<i>Cd34(-239416),Plxna2(+79576)</i>	N/A
Chr1		194703362	194703584	Chr1.168971	<i>Cd34(-235348),Plxna2(+83644)</i>	N/A
Chr1		194712485	194712714	Chr1.168991	<i>Cd34(-226221),Plxna2(+92771)</i>	N/A
Chr1		194717485	194717762	Chr1.169004	<i>Cd34(-221197),Plxna2(+97795)</i>	N/A
Chr1		194720223	194720374	Chr1.169011	<i>Cd34(-218522),Plxna2(+100470)</i>	N/A
Chr1		194720461	194720609	Chr1.169013	<i>Cd34(-218286),Plxna2(+100706)</i>	N/A
Chr1		194720776	194720974	Chr1.169015	<i>Cd34(-217946),Plxna2(+101046)</i>	N/A
Chr1		194739951	194740122	Chr1.169056	<i>Cd34(-198734),Plxna2(+102026)</i>	N/A
Chr1		194740932	194741046	Chr1.169061	<i>Cd34(-197832),Plxna2(+121160)</i>	N/A
Chr1		194742957	194743219	Chr1.169065	<i>Cd34(-195733),Plxna2(+123259)</i>	N/A
Chr1		194745607	194745880	Chr1.169071	<i>Cd34(-193077),Plxna2(+125915)</i>	N/A
Chr1		194746975	194747219	Chr1.169079	<i>Cd34(-191724),Plxna2(+127268)</i>	N/A
Chr1		194758126	194758320	Chr1.169118	<i>Cd34(-180939),Plxna2(+138394)</i>	N/A
Chr1		194774088	194774188	Chr1.169169	<i>Cd34(-164683),Plxna2(+154309)</i>	N/A
Chr1		194808468	194808586	Chr1.169317	<i>Cd34(-130294),Plxna2(+188698)</i>	N/A
Chr1		194819889	194820024	Chr1.169361	<i>Cd34(-118864),Plxna2(+200128)</i>	N/A
Chr1		30536537	30536797	Chr1.169339	<i>Gm9898(+183294)</i>	N/A
Chr1		194827886	194828134	Chr1.169412	<i>Cd34(-10811),Plxna2(+308181)</i>	N/A
Chr1		30536925	30537187	Chr1.16942	<i>Gm9898(+182905)</i>	N/A
Chr1		194940791	194940970	Chr1.169423	<i>Cd34(+2060),Cd46(+151367)</i>	N/A
Chr1		194945486	194945673	Chr1.169430	<i>Cd34(+6759),Cd46(+146668)</i>	N/A
Chr1		194977601	194977701	Chr1.169483	<i>Cd34(+38830),Cd46(+114597)</i>	N/A
Chr1		194978129	194978300	Chr1.169487	<i>Cd34(+39394),Cd46(+114033)</i>	N/A
Chr1		195032163	195032351	Chr1.169598	<i>Cd46(+80001),Cd34(+93426)</i>	N/A
Chr1		195034094	195034208	Chr1.169602	<i>Cd46(+80088),Cd34(+95329)</i>	N/A
Chr1		30872944	30873049	Chr1.17221	<i>PHF3(-9741),Plp4a1(+76773)</i>	N/A
Chr1		30950614	30950894	Chr1.17260	<i>Plp4a1(-984)</i>	N/A
Chr1		31744247	31744547	Chr1.17568	<i>Khrb2a(-428409),Gm6489(+457452)</i>	N/A
Chr1		32873017	32873308	Chr1.18064	<i>Gm5415(-325870),Prim2(+796623)</i>	N/A
Chr1		33261096	33261286	Chr1.18303	<i>Gm5415(-713883),Prim2(+408810)</i>	N/A
Chr1		33460317	33460578	Chr1.18387	<i>Gm5415(-913155),Prim2(+209338)</i>	N/A
Chr1		33464796	33465060	Chr1.18398	<i>Gm5415(-917635),Prim2(+204858)</i>	N/A
Chr1		33673262	33673421	Chr1.18605	<i>Prim2(-3556),170001g17Triik(+3499)</i>	N/A
Chr1		34005390	34005551	Chr1.18886	<i>Bend6(-97655),Dsl(-6354)</i>	N/A
Chr1		34005708	34005850	Chr1.18889	<i>Bend6(-97963),Dsl(-6046)</i>	N/A
Chr1		34005854	34005955	Chr1.18902	<i>Bend6(-98789),Dsl(-5220)</i>	N/A
Chr1		34007409	34007566	Chr1.18912	<i>Dsl(-4337)</i>	N/A
Chr1		34018963	34019137	Chr1.18940	<i>Dsl(+7225),Cdc115(+420622)</i>	N/A
Chr1		34021713	34021924	Chr1.18941	<i>Dsl(+9994),Cdc115(+417853)</i>	N/A
Chr1		34114501	34114673	Chr1.18987	<i>Dsl(-102762),Cdc115(+325085)</i>	N/A
Chr1		34121237	34121528	Chr1.19011	<i>Dsl(-109603),Cdc115(+181341)</i>	N/A
Chr1		34121581	34121759	Chr1.19015	<i>Dsl(+109845),Cdc115(+318002)</i>	N/A
Chr1		34122052	34122177	Chr1.19024	<i>Dsl(+110290),Cdc115(+317557)</i>	N/A
Chr1		34150834	34151015	Chr1.19052	<i>Dsl(+139100),Cdc115(+288747)</i>	N/A
Chr1		34160004	34160238	Chr1.19073	<i>Dsl(+148296),Cdc115(+279551)</i>	N/A
Chr1		3399444	33996174	Chr1.191	<i>Xkr4(+271969)</i>	N/A
Chr1		34177969	34178370	Chr1.19160	<i>Dsl(+166345),Cdc115(+261502)</i>	N/A
Chr1		34236915	34237162	Chr1.19554	<i>Cdc115(+202633),Dsl(+225214)</i>	N/A
Chr1		34237192	34237306	Chr1.19558	<i>Cdc115(+202422),Dsl(+225425)</i>	N/A
Chr1		34237566	34238107	Chr1.19562	<i>Cdc115(+201835),Dsl(+226012)</i>	N/A
Chr1		34389092	34389296	Chr1.19839	<i>Cdc115(+50478),Dsl(+377369)</i>	N/A
Chr1		34389458	34390308	Chr1.19844	<i>Cdc115(+49939),Dsl(+377909)</i>	N/A
Chr1		34393902	343939532	Chr1.19960	<i>Cdc115(+40255),Dsl(+387592)</i>	N/A
Chr1		9554538	9554740	Chr1.1999	<i>Vxn(-46560),Adhfe1(+6691)</i>	N/A
Chr1		34801839	34801965	Chr1.20000	<i>Atgfe4(+198)</i>	N/A
Chr1		36144144	36144253	Chr1.20113	<i>Hs6st1(+75799),Uggt1(+100106)</i>	N/A
Chr1		36231494	36231656	Chr1.20209	<i>Uggt1(+12730),Hs6st1(+163175)</i>	N/A
Chr1		36299224	36299344	Chr1.20254	<i>Neur3(-25859),And5a(-8470)</i>	N/A
Chr1		36303543	36303678	Chr1.20260	<i>And5a(-4143)</i>	N/A
Chr1		36304829	36305107	Chr1.20262	<i>And5a(-2786)</i>	N/A
Chr1		36361236	36361421	Chr1.20383	<i>Kansl3(+7852),And5a(+53575)</i>	N/A
Chr1		9578715	9578890	Chr1.2061	<i>Vxn(-22389),Adhfe1(+30855)</i>	N/A
Chr1		36445262	36445408	Chr1.20690	<i>Umar2(-64)</i>	N/A
Chr1		9601236	9601679	Chr1.2080	<i>Vxn(+259)</i>	N/A
Chr1		36548425	36548530	Chr1.20938	<i>Ankrd39(-1277)</i>	N/A
Chr1		36548661	36548770	Chr1.20940	<i>Ankrd39(-1515)</i>	N/A
Chr1		36559173	36559346	Chr1.21064	<i>Sema4c(-1734)</i>	N/A
Chr1		36560184	36560290	Chr1.21069	<i>Sema4c(-2711)</i>	N/A
Chr1		36560967	36561079	Chr1.21073	<i>Sema4c(-3492)</i>	N/A
Chr1		36576832	36576977	Chr1.21102	<i>Sema4c(-19379),Fam178b(+106278)</i>	N/A
Chr1		36631483	36631590	Chr1.21162	<i>Sema4c(-74011),Fam178b(+51646)</i>	N/A
Chr1		9630682	9630799	Chr1.2138	<i>2610203c22rik(+351)</i>	N/A
Chr1		36860385	36860506	Chr1.21500	<i>Tnm131(+79080),Zap70(+98586)</i>	N/A
Chr1		37124604	37124604	Chr1.21599	<i>Vwa3b(-29069),Vwa3b(+95391)</i>	N/A
Chr1		37156843	37156822	Chr1.21649	<i>Cnga3(-63529),Vwa3b(+11889)</i>	N/A
Chr1		9659035	9659165	Chr1.2167	<i>2610203c22rik(-28008),Mybl1(+41109)</i>	N/A
Chr1		37399456	37399740	Chr1.21886	<i>Coa5(+30505),Inpp4a(+99705)</i>	N/A
Chr1		37406910	37407020	Chr1.21905	<i>Coa5(+23138),Inpp4a(+107072)</i>	N/A
Chr1		37512260	37512373	Chr1.21990	<i>Mga44a(+28699),Unc50(+82147)</i>	N/A
Chr1		37721144	37721302	Chr1.22115	<i>2010300c02rik(-1138)</i>	N/A
Chr1		37864978	37865113	Chr1.22180	<i>Tspa10(-33)</i>	N/A
Chr1		37997990	37998183	Chr1.22319	<i>Txndc9(-772),Elf5a(+77)</i>	N/A
Chr1		9701264	9701393	Chr1.2249	<i>Mybl1(-1120)</i>	N/A
Chr1		38194148	38194298	Chr1.22568	<i>Rev1(-64561),AF3(+470732)</i>	N/A
Chr1		38198618	38198770	Chr1.22578	<i>Rev1(-69052),AF3(+466261)</i>	N/A
Chr1		38247651	38247787	Chr1.22686	<i>Rev1(-118057),AF3(+477236)</i>	N/A
Chr1		38247960	38248383	Chr1.22689	<i>Rev1(-118510),AF3(+416783)</i>	N/A
Chr1		38252288	38252719	Chr1.22699	<i>Rev1(-122842),AF3(+412451)</i>	N/A
Chr1		38262369	38262826	Chr1.22721	<i>Rev1(-132936),AF3(+402357)</i>	N/A
Chr1		38263078	38263395	Chr1.22726	<i>Rev1(-133575),AF3(+401718)</i>	N/A
Chr1		38268657	38268915	Chr1.22728	<i>Rev1(-139124),AF3(+396169)</i>	N/A
Chr1		38304663	38305055	Chr1.22747	<i>Rev1(-175197),AF3(+360096)</i>	N/A
Chr1		38320216	38320565	Chr1.22773	<i>Rev1(-190729),AF3(+344564)</i>	N/A
Chr1		38358109	38358246	Chr1.22807	<i>Rev1(-228516),AF3(+306777)</i>	N/A
Chr1		38358365	38358595	Chr1.22812	<i>Rev1(-228818),AF3(+306475)</i>	N/A
Chr1		38369180	38369386	Chr1.22828	<i>Rev1(-239621),AF3(+295672)</i>	N/A
Chr1		38402539	38402627	Chr1.22971	<i>Rev1(-273021),AF3(-26272)</i>	N/A
Chr1		38410391	38410498	Chr1.22885	<i>Rev1(-280783),AF3(+254510)</i>	N/A
Chr1		38410621	38410730	Chr1.22886	<i>Rev1(-281014),AF3(+254279)</i>	N/A
Chr1		38429009	38429109	Chr1.22914	<i>Rev1(-299397),AF3(+235896)</i>	N/A
Chr1		38429166	38429277	Chr1.22917	<i>Rev1(-299560),AF3(+235733)</i>	N/A
Chr1		38436714	38436859	Chr1.22925	<i>Rev1(-307125),AF3(+228168)</i>	N/A
Chr1		38438672	38438781	Chr1.22933	<i>Rev1(-309065),AF3(+226228)</i>	N/A

Chr1	38438846	38438970	Chr1.22937	Rev1(-309246),Aff3(+226047)	N/A
Chr1	38441161	38441473	Chr1.22953	Rev1(-311655),Aff3(+223638)	N/A
Chr1	38450810	38450925	Chr1.22973	Rev1(-321206),Aff3(+214087)	N/A
Chr1	38503051	38503272	Chr1.23033	Rev1(-373500),Aff3(+161793)	N/A
Chr1	38512322	38512772	Chr1.23060	Rev1(-382885),Aff3(+152408)	N/A
Chr1	38512957	38513151	Chr1.23064	Rev1(-383392),Aff3(+151901)	N/A
Chr1	38545742	38545908	Chr1.23132	Rev1(-416163),Aff3(+119130)	N/A
Chr1	9748239	9748375	Chr1.23136	Vcnp1(+75)	N/A
Chr1	974834	9748657	Chr1.2319	Vcnp1(-214)	N/A
Chr1	38593440	38593637	Chr1.23204	Rev1(-463877),Aff3(+71416)	N/A
Chr1	38625787	38625907	Chr1.23251	Rev1(-496185),Aff3(+39108)	N/A
Chr1	38629338	38629535	Chr1.23272	Rev1(-499775),Aff3(+35518)	N/A
Chr1	38631554	38631676	Chr1.23279	Rev1(-501953),Aff3(+33340)	N/A
Chr1	38632147	38632321	Chr1.23281	Rev1(-502572),Aff3(+32721)	N/A
Chr1	38671163	38671348	Chr1.23326	Aff3(-6301),Lomf2(+164894)	N/A
Chr1	38688310	38688457	Chr1.23331	Aff3(-23429),Lomf2(+147706)	N/A
Chr1	38697221	38697542	Chr1.23337	Aff3(-32427),Lomf2(+138708)	N/A
Chr1	3875484	38757755	Chr1.23382	Aff3(-92665),Lomf2(+78470)	N/A
Chr1	38757928	38758072	Chr1.23385	Aff3(-93045),Lomf2(+78090)	N/A
Chr1	38767652	38767760	Chr1.23387	Aff3(-102751),Lomf2(+68384)	N/A
Chr1	9800706	9800899	Chr1.23440	Momd2(-107790),Sgk3(+2718)	N/A
Chr1	39025234	39025354	Chr1.23562	Npas2(-168918),Pdcl3(+37480)	N/A
Chr1	39106109	39106380	Chr1.23591	Npas2(-87967),Pdcl3(+118431)	N/A
Chr1	39192768	39192902	Chr1.23631	Npas2(-1377)	N/A
Chr1	39312036	39312189	Chr1.23705	Rp31(-65738),Npas2(+117901)	N/A
Chr1	39312564	39312757	Chr1.23707	Rp31(-65180),Npas2(+118449)	N/A
Chr1	39318060	39318200	Chr1.23716	Rp31(-49721),Npas2(+123918)	N/A
Chr1	39324979	39325079	Chr1.23739	Rp31(-42822),Npas2(+130817)	N/A
Chr1	39367853	39367980	Chr1.23825	Rp31(+66)	N/A
Chr1	39410135	39410242	Chr1.23951	Rp31(-42338),Tbc1d9(+68558)	N/A
Chr1	39441805	39441932	Chr1.23965	Tbc1d9(+36878),Rp31(+74018)	N/A
Chr1	39714224	39714346	Chr1.24127	Creg2(-63103),Rfx8(+5712)	N/A
Chr1	39730897	39731006	Chr1.24137	Rfx8(-9955),Gm3646(+74380)	N/A
Chr1	39736006	39736145	Chr1.24143	Rfx8(-15079),Gm3646(+69256)	N/A
Chr1	39746352	39746628	Chr1.24146	Rfx8(-25493),Gm3646(+58842)	N/A
Chr1	39758372	39758480	Chr1.24150	Rfx8(-37429),Gm3646(+46906)	N/A
Chr1	39868459	39868459	Chr1.24177	Gm3646(-6038),Map4k4(-32543)	N/A
Chr1	39884931	39885086	Chr1.24180	Gm3646(-79677),Map4k4(-15904)	N/A
Chr1	39902159	39902288	Chr1.24190	Itf2(-182544),Map4k4(+1311)	N/A
Chr1	39902855	39903224	Chr1.24196	Itf2(-181728),Map4k4(+2127)	N/A
Chr1	39932605	39932710	Chr1.24212	Itf2(-152110),Map4k4(+31745)	N/A
Chr1	39962490	39962804	Chr1.24242	Itf2(-122211),Map4k4(+61734)	N/A
Chr1	39970154	39970255	Chr1.24248	Itf2(-114563),Map4k4(+69292)	N/A
Chr1	40000524	40000639	Chr1.24293	Itf2(-84186),Map4k4(+99669)	N/A
Chr1	40027614	40027905	Chr1.24384	Itf2(-57008),Map4k4(+126847)	N/A
Chr1	40084686	40084824	Chr1.24393	Itf2(-13)	N/A
Chr1	40224925	40225034	Chr1.24437	Itf1(-100)	N/A
Chr1	40586832	40586995	Chr1.24700	Slc9a2(-94798),Slc9a4(+6687)	N/A
Chr1	40635080	40635197	Chr1.24769	Slc9a2(-46573),Slc9a4(+54912)	N/A
Chr1	40959226	40959486	Chr1.25111	Tmem182(+153755)	N/A
Chr1	41002170	41002410	Chr1.25181	Tmem182(+196689)	N/A
Chr1	41007121	41007399	Chr1.25188	Tmem182(+201659)	N/A
Chr1	41034732	41035034	Chr1.25213	Tmem182(+229282)	N/A
Chr1	41035094	41035679	Chr1.25216	Tmem182(+229786)	N/A
Chr1	41035925	41036060	Chr1.25229	Tmem182(+230392)	N/A
Chr1	41037650	41037774	Chr1.25237	Tmem182(+232111)	N/A
Chr1	41128234	41128397	Chr1.25325	Tmem182(+322715)	N/A
Chr1	41152436	41152570	Chr1.25358	Tmem182(+346902)	N/A
Chr1	9888671	9888674	Chr1.2536	Tcf24(-25937),Ppp142(+20390)	N/A
Chr1	41157832	41158190	Chr1.25386	Tmem182(+352410)	N/A
Chr1	9889096	9889096	Chr1.2539	Tcf24(-26192),Ppp142(+20135)	N/A
Chr1	41167643	41167764	Chr1.25403	Tmem182(+362103)	N/A
Chr1	41235677	41235824	Chr1.25479	Tmem182(+430150)	N/A
Chr1	41273210	41273345	Chr1.25518	Tmem182(+467677)	N/A
Chr1	41555891	41555997	Chr1.25733	Tmem182(+750343)	N/A
Chr1	41651796	41651955	Chr1.25835	Tmem182(+846275)	N/A
Chr1	41652804	41653036	Chr1.25840	Tmem182(+847319)	N/A
Chr1	41653066	41653315	Chr1.25845	Tmem182(+847590)	N/A
Chr1	41742488	41742710	Chr1.25903	Pou3f3(-954547),Tmem182(+938998)	N/A
Chr1	41742817	41742922	Chr1.25907	Pou3f3(-954278),Tmem182(+937272)	N/A
Chr1	41742863	41743816	Chr1.25909	Pou3f3(-955756),Tmem182(+937789)	N/A
Chr1	41808886	41809063	Chr1.25978	Pou3f3(-888171)	N/A
Chr1	41885229	41885476	Chr1.26056	Pou3f3(-811793)	N/A
Chr1	41887645	41887762	Chr1.26086	Pou3f3(-809442)	N/A
Chr1	41887830	41887980	Chr1.26070	Pou3f3(-809241)	N/A
Chr1	41888319	41888534	Chr1.26074	Pou3f3(-808719)	N/A
Chr1	41889140	41889458	Chr1.26081	Pou3f3(-807847)	N/A
Chr1	41889862	41890109	Chr1.26089	Pou3f3(-807160)	N/A
Chr1	41890301	41890410	Chr1.26096	Pou3f3(-806790)	N/A
Chr1	41891173	41891303	Chr1.26108	Pou3f3(-805908)	N/A
Chr1	41891564	41892006	Chr1.26115	Pou3f3(-805369)	N/A
Chr1	41892532	41892765	Chr1.26122	Pou3f3(-804497)	N/A
Chr1	41960431	41960736	Chr1.26198	Pou3f3(-736562)	N/A
Chr1	42026714	42026822	Chr1.26241	Pou3f3(-670378)	N/A
Chr1	42107727	42107839	Chr1.26332	Pou3f3(-589363)	N/A
Chr1	42125524	42125714	Chr1.26340	Pou3f3(-571527)	N/A
Chr1	42153351	42153452	Chr1.26383	Pou3f3(-543744)	N/A
Chr1	42207747	42207988	Chr1.26428	Pou3f3(-489278)	N/A
Chr1	42208058	42208344	Chr1.26430	Pou3f3(-488945)	N/A
Chr1	42232779	42232892	Chr1.26477	Pou3f3(-464310)	N/A
Chr1	42233244	42233678	Chr1.26481	Pou3f3(-463685)	N/A
Chr1	42236778	42236930	Chr1.26491	Pou3f3(-460292)	N/A
Chr1	42259999	42260112	Chr1.26545	Pou3f3(-437090)	N/A
Chr1	42260141	42260324	Chr1.26547	Pou3f3(-436913)	N/A
Chr1	42261786	42262004	Chr1.26554	Pou3f3(-435251)	N/A
Chr1	42262381	42262592	Chr1.26555	Pou3f3(-434659)	N/A
Chr1	42277566	42277672	Chr1.26585	Pou3f3(-419627)	N/A
Chr1	42277859	42278067	Chr1.26587	Pou3f3(-419193)	N/A
Chr1	42295173	42295682	Chr1.26594	Pou3f3(-401718)	N/A
Chr1	42295842	42296014	Chr1.26601	Pou3f3(-401218)	N/A
Chr1	42296077	42296178	Chr1.26605	Pou3f3(-401018)	N/A
Chr1	42296480	42296688	Chr1.26610	Pou3f3(-400562)	N/A
Chr1	42352710	42352920	Chr1.26655	Pou3f3(-344331)	N/A
Chr1	42398880	42399162	Chr1.26728	Pou3f3(-299125)	N/A
Chr1	42490996	42491096	Chr1.26845	Pou3f3(-206100)	N/A
Chr1	42491724	42491846	Chr1.26849	Pou3f3(-205361)	N/A
Chr1	42491948	42492084	Chr1.26851	Pou3f3(-205130)	N/A
Chr1	42504179	42504285	Chr1.26881	Pou3f3(-192914)	N/A
Chr1	42504472	42504623	Chr1.26885	Pou3f3(-192599)	N/A
Chr1	42527678	42527901	Chr1.26896	Pou3f3(-169356)	N/A
Chr1	42579597	42580013	Chr1.26963	Pou3f3(-117341)	N/A
Chr1	42628888	42629260	Chr1.27018	Pou3f3(-68072)	N/A
Chr1	42635211	42635373	Chr1.27027	Pou3f3(-61854)	N/A
Chr1	42673553	42673775	Chr1.27096	Pou3f3(-23482)	N/A
Chr1	42675001	42675126	Chr1.27102	Pou3f3(-22082)	N/A
Chr1	42685886	42686010	Chr1.27133	Pou3f3(-11198)	N/A
Chr1	42686810	42686939	Chr1.27138	Pou3f3(-10271)	N/A
Chr1	42689423	42689595	Chr1.27153	Pou3f3(-7637)	N/A
Chr1	42690015	42690159	Chr1.27158	Pou3f3(-7059)	N/A
Chr1	42693076	42693271	Chr1.27181	Pou3f3(-3972)	N/A
Chr1	42693451	42693610	Chr1.27187	Pou3f3(-3465)	N/A
Chr1	42694179	42694337	Chr1.27191	Pou3f3(-2888)	N/A
Chr1	42694960	42695065	Chr1.27194	Pou3f3(-2133)	N/A
Chr1	42695558	42695817	Chr1.27196	Pou3f3(-1458)	N/A
Chr1	42696178	42696483	Chr1.27200	Pou3f3(-825)	N/A
Chr1	42698941	42699120	Chr1.27211	Mps9(-152202),Pou3f3(+1885)	N/A
Chr1	42699782	42699885	Chr1.27218	Mps9(-151408),Pou3f3(+2678)	N/A
Chr1	42700067	42700241	Chr1.27220	Mps9(-151079),Pou3f3(+3008)	N/A
Chr1	42701277	42701517	Chr1.27224	Mps9(-149836),Pou3f3(+4251)	N/A
Chr1	42701856	42702018	Chr1.27229	Mps9(-149296),Pou3f3(+4791)	N/A
Chr1	42702108	42702327	Chr1.27232	Mps9(-149015),Pou3f3(+5072)	N/A
Chr1	42703653	42704015	Chr1.27239	Mps9(-147390),Pou3f3(+6688)	N/A
Chr1	42704447	42704753	Chr1.27245	Mps9(-146633),Pou3f3(+7454)	N/A
Chr1	42704787	42704891	Chr1.27248	Mps9(-146394),Pou3f3(+7693)	N/A
Chr1	42712780	42712942	Chr1.27262	Mps9(-138372),Pou3f3(+15715)	N/A
Chr1	42710783	42710989	Chr1.27263	Mps9(-80357),Pou3f3(+73730)	N/A
Chr1	42711638	42712371	Chr1.27368	Mps9(-79228),Pou3f3(+74859)	N/A
Chr1	42715737	42715508	Chr1.27376	Mps9(-75910),Pou3f3(+78177)	N/A

Chr1	42780415	42780545	Chr1.27393	<i>Mps9(-70753),Pou3f3(+83334)</i>	N/A
Chr1	42780623	42780857	Chr1.27396	<i>Mps9(-70493),Pou3f3(+83594)</i>	N/A
Chr1	43006177	43006369	Chr1.27538	<i>8430432a02nk(-86315),Gpr45(+53134)</i>	N/A
Chr1	43196901	43196901	Chr1.27780	<i>Nck2(-248909),Fhl2(-32661)</i>	N/A
Chr1	43360780	43360967	Chr1.27826	<i>Fhl2(-196913),Nck2(-84877)</i>	N/A
Chr1	43445316	43445456	Chr1.27849	<i>Nck2(-365)</i>	N/A
Chr1	43504320	43504550	Chr1.27863	<i>Ecr4(-226167),Nck2(+58684)</i>	N/A
Chr1	44118844	44118978	Chr1.28229	<i>Bivm(-1057),Paglu2(-103)</i>	N/A
Chr1	44552001	44552118	Chr1.28372	<i>Col3a1(-758878),Gulp1(+1149)</i>	N/A
Chr1	44732988	44773791	Chr1.28397	<i>Col3a1(-538088),Gulp1(+222019)</i>	N/A
Chr1	44778367	44778621	Chr1.28402	<i>Col3a1(-533044),Gulp1(+226983)</i>	N/A
Chr1	44778760	44779085	Chr1.28406	<i>Col3a1(-532615),Gulp1(+227412)</i>	N/A
Chr1	44803647	44803879	Chr1.28433	<i>Col3a1(-507775),Gulp1(+252252)</i>	N/A
Chr1	44810434	44810601	Chr1.28447	<i>Col3a1(-501020),Gulp1(+259007)</i>	N/A
Chr1	45021253	45021451	Chr1.28465	<i>Col3a1(-280188),Gulp1(+469841)</i>	N/A
Chr1	45042789	45042898	Chr1.28470	<i>Col3a1(-268694),Gulp1(+491333)</i>	N/A
Chr1	45042929	45043102	Chr1.28473	<i>Col3a1(-268522),Gulp1(+491505)</i>	N/A
Chr1	45043278	45043662	Chr1.28475	<i>Col3a1(-268068),Gulp1(+491959)</i>	N/A
Chr1	45276089	45276204	Chr1.28519	<i>Col3a1(-35391),Gulp1(+724636)</i>	N/A
Chr1	45276253	45276382	Chr1.28521	<i>Col3a1(-35220),Gulp1(+724607)</i>	N/A
Chr1	45290165	45290302	Chr1.28526	<i>Col3a1(-21394),Gulp1(+738723)</i>	N/A
Chr1	45296312	45296497	Chr1.28530	<i>Col3a1(-15133),Gulp1(+744694)</i>	N/A
Chr1	45299902	45300045	Chr1.28535	<i>Col3a1(-11564),Gulp1(+748463)</i>	N/A
Chr1	45309144	45309285	Chr1.28544	<i>Col3a1(-2323)</i>	N/A
Chr1	45311453	45311884	Chr1.28553	<i>Col3a1(-131)</i>	N/A
Chr1	45312040	45312230	Chr1.28558	<i>Col3a1(-597)</i>	N/A
Chr1	45313996	45314146	Chr1.28565	<i>Col3a1(-2533),Col5a2(+189211)</i>	N/A
Chr1	45315987	45316102	Chr1.28570	<i>Col3a1(+4507),Col5a2(+187237)</i>	N/A
Chr1	45316238	45316426	Chr1.28571	<i>Col3a1(+4794),Col5a2(+186950)</i>	N/A
Chr1	45320547	45320816	Chr1.28575	<i>Col3a1(+9144),Col5a2(+182600)</i>	N/A
Chr1	45356077	45356246	Chr1.28782	<i>Col3a1(-44623),Col5a2(+147119)</i>	N/A
Chr1	45356617	45356720	Chr1.28788	<i>Col3a1(+45131),Col5a2(+146813)</i>	N/A
Chr1	45419862	45419983	Chr1.28905	<i>Col5a2(-83359),Col3a1(+108385)</i>	N/A
Chr1	45473477	45473625	Chr1.28960	<i>Col5a2(+29731),Col3a1(+162013)</i>	N/A
Chr1	45481958	45482064	Chr1.28966	<i>Col5a2(+21271),Col3a1(+170473)</i>	N/A
Chr1	45483112	45483314	Chr1.28970	<i>Col5a2(-20069),Col3a1(+171675)</i>	N/A
Chr1	45492250	45492524	Chr1.28981	<i>Col5a2(-10959),Col3a1(+189849)</i>	N/A
Chr1	45502130	45502250	Chr1.28988	<i>Col5a2(+1092),Col3a1(+190652)</i>	N/A
Chr1	45503035	45503233	Chr1.28995	<i>Col5a2(+148)</i>	N/A
Chr1	45531511	45531829	Chr1.29001	<i>Wdr75(-263496),Col5a2(-28388)</i>	N/A
Chr1	45541505	45541778	Chr1.29005	<i>Wdr75(-253524),Col5a2(-38360)</i>	N/A
Chr1	45597171	45597430	Chr1.29025	<i>Wdr75(-197869),Col5a2(-94019)</i>	N/A
Chr1	45597563	45597713	Chr1.29029	<i>Wdr75(-197528),Col5a2(-94356)</i>	N/A
Chr1	45599613	45599727	Chr1.29035	<i>Wdr75(-195498),Col5a2(-96388)</i>	N/A
Chr1	45600668	45600774	Chr1.29039	<i>Wdr75(-194448),Col5a2(-97439)</i>	N/A
Chr1	45626202	45627039	Chr1.29047	<i>Wdr75(-168336),Col5a2(-123548)</i>	N/A
Chr1	45635983	45636319	Chr1.29054	<i>Col5a2(-160369),Wdr75(-131515)</i>	N/A
Chr1	45684099	45684228	Chr1.29058	<i>Col5a2(-160882),Wdr75(-131020)</i>	N/A
Chr1	45675834	45676222	Chr1.29063	<i>Col5a2(-172746),Wdr75(-119138)</i>	N/A
Chr1	45676078	45676070	Chr1.29073	<i>Col5a2(-257537),Wdr75(-34347)</i>	N/A
Chr1	45761073	45761206	Chr1.29076	<i>Col5a2(-257858),Wdr75(-34026)</i>	N/A
Chr1	45761268	45761381	Chr1.29077	<i>Col5a2(-258043),Wdr75(-33841)</i>	N/A
Chr1	45765986	45765804	Chr1.29079	<i>Col5a2(-262463),Wdr75(-29421)</i>	N/A
Chr1	45765936	45766001	Chr1.29082	<i>Col5a2(-262637),Wdr75(-29047)</i>	N/A
Chr1	45860531	45860683	Chr1.29162	<i>Slc40a1(+64987),Wdr75(+65441)</i>	N/A
Chr1	46853389	46853612	Chr1.29974	<i>Slc39a10(+545)</i>	N/A
Chr1	47037453	47037864	Chr1.30075	<i>Slc39a10(-183613)</i>	N/A
Chr1	48942472	48942673	Chr1.30826	<i>C230029f24nk(-302043)</i>	N/A
Chr1	50652063	50652169	Chr1.31156	<i>Tmeff2(-275403)</i>	N/A
Chr1	50652201	50652407	Chr1.31158	<i>Tmeff2(-275215)</i>	N/A
Chr1	10993097	10993253	Chr1.31119	<i>Prex2(-290)</i>	N/A
Chr1	10994837	10994939	Chr1.3127	<i>A83001816nk(-419224),Prex2(+1423)</i>	N/A
Chr1	50927446	50927577	Chr1.31356	<i>Tmeff2(-7)</i>	N/A
Chr1	11024660	11024818	Chr1.3157	<i>A83001816nk(-389372),Prex2(+31275)</i>	N/A
Chr1	11033314	11033541	Chr1.3163	<i>A83001816nk(-389584),Prex2(+39943)</i>	N/A
Chr1	11033686	11033895	Chr1.3169	<i>A83001816nk(-380321),Prex2(+40326)</i>	N/A
Chr1	51126272	51126382	Chr1.31706	<i>Cavin2(-162799),Tmeff2(+198808)</i>	N/A
Chr1	51148909	51149058	Chr1.31735	<i>Cavin2(-140142),Tmeff2(+221465)</i>	N/A
Chr1	51265108	51265725	Chr1.31986	<i>Cavin2(-23709),Tmeff2(+337898)</i>	N/A
Chr1	51267168	51267530	Chr1.31986	<i>Cavin2(-21773),Tmeff2(+359632)</i>	N/A
Chr1	51289203	51289429	Chr1.32028	<i>Cavin2(-610)</i>	N/A
Chr1	51288858	51289032	Chr1.32030	<i>Cavin2(-181)</i>	N/A
Chr1	51289176	51289282	Chr1.32034	<i>Cavin2(+103)</i>	N/A
Chr1	51290130	51290262	Chr1.32047	<i>Cavin2(+1070),Nabp1(+188203)</i>	N/A
Chr1	51290554	51291123	Chr1.32051	<i>Cavin2(+1713),Nabp1(+187560)</i>	N/A
Chr1	51333399	51333399	Chr1.32186	<i>Cavin2(+44193),Nabp1(+145020)</i>	N/A
Chr1	51333826	51334085	Chr1.32194	<i>Cavin2(+44830),Nabp1(+144443)</i>	N/A
Chr1	51334449	51334572	Chr1.32201	<i>Cavin2(+45385),Nabp1(+143888)</i>	N/A
Chr1	51350448	51350557	Chr1.32238	<i>Cavin2(+61377),Nabp1(+127896)</i>	N/A
Chr1	51402239	51402366	Chr1.32326	<i>Nabp1(+76096),Cavin2(+113177)</i>	N/A
Chr1	51569554	51569554	Chr1.32435	<i>Nabp1(-88105),Myo1b(+349424)</i>	N/A
Chr1	51607719	51607719	Chr1.32484	<i>Nabp1(-125219),Myo1b(-308103)</i>	N/A
Chr1	51607833	51607963	Chr1.32486	<i>Nabp1(-129498),Myo1b(-308030)</i>	N/A
Chr1	51618075	51618326	Chr1.32493	<i>Nabp1(-139802),Myo1b(+297727)</i>	N/A
Chr1	51650388	51650598	Chr1.32550	<i>Nabp1(-172094),Myo1b(+265435)</i>	N/A
Chr1	51697227	51697582	Chr1.32565	<i>Nabp1(-219006),Myo1b(+218523)</i>	N/A
Chr1	51782263	51782432	Chr1.32706	<i>Nabp1(-303499),Myo1b(+335800)</i>	N/A
Chr1	51782632	51782733	Chr1.32710	<i>Nabp1(-304284),Myo1b(+133245)</i>	N/A
Chr1	51789430	51789533	Chr1.32726	<i>Nabp1(-311083),Myo1b(+126446)</i>	N/A
Chr1	51821823	51822246	Chr1.32773	<i>Nabp1(-343636),Myo1b(+93893)</i>	N/A
Chr1	51837434	51837600	Chr1.32793	<i>Nabp1(-359118),Myo1b(+78411)</i>	N/A
Chr1	51885653	51885803	Chr1.32849	<i>Nabp1(-407319),Myo1b(+30210)</i>	N/A
Chr1	51889861	51889989	Chr1.32857	<i>Nabp1(+11526),Myo1b(+26045)</i>	N/A
Chr1	51896019	51896121	Chr1.32876	<i>Nabp1(-417671),Myo1b(-19858)</i>	N/A
Chr1	51911435	51911726	Chr1.32883	<i>Nabp1(-433182),Myo1b(+4347)</i>	N/A
Chr1	51913518	51913655	Chr1.32890	<i>Nabp1(-435188),Myo1b(+2341)</i>	N/A
Chr1	51931364	51931544	Chr1.32924	<i>Myo1b(+5526),Gm8420(+9807)</i>	N/A
Chr1	51986736	51986835	Chr1.32965	<i>Gm8420(-56525),Stat4(-1458)</i>	N/A
Chr1	51997120	51997259	Chr1.32971	<i>Gm8420(-55929),Stat4(-11054)</i>	N/A
Chr1	51997334	51997439	Chr1.32975	<i>Gm8420(-56126),Stat4(-10857)</i>	N/A
Chr1	52113829	52113933	Chr1.33077	<i>Gm3940(-22815),Stat1(-5557)</i>	N/A
Chr1	52254598	52254735	Chr1.33322	<i>Gls(-21444),Nab1(+246012)</i>	N/A
Chr1	52331602	52331817	Chr1.33384	<i>Gls(-98487),Nab1(+168969)</i>	N/A
Chr1	52332022	52332346	Chr1.33389	<i>Gls(-98961),Nab1(+168495)</i>	N/A
Chr1	52470866	52470995	Chr1.33487	<i>Gls(-237708),Nab1(+29748)</i>	N/A
Chr1	52471060	52471245	Chr1.33491	<i>Gls(-237930),Nab1(+29526)</i>	N/A
Chr1	52494939	52494974	Chr1.33540	<i>Gls(-266334),Nab1(+1122)</i>	N/A
Chr1	52501257	52501375	Chr1.33545	<i>Nab1(-637)</i>	N/A
Chr1	52502082	52502228	Chr1.33549	<i>Nab1(-1476)</i>	N/A
Chr1	52577912	52578061	Chr1.33584	<i>Nab1(-77308),Nemp2(-52718)</i>	N/A
Chr1	52578113	52578213	Chr1.33587	<i>Nab1(-77484),Nemp2(-52542)</i>	N/A
Chr1	52578600	52578719	Chr1.33592	<i>Nab1(-77981),Nemp2(-52045)</i>	N/A
Chr1	52971967	52972148	Chr1.33852	<i>Mstr(-89605),1700019d02nk(-19214)</i>	N/A
Chr1	53000133	53000253	Chr1.33877	<i>Mstr(-1470)</i>	N/A
Chr1	53063057	53063073	Chr1.33878	<i>Mstr(-148)</i>	N/A
Chr1	53063379	53063582	Chr1.33895	<i>Mstr(+1818),1700019a02nk(+124136)</i>	N/A
Chr1	11413981	11414109	Chr1.3425	<i>A83001816nk(-67),A83001816nk(-67)</i>	N/A
Chr1	11443076	11443225	Chr1.3431	<i>A83001816nk(+29039)</i>	N/A
Chr1	53715564	53715564	Chr1.34567	<i>Dnah7a(-8714),Sk17b(+89726)</i>	N/A
Chr1	53896571	53896731	Chr1.34522	<i>Sk17b(-20457),Hecw2(+20538)</i>	N/A
Chr1	54003334	54003481	Chr1.34531	<i>Sk17b(-218194),Hecw2(+191628)</i>	N/A
Chr1	54118704	54118805	Chr1.34577	<i>Sk17b(-333531),Hecw2(+76279)</i>	N/A
Chr1	54128776	54128982	Chr1.34983	<i>Sk17b(-343655),Hecw2(+66155)</i>	N/A
Chr1	54193415	54193528	Chr1.35021	<i>Sk17b(-408248),Hecw2(+1562)</i>	N/A
Chr1	11759511	11759773	Chr1.3504	<i>Surf1(-932788),A83001816nk(+345530)</i>	N/A
Chr1	54703866	54703834	Chr1.35428	<i>Pgap1(-145966),Ankr44(-222737)</i>	N/A
Chr1	54737605	54737777	Chr1.35483	<i>Pgap1(-180007),Ankr44(+198696)</i>	N/A
Chr1	54815509	54815676	Chr1.35561	<i>Pgap1(-257909),Ankr44(+110794)</i>	N/A
Chr1	54838146	54838276	Chr1.35577	<i>Pgap1(-280527),Ankr44(+88176)</i>	N/A
Chr1	54864651	54864864	Chr1.35612	<i>Pgap1(-307074),Ankr44(+61629)</i>	N/A
Chr1	54875162	54875343	Chr1.35618	<i>Pgap1(-317569),Ankr44(+51134)</i>	N/A
Chr1	54899662	54899886	Chr1.35631	<i>Pgap1(-341090),Ankr44(+27613)</i>	N/A
Chr1	54906539	54906651	Chr1.35646	<i>Pgap1(-348911),Ankr44(+19792)</i>	N/A
Chr1	54911568	54911688	Chr1.35655	<i>Pgap1(-353944),Ankr44(+14759)</i>	N/A
Chr1	54922838	54922966	Chr1.35658	<i>Pgap1(-365218),Ankr44(+3485)</i>	N/A
Chr1	54965575	54965739	Chr1.35667	<i>Ankr44(-39270),Sf3b1(+61821)</i>	N/A
Chr1	54971896	54972002	Chr1.35670	<i>Ankr44(-45562),Sf3b1(+55529)</i>	N/A
Chr1	55027333	55027489	Chr1.35730	<i>Sf3b1(+67)</i>	N/A

Chr1	55186965	55187085	Chr1.35856	<i>Rtn2(+39757),Mob4(+55794)</i>	N/A
Chr1	55196776	55196971	Chr1.35867	<i>Rtn2(+29908),Mob4(+65643)</i>	N/A
Chr1	55201743	55201850	Chr1.35870	<i>Rtn2(+24969),Mob4(+70566)</i>	N/A
Chr1	55202038	55202138	Chr1.35874	<i>Rtn2(+24694),Mob4(+70857)</i>	N/A
Chr1	55205946	55206058	Chr1.35882	<i>Rtn2(+20780),Mob4(+74771)</i>	N/A
Chr1	55226331	55226694	Chr1.35917	<i>Rtn2(+269)</i>	N/A
Chr1	55240026	55240199	Chr1.35994	<i>Mars2(+2936),Boli(+123206)</i>	N/A
Chr1	55248800	55248975	Chr1.36014	<i>Mars2(+11711),Boli(+114431)</i>	N/A
Chr1	55405745	55405913	Chr1.36067	<i>Picl1(-539)</i>	N/A
Chr1	55448304	55448405	Chr1.36122	<i>Picl1(+1987)</i>	N/A
Chr1	11996302	11996794	Chr1.3629	<i>Surf1(-695882),A83001816nk(+582436)</i>	N/A
Chr1	55665875	55666163	Chr1.36326	<i>Picl1(+259631),Hsfy2(+971432)</i>	N/A
Chr1	12000510	12000811	Chr1.3640	<i>Surf1(-691769),A83001816nk(+586549)</i>	N/A
Chr1	55704819	55704989	Chr1.36422	<i>Picl1(+298518),Hsfy2(+932547)</i>	N/A
Chr1	55863237	55863463	Chr1.36532	<i>Picl1(+456973),Hsfy2(+774091)</i>	N/A
Chr1	55863517	55863664	Chr1.36539	<i>Picl1(+457203),Hsfy2(+773860)</i>	N/A
Chr1	55893378	55893513	Chr1.36572	<i>Picl1(+487058),Hsfy2(+744005)</i>	N/A
Chr1	55949712	55949923	Chr1.36666	<i>Picl1(+543430),Hsfy2(+687633)</i>	N/A
Chr1	55958127	55958456	Chr1.36678	<i>Picl1(+551904),Hsfy2(+679159)</i>	N/A
Chr1	12055797	12056426	Chr1.3675	<i>Surf1(-636318),A83001816nk(+642000)</i>	N/A
Chr1	12056490	12056594	Chr1.3679	<i>Surf1(-636886),A83001816nk(+642430)</i>	N/A
Chr1	56131465	56131671	Chr1.36846	<i>Hsfy2(+505883),Picl1(+725180)</i>	N/A
Chr1	56253435	56253634	Chr1.37024	<i>Hsfy2(+383916),Picl1(+847147)</i>	N/A
Chr1	56359603	56359815	Chr1.37146	<i>Hsfy2(+277742),Picl1(+953321)</i>	N/A
Chr1	56442241	56442347	Chr1.37261	<i>Hsfy2(+195157)</i>	N/A
Chr1	56541624	56541768	Chr1.37344	<i>Hsfy2(+95755)</i>	N/A
Chr1	12192710	12192875	Chr1.3746	<i>Surf1(-499637),A83001816nk(+778681)</i>	N/A
Chr1	12193140	12193247	Chr1.3751	<i>Surf1(-499236),A83001816nk(+779082)</i>	N/A
Chr1	56795091	56795365	Chr1.37565	<i>Hsfy2(-157777),Satb2(+176630)</i>	N/A
Chr1	56795854	56795960	Chr1.37573	<i>Hsfy2(-159456),Satb2(+175951)</i>	N/A
Chr1	56806107	56806395	Chr1.37604	<i>Hsfy2(-168798),Satb2(+165609)</i>	N/A
Chr1	56832882	56833100	Chr1.37662	<i>Hsfy2(-165540),Satb2(+138667)</i>	N/A
Chr1	56833243	56833669	Chr1.37667	<i>Hsfy2(-196005),Satb2(+138402)</i>	N/A
Chr1	56882267	56882423	Chr1.37802	<i>Hsfy2(-244894),Satb2(+89513)</i>	N/A
Chr1	56886437	56886556	Chr1.37809	<i>Hsfy2(-249046),Satb2(+85361)</i>	N/A
Chr1	56905733	56905843	Chr1.37885	<i>Hsfy2(-268377),Satb2(+66070)</i>	N/A
Chr1	56963377	56963961	Chr1.38045	<i>Hsfy2(-326318),Satb2(+8069)</i>	N/A
Chr1	56964769	56965020	Chr1.38047	<i>Hsfy2(-327444),Satb2(+6963)</i>	N/A
Chr1	56965398	56965588	Chr1.38049	<i>Hsfy2(-328042),Satb2(+6365)</i>	N/A
Chr1	56965841	56966054	Chr1.38051	<i>Hsfy2(-328497),Satb2(+5910)</i>	N/A
Chr1	56966215	56966576	Chr1.38054	<i>Hsfy2(-328945),Satb2(+5462)</i>	N/A
Chr1	56969338	56969452	Chr1.38070	<i>Hsfy2(-331944),Satb2(+2463)</i>	N/A
Chr1	12292223	12292250	Chr1.3808	<i>Surf1(-400068),A83001816nk(+878250)</i>	N/A
Chr1	56973929	56974076	Chr1.38087	<i>Satb2(-2145)</i>	N/A
Chr1	56974195	56974702	Chr1.38089	<i>Satb2(-2591)</i>	N/A
Chr1	56978504	56978701	Chr1.38098	<i>1700066m21nk(-399017),Satb2(-6745)</i>	N/A
Chr1	56980596	56980710	Chr1.38107	<i>1700066m21nk(-39967),Satb2(-8795)</i>	N/A
Chr1	56982367	56982490	Chr1.38109	<i>1700066m21nk(-395198),Satb2(-10566)</i>	N/A
Chr1	57040254	57040363	Chr1.38163	<i>1700066m21nk(-337311),Satb2(-68451)</i>	N/A
Chr1	57057717	57057938	Chr1.38192	<i>1700066m21nk(-319792),Satb2(-85970)</i>	N/A
Chr1	57078067	57078219	Chr1.38217	<i>1700066m21nk(-299477),Satb2(-106285)</i>	N/A
Chr1	57082925	57083176	Chr1.38231	<i>1700066m21nk(-294569),Satb2(-111193)</i>	N/A
Chr1	57083221	57083395	Chr1.38233	<i>1700066m21nk(-294312),Satb2(-111450)</i>	N/A
Chr1	57090033	57090447	Chr1.38255	<i>1700066m21nk(-291380),Satb2(-124362)</i>	N/A
Chr1	57096686	57096987	Chr1.38259	<i>1700066m21nk(-280783),Satb2(-124979)</i>	N/A
Chr1	57098501	57098642	Chr1.38264	<i>1700066m21nk(-279048),Satb2(-126714)</i>	N/A
Chr1	57122285	57122469	Chr1.38304	<i>1700066m21nk(-255243),Satb2(-150519)</i>	N/A
Chr1	57149383	57149546	Chr1.38314	<i>1700066m21nk(-228155),Satb2(-177607)</i>	N/A
Chr1	57198089	57198206	Chr1.38334	<i>1700066m21nk(-209471),Satb2(-196291)</i>	N/A
Chr1	57173892	57174805	Chr1.38350	<i>1700066m21nk(-203328),Satb2(-202536)</i>	N/A
Chr1	57204752	57204925	Chr1.38390	<i>Satb2(-232981),1700066m21nk(-172781)</i>	N/A
Chr1	57213496	57213973	Chr1.38397	<i>Satb2(-241877),1700066m21nk(-163885)</i>	N/A
Chr1	12398236	12398731	Chr1.3845	<i>Surf1(-293946),A83001816nk(+984372)</i>	N/A
Chr1	57265017	57265275	Chr1.38463	<i>Satb2(-293288),1700066m21nk(-112474)</i>	N/A
Chr1	57265431	57265612	Chr1.38465	<i>Satb2(-293644),1700066m21nk(-112098)</i>	N/A
Chr1	57266411	57266636	Chr1.38468	<i>Satb2(-294665),1700066m21nk(-111096)</i>	N/A
Chr1	57266933	57267073	Chr1.38475	<i>Satb2(-295145),1700066m21nk(-110617)</i>	N/A
Chr1	57267278	57267480	Chr1.38481	<i>Satb2(-295521),1700066m21nk(-110241)</i>	N/A
Chr1	57296301	57296456	Chr1.38516	<i>Satb2(-324521),1700066m21nk(-81241)</i>	N/A
Chr1	57301792	57302460	Chr1.38527	<i>Satb2(-330268),1700066m21nk(-75494)</i>	N/A
Chr1	57345444	57345708	Chr1.38594	<i>Satb2(-373789),1700066m21nk(-31993)</i>	N/A
Chr1	57436358	57436777	Chr1.38695	<i>Spats2(-338293),Tyw5(-29467)</i>	N/A
Chr1	57436921	57437217	Chr1.38697	<i>Spats2(-337792),Tyw5(-29968)</i>	N/A
Chr1	57437725	57437945	Chr1.38708	<i>Spats2(-337026),Tyw5(-30734)</i>	N/A
Chr1	57439911	57440087	Chr1.38712	<i>Spats2(-334872),Tyw5(-32888)</i>	N/A
Chr1	57465211	57465355	Chr1.38716	<i>Spats2(-389578),Tyw5(-78182)</i>	N/A
Chr1	57489340	57489639	Chr1.38765	<i>Spats2(-285371),Tyw5(-82389)</i>	N/A
Chr1	57489936	57490299	Chr1.38768	<i>Spats2(-284743),Tyw5(-83017)</i>	N/A
Chr1	57497240	57497355	Chr1.38786	<i>Spats2(-277563),Tyw5(-90197)</i>	N/A
Chr1	57528842	57529142	Chr1.38820	<i>Spats2(-245869),Tyw5(-121891)</i>	N/A
Chr1	57544050	57544325	Chr1.38837	<i>Spats2(-230673),Tyw5(-137087)</i>	N/A
Chr1	57594125	57594242	Chr1.38871	<i>Tyw5(-167063),Spats2(-190677)</i>	N/A
Chr1	57600445	57600564	Chr1.38877	<i>Tyw5(-193404),Spats2(-174356)</i>	N/A
Chr1	57623140	57623301	Chr1.38916	<i>Tyw5(-216120),Spats2(-151640)</i>	N/A
Chr1	57643669	57643797	Chr1.38953	<i>Tyw5(-236632),Spats2(-131128)</i>	N/A
Chr1	12436249	12438444	Chr1.3896	<i>Surf1(-256063)</i>	N/A
Chr1	57684684	57684637	Chr1.38992	<i>Tyw5(-277460),Spats2(-90300)</i>	N/A
Chr1	57703447	57703575	Chr1.39011	<i>Tyw5(-296410),Spats2(-71350)</i>	N/A
Chr1	57705118	57705350	Chr1.39021	<i>Tyw5(-298133),Spats2(-69627)</i>	N/A
Chr1	57712685	57712937	Chr1.39034	<i>Tyw5(-305710),Spats2(-62050)</i>	N/A
Chr1	57740397	57740528	Chr1.39051	<i>Tyw5(-333362),Spats2(-34398)</i>	N/A
Chr1	57776599	57776733	Chr1.39091	<i>Spats2(+1600),Kctd18(+193467)</i>	N/A
Chr1	57803615	57801073	Chr1.39142	<i>Spats2(+26083),Kctd18(+169184)</i>	N/A
Chr1	12489316	12489669	Chr1.3916	<i>Surf1(-202937)</i>	N/A
Chr1	57815765	57815953	Chr1.39188	<i>Spats2(+40998),Kctd18(+154269)</i>	N/A
Chr1	57815989	57816122	Chr1.39189	<i>Spats2(+41195),Kctd18(+154072)</i>	N/A
Chr1	57820242	57820411	Chr1.39206	<i>Spats2(+445468),Kctd18(+149801)</i>	N/A
Chr1	57820639	57820975	Chr1.39214	<i>Spats2(+46046),Kctd18(+149621)</i>	N/A
Chr1	57822137	57822282	Chr1.39222	<i>Spats2(+47349),Kctd18(+147918)</i>	N/A
Chr1	57825102	57825357	Chr1.39232	<i>Spats2(+50369),Kctd18(+144898)</i>	N/A
Chr1	57846916	57847213	Chr1.39261	<i>Spats2(+72204),Kctd18(+123063)</i>	N/A
Chr1	57847623	57847977	Chr1.39269	<i>Spats2(+72939),Kctd18(+122328)</i>	N/A
Chr1	12500547	12500854	Chr1.3929	<i>Surf1(-191729)</i>	N/A
Chr1	57862030	57862272	Chr1.39291	<i>Spats2(+87290),Kctd18(+107977)</i>	N/A
Chr1	57871359	57871540	Chr1.39301	<i>Spats2(+96589),Kctd18(+98678)</i>	N/A
Chr1	57889810	57890071	Chr1.39341	<i>Kctd18(+80187),Spats2(+115080)</i>	N/A
Chr1	57906052	57906208	Chr1.39378	<i>Kctd18(+63999),Spats2(+131269)</i>	N/A
Chr1	57947776	57947910	Chr1.39460	<i>Kctd18(+22285),Spats2(+127982)</i>	N/A
Chr1	12526174	12526439	Chr1.3965	<i>Surf1(-166123)</i>	N/A
Chr1	12572128	12572387	Chr1.3976	<i>Surf1(-100172)</i>	N/A
Chr1	12577016	12577248	Chr1.3979	<i>Surf1(-115298)</i>	N/A
Chr1	12577596	12577750	Chr1.3984	<i>Surf1(-114757)</i>	N/A
Chr1	12582939	12583119	Chr1.3992	<i>Surf1(-109401)</i>	N/A
Chr1	12636795	12636946	Chr1.4039	<i>Surf1(-55558)</i>	N/A
Chr1	58393074	58393221	Chr1.40418	<i>Bow(+12)</i>	N/A
Chr1	12671710	12672116	Chr1.4054	<i>Surf1(-20517)</i>	N/A
Chr1	58528321	58528501	Chr1.40620	<i>Orc2(-23302),Fam126b(+57912)</i>	N/A
Chr1	58534671	58534793	Chr1.40641	<i>Orc2(-29623),Fam126b(+51591)</i>	N/A
Chr1	58586202	58586381	Chr1.40682	<i>Nault3(-92),Fam126b(+31)</i>	N/A
Chr1	12689327	12689513	Chr1.4078	<i>Surf1(-3010)</i>	N/A
Chr1	12689651	12689856	Chr1.4080	<i>Surf1(-2676)</i>	N/A
Chr1	12689965	12690090	Chr1.4081	<i>Surf1(-2402)</i>	N/A
Chr1	12690598	12690749	Chr1.4086	<i>Surf1(-1756)</i>	N/A
Chr1	12690851	12690989	Chr1.4090	<i>Surf1(-1510)</i>	N/A
Chr1	58953250	58953340	Chr1.40936	<i>Trak2(-20130),Casp8(+157926)</i>	N/A
Chr1	12691636	12691910	Chr1.4095	<i>Surf1(-657)</i>	N/A
Chr1	12691980	12692221	Chr1.4098	<i>Surf1(-329)</i>	N/A
Chr1	12692277	12692698	Chr1.4103	<i>Surf1(+58)</i>	N/A
Chr1	12692912	12693062	Chr1.4106	<i>Surf1(+557)</i>	N/A
Chr1	12693387	12693694	Chr1.4111	<i>Surf1(+1111),Silo5a1(+297636)</i>	N/A
Chr1	12694361	12694465	Chr1.4117	<i>Surf1(+1983),Silo5a1(+296784)</i>	N/A
Chr1	59162911	59163034	Chr1.41183	<i>Mppa(+118)</i>	N/A
Chr1	12694933	12695122	Chr1.4119	<i>Surf1(+2598),Silo5a1(+296149)</i>	N/A
Chr1	59257175	59257310	Chr1.41313	<i>Cdk15(+336)</i>	N/A
Chr1	59269665	59269799	Chr1.41325	<i>Fzd7(-212415),Cdk15(+12825)</i>	N/A
Chr1	59270286	59270458	Chr1.41331	<i>Fzd7(-211773),Cdk15(+13465)</i>	N/A
Chr1	59270467	59270773	Chr1.41333	<i>Fzd7(-211517),Cdk15(+13723)</i>	N/A
Chr1	12704641	12704877	Chr1.4134	<i>Surf1(+12329),Silo5a1(+266418)</i>	N/A

Chr1	59287312	59287564	Chr1.41349	Fzd7(-194709), Cdk15(+30531)	N/A
Chr1	59289596	59298820	Chr1.41365	Fzd7(-183439), Cdk15(+41801)	N/A
Chr1	59298901	59299007	Chr1.41370	Fzd7(-183193), Cdk15(+42047)	N/A
Chr1	59314860	59315333	Chr1.41386	Fzd7(-167050), Cdk15(+58190)	N/A
Chr1	59316025	59316765	Chr1.41391	Fzd7(-165752), Cdk15(+59488)	N/A
Chr1	59321494	59321664	Chr1.41404	Fzd7(-160568), Cdk15(+64672)	N/A
Chr1	59321968	59322177	Chr1.41409	Fzd7(-160074), Cdk15(+65166)	N/A
Chr1	59326851	59327429	Chr1.41418	Fzd7(-155007), Cdk15(+70233)	N/A
Chr1	59332224	59332331	Chr1.41439	Fzd7(-149866), Cdk15(+75374)	N/A
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Chr1	59334243	59334406	Chr1.41449	Fzd7(-147822), Cdk15(+77418)	N/A
Chr1	59334438	59334867	Chr1.41452	Fzd7(-147494), Cdk15(+77746)	N/A
Chr1	59353365	59353499	Chr1.41486	Fzd7(-128715), Cdk15(+96529)	N/A
Chr1	59370960	59371067	Chr1.41513	Fzd7(+111133), Cdk15(+114107)	N/A
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Chr1	59418226	59418347	Chr1.41584	Fzd7(-63860), Cdk15(+161380)	N/A
Chr1	59422249	59422382	Chr1.41587	Fzd7(-59831), Cdk15(+165409)	N/A
Chr1	59423262	59423464	Chr1.41593	Fzd7(-58784), Cdk15(+166458)	N/A
Chr1	59438091	59438210	Chr1.41612	Fzd7(-43896), Cdk15(+181244)	N/A
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Chr1	59449754	59449874	Chr1.41634	Fzd7(-32333), Cdk15(+192907)	N/A
Chr1	59449910	59450125	Chr1.41637	Fzd7(-31229), Cdk15(+193111)	N/A
Chr1	59450639	59450808	Chr1.41639	Fzd7(-31423), Cdk15(+193817)	N/A
Chr1	59456439	59456600	Chr1.41661	Fzd7(-25627), Cdk15(+199613)	N/A
Chr1	59459085	59459321	Chr1.41669	Fzd7(-22944), Cdk15(+202296)	N/A
Chr1	59465388	59465708	Chr1.41675	Fzd7(-16599), Cdk15(+208641)	N/A
Chr1	59472349	12723560	Chr1.4168	Surf1(+31080), Sico5a1(+267687)	N/A
Chr1	59471101	59471221	Chr1.41684	Fzd7(-10986), Cdk15(+214254)	N/A
Chr1	59472702	59472893	Chr1.41687	Fzd7(-9349), Cdk15(+215891)	N/A
Chr1	59480105	59480226	Chr1.41701	Fzd7(-1981)	N/A
Chr1	59485131	59485250	Chr1.41743	Gm973(-31073), Fzd7(+3044)	N/A
Chr1	59485667	59485783	Chr1.41745	Gm973(-30589), Fzd7(+3528)	N/A
Chr1	59487650	59487801	Chr1.41754	Gm973(-26538), Fzd7(+5579)	N/A
Chr1	59488229	59488349	Chr1.41761	Gm973(-27975), Fzd7(+6142)	N/A
Chr1	59488820	59488952	Chr1.41767	Gm973(-27378), Fzd7(+6739)	N/A
Chr1	59489068	59489231	Chr1.41770	Gm973(-27114), Fzd7(+7003)	N/A
Chr1	59503755	59503861	Chr1.41778	Gm973(-12458), Fzd7(+21661)	N/A
Chr1	59508318	59508651	Chr1.41789	Gm973(-7779), Fzd7(+26338)	N/A
Chr1	59516039	59516194	Chr1.41798	Gm973(-147)	N/A
Chr1	59518868	59519052	Chr1.41806	Gm973(+2696), Sumo1(+151874)	N/A
Chr1	59520271	59520672	Chr1.41810	Gm973(+4208), Sumo1(+150362)	N/A
Chr1	59524249	59524379	Chr1.41813	Gm973(+8050), Sumo1(+146520)	N/A
Chr1	59524528	59524747	Chr1.41820	Gm973(+8374), Sumo1(+148198)	N/A
Chr1	59540793	59541029	Chr1.41850	Gm973(+24647), Sumo1(+129923)	N/A
Chr1	59549230	59549391	Chr1.41860	Gm973(+33047), Sumo1(+121523)	N/A
Chr1	59566750	59567273	Chr1.41894	Gm973(+50748), Sumo1(+103822)	N/A
Chr1	59569304	59569430	Chr1.41907	Gm973(+53103), Sumo1(+101467)	N/A
Chr1	59569465	59569575	Chr1.41908	Gm973(+53256), Sumo1(+101314)	N/A
Chr1	59574707	59574967	Chr1.41915	Gm973(+58573), Sumo1(+65997)	N/A
Chr1	59585103	59585331	Chr1.41944	Gm973(+68953), Sumo1(+85617)	N/A
Chr1	59592420	59592667	Chr1.41958	Gm973(+76280), Sumo1(+78290)	N/A
Chr1	59670678	59670836	Chr1.42044	Sumo1(+77)	N/A
Chr1	59725691	59725811	Chr1.42088	Bmpr2(-38528), Nop58(+40745)	N/A
Chr1	12744602	12744798	Chr1.4209	Surf1(+52271), Sico5a1(+246476)	N/A
Chr1	59762112	59762257	Chr1.42105	Bmpr2(-2094)	N/A
Chr1	12744920	12745047	Chr1.4212	Surf1(+52554), Sico5a1(+246193)	N/A
Chr1	59789062	59789174	Chr1.42127	Fam117b(-123888), Bmpr2(+24839)	N/A
Chr1	59833811	59834104	Chr1.42151	Fam117b(-79048), Bmpr2(+69679)	N/A
Chr1	59895604	59896777	Chr1.42250	Fam117b(-17315), Bmpr2(+131412)	N/A
Chr1	59899445	59899652	Chr1.42255	Fam117b(-13457), Bmpr2(+135270)	N/A
Chr1	59912396	59912990	Chr1.42266	Fam117b(-43)	N/A
Chr1	60098255	60098418	Chr1.42378	Wdr12(+308)	N/A
Chr1	12776211	12776500	Chr1.4244	Surf1(+83926), Sico5a1(+214821)	N/A
Chr1	60181577	60181808	Chr1.42455	Nbeal1(+198)	N/A
Chr1	12784046	12784168	Chr1.4251	Surf1(+91677), Sico5a1(+207070)	N/A
Chr1	12795802	12796017	Chr1.4281	Surf1(+103480), Sico5a1(+195267)	N/A
Chr1	60609457	60609589	Chr1.42947	Cd28(-136835), Raph1(-42758)	N/A
Chr1	60612165	60612293	Chr1.42954	Cd28(-134129), Raph1(-45464)	N/A
Chr1	12798695	12798794	Chr1.4298	Surf1(+106315), Sico5a1(+192432)	N/A
Chr1	60657279	60657396	Chr1.43002	Raph1(-90574), Cd28(-89019)	N/A
Chr1	60715396	60715811	Chr1.43045	Raph1(-151639), Cd28(-27754)	N/A
Chr1	60735104	60735282	Chr1.43052	Raph1(-168418), Cd28(-11178)	N/A
Chr1	60735377	60735508	Chr1.43055	Raph1(-168678), Cd28(-10915)	N/A
Chr1	60765744	60765859	Chr1.43102	Ctla4(-143223), Cd28(+19444)	N/A
Chr1	60778896	60779068	Chr1.43133	Ctla4(-130043), Cd28(+32624)	N/A
Chr1	60825573	60825690	Chr1.43147	Ctla4(-83393), Cd28(+79274)	N/A
Chr1	60825926	60825926	Chr1.43149	Ctla4(-83181), Cd28(+79486)	N/A
Chr1	60825958	60826164	Chr1.43153	Ctla4(-82964), Cd28(+79703)	N/A
Chr1	60851260	60851430	Chr1.43172	Ctla4(-57680), Cd28(+104987)	N/A
Chr1	60880210	60880404	Chr1.43193	Ctla4(-28718), Cd28(+133949)	N/A
Chr1	12806615	12806769	Chr1.4320	Surf1(+114262), Sico5a1(+184485)	N/A
Chr1	60902602	60902738	Chr1.43230	Ctla4(-4395), Cd28(+198312)	N/A
Chr1	60941080	60941198	Chr1.43304	Icos1(-36788), Ccl9(+32114)	N/A
Chr1	61055408	61055519	Chr1.43406	Pard3b(-583360), Icos1(+77537)	N/A
Chr1	61059910	61060094	Chr1.43414	Pard3b(-578822), Icos1(+82075)	N/A
Chr1	61062129	61062482	Chr1.43425	Pard3b(-576518), Icos1(+84379)	N/A
Chr1	61068322	61068552	Chr1.43442	Pard3b(-570387), Icos1(+90510)	N/A
Chr1	12814442	12814695	Chr1.4349	Surf1(+122199), Sico5a1(+17680)	N/A
Chr1	61103450	61103644	Chr1.43527	Pard3b(-535271), Icos1(+125620)	N/A
Chr1	61139437	61139801	Chr1.43608	Pard3b(-499205), Icos1(+161692)	N/A
Chr1	61140801	61141004	Chr1.43616	Pard3b(-497921), Icos1(+162976)	N/A
Chr1	61142013	61142276	Chr1.43627	Pard3b(-496679), Icos1(+164218)	N/A
Chr1	61142690	61142969	Chr1.43629	Pard3b(-495994), Icos1(+164903)	N/A
Chr1	61143012	61143209	Chr1.43633	Pard3b(-495173), Icos1(+165184)	N/A
Chr1	61143599	61143955	Chr1.43634	Pard3b(-495047), Icos1(+165850)	N/A
Chr1	61145096	61145419	Chr1.43636	Pard3b(-493566), Icos1(+167331)	N/A
Chr1	61173558	61173675	Chr1.43700	Pard3b(-465207), Icos1(+195690)	N/A
Chr1	61179554	61179715	Chr1.43711	Pard3b(-458189), Icos1(+201708)	N/A
Chr1	61179970	61180185	Chr1.43716	Pard3b(-458746), Icos1(+202151)	N/A
Chr1	61180726	61180834	Chr1.43722	Pard3b(-458044), Icos1(+202853)	N/A
Chr1	61181372	61181551	Chr1.43726	Pard3b(-457362), Icos1(+203335)	N/A
Chr1	61205139	61205360	Chr1.43763	Pard3b(-433574), Icos1(+227323)	N/A
Chr1	61233491	61233612	Chr1.43815	Pard3b(-405272), Icos1(+255625)	N/A
Chr1	61233768	61234058	Chr1.43818	Pard3b(-404941), Icos1(+255986)	N/A
Chr1	61234269	61234425	Chr1.43830	Pard3b(-404477), Icos1(+256426)	N/A
Chr1	61265416	61265568	Chr1.43883	Pard3b(-373332), Icos1(+287565)	N/A
Chr1	61265770	61265934	Chr1.43888	Pard3b(-372972), Icos1(+287925)	N/A
Chr1	61289566	61289758	Chr1.43941	Pard3b(-349162), Icos1(+311735)	N/A
Chr1	61289933	61290076	Chr1.43977	Pard3b(-339819), Icos1(+321078)	N/A
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Chr1	61301627	61301875	Chr1.43992	Pard3b(-337073), Icos1(+323824)	N/A
Chr1	61301910	61302054	Chr1.43995	Pard3b(-336842), Icos1(+324055)	N/A
Chr1	61302819	61302948	Chr1.44001	Pard3b(-335940), Icos1(+324957)	N/A
Chr1	61316920	61317057	Chr1.44049	Pard3b(-321835), Icos1(+339062)	N/A
Chr1	12839555	12839808	Chr1.4410	Surf1(+143302), Sico5a1(+155445)	N/A
Chr1	61349709	61349830	Chr1.44110	Pard3b(-280504), Icos1(+371643)	N/A
Chr1	61358375	61358558	Chr1.44132	Pard3b(-280357), Icos1(+380540)	N/A
Chr1	61373807	61373982	Chr1.44166	Pard3b(-264929), Icos1(+395968)	N/A
Chr1	61387869	61388376	Chr1.44210	Pard3b(-250701), Icos1(+410196)	N/A
Chr1	61407113	61407216	Chr1.44229	Pard3b(-231659), Icos1(+429238)	N/A
Chr1	61414936	61415087	Chr1.44243	Pard3b(-223622), Icos1(+437075)	N/A
Chr1	61415452	61415857	Chr1.44251	Pard3b(-221169), Icos1(+437728)	N/A
Chr1	61419981	61420268	Chr1.44269	Pard3b(-218699), Icos1(+442198)	N/A
Chr1	61540394	61540630	Chr1.44345	Pard3b(-98312), Icos1(+562585)	N/A
Chr1	61552904	61553024	Chr1.44389	Pard3b(-85860), Icos1(+575037)	N/A
Chr1	12850617	12850919	Chr1.4457	Sico5a1(+140409), Surf1(+158338)	N/A
Chr1	61742277	61742405	Chr1.44626	Nrp2(-961361), Pard3b(+103517)	N/A
Chr1	61913055	61913188	Chr1.44833	Nrp2(-790500), Pard3b(+274298)	N/A

Chr1	61924949	61925050	Chr1.44856	<i>Nrp2(-778702),Pard3b(+286176)</i>	N/A
Chr1	62016113	62016760	Chr1.45029	<i>Nrp2(-687265),Pard3b(+377613)</i>	N/A
Chr1	62016789	62017002	Chr1.45036	<i>Nrp2(-686806),Pard3b(+378072)</i>	N/A
Chr1	62017054	62017154	Chr1.45039	<i>Nrp2(-686559),Pard3b(+378280)</i>	N/A
Chr1	62018004	62018268	Chr1.45041	<i>Nrp2(-685566),Pard3b(+379312)</i>	N/A
Chr1	62086108	62086389	Chr1.45170	<i>Nrp2(-617453),Pard3b(+447425)</i>	N/A
Chr1	62140839	62140947	Chr1.45220	<i>Nrp2(-562809),Pard3b(+502069)</i>	N/A
Chr1	62177399	62177543	Chr1.45322	<i>Nrp2(-526231),Pard3b(+538647)</i>	N/A
Chr1	62190918	62191070	Chr1.45377	<i>Nrp2(-512708),Pard3b(+552170)</i>	N/A
Chr1	62216693	62216792	Chr1.45459	<i>Nrp2(-486959),Pard3b(+577919)</i>	N/A
Chr1	62244145	62244609	Chr1.45498	<i>Nrp2(-459325),Pard3b(+605553)</i>	N/A
Chr1	62374670	62375012	Chr1.45754	<i>Nrp2(-328861),Pard3b(+736017)</i>	N/A
Chr1	62382898	62383031	Chr1.45777	<i>Nrp2(-320737),Pard3b(+744141)</i>	N/A
Chr1	62383479	62383586	Chr1.45786	<i>Nrp2(-320169),Pard3b(+744709)</i>	N/A
Chr1	62393248	62393351	Chr1.45807	<i>Nrp2(-310402),Pard3b(+754476)</i>	N/A
Chr1	62393404	62393724	Chr1.45811	<i>Nrp2(-310138),Pard3b(+754740)</i>	N/A
Chr1	62406119	62406274	Chr1.45825	<i>Nrp2(-297505),Pard3b(+767373)</i>	N/A
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Chr1	62412415	62412562	Chr1.45851	<i>Nrp2(-291213),Pard3b(+773665)</i>	N/A
Chr1	62429398	62429607	Chr1.45890	<i>Nrp2(-274249),Pard3b(+790629)</i>	N/A
Chr1	62429994	62430192	Chr1.45892	<i>Nrp2(-273609),Pard3b(+791269)</i>	N/A
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Chr1	62447286	62447410	Chr1.45943	<i>Nrp2(-256354),Pard3b(+808524)</i>	N/A
Chr1	62449570	62449803	Chr1.45950	<i>Nrp2(-254015),Pard3b(+810863)</i>	N/A
Chr1	62465517	62465644	Chr1.45987	<i>Nrp2(-238121),Pard3b(+826757)</i>	N/A
Chr1	62499417	62499559	Chr1.46040	<i>Nrp2(-202414),Pard3b(+860654)</i>	N/A
Chr1	62505055	62505234	Chr1.46054	<i>Nrp2(-198557),Pard3b(+866321)</i>	N/A
Chr1	62505267	62505469	Chr1.46058	<i>Nrp2(-198334),Pard3b(+866544)</i>	N/A
Chr1	62522994	62523177	Chr1.46130	<i>Nrp2(-180616),Pard3b(+884262)</i>	N/A
Chr1	62529741	62529957	Chr1.46150	<i>Nrp2(-173853),Pard3b(+891025)</i>	N/A
Chr1	62550454	62550931	Chr1.46180	<i>Nrp2(-153009),Pard3b(+911869)</i>	N/A
Chr1	62562738	62562890	Chr1.46224	<i>Nrp2(-140868),Pard3b(+923999)</i>	N/A
Chr1	62562932	62563178	Chr1.46228	<i>Nrp2(-140647),Pard3b(+924231)</i>	N/A
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Chr1	62564629	62564760	Chr1.46237	<i>Nrp2(-139007),Pard3b(+925871)</i>	N/A
Chr1	62564902	62565237	Chr1.46239	<i>Nrp2(-138632),Pard3b(+926246)</i>	N/A
Chr1	12991132	12991238	Chr1.4625	<i>Sloca5a1(-8)</i>	N/A
Chr1	62573245	62573360	Chr1.46259	<i>Nrp2(-130399),Pard3b(+934479)</i>	N/A
Chr1	62589438	62589627	Chr1.46313	<i>Nrp2(-114169),Pard3b(+950709)</i>	N/A
Chr1	62590990	62591120	Chr1.46319	<i>Nrp2(-112647),Pard3b(+952231)</i>	N/A
Chr1	12992617	12992783	Chr1.4634	<i>Sloca5a1(-1523)</i>	N/A
Chr1	62607093	62607446	Chr1.46377	<i>Nrp2(-96432),Pard3b(+968446)</i>	N/A
Chr1	62617510	62617731	Chr1.46397	<i>Nrp2(-86081),Pard3b(+976797)</i>	N/A
Chr1	62631991	62632178	Chr1.46429	<i>Nrp2(-71617),Pard3b(+993236)</i>	N/A
Chr1	13005344	13005478	Chr1.4643	<i>Sloca5a1(-14234),Prdm14(+121752)</i>	N/A
Chr1	62635205	62635323	Chr1.46435	<i>Nrp2(-68438),Pard3b(+996440)</i>	N/A
Chr1	62647659	62648034	Chr1.46485	<i>Nrp2(-55855)</i>	N/A
Chr1	62649064	62649175	Chr1.46488	<i>Nrp2(-55582)</i>	N/A
Chr1	62650298	62650456	Chr1.46517	<i>Nrp2(-38325)</i>	N/A
Chr1	62655881	62656062	Chr1.46523	<i>Nrp2(-37730)</i>	N/A
Chr1	62678846	62679023	Chr1.46535	<i>Nrp2(-24767)</i>	N/A
Chr1	62682767	62682909	Chr1.46544	<i>Nrp2(-20864)</i>	N/A
Chr1	62702361	62702521	Chr1.46627	<i>Nrp2(-1261)</i>	N/A
Chr1	62702833	62702983	Chr1.46633	<i>Nrp2(-794)</i>	N/A
Chr1	62703242	62703395	Chr1.46637	<i>Nrp2(-383)</i>	N/A
Chr1	62703716	62703828	Chr1.46641	<i>Nrp2(+70)</i>	N/A
Chr1	62703861	62703983	Chr1.46643	<i>Nrp2(+220)</i>	N/A
Chr1	62704515	62704790	Chr1.46646	<i>Nrp2(+951)</i>	N/A
Chr1	62704913	62705081	Chr1.46650	<i>Nrp2(+1295),Ino80d(+409270)</i>	N/A
Chr1	62706124	62706225	Chr1.46656	<i>Nrp2(+4743),Ino80d(+408092)</i>	N/A
Chr1	62707008	62707131	Chr1.46661	<i>Nrp2(+3358),Ino80d(+407197)</i>	N/A
Chr1	62709980	62710086	Chr1.46673	<i>Nrp2(+6331),Ino80d(+404234)</i>	N/A
Chr1	62713133	62713372	Chr1.46691	<i>Nrp2(+9551),Ino80d(+401014)</i>	N/A
Chr1	62716230	62716422	Chr1.46698	<i>Nrp2(+12624),Ino80d(+397941)</i>	N/A
Chr1	62717305	62717829	Chr1.46707	<i>Nrp2(+13865),Ino80d(+396706)</i>	N/A
Chr1	62718225	62718445	Chr1.46719	<i>Nrp2(+14633),Ino80d(+395932)</i>	N/A
Chr1	62720578	62720690	Chr1.46738	<i>Nrp2(+16932),Ino80d(+393633)</i>	N/A
Chr1	62725493	62725748	Chr1.46748	<i>Nrp2(+21919),Ino80d(+388646)</i>	N/A
Chr1	62727272	62727482	Chr1.46762	<i>Nrp2(+23665),Ino80d(+386900)</i>	N/A
Chr1	62729727	62729964	Chr1.46777	<i>Nrp2(+26144),Ino80d(+384421)</i>	N/A
Chr1	62734060	62734254	Chr1.46797	<i>Nrp2(+30455),Ino80d(+380110)</i>	N/A
Chr1	62743351	62743760	Chr1.46823	<i>Nrp2(+30854),Ino80d(+370711)</i>	N/A
Chr1	62749561	62749760	Chr1.46876	<i>Nrp2(+45959),Ino80d(+364606)</i>	N/A
Chr1	62750802	62750998	Chr1.46882	<i>Nrp2(+47198),Ino80d(+363367)</i>	N/A
Chr1	62751408	62751522	Chr1.46885	<i>Nrp2(+47763),Ino80d(+362802)</i>	N/A
Chr1	62752235	62752428	Chr1.46892	<i>Nrp2(+46630),Ino80d(+361935)</i>	N/A
Chr1	62754087	62754216	Chr1.46902	<i>Nrp2(+50450),Ino80d(+360115)</i>	N/A
Chr1	62754559	62754696	Chr1.46907	<i>Nrp2(+50926),Ino80d(+359639)</i>	N/A
Chr1	62759978	62760119	Chr1.46928	<i>Nrp2(+56347),Ino80d(+354218)</i>	N/A
Chr1	62765221	62765426	Chr1.46965	<i>Nrp2(+61622),Ino80d(+348943)</i>	N/A
Chr1	62767372	62767656	Chr1.46972	<i>Nrp2(+63812),Ino80d(+346753)</i>	N/A
Chr1	62769549	62769673	Chr1.46983	<i>Nrp2(+65909),Ino80d(+344655)</i>	N/A
Chr1	62769790	62769986	Chr1.46984	<i>Nrp2(+66186),Ino80d(+344379)</i>	N/A
Chr1	62771244	62771488	Chr1.46994	<i>Nrp2(+67664),Ino80d(+342901)</i>	N/A
Chr1	62774034	62774151	Chr1.47007	<i>Nrp2(+70391),Ino80d(+340174)</i>	N/A
Chr1	62780004	62780342	Chr1.47039	<i>Nrp2(+76471),Ino80d(+3334094)</i>	N/A
Chr1	62780668	62780868	Chr1.47043	<i>Nrp2(+76910),Ino80d(+333555)</i>	N/A
Chr1	62781415	62784293	Chr1.47054	<i>Nrp2(+80517),Ino80d(+330048)</i>	N/A
Chr1	62785986	62786099	Chr1.47069	<i>Nrp2(+82341),Ino80d(+328224)</i>	N/A
Chr1	62786479	62786629	Chr1.47073	<i>Nrp2(+82852),Ino80d(+327713)</i>	N/A
Chr1	62794522	62794834	Chr1.47099	<i>Nrp2(+90976),Ino80d(+319589)</i>	N/A
Chr1	62794972	62795140	Chr1.47104	<i>Nrp2(+91354),Ino80d(+319211)</i>	N/A
Chr1	62795660	62795912	Chr1.47105	<i>Nrp2(+82164),Ino80d(+316381)</i>	N/A
Chr1	62797920	62798055	Chr1.47120	<i>Nrp2(+94286),Ino80d(+316279)</i>	N/A
Chr1	62798949	62799315	Chr1.47124	<i>Nrp2(+95430),Ino80d(+315135)</i>	N/A
Chr1	62805905	62806169	Chr1.47145	<i>Nrp2(+102335),Ino80d(+308230)</i>	N/A
Chr1	62813285	62813428	Chr1.47177	<i>Nrp2(+109655),Ino80d(+300910)</i>	N/A
Chr1	62822025	62822119	Chr1.47223	<i>Nrp2(+118360),Ino80d(+292265)</i>	N/A
Chr1	62851010	62851136	Chr1.47297	<i>Nrp2(+147371),Ino80d(+263194)</i>	N/A
Chr1	62851217	62851417	Chr1.47299	<i>Nrp2(+147815),Ino80d(+262950)</i>	N/A
Chr1	62859170	62859411	Chr1.47312	<i>Nrp2(+155589),Ino80d(+254976)</i>	N/A
Chr1	62859565	62860020	Chr1.47316	<i>Nrp2(+156091),Ino80d(+254474)</i>	N/A
Chr1	62860399	62860576	Chr1.47325	<i>Nrp2(+156786),Ino80d(+253779)</i>	N/A
Chr1	62860746	62860850	Chr1.47328	<i>Nrp2(+157096),Ino80d(+253469)</i>	N/A
Chr1	62860960	62861135	Chr1.47332	<i>Nrp2(+157346),Ino80d(+253219)</i>	N/A
Chr1	62884834	62885406	Chr1.47344	<i>Nrp2(+181468),Ino80d(+229097)</i>	N/A
Chr1	62902732	62902845	Chr1.47356	<i>Nrp2(+199087),Ino80d(+211478)</i>	N/A
Chr1	62905669	62906026	Chr1.47359	<i>Nrp2(+202146),Ino80d(+208419)</i>	N/A
Chr1	62933866	62933989	Chr1.47406	<i>Ino80d(+180329),Nrp2(+230236)</i>	N/A
Chr1	62934106	62934474	Chr1.47408	<i>Ino80d(+179977),Nrp2(+230598)</i>	N/A
Chr1	62934652	62934866	Chr1.47412	<i>Ino80d(+179508),Nrp2(+231057)</i>	N/A
Chr1	62951531	62951759	Chr1.47454	<i>Ino80d(+162622),Nrp2(+247943)</i>	N/A
Chr1	62956461	62956669	Chr1.47467	<i>Ino80d(+157702),Nrp2(+252863)</i>	N/A
Chr1	62965472	62965582	Chr1.47478	<i>Ino80d(+148740),Nrp2(+261825)</i>	N/A
Chr1	62976943	62977057	Chr1.47507	<i>Ino80d(+137287),Nrp2(+273298)</i>	N/A
Chr1	63114405	63114768	Chr1.47625	<i>Ino80d(-320)</i>	N/A
Chr1	63214255	63214403	Chr1.47758	<i>Gpr1(+214)</i>	N/A
Chr1	63369200	63369310	Chr1.47843	<i>Adam23(-76649),Zdtd2(+95990)</i>	N/A
Chr1	63396127	63396227	Chr1.47856	<i>Adam23(-49727),Zdtd2(+122912)</i>	N/A
Chr1	63470462	63470640	Chr1.47912	<i>Adam23(+24657),Dytn(+216366)</i>	N/A
Chr1	63473646	63473824	Chr1.47919	<i>Adam23(+27831),Dytn(+213192)</i>	N/A
Chr1	63492510	63492724	Chr1.47945	<i>Adam23(+46713),Dytn(+194310)</i>	N/A
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Chr1	13171711	13171812	Chr1.4827	<i>Prdm14(+44599),Ncoa2(+202321)</i>	N/A
Chr1	63763299	63763443	Chr1.48345	<i>4933402d24nk(+5896),Fastkd2(+32757)</i>	N/A
Chr1	63763798	63763968	Chr1.48348	<i>4933402d24nk(+5384),Fastkd2(+33269)</i>	N/A
Chr1	63764026	63764291	Chr1.48349	<i>4933402d24nk(+5108),Fastkd2(+33545)</i>	N/A
Chr1	63768163	63768391	Chr1.48354	<i>4933402d24nk(+990)</i>	N/A
Chr1	63857679	63858108	Chr1.48439	<i>4933402d24nk(-88627),Klrf(+263495)</i>	N/A
Chr1	63876721	63876825	Chr1.48458	<i>4933402d24nk(-107506),Klrf(+244616)</i>	N/A
Chr1	63953708	63953828	Chr1.48551	<i>4933402d24nk(-184501),Klrf(+167621)</i>	N/A
Chr1	63953910	63954133	Chr1.48553	<i>4933402d24nk(-184755),Klrf(+167367)</i>	N/A
Chr1	63977620	63977059	Chr1.48573	<i>4933402d24nk(-207723),Klrf(+144399)</i>	N/A
Chr1	63983555	63983617	Chr1.48634	<i>4933402d24nk(-229219),Klrf(+122903)</i>	N/A
Chr1	63999572	63999752	Chr1.48638	<i>4933402d24nk(-230395),Klrf(+121727)</i>	N/A
Chr1	64003961	64003991	Chr1.48650	<i>4933402d24nk(-234575),Klrf(+117547)</i>	N/A
Chr1	64018905	64019059	Chr1.48672	<i>4933402d24nk(-249715),Klrf(+102407)</i>	N/A

Chr1	64020792	64021016	Chr1.48674	4933402d24rik(-251637),Klrf(+100485)	N/A
Chr1	64021432	64021620	Chr1.48679	4933402d24rik(-252259),Klrf(+99863)	N/A
Chr1	64034947	64035454	Chr1.48743	4933402d24rik(-265634),Klrf(+86188)	N/A
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Chr1	64060240	64060366	Chr1.48790	4933402d24rik(-291036),Klrf(+61086)	N/A
Chr1	64060999	64061197	Chr1.48794	4933402d24rik(-291831),Klrf(+60291)	N/A
Chr1	64061365	64061567	Chr1.48800	4933402d24rik(-292199),Klrf(+59923)	N/A
Chr1	64065959	64066061	Chr1.48810	4933402d24rik(-296743),Klrf(+55379)	N/A
Chr1	64066754	64067327	Chr1.48815	4933402d24rik(-297774),Klrf(+54348)	N/A
Chr1	64067644	64067774	Chr1.48821	4933402d24rik(-298442),Klrf(+53680)	N/A
Chr1	13196748	13196878	Chr1.4886	Pdm14(-69655),Ncoa2(+177270)	N/A
Chr1	64087896	64088070	Chr1.48875	4933402d24rik(-318716),Klrf(+33406)	N/A
Chr1	13197002	13197362	Chr1.4888	Pdm14(-70019),Ncoa2(+176901)	N/A
Chr1	64097628	64097736	Chr1.48905	4933402d24rik(-328417),Klrf(+23705)	N/A
Chr1	64097869	64098076	Chr1.48908	4933402d24rik(-328706),Klrf(+23418)	N/A
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Chr1	64119523	64119686	Chr1.48974	4933402d24rik(-350338),Klrf(+1784)	N/A
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Chr1	64191709	64191928	Chr1.49095	Creb1(-340985),Klrf(-70430)	N/A
Chr1	64224303	64224521	Chr1.49160	Creb1(-308392),Klrf(-103023)	N/A
Chr1	64226241	64226341	Chr1.49168	Creb1(-308513),Klrf(-104902)	N/A
Chr1	64226421	64226526	Chr1.49170	Creb1(-306330),Klrf(-105065)	N/A
Chr1	13224982	13225082	Chr1.4919	Pdm14(-97869),Ncoa2(+149051)	N/A
Chr1	64289344	64289449	Chr1.49245	Creb1(-243407),Klrf(-168008)	N/A
Chr1	64305636	64305860	Chr1.49269	Creb1(-227056),Klrf(-184359)	N/A
Chr1	64309165	64309328	Chr1.49279	Creb1(-223557),Klrf(-187858)	N/A
Chr1	64323303	64323570	Chr1.49298	Creb1(-209367),Klrf(-202048)	N/A
Chr1	64338179	64338364	Chr1.49319	Klrf(-216865),Creb1(-194530)	N/A
Chr1	64409142	64409502	Chr1.49400	Klrf(-287933),Creb1(-123482)	N/A
Chr1	64442359	64442459	Chr1.49434	Klrf(-321020),Creb1(-90395)	N/A
Chr1	64459889	64460226	Chr1.49442	Klrf(-324719),Creb1(-86696)	N/A
Chr1	64532864	64533036	Chr1.49490	Creb1(+146)	N/A
Chr1	64533555	64534054	Chr1.49495	Creb1(+1201),Metl21a(+83163)	N/A
Chr1	13244741	13245102	Chr1.4953	Pdm14(-117759),Ncoa2(+129161)	N/A
Chr1	64600598	64600701	Chr1.49566	Metl21a(+16518),Creb1(+67846)	N/A
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Chr1	64658916	64659118	Chr1.49612	Metl21a(-41849),Ccn1(+32328)	N/A
Chr1	64731419	64731572	Chr1.49711	Fzd5(+6254),Ccn1(+40151)	N/A
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Chr1	64738855	64738974	Chr1.49778	Fzd5(-1165)	N/A
Chr1	13296655	13296826	Chr1.4980	Pdm14(-169578),Ncoa2(+77342)	N/A
Chr1	64779618	64779754	Chr1.49800	Fzd5(-4936),Plekhh3(+177138)	N/A
Chr1	64779873	64780039	Chr1.49805	Fzd5(-42266),Plekhh3(+17686)	N/A
Chr1	64791954	64792088	Chr1.49833	Fzd5(-54271),Plekhh3(+164803)	N/A
Chr1	64792191	64792382	Chr1.49838	Fzd5(-54537),Plekhh3(+164537)	N/A
Chr1	64792814	64793075	Chr1.49844	Fzd5(-55195),Plekhh3(+163879)	N/A
Chr1	64802743	64802915	Chr1.49872	Fzd5(-65079),Plekhh3(+153995)	N/A
Chr1	64808464	64808586	Chr1.49891	Fzd5(-70776),Plekhh3(+148298)	N/A
Chr1	64809071	64809472	Chr1.49893	Fzd5(-71522),Plekhh3(+147552)	N/A
Chr1	64826455	64826751	Chr1.49919	Fzd5(-88853),Plekhh3(+130221)	N/A
Chr1	64836105	64836417	Chr1.49947	Fzd5(-98511),Plekhh3(+120563)	N/A
Chr1	64841035	64841215	Chr1.49960	Fzd5(-103375),Plekhh3(+115699)	N/A
Chr1	64843856	64844180	Chr1.49961	Fzd5(-106268),Plekhh3(+112806)	N/A
Chr1	64844215	64844722	Chr1.49964	Fzd5(-106719),Plekhh3(+112355)	N/A
Chr1	64849084	64849325	Chr1.49978	Fzd5(-111455),Plekhh3(+107619)	N/A
Chr1	64853734	64853963	Chr1.49983	Fzd5(-116099),Plekhh3(+102975)	N/A
Chr1	64854007	64854156	Chr1.49987	Fzd5(-116332),Plekhh3(+102742)	N/A
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Chr1	64916663	64916906	Chr1.50102	Fzd5(-179034),Plekhh3(+40040)	N/A
Chr1	64916976	64917300	Chr1.50105	Fzd5(-179338),Plekhh3(+39666)	N/A
Chr1	64918924	64919038	Chr1.50116	Fzd5(-181231),Plekhh3(+37843)	N/A
Chr1	64924374	64924602	Chr1.50153	Fzd5(-186738),Plekhh3(+32336)	N/A
Chr1	64975414	64975740	Chr1.50189	Plekhh3(-18753),Akr1c1(+57182)	N/A
Chr1	65073553	65073702	Chr1.50279	Cryg(-107)	N/A
Chr1	13352077	13356456	Chr1.5033	Pdm14(-223205),Ncoa2(+23715)	N/A
Chr1	65123150	65123264	Chr1.50356	DSO22819rik(-14)	N/A
Chr1	13366780	13366886	Chr1.5046	Pdm14(-239670),Ncoa2(+7250)	N/A
Chr1	13371754	13371894	Chr1.5060	Pdm14(-244661),Ncoa2(+2259)	N/A
Chr1	13372427	13372711	Chr1.5063	Pdm14(-245406),Ncoa2(+1514)	N/A
Chr1	13372780	13372896	Chr1.5068	Pdm14(-245675),Ncoa2(+1245)	N/A
Chr1	65178841	65177059	Chr1.50714	Map2(-14697),Cryg(-25428)	N/A
Chr1	66221571	66221839	Chr1.50774	Map2(-29942),Cryg(-295183)	N/A
Chr1	66226572	66226719	Chr1.50781	Map2(-25001),Cryg(-300124)	N/A
Chr1	66321727	66321931	Chr1.50870	Unc80(-146538),Map2(+70182)	N/A
Chr1	66389647	66387091	Chr1.50966	Unc80(-81348),Map2(+133372)	N/A
Chr1	13425968	13426234	Chr1.5099	Ncoa2(-62018),Tram1(+163763)	N/A
Chr1	66402058	66402185	Chr1.50996	Unc80(-66245),Map2(+150475)	N/A
Chr1	13426274	13426611	Chr1.5101	Ncoa2(-62360),Tram1(+163421)	N/A
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Chr1	66467852	66467987	Chr1.51197	Unc80(-447)	N/A
Chr1	66486714	66486878	Chr1.51203	Unc80(-429)	N/A
Chr1	13442392	13442597	Chr1.5128	Ncoa2(-68412),Tram1(+147369)	N/A
Chr1	13494596	13494834	Chr1.5166	Ncoa2(-120632),Tram1(+95149)	N/A
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Chr1	66934231	66934421	Chr1.51815	Acadl(-71049),Myf1(+10817)	N/A
Chr1	66985280	66985616	Chr1.51902	Myf1(-40307),Lanc1(+53422)	N/A
Chr1	67049332	67049547	Chr1.52011	Cps1(-73586),Lanc1(-10568)	N/A
Chr1	67049927	67050258	Chr1.52013	Cps1(-72933),Lanc1(-11221)	N/A
Chr1	67062491	67062611	Chr1.52036	Cps1(-60475),Lanc1(-23679)	N/A
Chr1	67103786	67104120	Chr1.52092	Lanc1(-65081),Cps1(-19073)	N/A
Chr1	13589781	13589893	Chr1.5215	Tram1(+227)	N/A
Chr1	67477241	67477680	Chr1.52672	Cps1(+354345)	N/A
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Chr1	68049929	68050193	Chr1.53076	Cps1(+927035)	N/A
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Chr1	13853539	13855482	Chr1.5359	Xkr9(+186650),Eya1(+454778)	N/A
Chr1	13858869	13860620	Chr1.5372	Xkr9(+190174),Eya1(+451254)	N/A
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Chr1	13860923	13861642	Chr1.5379	Xkr9(+192512),Eya1(+448916)	N/A
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Chr1	68787616	68787896	Chr1.53956	Erbb4(+320303)	N/A
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Chr1	69023489	69023625	Chr1.54258	Erbb4(+84502)	N/A
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Chr1	69105998	69106186	Chr1.54419	Erbb4(+1967)	N/A
Chr1	69241995	69242105	Chr1.54550	Erbb4(-133991),Ikzf2(+443910)	N/A
Chr1	69247801	69247926	Chr1.54554	Erbb4(-139805),Ikzf2(+430696)	N/A
Chr1	13992373	13992639	Chr1.5457	Eya1(+317693),Xkr9(+323735)	N/A
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Chr1	69285667	69286725	Chr1.54592	Erbb4(-178587),Ikzf2(+399314)	N/A
Chr1	69331827	69332001	Chr1.54645	Erbb4(-223755),Ikzf2(+354146)	N/A
Chr1	69351763	69352087	Chr1.54670	Erbb4(-243876),Ikzf2(+334025)	N/A
Chr1	69357223	69357470	Chr1.54680	Erbb4(-249288),Ikzf2(+328613)	N/A
Chr1	69431136	69431264	Chr1.54741	Erbb4(-323141),Ikzf2(+254760)	N/A
Chr1	69434682	69434855	Chr1.54751	Erbb4(-326710),Ikzf2(+251191)	N/A
Chr1	69437115	69437260	Chr1.54755	Erbb4(-329129),Ikzf2(+248772)	N/A
Chr1	69440987	69441098	Chr1.54763	Erbb4(-332684),Ikzf2(+244917)	N/A
Chr1	69459867	69459968	Chr1.54790	Erbb4(-350909),Ikzf2(+225992)	N/A
Chr1	69468232	69468389	Chr1.54807	Erbb4(-360252),Ikzf2(+217649)	N/A
Chr1	69492934	69493053	Chr1.54850	Erbb4(-384935),Ikzf2(+192966)	N/A
Chr1	69513251	69513350	Chr1.54898	Erbb4(-405242),Ikzf2(+172659)	N/A
Chr1	69513899	69514043	Chr1.54901	Erbb4(-405912),Ikzf2(+177989)	N/A
Chr1	69578745	69578898	Chr1.55023	Erbb4(-470763),Ikzf2(+107138)	N/A
Chr1	69591617	69591745	Chr1.55033	Erbb4(-483622),Ikzf2(+94279)	N/A

Chr1	69592037	69592212	Chr1.55035	<i>Erbp4(-484066),Ikzf2(+93835)</i>	N/A
Chr1	69629590	69629835	Chr1.55082	<i>Erbp4(-521654),Spag16(+56247)</i>	N/A
Chr1	69638396	69638664	Chr1.55073	<i>Erbp4(-530471),Ikzf2(+47430)</i>	N/A
Chr1	69657148	69657337	Chr1.55094	<i>Erbp4(-549184),Ikzf2(+28717)</i>	N/A
Chr1	69679512	69679689	Chr1.55134	<i>Erbp4(-571542),Ikzf2(+6359)</i>	N/A
Chr1	69684100	69684402	Chr1.55153	<i>Erbp4(-576192),Ikzf2(+1709)</i>	N/A
Chr1	69684508	69684877	Chr1.55154	<i>Erbp4(-576634),Ikzf2(+1267)</i>	N/A
Chr1	69684919	69685295	Chr1.55157	<i>Ikzf2(+853)</i>	N/A
Chr1	69685348	69685468	Chr1.55159	<i>Ikzf2(+552)</i>	N/A
Chr1	69685701	69686001	Chr1.55161	<i>Ikzf2(+109)</i>	N/A
Chr1	69687148	69687330	Chr1.55167	<i>Ikzf2(-1279)</i>	N/A
Chr1	69688067	69688214	Chr1.55170	<i>Ikzf2(-2181)</i>	N/A
Chr1	69729321	69729595	Chr1.55223	<i>Spag16(-97530),Ikzf2(-43498)</i>	N/A
Chr1	69768824	69769125	Chr1.55260	<i>Ikzf2(-83015),Spag16(-58013)</i>	N/A
Chr1	69769169	69769322	Chr1.55262	<i>Ikzf2(-83288),Spag16(-57142)</i>	N/A
Chr1	14052921	14053083	Chr1.5560	<i>Eya1(+257197),Xkr9(+384231)</i>	N/A
Chr1	14097656	14097968	Chr1.5594	<i>Eya1(+212387),Xkr9(+429041)</i>	N/A
Chr1	14099130	14099328	Chr1.5602	<i>Eya1(+210970),Xkr9(+430458)</i>	N/A
Chr1	14108990	14109184	Chr1.5614	<i>Eya1(+201112),Xkr9(+440316)</i>	N/A
Chr1	70852038	70852259	Chr1.56246	<i>Vwc2(+126494),Bard1(+250967)</i>	N/A
Chr1	14150835	14151034	Chr1.5674	<i>Eya1(+159264),Xkr9(+482164)</i>	N/A
Chr1	14161994	14162428	Chr1.5680	<i>Eya1(+147988),Xkr9(+493440)</i>	N/A
Chr1	71306388	71306577	Chr1.56851	<i>Bard1(-203337),Abca12(+108427)</i>	N/A
Chr1	14165981	14166176	Chr1.5686	<i>Eya1(+144120),Xkr9(+497308)</i>	N/A
Chr1	14180315	14180767	Chr1.5714	<i>Eya1(+129658),Xkr9(+511770)</i>	N/A
Chr1	71612860	71613259	Chr1.57323	<i>Apo7d(-39717),Alec(+55970)</i>	N/A
Chr1	14185948	14186287	Chr1.5733	<i>Eya1(+124081),Xkr9(+517347)</i>	N/A
Chr1	71615064	71615184	Chr1.57335	<i>Apo7d(-37713),Alec(+57974)</i>	N/A
Chr1	71648206	71648306	Chr1.57481	<i>Apo7d(-4581)</i>	N/A
Chr1	71653288	71653444	Chr1.57500	<i>Fnt1(-195),Apo7d(+529)</i>	N/A
Chr1	71654862	71655190	Chr1.57504	<i>Fnt1(-1853)</i>	N/A
Chr1	71682409	71682519	Chr1.57542	<i>Fnt1(-29293),Mreg(+529843)</i>	N/A
Chr1	71682559	71682688	Chr1.57544	<i>Fnt1(-29453),Mreg(+529683)</i>	N/A
Chr1	71723620	71724128	Chr1.57565	<i>Fnt1(-70853),Mreg(+488283)</i>	N/A
Chr1	71775843	71776004	Chr1.57639	<i>Fnt1(-122753),Mreg(+436383)</i>	N/A
Chr1	71776049	71777188	Chr1.57641	<i>Fnt1(-122948),Mreg(+361188)</i>	N/A
Chr1	14207663	14207774	Chr1.5767	<i>Eya1(+102480),Xkr9(+538948)</i>	N/A
Chr1	71807507	71807614	Chr1.57690	<i>Fnt1(-154380),Mreg(+404746)</i>	N/A
Chr1	71807644	71807850	Chr1.57692	<i>Fnt1(-154576),Mreg(+404560)</i>	N/A
Chr1	14207876	14208380	Chr1.5770	<i>Eya1(+102071),Xkr9(+539357)</i>	N/A
Chr1	71836810	71836912	Chr1.57725	<i>Fnt1(-183690),Mreg(+375446)</i>	N/A
Chr1	71842393	71842634	Chr1.57734	<i>Fnt1(-189293),Mreg(+369843)</i>	N/A
Chr1	71845022	71845135	Chr1.57738	<i>Fnt1(-191908),Mreg(+367228)</i>	N/A
Chr1	71845179	71845394	Chr1.57740	<i>Fnt1(-192116),Mreg(+367020)</i>	N/A
Chr1	71877005	71877194	Chr1.57766	<i>Fnt1(-223929),Mreg(+335207)</i>	N/A
Chr1	71938210	71938344	Chr1.57843	<i>Fnt1(-285106),Mreg(+274030)</i>	N/A
Chr1	71940699	71940818	Chr1.57846	<i>Fnt1(-287588),Mreg(+271548)</i>	N/A
Chr1	71941144	71941259	Chr1.57850	<i>Fnt1(-288031),Mreg(+271105)</i>	N/A
Chr1	71941744	71941865	Chr1.57858	<i>Fnt1(-288634),Mreg(+270502)</i>	N/A
Chr1	71953948	71954101	Chr1.57880	<i>Fnt1(-300854),Mreg(+258282)</i>	N/A
Chr1	71972249	71972350	Chr1.57909	<i>Fnt1(-319129),Mreg(+240007)</i>	N/A
Chr1	72005586	72005688	Chr1.57954	<i>Fnt1(-352466),Mreg(+206670)</i>	N/A
Chr1	72019135	72019248	Chr1.57968	<i>Fnt1(-366021),Mreg(+193115)</i>	N/A
Chr1	72036582	72036803	Chr1.57982	<i>Fnt1(-363522),Mreg(+176614)</i>	N/A
Chr1	72038003	72038311	Chr1.57989	<i>Fnt1(-384986),Mreg(+174150)</i>	N/A
Chr1	72060505	72060659	Chr1.58013	<i>Fnt1(-407411),Mreg(+151725)</i>	N/A
Chr1	14244946	14245167	Chr1.5803	<i>Eya1(+65142),Xkr9(+576286)</i>	N/A
Chr1	72090352	72090478	Chr1.58046	<i>Fnt1(-437244),Mreg(+121892)</i>	N/A
Chr1	72091112	72091538	Chr1.58053	<i>Fnt1(-438304),Mreg(+120832)</i>	N/A
Chr1	72091568	72091690	Chr1.58054	<i>Fnt1(-438458),Mreg(+120678)</i>	N/A
Chr1	72108599	72108916	Chr1.58094	<i>Fnt1(-455587),Mreg(+103549)</i>	N/A
Chr1	72121696	72121978	Chr1.58120	<i>Fnt1(-468666),Mreg(+90470)</i>	N/A
Chr1	72364521	72364733	Chr1.58302	<i>Xrcc5(+57206),March4(+172303)</i>	N/A
Chr1	72379414	72379675	Chr1.58326	<i>Xrcc5(+72074),March4(+157435)</i>	N/A
Chr1	72406908	72406998	Chr1.58357	<i>Xrcc5(+59411),March4(+130018)</i>	N/A
Chr1	72414231	72414420	Chr1.58367	<i>Xrcc5(+106905),March4(+122604)</i>	N/A
Chr1	72454864	72454998	Chr1.58402	<i>March4(+81999),Xrcc5(+147510)</i>	N/A
Chr1	72465358	72465558	Chr1.58416	<i>March4(+71472),Xrcc5(+158037)</i>	N/A
Chr1	72468541	72468739	Chr1.58420	<i>March4(+68290),Xrcc5(+161219)</i>	N/A
Chr1	72490286	72490546	Chr1.58433	<i>March4(+46514),Xrcc5(+182995)</i>	N/A
Chr1	72536314	72536498	Chr1.58488	<i>March4(+525)</i>	N/A
Chr1	72536715	72536827	Chr1.58491	<i>March4(+159)</i>	N/A
Chr1	72493959	14294112	Chr1.5853	<i>Eya1(+16163),Xkr9(+622565)</i>	N/A
Chr1	72577435	72577546	Chr1.58539	<i>March4(-40561),Smrca1(-5760)</i>	N/A
Chr1	72593489	72593588	Chr1.58568	<i>Smrca1(-10288),Ankar(+107025)</i>	N/A
Chr1	72495622	14296626	Chr1.5858	<i>Eya1(+13635),Xkr9(+627803)</i>	N/A
Chr1	14297514	14297649	Chr1.5861	<i>Eya1(+12617),Xkr9(+628811)</i>	N/A
Chr1	72720547	72720649	Chr1.58769	<i>Igfbp2(-103905),Rpl37a(+9338)</i>	N/A
Chr1	72733389	72733517	Chr1.58774	<i>Igfbp2(-91050),Rpl37a(+22193)</i>	N/A
Chr1	14303329	14303648	Chr1.5878	<i>Eya1(+6710),Xkr9(+634718)</i>	N/A
Chr1	72736827	72736952	Chr1.58781	<i>Igfbp2(-87613),Rpl37a(+25630)</i>	N/A
Chr1	72739815	72740141	Chr1.58786	<i>Igfbp2(-84526),Rpl37a(+28719)</i>	N/A
Chr1	72746561	72746677	Chr1.58793	<i>Igfbp2(-77894),Rpl37a(+35359)</i>	N/A
Chr1	14304332	14304813	Chr1.5881	<i>Eya1(+5626),Xkr9(+635802)</i>	N/A
Chr1	72806216	72806445	Chr1.58825	<i>Igfbp2(-18172),Rpl37a(+95071)</i>	N/A
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Chr1	14304969	14305032	Chr1.5884	<i>Eya1(+5248),Xkr9(+636180)</i>	N/A
Chr1	72814300	72814454	Chr1.58840	<i>Igfbp2(-10126),Rpl37a(+103117)</i>	N/A
Chr1	72827725	72827906	Chr1.58856	<i>Igfbp2(+3313),Igfbp5(+47068)</i>	N/A
Chr1	72832728	72832835	Chr1.58860	<i>Igfbp2(+8279),Igfbp5(+42102)</i>	N/A
Chr1	72839279	72839494	Chr1.58868	<i>Igfbp2(+14884),Igfbp5(+35497)</i>	N/A
Chr1	72430501	14305623	Chr1.5891	<i>Eya1(+46372),Xkr9(+636791)</i>	N/A
Chr1	72870218	72870358	Chr1.58932	<i>Igfbp5(+4586),Igfbp2(+45768)</i>	N/A
Chr1	72870572	72870808	Chr1.58938	<i>Igfbp5(+4194),Igfbp2(+46187)</i>	N/A
Chr1	14305921	14306034	Chr1.5895	<i>Eya1(+4221),Xkr9(+637207)</i>	N/A
Chr1	72874872	72875061	Chr1.58958	<i>Igfbp5(-83)</i>	N/A
Chr1	72430636	14306695	Chr1.5897	<i>Eya1(+3668),Xkr9(+637780)</i>	N/A
Chr1	72865739	72868048	Chr1.58970	<i>Igfbp5(+11010),Tnp1(+130205)</i>	N/A
Chr1	14307149	14307761	Chr1.5898	<i>Eya1(+2744),Xkr9(+638684)</i>	N/A
Chr1	72911365	72911577	Chr1.59004	<i>Igfbp5(-36587),Tnp1(+104428)</i>	N/A
Chr1	14308446	14308586	Chr1.5902	<i>Eya1(+1683),Xkr9(+639745)</i>	N/A
Chr1	72952943	72953084	Chr1.59028	<i>Igfbp5(-78130),Tnp1(+62885)</i>	N/A
Chr1	72953127	72953396	Chr1.59032	<i>Igfbp5(-78378),Tnp1(+62637)</i>	N/A
Chr1	72960399	72960575	Chr1.59038	<i>Igfbp5(-85603),Tnp1(+55412)</i>	N/A
Chr1	72963593	72963873	Chr1.59042	<i>Igfbp5(-88849),Tnp1(+52166)</i>	N/A
Chr1	72977341	72977441	Chr1.59067	<i>Igfbp5(-102507),Tnp1(+38508)</i>	N/A
Chr1	72983212	72983320	Chr1.59073	<i>Igfbp5(-118382),Tnp1(+22633)</i>	N/A
Chr1	14309564	14309738	Chr1.5910	<i>Eya1(+548)</i>	N/A
Chr1	14309790	14310133	Chr1.5912	<i>Eya1(+237)</i>	N/A
Chr1	73038654	73038757	Chr1.59120	<i>Tnp1(-22807)</i>	N/A
Chr1	73042215	73042361	Chr1.59130	<i>Tnp1(-26389)</i>	N/A
Chr1	73055290	73055477	Chr1.59145	<i>Tnp1(-39485)</i>	N/A
Chr1	73060391	73060552	Chr1.59153	<i>Tnp1(-44573)</i>	N/A
Chr1	73072407	73072644	Chr1.59167	<i>Tnp1(-58627)</i>	N/A
Chr1	14310230	14310421	Chr1.5920	<i>Eya1(-127)</i>	N/A
Chr1	73113250	73113411	Chr1.59210	<i>Tnp1(-97432)</i>	N/A
Chr1	73118630	73118803	Chr1.59223	<i>Tnp1(-102818)</i>	N/A
Chr1	73125870	73126123	Chr1.59237	<i>Tnp1(-110098),Tns1(+998450)</i>	N/A
Chr1	73170703	73171003	Chr1.59275	<i>Tnp1(-154954),Tns1(+953594)</i>	N/A
Chr1	14311262	14311456	Chr1.5930	<i>Eya1(-160)</i>	N/A
Chr1	73233556	73233515	Chr1.59352	<i>Tnp1(-219537),Tns1(+890011)</i>	N/A
Chr1	73242514	73242704	Chr1.59358	<i>Tnp1(-226710),Tns1(+881838)</i>	N/A
Chr1	73249945	73250089	Chr1.59363	<i>Tnp1(-234118),Tns1(+874430)</i>	N/A
Chr1	73251962	73252282	Chr1.59366	<i>Tnp1(-236223),Tns1(+872325)</i>	N/A
Chr1	73263301	73263424	Chr1.59377	<i>Tnp1(-249464),Tns1(+859094)</i>	N/A
Chr1	73270810	73271141	Chr1.59385	<i>Tnp1(-52507),Tns1(+633471)</i>	N/A
Chr1	73272659	73272761	Chr1.59394	<i>Tnp1(-256811),Tns1(+851737)</i>	N/A
Chr1	73299109	73299245	Chr1.59425	<i>Tnp1(-283278),Tns1(+825270)</i>	N/A
Chr1	73307297	73307588	Chr1.59428	<i>Tnp1(-291544),Tns1(+817004)</i>	N/A
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Chr1	73363675	73363946	Chr1.59491	<i>Tnp1(-347912),Tns1(+760638)</i>	N/A
Chr1	73363869	73364421	Chr1.59496	<i>Tnp1(-348306),Tns1(+760342)</i>	N/A
Chr1	73365691	73365851	Chr1.59499	<i>Tnp1(-349872),Tns1(+758678)</i>	N/A
Chr1	73365899	73366082	Chr1.59503	<i>Tnp1(-350092),Tns1(+758456)</i>	N/A
Chr1	14314014	14314137	Chr1.5951	<i>Eya1(-3877)</i>	N/A
Chr1	73370888	73371185	Chr1.59511	<i>Tnp1(-355128),Tns1(+753420)</i>	N/A
Chr1	73392287	73392418	Chr1.59526	<i>Eya1(-376454),Tns1(+732094)</i>	N/A
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Chr1	73395440	73395561 Chr1.59540	Tnp1(-379602), Tns1(+728946)	N/A
Chr1	73399182	73399389 Chr1.59543	Tnp1(-383387), Tns1(+725161)	N/A
Chr1	73415169	73415268 Chr1.5955	Gm9947(-440235), Eya1(-5020)	N/A
Chr1	73438536	73438770 Chr1.59554	Tnp1(-422754), Tns1(+685794)	N/A
Chr1	73444518	73444767 Chr1.59577	Tnp1(-428744), Tns1(+679804)	N/A
Chr1	73460313	73460416 Chr1.59609	Tnp1(-444466), Tns1(+664082)	N/A
Chr1	73415359	73415525 Chr1.5961	Gm9947(-440012), Eya1(-5243)	N/A
Chr1	73403075	73404089 Chr1.59646	Tnp1(-474533), Tns1(+634015)	N/A
Chr1	73513865	73514121 Chr1.59668	Tnp1(-498144), Tns1(+610404)	N/A
Chr1	73415944	73416105 Chr1.5967	Gm9947(-439429), Eya1(-5826)	N/A
Chr1	73516607	73516708 Chr1.59677	Tnp1(-500759), Tns1(+607788)	N/A
Chr1	73545362	73545804 Chr1.59716	Tnp1(-529684), Tns1(+578864)	N/A
Chr1	73576270	73576386 Chr1.59752	Tnp1(-560429), Tns1(+548119)	N/A
Chr1	73579726	73579880 Chr1.59765	Tnp1(-563904), Tns1(+544644)	N/A
Chr1	73580201	73580465 Chr1.59773	Tnp1(-564434), Tns1(+544114)	N/A
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Chr1	73593809	73594359 Chr1.59794	Tnp1(-578185), Tns1(+530363)	N/A
Chr1	73594511	73594671 Chr1.59801	Tnp1(-578692), Tns1(+529856)	N/A
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Chr1	73677039	73677268 Chr1.59876	Tnp1(-661255), Tns1(+447293)	N/A
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Chr1	73702548	73702841 Chr1.59893	Tnp1(-686796), Tns1(+421752)	N/A
Chr1	73744100	73744241 Chr1.59934	Tnp1(-728272), Tns1(+380276)	N/A
Chr1	73744577	73744806 Chr1.59936	Tnp1(-728793), Tns1(+379755)	N/A
Chr1	73750053	73750160 Chr1.5994	Gm9947(-405347), Eya1(-39998)	N/A
Chr1	73758493	73758678 Chr1.59957	Tnp1(-742687), Tns1(+365861)	N/A
Chr1	73758718	73759105 Chr1.59960	Tnp1(-743013), Tns1(+365538)	N/A
Chr1	73764803	73764925 Chr1.59967	Tnp1(-748665), Tns1(+359583)	N/A
Chr1	73764962	73765193 Chr1.59970	Tnp1(-749179), Tns1(+359369)	N/A
Chr1	73771854	73772023 Chr1.59977	Tnp1(-758040), Tns1(+352508)	N/A
Chr1	73772104	73772213 Chr1.59983	Tnp1(-756260), Tns1(+352288)	N/A
Chr1	73783144	73783253 Chr1.59986	Tnp1(-767300), Tns1(+341248)	N/A
Chr1	73783582	73783692 Chr1.59997	Tnp1(-767738), Tns1(+340810)	N/A
Chr1	73794312	73794448 Chr1.60009	Tnp1(-778481), Tns1(+330067)	N/A
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Chr1	73835825	73835821 Chr1.6006	Gm9947(-397311), Eya1(-47924)	N/A
Chr1	73822878	73823012 Chr1.60060	Tnp1(-807046), Tns1(+301502)	N/A
Chr1	73827240	73827490 Chr1.60069	Tnp1(-811466), Tns1(+297082)	N/A
Chr1	73829204	73829376 Chr1.60079	Tnp1(-813391), Tns1(+295157)	N/A
Chr1	73830753	73831086 Chr1.60085	Tnp1(-815021), Tns1(+293527)	N/A
Chr1	73842546	73842728 Chr1.60100	Tnp1(-826739), Tns1(+281809)	N/A
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Chr1	73856692	73856947 Chr1.60118	Tnp1(-840921), Tns1(+267627)	N/A
Chr1	73860435	73860538 Chr1.60121	Tnp1(-844588), Tns1(+263960)	N/A
Chr1	73915290	73915456 Chr1.60146	Tnp1(-899474), Tns1(+209074)	N/A
Chr1	73923299	73923472 Chr1.60175	Tnp1(-907487), Tns1(+201061)	N/A
Chr1	73942367	73942546 Chr1.60234	Tnp1(-926558), Tns1(+181996)	N/A
Chr1	73943003	73944039 Chr1.60251	Tnp1(-928072), Tns1(+180476)	N/A
Chr1	73944544	73944648 Chr1.60254	Tnp1(-928697), Tns1(+179851)	N/A
Chr1	73955549	73955678 Chr1.60296	Tnp1(-939715), Tns1(+168833)	N/A
Chr1	73958378	73958477 Chr1.60301	Tnp1(-942529), Tns1(+166019)	N/A
Chr1	73962340	73962446 Chr1.60305	Tnp1(-946494), Tns1(+162054)	N/A
Chr1	73963185	73963318 Chr1.60312	Tnp1(-947353), Tns1(+161195)	N/A
Chr1	73970354	73970493 Chr1.60317	Tnp1(-954525), Tns1(+154023)	N/A
Chr1	73987795	73988079 Chr1.60353	Tnp1(-972038), Tns1(+136510)	N/A
Chr1	73989609	73989796 Chr1.60383	Tnp1(-982804), Tns1(+125744)	N/A
Chr1	73990906	73990107 Chr1.60389	Tnp1(-983158), Tns1(+125390)	N/A
Chr1	74001779	74000294 Chr1.60395	Tnp1(-984338), Tns1(+124210)	N/A
Chr1	74013666	74013839 Chr1.60414	Tnp1(-997854), Tns1(+110694)	N/A
Chr1	74016792	74016918 Chr1.60426	Tns1(+107592)	N/A
Chr1	74017902	74018014 Chr1.60428	Tns1(+106489)	N/A
Chr1	74022858	74022958 Chr1.60429	Tns1(+101538)	N/A
Chr1	74025578	74025730 Chr1.60434	Tns1(+98793)	N/A
Chr1	74027548	74027718 Chr1.60437	Tns1(+96814)	N/A
Chr1	74036256	74036364 Chr1.60463	Tns1(+98137)	N/A
Chr1	74422985	74423399 Chr1.6047	Gm9947(-332262), Eya1(-112993)	N/A
Chr1	74049610	74049736 Chr1.60474	Tns1(+74774)	N/A
Chr1	74059795	74059908 Chr1.60484	Tns1(+64595)	N/A
Chr1	74074830	74074952 Chr1.60489	Tns1(+64956)	N/A
Chr1	74088906	74089015 Chr1.60494	Tns1(+55456)	N/A
Chr1	74091915	74092037 Chr1.60502	Tns1(+32471)	N/A
Chr1	74096928	74097059 Chr1.60512	Tns1(+27453)	N/A
Chr1	74098206	74098318 Chr1.60516	Tns1(+26185)	N/A
Chr1	74102426	74102544 Chr1.60522	Tns1(+21962)	N/A
Chr1	74103978	74104096 Chr1.60527	Tns1(+20410)	N/A
Chr1	74109165	74109383 Chr1.60534	Tns1(+15173)	N/A
Chr1	74433196	74433483 Chr1.6063	Gm9947(-322114), Eya1(-123141)	N/A
Chr1	74237809	74237931 Chr1.60672	Gpbar1(-40680), Arpc2(+1373)	N/A
Chr1	74238229	74238475 Chr1.60677	Gpbar1(-40198), Arpc2(+1855)	N/A
Chr1	74240445	74240795 Chr1.60683	Gpbar1(-37930), Arpc2(+4129)	N/A
Chr1	74464377	74464690 Chr1.6069	Gm9947(-290920), Eya1(-154335)	N/A
Chr1	74248933	74249115 Chr1.60692	Gpbar1(-29526), Arpc2(+12527)	N/A
Chr1	74464908	74465213 Chr1.6071	Gm9947(-290393), Eya1(-154862)	N/A
Chr1	74275112	74275214 Chr1.60716	Gpbar1(-3387)	N/A
Chr1	74465259	74465389 Chr1.6076	Gm9947(-290140), Eya1(-155715)	N/A
Chr1	74294867	74285162 Chr1.60773	Aamr(-277), Pnk4(-30)	N/A
Chr1	74285607	74285779 Chr1.60779	Aamr(-655), Pnk4(-648)	N/A
Chr1	74486643	74486877 Chr1.6084	Gm9947(-268694), Eya1(-176561)	N/A
Chr1	74302900	74303000 Chr1.60847	Tmbim1(+1411), Pnk4(+17905)	N/A
Chr1	74487700	74487978 Chr1.6094	Gm9947(-267815), Eya1(-177640)	N/A
Chr1	74489897	74490091 Chr1.6101	Gm9947(-265560), Eya1(-179695)	N/A
Chr1	74391618	74391731 Chr1.61010	Ctdsp1(+166)	N/A
Chr1	74394309	74394416 Chr1.61022	Vil1(-15013), Ctdsp1(+2854)	N/A
Chr1	74492696	74492950 Chr1.6106	Gm9947(-262631), Eya1(-182624)	N/A
Chr1	74505558	74505662 Chr1.61285	Cnot9(-448)	N/A
Chr1	74505782	74505904 Chr1.61269	Cnot9(-215)	N/A
Chr1	74502730	74502943 Chr1.6128	Gm9947(-262667), Eya1(-192588)	N/A
Chr1	74530495	74530744 Chr1.61318	Usp37(+13666), Cnot9(+24562)	N/A
Chr1	74503247	74503362 Chr1.6133	Gm9947(-252149), Eya1(-193106)	N/A
Chr1	74542579	74542722 Chr1.61330	Ploc4(-1713), Usp37(+1635)	N/A
Chr1	74504809	74504928 Chr1.6139	Gm9947(-250585), Eya1(-194670)	N/A
Chr1	74505537	74505674 Chr1.6142	Gm9947(-249848), Eya1(-195407)	N/A
Chr1	74505907	74506071 Chr1.6143	Gm9947(-249465), Eya1(-195790)	N/A
Chr1	74585174	74585278 Chr1.61532	Bca1(-3074), Zfp142(+2802)	N/A
Chr1	74511677	74511824 Chr1.6162	Gm9947(-243703), Eya1(-201552)	N/A
Chr1	74512484	74512980 Chr1.6167	Gm9947(-242722), Eya1(-202533)	N/A
Chr1	74513020	74513180 Chr1.6170	Gm9947(-242354), Eya1(-202901)	N/A
Chr1	74661759	74661865 Chr1.61722	Tlha(+67)	N/A
Chr1	74513495	74513620 Chr1.6176	Gm9947(-241902), Eya1(-203353)	N/A
Chr1	74768534	74768645 Chr1.61932	Wnt6(-3302)	N/A
Chr1	74769885	74770035 Chr1.61937	Wnt6(-1932)	N/A
Chr1	74770966	74771079 Chr1.61939	Wnt6(-869)	N/A
Chr1	74773169	74773287 Chr1.61942	Wnt10a(-18288), Wnt6(+1336)	N/A
Chr1	74774176	74774398 Chr1.61947	Wnt10a(-17229), Wnt6(+2395)	N/A
Chr1	74775705	74775958 Chr1.61956	Wnt10a(-15684), Wnt6(+3940)	N/A
Chr1	74779038	74779158 Chr1.61964	Wnt10a(-12418), Wnt6(+7206)	N/A
Chr1	74780766	74780925 Chr1.61968	Wnt10a(-10670), Wnt6(+8954)	N/A
Chr1	74789265	74789475 Chr1.62002	Wnt10a(-2146)	N/A
Chr1	74790368	74790543 Chr1.62008	Wnt10a(-1010)	N/A
Chr1	74797527	74797694 Chr1.62027	Cdk5(-57423), Wnt10a(+6090)	N/A
Chr1	74797713	74797837 Chr1.62030	Cdk5(-57254), Wnt10a(+6259)	N/A
Chr1	74802051	74802175 Chr1.62046	Cdk5(-52916), Wnt10a(+10597)	N/A
Chr1	74804703	74804942 Chr1.62062	Cdk5(-50206), Wnt10a(+13307)	N/A
Chr1	74806962	74806855 Chr1.62068	Cdk5(-48270), Wnt10a(+15243)	N/A
Chr1	74807191	74807298 Chr1.62070	Cdk5(-47784), Wnt10a(+15729)	N/A
Chr1	74824874	74825098 Chr1.62076	Cdk5(-30043), Wnt10a(+33470)	N/A
Chr1	74850377	74850484 Chr1.62082	Cdk5(-4598)	N/A
Chr1	74851543	74851645 Chr1.62083	Cdk5(-3435)	N/A
Chr1	74857251	74857459 Chr1.62111	Cdk5(+2326), Fw(+28064)	N/A
Chr1	74563847	74564141 Chr1.6212	Eya1(-253795), Gm9947(-191480)	N/A
Chr1	74566400	74566554 Chr1.6227	Eya1(-256278), Gm9947(-188977)	N/A
Chr1	74566900	74567047 Chr1.6231	Eya1(-256575), Gm9947(-188480)	N/A
Chr1	74567082	74567419 Chr1.6235	Eya1(-257052), Gm9947(-188203)	N/A
Chr1	74570104	74570835 Chr1.6240	Eya1(-260271), Gm9947(-184984)	N/A
Chr1	74947952	74948114 Chr1.62425	Ckap65(-12434), Ihn(+3618)	N/A
Chr1	74949836	74949978 Chr1.62443	Ckap65(-14308), Ihn(+1744)	N/A
Chr1	74951949	74952105 Chr1.62450	Ihn(-376)	N/A

Chr1	74964636	74965080	Chr1.62469	<i>lhh(-13207),Nhej1(+81781)</i>	N/A
Chr1	74971733	74971944	Chr1.62478	<i>lhh(-20188),Nhej1(+74800)</i>	N/A
Chr1	74978538	74978979	Chr1.62490	<i>lhh(-27108),Nhej1(+67880)</i>	N/A
Chr1	74979275	74979376	Chr1.62498	<i>lhh(-27675),Nhej1(+67313)</i>	N/A
Chr1	74991966	74992174	Chr1.62507	<i>lhh(-40419),Nhej1(+54569)</i>	N/A
Chr1	75001098	75001343	Chr1.62513	<i>lhh(-49570),Nhej1(+45418)</i>	N/A
Chr1	75001429	75001559	Chr1.62514	<i>lhh(-49843),Nhej1(+45145)</i>	N/A
Chr1	75006003	75006351	Chr1.62523	<i>lhh(-54526),Nhej1(+40462)</i>	N/A
Chr1	75013186	75013504	Chr1.62537	<i>lhh(-61684),Nhej1(+33304)</i>	N/A
Chr1	75013695	75013790	Chr1.62541	<i>lhh(-62087),Nhej1(+32901)</i>	N/A
Chr1	75014423	75014960	Chr1.62543	<i>lhh(-63041),Nhej1(+31947)</i>	N/A
Chr1	75015776	75016238	Chr1.62546	<i>lhh(-64356),Nhej1(+30632)</i>	N/A
Chr1	75024369	75024712	Chr1.62562	<i>lhh(-72890),Nhej1(+22098)</i>	N/A
Chr1	75024868	75025247	Chr1.62566	<i>lhh(-73407),Nhej1(+21581)</i>	N/A
Chr1	75040460	75040767	Chr1.62594	<i>lhh(-8953),Nhej1(+6025)</i>	N/A
Chr1	75133970	75134097	Chr1.62657	<i>Slc23a3(-144)</i>	N/A
Chr1	75190772	75190910	Chr1.62889	<i>Ankzf1(-1319),Atg9a(+1082)</i>	N/A
Chr1	75191962	75192204	Chr1.62898	<i>Atg9a(-160),Ankzf1(-77)</i>	N/A
Chr1	14627293	14627335	Chr1.6306	<i>Eya1(-317215),Gm9947(-128040)</i>	N/A
Chr1	75218453	75218602	Chr1.63098	<i>Tuba4a(+725)</i>	N/A
Chr1	75219179	75219296	Chr1.63107	<i>Tuba4a(+15)</i>	N/A
Chr1	75229545	75229795	Chr1.63115	<i>Tuba4a(-10417),A630095n17rk(+2423)</i>	N/A
Chr1	75244447	75244726	Chr1.63156	<i>Dnajb2(+8122),Plpm(+19621)</i>	N/A
Chr1	75250861	75250963	Chr1.63180	<i>Plpm(+13296),Dnajb2(+14447)</i>	N/A
Chr1	75373932	75381863	Chr1.63316	<i>Des(-22281),Dnpep(-20411)</i>	N/A
Chr1	75396324	753939861	Chr1.63323	<i>Dnpep(-22110),Des(-20582)</i>	N/A
Chr1	75349027	75349126	Chr1.63340	<i>Dnpep(-31440),Des(-11252)</i>	N/A
Chr1	75375180	75375351	Chr1.63402	<i>Spep(-31)</i>	N/A
Chr1	75380103	75380288	Chr1.63413	<i>Gmppa(-55747),Spep(+4899)</i>	N/A
Chr1	75385525	75386678	Chr1.63426	<i>Gmppa(-50341),Spep(+10305)</i>	N/A
Chr1	75386191	75386355	Chr1.63430	<i>Gmppa(-49671),Spep(+10975)</i>	N/A
Chr1	75393914	75394021	Chr1.63483	<i>Gmppa(-41975),Spep(+18671)</i>	N/A
Chr1	75400081	75400433	Chr1.63488	<i>Gmppa(-35686),Spep(+24960)</i>	N/A
Chr1	75403736	75403924	Chr1.63520	<i>Gmppa(-32113),Spep(+28533)</i>	N/A
Chr1	14662776	14662997	Chr1.6355	<i>Eya1(-352688),Gm9947(-92567)</i>	N/A
Chr1	75433944	75434102	Chr1.63786	<i>Gmppa(-1920)</i>	N/A
Chr1	75443225	75443380	Chr1.63852	<i>Asic4(-7396),Gmppa(+7360)</i>	N/A
Chr1	75443752	75443948	Chr1.63855	<i>Asic4(-6849),Gmppa(+7907)</i>	N/A
Chr1	75446846	75447099	Chr1.63867	<i>Asic4(-3726)</i>	N/A
Chr1	75449197	75449400	Chr1.63872	<i>Asic4(-1400)</i>	N/A
Chr1	75457007	75457171	Chr1.63898	<i>Asic4(+6390),Chpf(+22182)</i>	N/A
Chr1	75464559	75465129	Chr1.63904	<i>Chpf(+14227),Asic4(+14345)</i>	N/A
Chr1	75492367	75492367	Chr1.64141	<i>Tmem198(+12300),Obsl1(+141151)</i>	N/A
Chr1	14708176	14708395	Chr1.6422	<i>Eya1(-398087),Gm9947(-47168)</i>	N/A
Chr1	75506575	75506696	Chr1.64287	<i>Inha(-441),Obsl1(-275)</i>	N/A
Chr1	75506966	75507117	Chr1.64290	<i>Obsl1(-681),Inha(-35)</i>	N/A
Chr1	14712464	14712829	Chr1.6434	<i>Eya1(-40248),Gm9947(-42807)</i>	N/A
Chr1	75559476	75559645	Chr1.64546	<i>Slc4a3(-13299)</i>	N/A
Chr1	75561781	75562004	Chr1.64552	<i>Slc4a3(-15627)</i>	N/A
Chr1	75582140	75582438	Chr1.64585	<i>Slc4a3(+36023)</i>	N/A
Chr1	75582481	75582665	Chr1.64589	<i>Slc4a3(+36307)</i>	N/A
Chr1	75589946	75589199	Chr1.64593	<i>Slc4a3(+42807)</i>	N/A
Chr1	75594457	75594481	Chr1.64601	<i>Slc4a3(+48253)</i>	N/A
Chr1	75594799	75594878	Chr1.64605	<i>Slc4a3(+48568)</i>	N/A
Chr1	75610498	75610775	Chr1.64634	<i>Slc4a3(+64371)</i>	N/A
Chr1	75617385	75617535	Chr1.64654	<i>Slc4a3(+71194)</i>	N/A
Chr1	75618371	75618710	Chr1.64659	<i>Slc4a3(+72275)</i>	N/A
Chr1	75657224	75657406	Chr1.64690	<i>Slc4a3(+111049)</i>	N/A
Chr1	75667691	75667936	Chr1.64708	<i>Slc4a3(+121548)</i>	N/A
Chr1	75680522	75680690	Chr1.64718	<i>Slc4a3(+134340)</i>	N/A
Chr1	75693041	75693390	Chr1.64725	<i>Slc4a3(+146590)</i>	N/A
Chr1	75704643	75704908	Chr1.64750	<i>Slc4a3(+158510)</i>	N/A
Chr1	75748758	75749119	Chr1.64803	<i>Slc4a3(+202673)</i>	N/A
Chr1	75749855	75750047	Chr1.64810	<i>Slc4a3(+203685)</i>	N/A
Chr1	75773139	75773301	Chr1.64836	<i>Slc4a3(+226954)</i>	N/A
Chr1	75797819	75798018	Chr1.64871	<i>Slc4a3(+251653)</i>	N/A
Chr1	75802554	75802691	Chr1.64876	<i>Slc4a3(+256357)</i>	N/A
Chr1	75839691	75839814	Chr1.64924	<i>Slc4a3(+293487)</i>	N/A
Chr1	75843729	75843886	Chr1.64944	<i>Slc4a3(+297543)</i>	N/A
Chr1	75844466	75844971	Chr1.64950	<i>Slc4a3(+380589)</i>	N/A
Chr1	75870067	75870301	Chr1.64966	<i>Slc4a3(+323913)</i>	N/A
Chr1	75877341	75877483	Chr1.64979	<i>Slc4a3(+331146)</i>	N/A
Chr1	75877549	75877717	Chr1.64981	<i>Slc4a3(+331367)</i>	N/A
Chr1	75885881	75886044	Chr1.64991	<i>Slc4a3(+342547)</i>	N/A
Chr1	75890033	75890137	Chr1.64999	<i>Slc4a3(+343819)</i>	N/A
Chr1	75893067	75893654	Chr1.65002	<i>Slc4a3(+342465)</i>	N/A
Chr1	75890857	75891018	Chr1.65006	<i>Slc4a3(+344672)</i>	N/A
Chr1	75916729	75916916	Chr1.65035	<i>Slc4a3(+370557)</i>	N/A
Chr1	75916957	75917066	Chr1.65040	<i>Slc4a3(+370746)</i>	N/A
Chr1	75926024	75926264	Chr1.65049	<i>Slc4a3(+379878)</i>	N/A
Chr1	75926791	75926919	Chr1.65055	<i>Slc4a3(+380589)</i>	N/A
Chr1	75931406	75931573	Chr1.65060	<i>Slc4a3(+385224)</i>	N/A
Chr1	75936638	75937066	Chr1.65070	<i>Slc4a3(+390586)</i>	N/A
Chr1	75937167	75937338	Chr1.65076	<i>Slc4a3(+390987)</i>	N/A
Chr1	75940340	75940672	Chr1.65082	<i>Slc4a3(+394240)</i>	N/A
Chr1	75973558	75975777	Chr1.65109	<i>Slc4a3(+429302)</i>	N/A
Chr1	76001144	76001329	Chr1.65155	<i>Slc4a3(+454971)</i>	N/A
Chr1	76009710	76009878	Chr1.65164	<i>Slc4a3(+463528)</i>	N/A
Chr1	76012116	76012222	Chr1.65176	<i>Slc4a3(+465903)</i>	N/A
Chr1	76024699	76025013	Chr1.65199	<i>Slc4a3(+478590)</i>	N/A
Chr1	76025155	76025371	Chr1.65203	<i>Slc4a3(+478997)</i>	N/A
Chr1	76025413	76025635	Chr1.65207	<i>Slc4a3(+479208)</i>	N/A
Chr1	76031438	76031537	Chr1.65224	<i>Slc4a3(+485222)</i>	N/A
Chr1	76031634	76031810	Chr1.65227	<i>Slc4a3(+485456)</i>	N/A
Chr1	76049521	76049696	Chr1.65252	<i>Slc4a3(+503343)</i>	N/A
Chr1	76049748	76050100	Chr1.65258	<i>Slc4a3(+503658)</i>	N/A
Chr1	76053517	76053652	Chr1.65265	<i>Slc4a3(+507319)</i>	N/A
Chr1	76064998	76068628	Chr1.65285	<i>Slc4a3(+522967)</i>	N/A
Chr1	76076132	76076357	Chr1.65310	<i>Slc4a3(+529979)</i>	N/A
Chr1	76080295	76080469	Chr1.65326	<i>Slc4a3(+534116)</i>	N/A
Chr1	76080726	76080921	Chr1.65334	<i>Slc4a3(+534558)</i>	N/A
Chr1	76088338	76088457	Chr1.65342	<i>Slc4a3(+542132)</i>	N/A
Chr1	76091034	76091170	Chr1.65345	<i>Slc4a3(+544836)</i>	N/A
Chr1	76120786	76120954	Chr1.65411	<i>Slc4a3(+574604)</i>	N/A
Chr1	76137474	76137637	Chr1.65430	<i>Slc4a3(+591290)</i>	N/A
Chr1	76138016	76138197	Chr1.65437	<i>Slc4a3(+591841)</i>	N/A
Chr1	76194986	76195162	Chr1.65489	<i>Slc4a3(+648808)</i>	N/A
Chr1	76225298	76225531	Chr1.65539	<i>Slc4a3(+679149)</i>	N/A
Chr1	76246761	76246877	Chr1.65546	<i>Slc4a3(+700553)</i>	N/A
Chr1	76276183	76276304	Chr1.65613	<i>Slc4a3(+729978)</i>	N/A
Chr1	76323766	76323964	Chr1.65674	<i>Slc4a3(+777599)</i>	N/A
Chr1	14841726	14841836	Chr1.6568	<i>Msc(-85815),Tpa1(+77081)</i>	N/A
Chr1	76362159	76362437	Chr1.65706	<i>Msc(+816032)</i>	N/A
Chr1	76404034	76404271	Chr1.65781	<i>Slc4a3(+857887)</i>	N/A
Chr1	76433048	76433084	Chr1.65809	<i>Slc4a3(+883950)</i>	N/A
Chr1	76433660	76433963	Chr1.65815	<i>Slc4a3(+887546)</i>	N/A
Chr1	76489640	76489752	Chr1.65898	<i>Slc4a3(+943430)</i>	N/A
Chr1	76489935	76490233	Chr1.65902	<i>Slc4a3(+943818)</i>	N/A
Chr1	76490752	76491128	Chr1.65907	<i>Slc4a3(+944674)</i>	N/A
Chr1	76491591	76491621	Chr1.65912	<i>Slc4a3(+945225)</i>	N/A
Chr1	76529585	76529678	Chr1.65972	<i>Slc4a3(-985466),Epha4(+985356)</i>	N/A
Chr1	76535469	76535668	Chr1.65989	<i>Epha4(+979519),Slc4a3(+989303)</i>	N/A
Chr1	76560162	76560317	Chr1.66018	<i>Epha4(+954848)</i>	N/A
Chr1	76637343	76637556	Chr1.66108	<i>Epha4(+877638)</i>	N/A
Chr1	76642943	76643059	Chr1.66118	<i>Epha4(+872087)</i>	N/A
Chr1	7664403	76644636	Chr1.66152	<i>Epha4(+850568)</i>	N/A
Chr1	76737209	76737415	Chr1.66213	<i>Epha4(+777776)</i>	N/A
Chr1	76865977	76866140	Chr1.66368	<i>Epha4(+649029)</i>	N/A
Chr1	76866265	76866673	Chr1.66372	<i>Epha4(+648619)</i>	N/A
Chr1	76880788	76881139	Chr1.66391	<i>Epha4(+634124)</i>	N/A
Chr1	76886573	76886590	Chr1.66416	<i>Epha4(+619621)</i>	N/A
Chr1	76893448	76893474	Chr1.66420	<i>Epha4(+618677)</i>	N/A
Chr1	76896622	76896878	Chr1.66425	<i>Epha4(+618338)</i>	N/A
Chr1	76907684	76907803	Chr1.66456	<i>Epha4(+607344)</i>	N/A
Chr1	76907938	76908093	Chr1.66460	<i>Epha4(+607072)</i>	N/A
Chr1	76975809	76975931	Chr1.66580	<i>Epha4(+639218)</i>	N/A
Chr1	77038329	77038569	Chr1.66661	<i>Epha4(+478638)</i>	N/A
Chr1	77074665	77074864	Chr1.66713	<i>Epha4(+440323)</i>	N/A

Chr1	77081672	77081812	Chr1.66729	<i>Epha4(+433346)</i>	N/A
Chr1	77102038	77102582	Chr1.66758	<i>Epha4(+412778)</i>	N/A
Chr1	77140916	77141384	Chr1.66813	<i>Epha4(+373939)</i>	N/A
Chr1	77226591	77226829	Chr1.66949	<i>Epha4(+283376)</i>	N/A
Chr1	77227049	77227168	Chr1.66952	<i>Epha4(+287970)</i>	N/A
Chr1	77227539	77227672	Chr1.66959	<i>Epha4(+287482)</i>	N/A
Chr1	77227855	77227996	Chr1.66965	<i>Epha4(+287162)</i>	N/A
Chr1	77232239	77232405	Chr1.66970	<i>Epha4(+282766)</i>	N/A
Chr1	77246179	77246367	Chr1.67005	<i>Epha4(+268815)</i>	N/A
Chr1	77254504	77254728	Chr1.67023	<i>Epha4(+260472)</i>	N/A
Chr1	77258348	77258739	Chr1.67042	<i>Epha4(+255547)</i>	N/A
Chr1	77259650	77259832	Chr1.67045	<i>Epha4(+255371)</i>	N/A
Chr1	77259862	77259971	Chr1.67049	<i>Epha4(+255171)</i>	N/A
Chr1	77265725	77265839	Chr1.67056	<i>Epha4(+249306)</i>	N/A
Chr1	77279401	77279709	Chr1.67087	<i>Epha4(+235533)</i>	N/A
Chr1	77326243	77326403	Chr1.67176	<i>Epha4(+188765)</i>	N/A
Chr1	77338308	77338512	Chr1.67186	<i>Epha4(+176678)</i>	N/A
Chr1	77350369	77350580	Chr1.67200	<i>Epha4(+164613)</i>	N/A
Chr1	77350847	77351072	Chr1.67205	<i>Epha4(+164128)</i>	N/A
Chr1	77361611	77361957	Chr1.67219	<i>Epha4(+153304)</i>	N/A
Chr1	77383497	77383859	Chr1.67310	<i>Epha4(+131414)</i>	N/A
Chr1	77385940	77386137	Chr1.67320	<i>Epha4(+129049)</i>	N/A
Chr1	77387180	77387367	Chr1.67324	<i>Epha4(+127814)</i>	N/A
Chr1	77396583	77396959	Chr1.67365	<i>Epha4(+118317)</i>	N/A
Chr1	77403702	77403897	Chr1.67394	<i>Epha4(+111288)</i>	N/A
Chr1	77407744	77407871	Chr1.67408	<i>Epha4(+107280)</i>	N/A
Chr1	77413041	77413269	Chr1.67419	<i>Epha4(+101933)</i>	N/A
Chr1	77423592	77423719	Chr1.67454	<i>Epha4(+91432)</i>	N/A
Chr1	77429187	77429354	Chr1.67473	<i>Epha4(+85817)</i>	N/A
Chr1	77438084	77438263	Chr1.67501	<i>Epha4(+78914)</i>	N/A
Chr1	77440452	77440814	Chr1.67507	<i>Epha4(+774433)</i>	N/A
Chr1	77458536	77458755	Chr1.67552	<i>Epha4(+56442)</i>	N/A
Chr1	77470897	77471011	Chr1.67572	<i>Epha4(+44134)</i>	N/A
Chr1	77471123	77471267	Chr1.67575	<i>Epha4(+43893)</i>	N/A
Chr1	15148473	15148604	Chr1.6759	<i>Tipa1(-229677),Kcnb2(-138720)</i>	N/A
Chr1	77494053	77494232	Chr1.67605	<i>Epha4(+20945)</i>	N/A
Chr1	77496008	77496008	Chr1.67614	<i>Epha4(+19481)</i>	N/A
Chr1	77496861	77497123	Chr1.67628	<i>Epha4(+18096)</i>	N/A
Chr1	77502834	77503001	Chr1.67650	<i>Epha4(+12170)</i>	N/A
Chr1	77505356	77505477	Chr1.67661	<i>Epha4(+9671)</i>	N/A
Chr1	77506225	77506355	Chr1.67665	<i>Epha4(+8798)</i>	N/A
Chr1	77507493	77507738	Chr1.67684	<i>Epha4(+7473)</i>	N/A
Chr1	77510283	77510508	Chr1.67695	<i>Epha4(+6892)</i>	N/A
Chr1	77511302	77511641	Chr1.67701	<i>Epha4(+3616)</i>	N/A
Chr1	77511793	77512213	Chr1.67707	<i>Epha4(+3085)</i>	N/A
Chr1	77512630	77512744	Chr1.67713	<i>Epha4(+2401)</i>	N/A
Chr1	77521913	77522033	Chr1.67731	<i>Epha4(-6885),Pax3(+674865)</i>	N/A
Chr1	77539779	77539886	Chr1.67767	<i>Epha4(+24745),Pax3(+657005)</i>	N/A
Chr1	15287166	15287507	Chr1.6785	<i>Kcnb2(+78)</i>	N/A
Chr1	15287543	15287828	Chr1.6787	<i>Kcnb2(+427)</i>	N/A
Chr1	15287933	15288097	Chr1.6791	<i>Kcnb2(+756)</i>	N/A
Chr1	77847834	77847992	Chr1.68198	<i>Epha4(-332825),Pax3(+348925)</i>	N/A
Chr1	77944123	77944234	Chr1.68322	<i>Epha4(+429091),Pax3(+252659)</i>	N/A
Chr1	77981672	77981847	Chr1.68342	<i>Epha4(+466672),Pax3(+215078)</i>	N/A
Chr1	77982081	77982241	Chr1.68347	<i>Epha4(+467073),Pax3(+214677)</i>	N/A
Chr1	78004480	78004656	Chr1.68368	<i>Epha4(-489480),Pax3(+192270)</i>	N/A
Chr1	78016544	78016765	Chr1.68389	<i>Epha4(-501567),Pax3(+180183)</i>	N/A
Chr1	78017353	78017453	Chr1.68392	<i>Epha4(-502315),Pax3(+179435)</i>	N/A
Chr1	78017987	78018747	Chr1.68395	<i>Epha4(-503279),Pax3(+178471)</i>	N/A
Chr1	78021305	78021651	Chr1.68400	<i>Epha4(-506390),Pax3(+175380)</i>	N/A
Chr1	78022247	78022419	Chr1.68405	<i>Epha4(-507245),Pax3(+174505)</i>	N/A
Chr1	78022528	78022768	Chr1.68409	<i>Epha4(-507560),Pax3(+174190)</i>	N/A
Chr1	78027155	78027322	Chr1.68421	<i>Epha4(-512151),Pax3(+169599)</i>	N/A
Chr1	78060335	78060649	Chr1.68474	<i>Epha4(-551404),Pax3(+130346)</i>	N/A
Chr1	78080013	78080160	Chr1.68489	<i>Epha4(-564999),Pax3(+116751)</i>	N/A
Chr1	78080656	78080934	Chr1.68493	<i>Epha4(-565707),Pax3(+116043)</i>	N/A
Chr1	78081691	78081838	Chr1.68498	<i>Epha4(-566677),Pax3(+115073)</i>	N/A
Chr1	78081867	78082193	Chr1.68501	<i>Epha4(-566942),Pax3(+114808)</i>	N/A
Chr1	78102935	78103201	Chr1.68534	<i>Epha4(-587980),Pax3(+93770)</i>	N/A
Chr1	78108579	78108714	Chr1.68545	<i>Epha4(-593559),Pax3(+86191)</i>	N/A
Chr1	78109308	78109493	Chr1.68549	<i>Epha4(-594313),Pax3(+87437)</i>	N/A
Chr1	78110330	78110638	Chr1.68556	<i>Epha4(-595396),Pax3(+86354)</i>	N/A
Chr1	78113375	78113486	Chr1.68564	<i>Epha4(-598343),Pax3(+83407)</i>	N/A
Chr1	78115073	78115220	Chr1.68576	<i>Epha4(-600059),Pax3(+81691)</i>	N/A
Chr1	78115634	78115803	Chr1.68581	<i>Epha4(-600631),Pax3(+81119)</i>	N/A
Chr1	78120193	78121008	Chr1.68589	<i>Epha4(-605513),Pax3(+76237)</i>	N/A
Chr1	78124469	78124593	Chr1.68608	<i>Epha4(-609443),Pax3(+72307)</i>	N/A
Chr1	78129248	78129560	Chr1.68612	<i>Epha4(-614316),Pax3(+67434)</i>	N/A
Chr1	78139320	78139671	Chr1.68636	<i>Epha4(-624408),Pax3(+57342)</i>	N/A
Chr1	78139722	78139825	Chr1.68638	<i>Epha4(-624686),Pax3(+57064)</i>	N/A
Chr1	78140591	78140767	Chr1.68640	<i>Epha4(-625591),Pax3(+56159)</i>	N/A
Chr1	78142004	78142270	Chr1.68646	<i>Epha4(-627094),Pax3(+54656)</i>	N/A
Chr1	78158032	78158149	Chr1.68670	<i>Epha4(-643003),Pax3(+38747)</i>	N/A
Chr1	78167494	78167645	Chr1.68682	<i>Epha4(-652482),Pax3(+29268)</i>	N/A
Chr1	78167686	78167847	Chr1.68684	<i>Epha4(-652679),Pax3(+29071)</i>	N/A
Chr1	78167930	78168238	Chr1.68685	<i>Epha4(-652990),Pax3(+28754)</i>	N/A
Chr1	78171327	78171222	Chr1.68695	<i>Epha4(-656637),Pax3(+25115)</i>	N/A
Chr1	78172391	78172680	Chr1.68700	<i>Epha4(-657448),Pax3(+24302)</i>	N/A
Chr1	78173771	78173888	Chr1.68707	<i>Epha4(-658742),Pax3(+23008)</i>	N/A
Chr1	78173977	78174098	Chr1.68710	<i>Epha4(-658950),Pax3(+22800)</i>	N/A
Chr1	78181959	78182134	Chr1.68725	<i>Epha4(-666959),Pax3(+14791)</i>	N/A
Chr1	78187318	78187708	Chr1.68739	<i>Epha4(-672425),Pax3(+9325)</i>	N/A
Chr1	78187814	78188041	Chr1.68744	<i>Epha4(-672890),Pax3(+8850)</i>	N/A
Chr1	78189081	78189249	Chr1.68750	<i>Epha4(-674077),Pax3(+7673)</i>	N/A
Chr1	78189507	78189725	Chr1.68753	<i>Epha4(-674528),Pax3(+7222)</i>	N/A
Chr1	78190547	78191025	Chr1.68756	<i>Epha4(-675698),Pax3(+6052)</i>	N/A
Chr1	78193055	78193179	Chr1.68764	<i>Epha4(-678209),Pax3(+3721)</i>	N/A
Chr1	78197940	78198338	Chr1.68784	<i>Pax3(-1301)</i>	N/A
Chr1	78202894	78203060	Chr1.68788	<i>Sgpp2(-107369),Pax3(-6139)</i>	N/A
Chr1	78203778	78203919	Chr1.68790	<i>Sgpp2(-106497),Pax3(-7011)</i>	N/A
Chr1	78215763	78215890	Chr1.68811	<i>Sgpp2(-94519),Pax3(-18989)</i>	N/A
Chr1	78232711	78232917	Chr1.68817	<i>Sgpp2(-77532),Pax3(-35976)</i>	N/A
Chr1	78343921	78344086	Chr1.68842	<i>Sgpp2(-33558),Farab(+144842)</i>	N/A
Chr1	78364310	78364431	Chr1.68866	<i>Sgpp2(-54025),Farab(+124475)</i>	N/A
Chr1	78409626	78409752	Chr1.68910	<i>Farab(+79157),Sgpp2(+99343)</i>	N/A
Chr1	78427127	78427273	Chr1.68958	<i>Farab(+61646),Sgpp2(+116854)</i>	N/A
Chr1	78429119	78429233	Chr1.68962	<i>Farab(+59670),Sgpp2(+118830)</i>	N/A
Chr1	78439896	78440051	Chr1.68971	<i>Farab(+48872),Sgpp2(+129628)</i>	N/A
Chr1	78441059	78441170	Chr1.68975	<i>Farab(+47731),Sgpp2(+130769)</i>	N/A
Chr1	78447256	78447394	Chr1.68982	<i>Farab(+41521),Sgpp2(+136979)</i>	N/A
Chr1	78448053	78448340	Chr1.68985	<i>Farab(+40649),Sgpp2(+137851)</i>	N/A
Chr1	78461814	78461966	Chr1.69003	<i>Farab(+26956),Sgpp2(+151544)</i>	N/A
Chr1	78567932	78568139	Chr1.69092	<i>Acs3(-89789),Bco35947(-56073)</i>	N/A
Chr1	78734627	78734751	Chr1.69221	<i>Kcne4(-82260),Utp14b(+76249)</i>	N/A
Chr1	78812260	78812435	Chr1.69254	<i>Kcne4(-4601)</i>	N/A
Chr1	78816753	78816914	Chr1.69257	<i>Kcne4(-115)</i>	N/A
Chr1	78818991	78819232	Chr1.69279	<i>Kcne4(+2163),Scg2(+620978)</i>	N/A
Chr1	78819721	78819900	Chr1.69289	<i>Kcne4(+2862),Scg2(+620279)</i>	N/A
Chr1	15358540	15358686	Chr1.6929	<i>Kcnb2(-353690),Kcnb2(+71354)</i>	N/A
Chr1	78821118	78821439	Chr1.69293	<i>Kcne4(+4330),Scg2(+618811)</i>	N/A
Chr1	78822025	78822244	Chr1.69302	<i>Kcne4(+5158),Scg2(+617658)</i>	N/A
Chr1	78838464	78838588	Chr1.69313	<i>Kcne4(+21577),Scg2(+601564)</i>	N/A
Chr1	78864512	78864614	Chr1.69346	<i>Kcne4(+47614),Scg2(+575527)</i>	N/A
Chr1	78876297	78876432	Chr1.69354	<i>Kcne4(+59416),Scg2(+563752)</i>	N/A
Chr1	78944305	78944522	Chr1.69409	<i>Kcne4(+127465),Scg2(+495576)</i>	N/A
Chr1	79581398	79581598	Chr1.69722	<i>Scg2(-114507),Ap1s3(+90475)</i>	N/A
Chr1	79857678	79857814	Chr1.69942	<i>Serpine2(+950)</i>	N/A
Chr1	79861309	79861522	Chr1.69951	<i>Serpine2(-2720)</i>	N/A
Chr1	79876901	79877086	Chr1.69960	<i>Serpine2(-18298),Fam124b(+336950)</i>	N/A
Chr1	79978340	79978551	Chr1.70036	<i>Serpine2(-119750),Fam124b(+235498)</i>	N/A
Chr1	80018676	80018916	Chr1.70051	<i>Serpine2(-160100),Fam124b(+195149)</i>	N/A
Chr1	80033159	80033394	Chr1.70075	<i>Serpine2(-174551),Fam124b(+180657)</i>	N/A
Chr1	80033434	80033692	Chr1.70077	<i>Serpine2(-174867),Fam124b(+180381)</i>	N/A
Chr1	80033773	80033979	Chr1.70082	<i>Serpine2(-175180),Fam124b(+180068)</i>	N/A
Chr1	80061753	80061900	Chr1.70095	<i>Serpine2(-203131),Fam124b(+152117)</i>	N/A
Chr1	80214019	80214189	Chr1.70175	<i>Fam124b(-160)</i>	N/A
Chr1	80339424	80339625	Chr1.70249	<i>Fam124b(-125331),Cu3(+1005)</i>	N/A
Chr1	80390441	80390682	Chr1.70291	<i>Cu3(-50082),Dock10(+367991)</i>	N/A

Chr1	80503876	80504027	Chr1.70366	Cul3(-163472), Dock10(+254601)	N/A
Chr1	80662155	80662322	Chr1.70614	Cul3(-321759), Dock10(+96314)	N/A
Chr1	80706277	80706669	Chr1.70646	Cul3(-368993), Dock10(+49060)	N/A
Chr1	80710155	80710260	Chr1.70648	Cul3(-369728), Dock10(+48345)	N/A
Chr1	80710357	80710612	Chr1.70652	Cul3(-370005), Dock10(+48068)	N/A
Chr1	80737060	80737200	Chr1.70686	Cul3(-396650), Dock10(+21423)	N/A
Chr1	81077253	81077657	Chr1.70922	Nypa2(+138)	N/A
Chr1	81216056	81216243	Chr1.71115	Nypa2(+138833)	N/A
Chr1	81520767	81521114	Chr1.71377	Gm9747(-712171), Nypa2(+443624)	N/A
Chr1	81521540	81521703	Chr1.71386	Gm9747(-711490), Nypa2(+444305)	N/A
Chr1	81537341	81537495	Chr1.71399	Gm9747(-695694), Nypa2(+460101)	N/A
Chr1	81593378	81593647	Chr1.71436	Gm9747(-639599), Nypa2(+516196)	N/A
Chr1	81594064	81594291	Chr1.71443	Gm9747(-638934), Nypa2(+516861)	N/A
Chr1	81594814	81594871	Chr1.71450	Gm9747(-638359), Nypa2(+517426)	N/A
Chr1	81608786	81609010	Chr1.71452	Gm9747(-624224), Nypa2(+531571)	N/A
Chr1	81675732	81675846	Chr1.71474	Gm9747(-557323), Nypa2(+598472)	N/A
Chr1	81678099	81678243	Chr1.71488	Gm9747(-554941), Nypa2(+600854)	N/A
Chr1	81718359	81718541	Chr1.71516	Gm9747(-514662), Nypa2(+641133)	N/A
Chr1	81737175	81737335	Chr1.71524	Gm9747(-495857), Nypa2(+659938)	N/A
Chr1	81744964	81744984	Chr1.71548	Gm9747(-488356), Nypa2(+667439)	N/A
Chr1	81745000	81745217	Chr1.71557	Gm9747(-488003), Nypa2(+667780)	N/A
Chr1	81745851	81745968	Chr1.71562	Gm9747(-487202), Nypa2(+668593)	N/A
Chr1	81857787	81857928	Chr1.71664	Gm9747(-375254), Nypa2(+780541)	N/A
Chr1	15649795	15649954	Chr1.7168	Kcnb2(-62428), Kcnb2(+362616)	N/A
Chr1	81904294	81904398	Chr1.71701	Gm9747(-328766), Nypa2(+827029)	N/A
Chr1	15652049	15652177	Chr1.71714	Kcnab2(-60190), Nypa2(+364854)	N/A
Chr1	82002302	82002530	Chr1.71804	Gm9747(-230696), Nypa2(+925099)	N/A
Chr1	82041532	82041834	Chr1.71865	Gm9747(-191429), Nypa2(+964366)	N/A
Chr1	82042106	82042337	Chr1.71868	Gm9747(-190890), Nypa2(+964905)	N/A
Chr1	82068696	82067007	Chr1.71897	Gm9747(-166160), Nypa2(+989635)	N/A
Chr1	82109108	82108235	Chr1.71952	Gm9747(-123940)	N/A
Chr1	82110026	82110225	Chr1.71957	Gm9747(-123986)	N/A
Chr1	82112624	82112842	Chr1.71962	Gm9747(-120379)	N/A
Chr1	82129613	82129802	Chr1.71985	Gm9747(-103404)	N/A
Chr1	82150790	82151058	Chr1.72000	Gm9747(-82188)	N/A
Chr1	82200076	82200207	Chr1.72047	Gm9747(-32970)	N/A
Chr1	82203889	82204092	Chr1.72062	Gm9747(-29117)	N/A
Chr1	82221135	82221400	Chr1.72078	Gm9747(-11844)	N/A
Chr1	82227347	82227454	Chr1.72088	Gm9747(-5711)	N/A
Chr1	82245202	82245350	Chr1.72154	Gm9747(+12164), Irs1(+46140)	N/A
Chr1	82253257	82253369	Chr1.72159	Gm9747(+20201), Irs1(+38103)	N/A
Chr1	82253716	82253852	Chr1.72162	Gm9747(+20672), Irs1(+37632)	N/A
Chr1	82258403	82258531	Chr1.72179	Gm9747(+25355), Irs1(+32949)	N/A
Chr1	82272410	82272511	Chr1.72217	Irs1(+18955), Gm9747(+38349)	N/A
Chr1	82273681	82273922	Chr1.72222	Irs1(+17614), Gm9747(+40690)	N/A
Chr1	82283073	82283231	Chr1.72233	Irs1(+8264), Gm9747(+50040)	N/A
Chr1	82285538	82285759	Chr1.72240	Irs1(+5767), Gm9747(+52537)	N/A
Chr1	82285908	82286008	Chr1.72244	Irs1(+5460), Gm9747(+52844)	N/A
Chr1	82293016	82293139	Chr1.72339	Irs1(-1662)	N/A
Chr1	82320237	82320394	Chr1.72375	Irs1(-28900), Rhbdd1(-18733)	N/A
Chr1	82320716	82320830	Chr1.72385	Irs1(-29357), Rhbdd1(-18276)	N/A
Chr1	82362201	82362516	Chr1.72467	Rhbdd1(+23310), Col4a4(+224490)	N/A
Chr1	82375534	82375981	Chr1.72493	Rhbdd1(+36709), Col4a4(+211091)	N/A
Chr1	82385756	82385909	Chr1.72509	Rhbdd1(+46784), Col4a4(+201018)	N/A
Chr1	82385998	82386191	Chr1.72512	Rhbdd1(+47046), Col4a4(+200754)	N/A
Chr1	82428658	82428893	Chr1.72536	Rhbdd1(+89727), Col4a4(+158073)	N/A
Chr1	82429139	82429263	Chr1.72543	Rhbdd1(+90152), Col4a4(+157648)	N/A
Chr1	82448861	82449005	Chr1.72569	Rhbdd1(+109884), Col4a4(+137916)	N/A
Chr1	82452183	82452447	Chr1.72575	Rhbdd1(+113260), Col4a4(+134534)	N/A
Chr1	82476219	82476349	Chr1.72662	Col4a4(+110565), Rhbdd1(+137235)	N/A
Chr1	82586300	82586477	Chr1.72843	Col4a3(-587), Col4a4(+460)	N/A
Chr1	82603497	82603642	Chr1.72852	Mlf1(-121320), Col4a3(+16594)	N/A
Chr1	82724856	82724986	Chr1.73165	Mlf1(+31)	N/A
Chr1	82728020	82728268	Chr1.73178	Mlf1(-3253), Tm4sf20(+40318)	N/A
Chr1	83787028	83787191	Chr1.73814	Sphkap(-388910), Ptdf1(+487535)	N/A
Chr1	83871258	83871448	Chr1.73859	Sphkap(-463153), Ptdf1(+413292)	N/A
Chr1	84087820	84087991	Chr1.74044	Sphkap(-679706), Ptdf1(+196739)	N/A
Chr1	84710436	84710559	Chr1.74538	Dnr(-14277), Trip12(+128806)	N/A
Chr1	84837489	84837786	Chr1.74654	Fbxo36(-2213), Trip12(+1676)	N/A
Chr1	84839487	84839674	Chr1.74663	Trip12(-282), Fbxo36(-255)	N/A
Chr1	84840228	84840348	Chr1.74670	Trip12(-984), Fbxo36(+447)	N/A
Chr1	84935163	84935293	Chr1.74748	Slc16a1(-103)	N/A
Chr1	85742867	85743088	Chr1.74814	A630001g21rk(+35665), Sp100(+92928)	N/A
Chr1	85794677	85794779	Chr1.74850	Itm2c(-99553), Cab39(+1287)	N/A
Chr1	85809448	85809683	Chr1.74860	Itm2c(-84765), Cab39(+16075)	N/A
Chr1	85810498	85810617	Chr1.74862	Itm2c(-83723), Cab39(+17117)	N/A
Chr1	86234316	86234547	Chr1.75244	B3gnt1(-68789), Ammc9(+79622)	N/A
Chr1	86294517	86294626	Chr1.75270	B3gnt1(-8649), Ammc9(+139762)	N/A
Chr1	86294722	86294845	Chr1.75273	B3gnt1(-8437), Ammc9(+139974)	N/A
Chr1	86104325	86104491	Chr1.7538	Rdh10(-1366), Rpl7(+254)	N/A
Chr1	86434536	86434672	Chr1.75436	Ptma(-92132), Tex44(+8275)	N/A
Chr1	86507958	86508079	Chr1.75452	Ptma(-18717), Tex44(+61699)	N/A
Chr1	86522632	86522740	Chr1.75461	Ptma(-4050)	N/A
Chr1	86525322	86525530	Chr1.75463	Ptma(-1310)	N/A
Chr1	86526526	86526702	Chr1.75472	Ptma(-122)	N/A
Chr1	86565676	86565822	Chr1.75508	Pde6d(-16789), Ptma(+39013)	N/A
Chr1	86565278	86565219	Chr1.75525	Cops7b(-25), Pde6d(-102)	N/A
Chr1	86583008	86583143	Chr1.75533	Pde6d(-529), Cops7b(+172)	N/A
Chr1	86587050	86587242	Chr1.75544	Pde6d(-4599), Cops7b(+4242)	N/A
Chr1	86633086	86633192	Chr1.75580	Nppc(-37434), Cops7b(+50235)	N/A
Chr1	86674454	86674567	Chr1.75622	Nppc(-3938)	N/A
Chr1	16108278	16108460	Chr1.7566	Rdh1(-3707), Rdh10(+2595)	N/A
Chr1	86836414	86836591	Chr1.75722	Dis3l2(-132699), Alpp2(-332425)	N/A
Chr1	16116091	16116266	Chr1.7587	Rdh10(-10405), Stau2(+403127)	N/A
Chr1	86985613	86985722	Chr1.75878	Alpp2(+104260), Dis3l2(+281864)	N/A
Chr1	87011029	87011708	Chr1.75916	Alpp2(+78559), Dis3l2(+307565)	N/A
Chr1	87011858	87011962	Chr1.75923	Alpp2(+78018), Dis3l2(+308106)	N/A
Chr1	87036261	87036382	Chr1.75943	Alpp2(+53636), Dis3l2(+332480)	N/A
Chr1	87036899	87037009	Chr1.75946	Alpp2(+52974), Dis3l2(+333150)	N/A
Chr1	16122768	16123133	Chr1.7611	Rdh10(+17177), Stau2(+396355)	N/A
Chr1	87168839	87168941	Chr1.76404	Prss56(-14423), Ecel1(-12369)	N/A
Chr1	87172433	87172577	Chr1.76412	Ecel1(-15984), Prss56(-10808)	N/A
Chr1	87175984	87176148	Chr1.76414	Ecel1(-19545), Prss56(-7247)	N/A
Chr1	16134610	16134734	Chr1.7663	Rdh10(-28098), Stau2(+384634)	N/A
Chr1	16135929	16136320	Chr1.7665	Rdh10(+30351), Stau2(+383181)	N/A
Chr1	87270833	87270986	Chr1.76656	Glyf2(-56093), Ehd1(+6547)	N/A
Chr1	87394681	87395058	Chr1.76762	Kcnj13(-141)	N/A
Chr1	87395778	87395878	Chr1.76767	Kcnj13(-1099)	N/A
Chr1	16139335	16139437	Chr1.7677	Rdh10(-33612), Stau2(+379920)	N/A
Chr1	87397364	87397478	Chr1.76770	Kcnj13(-2692)	N/A
Chr1	87449316	87449469	Chr1.76843	Kcnj13(-54664), Snorc(-20871)	N/A
Chr1	87449687	87449833	Chr1.76849	Kcnj13(-55031), Snorc(-20504)	N/A
Chr1	87472093	87472241	Chr1.76863	Snorc(-1903), Ngef(+101703)	N/A
Chr1	87637203	87637321	Chr1.77004	Alg16l1(-118824), Ipp5d(+16950)	N/A
Chr1	16186652	16186763	Chr1.7701	Rdh10(-80934), Stau2(+332598)	N/A
Chr1	16186933	16187114	Chr1.7707	Rdh10(-81250), Stau2(+33282)	N/A
Chr1	87877915	87878180	Chr1.77311	Dgk1(-24761), Usp40(+130503)	N/A
Chr1	16227389	16227696	Chr1.7732	Rdh10(+121769), Stau2(+291763)	N/A
Chr1	16228317	16228616	Chr1.7736	Rdh10(+122693), Stau2(+290839)	N/A
Chr1	4496388	44965027	Chr1.774	Sox17(-49)	N/A
Chr1	16228952	16229065	Chr1.7742	Rdh10(-123235), Stau2(+290297)	N/A
Chr1	16229798	16230149	Chr1.7749	Rdh10(+124200), Stau2(+289332)	N/A
Chr1	16231660	16231858	Chr1.7752	Rdh10(+125985), Stau2(+287547)	N/A
Chr1	16236772	16237042	Chr1.7764	Rdh10(+131133), Stau2(+282399)	N/A
Chr1	16248957	16249292	Chr1.7786	Rdh10(+14335), Stau2(+270181)	N/A
Chr1	16249347	16249623	Chr1.7788	Rdh10(+14371), Stau2(+269621)	N/A
Chr1	16249681	16249813	Chr1.7790	Rdh10(+143973), Stau2(+269559)	N/A
Chr1	16250506	16250865	Chr1.7796	Rdh10(+144912), Stau2(+268620)	N/A
Chr1	16268512	16268644	Chr1.7833	Rdh10(+162804), Stau2(+250728)	N/A
Chr1	88698744	88699059	Chr1.78470	Glrf1(-189016), Arf4(+3319)	N/A
Chr1	88700222	88700323	Chr1.78479	Rdh10(-190387), Arf4(+1948)	N/A
Chr1	89024553	89024716	Chr1.78543	Arf4(-32414), Sh3bp4(+45780)	N/A
Chr1	89092767	89092926	Chr1.78562	Agap1(-361964), Sh3bp4(+22432)	N/A
Chr1	16293309	16293459	Chr1.7862	Rdh10(+187610), Stau2(+225922)	N/A
Chr1	89465113	89465228	Chr1.78769	D130058e05nk(-465063), Agap1(+10380)	N/A
Chr1	89510320	89510455	Chr1.78784	D130058e05nk(-419846), Agap1(+155577)	N/A
Chr1	16268677	16268811	Chr1.7880	Rdh10(+190220), Stau2(+223312)	N/A
Chr1	89576988	89577096	Chr1.78825	D130058e05nk(-353192), Agap1(+122231)	N/A

Chr1	89647681	89647835	Chr1.78881	D130058e05nik(-282476),Agap1(+192947)	N/A
Chr1	89662428	89662553	Chr1.78816	D130058e05nik(-267743),Agap1(+207680)	N/A
Chr1	89670176	89670372	Chr1.78843	D130058e05nik(-259960),Agap1(+215463)	N/A
Chr1	89671603	89671908	Chr1.78856	D130058e05nik(-288479),Agap1(+210940)	N/A
Chr1	89703477	89703626	Chr1.78987	D130058e05nik(-226682),Agap1(+248741)	N/A
Chr1	89708061	89708438	Chr1.79004	D130058e05nik(-221984),Agap1(+253439)	N/A
Chr1	89734385	89734750	Chr1.79029	D130058e05nik(-195666),Agap1(+279757)	N/A
Chr1	89739591	89739698	Chr1.79048	D130058e05nik(-190589),Agap1(+284834)	N/A
Chr1	89750970	89751285	Chr1.79065	D130058e05nik(-179106),Agap1(+296317)	N/A
Chr1	89768794	89768969	Chr1.79089	D130058e05nik(-161352),Agap1(+314071)	N/A
Chr1	89769016	89769293	Chr1.79093	D130058e05nik(-161079),Agap1(+314344)	N/A
Chr1	89818546	89818654	Chr1.79189	D130058e05nik(-111634),Agap1(+363789)	N/A
Chr1	89846342	89846530	Chr1.79252	D130058e05nik(-83798),Agap1(+391625)	N/A
Chr1	89870663	89871017	Chr1.79307	D130058e05nik(-59394),Agap1(+416029)	N/A
Chr1	89877005	89877110	Chr1.79321	D130058e05nik(-53176),Agap1(+422247)	N/A
Chr1	89880405	89880528	Chr1.79332	D130058e05nik(-49767),Agap1(+425565)	N/A
Chr1	89883836	89884007	Chr1.79335	D130058e05nik(-46312),Agap1(+429111)	N/A
Chr1	89885790	89886001	Chr1.79341	D130058e05nik(-44338),Agap1(+431085)	N/A
Chr1	89931777	89932075	Chr1.79407	Gbx2(+1364),D130058e05nik(+1692)	N/A
Chr1	89941675	89941820	Chr1.79441	Gbx2(-9458),Asb1(8)(+72629)	N/A
Chr1	89962364	89962558	Chr1.79469	Gbx2(-29170),Asb1(8)(+52117)	N/A
Chr1	89992217	89992416	Chr1.79510	Gbx2(-59027),Asb1(8)(+22260)	N/A
Chr1	90134931	90135063	Chr1.79710	Asb1(8)(-120420),Iqca(+18404)	N/A
Chr1	90135284	90135434	Chr1.79712	Asb1(8)(-120782),Iqca(+18042)	N/A
Chr1	90162342	90162548	Chr1.79748	Ackr3(-41534),Iqca(-9045)	N/A
Chr1	16397857	16397863	Chr1.79716	Stau2(+121546),Rdh10(+291986)	N/A
Chr1	16398963	16399021	Chr1.7982	Stau2(+120564),Rdh10(+293168)	N/A
Chr1	90222099	90222276	Chr1.79836	Cops8(-381237),Ackr3(+18208)	N/A
Chr1	90257040	90257168	Chr1.79858	Cops8(-346321),Ackr3(+53124)	N/A
Chr1	90262326	90262475	Chr1.79868	Cops8(-341024),Ackr3(+58421)	N/A
Chr1	90279196	90279532	Chr1.79863	Cops8(-224061),Ackr3(+75384)	N/A
Chr1	90311673	90311873	Chr1.79898	Cops8(-291606),Ackr3(+107839)	N/A
Chr1	90314173	90314273	Chr1.79907	Cops8(-289202),Ackr3(+110243)	N/A
Chr1	90353434	90353565	Chr1.79925	Cops8(-249925),Ackr3(+149520)	N/A
Chr1	16405995	16406797	Chr1.7993	Stau2(+112610),Rdh10(+300922)	N/A
Chr1	90374828	90375010	Chr1.79938	Cops8(-228051),Ackr3(+170944)	N/A
Chr1	90445343	90445384	Chr1.79963	Cops8(-158111),Ackr3(+241334)	N/A
Chr1	90518799	90518960	Chr1.80013	Cops8(-84545),Ackr3(+314909)	N/A
Chr1	90544448	90544566	Chr1.80032	Cops8(-58918),Ackr3(+340527)	N/A
Chr1	90720899	90721001	Chr1.80089	Gm9991(+45789),Col6a3(+123002)	N/A
Chr1	90740490	90740594	Chr1.80095	Gm9991(+65381),Col6a3(+103410)	N/A
Chr1	90813420	90813677	Chr1.80500	Col6a3(+30403),Gm9991(+136388)	N/A
Chr1	90822208	90822189	Chr1.80567	Col6a3(+21843),Gm9991(+146946)	N/A
Chr1	90825146	90825250	Chr1.80580	Col6a3(+18754),Gm9991(+150037)	N/A
Chr1	90827918	90828094	Chr1.80584	Col6a3(+15946),Gm9991(+152845)	N/A
Chr1	90836377	90836547	Chr1.80604	Col6a3(+7490),Gm9991(+161301)	N/A
Chr1	90845153	90845348	Chr1.80618	Col6a3(-1299)	N/A
Chr1	91057974	91058087	Chr1.80726	Rbm4(-87072),Lrrfip1(+4587)	N/A
Chr1	91087041	91087184	Chr1.80749	Rbm4(-57990),Lrrfip1(+32669)	N/A
Chr1	91119829	91120060	Chr1.80828	Rbm4(-25158),Lrrfip1(+66501)	N/A
Chr1	16656858	16656984	Chr1.8092	Eloc(-56)	N/A
Chr1	91414974	91415084	Chr1.81321	Hes6(-1807)	N/A
Chr1	91456580	91456700	Chr1.81465	Hes6(-43418),Par2(+2690)	N/A
Chr1	91532429	91532653	Chr1.81549	Asb1(-8904),Taa12p1(+37873)	N/A
Chr1	4544034	4544389	Chr1.816	Sox17(-47799),Mpl15(+241527)	N/A
Chr1	91601051	91601154	Chr1.81616	Twist2(-200358),Asb1(+60538)	N/A
Chr1	91605900	91606000	Chr1.81621	Twist2(-195511),Asb1(+65385)	N/A
Chr1	91630388	91630517	Chr1.81638	Twist2(-171008),Asb1(+89888)	N/A
Chr1	9165130	9165246	Chr1.81661	Twist2(-116273),Asb1(+148623)	N/A
Chr1	91655944	91656071	Chr1.81662	Twist2(-115853),Asb1(+145043)	N/A
Chr1	91685764	91685995	Chr1.81665	Twist2(-115581),Asb1(+145315)	N/A
Chr1	91760259	91760461	Chr1.81699	Twist2(-41101),Asb1(+219795)	N/A
Chr1	91778338	91778574	Chr1.81714	Twist2(-23005),Asb1(+237891)	N/A
Chr1	91800284	91800450	Chr1.81720	Twist2(-1094)	N/A
Chr1	91801375	91801480	Chr1.81725	Twist2(-33)	N/A
Chr1	91803524	91803687	Chr1.81733	Twist2(-2145),Hdac4(+127570)	N/A
Chr1	91805604	91805780	Chr1.81742	Twist2(+4231),Hdac4(+125484)	N/A
Chr1	91845025	91845218	Chr1.81745	Twist2(+43661),Hdac4(+86054)	N/A
Chr1	91929332	91929395	Chr1.81757	Hdac4(+1862),Twist2(+127853)	N/A
Chr1	91953059	91953164	Chr1.81808	Hdac4(-21936),Hdac4(+162681)	N/A
Chr1	92130560	92130720	Chr1.81933	Hdac4(-18946),Hdac4(+17753)	N/A
Chr1	92177897	92178200	Chr1.81953	Hdac4(-29656),Ndufa10(+295811)	N/A
Chr1	92178589	92178718	Chr1.81960	Hdac4(-30261),Ndufa10(+295206)	N/A
Chr1	92178858	92179021	Chr1.81962	Hdac4(-30547),Ndufa10(+294920)	N/A
Chr1	92179419	92179638	Chr1.81963	Hdac4(-31136),Ndufa10(+294331)	N/A
Chr1	92202830	92202999	Chr1.81975	Hdac4(-54522),Ndufa10(+27049)	N/A
Chr1	92224511	92224653	Chr1.81988	Hdac4(-76189),Ndufa10(+249278)	N/A
Chr1	4571628	4571893	Chr1.825	Sox17(-75348),Mpl15(+213978)	N/A
Chr1	93026796	93026896	Chr1.82586	Aqp12(+20512),Klf1a(+75019)	N/A
Chr1	17009264	17009476	Chr1.8267	Jph1(+88519),Ly96(+320914)	N/A
Chr1	93176788	93176919	Chr1.82864	Croc2(-39645),Mab214(-15906)	N/A
Chr1	93220855	93220981	Chr1.83000	Sned1(-14923),Croc2(+5019)	N/A
Chr1	93225452	93225650	Chr1.83002	Sned1(-10290),Croc2(+9652)	N/A
Chr1	9323276	93233417	Chr1.83023	Sned1(-2494)	N/A
Chr1	17085093	17085324	Chr1.8323	Jph1(+12680),Ly96(+396753)	N/A
Chr1	4572239	4572343	Chr1.834	Sox17(-75878),Mpl15(+213448)	N/A
Chr1	17096705	17096823	Chr1.8359	Jph1(+11251),Ly96(+408308)	N/A
Chr1	93537066	93537221	Chr1.83634	Parp2(+25065),Slk25(+96578)	N/A
Chr1	17098376	17098495	Chr1.8370	Jph1(-547)	N/A
Chr1	94217443	94217707	Chr1.84150	Pdccl1(-165022)	N/A
Chr1	95667494	95667663	Chr1.84785	Stbaia(+15)	N/A
Chr1	97174639	97174950	Chr1.85179	Gin1(-55377),D1ent622e(-53119)	N/A
Chr1	97721817	97722105	Chr1.85216	D1ent622e(-60285),Gin1(-48211)	N/A
Chr1	97848999	97849049	Chr1.85384	Ppipsk2(-78713),Pam(+246508)	N/A
Chr1	97851946	97852139	Chr1.85390	Ppipsk2(-81632),Pam(+245389)	N/A
Chr1	17417037	17417158	Chr1.8547	Pl15(-184803),Gdap1(+271736)	N/A
Chr1	97916387	97916503	Chr1.85491	Ppipsk2(-146034),Pam(+179187)	N/A
Chr1	97953084	97953238	Chr1.85564	Ppipsk2(-182749),Pam(+241979)	N/A
Chr1	97977206	97977355	Chr1.85616	Ppipsk2(-206870),Pam(+118351)	N/A
Chr1	97987010	97987156	Chr1.85638	Ppipsk2(-216672),Pam(+108549)	N/A
Chr1	17450870	17451036	Chr1.8570	Pl15(-150948),Gdap1(+305591)	N/A
Chr1	17451301	17451450	Chr1.8572	Pl15(-150525),Gdap1(+306014)	N/A
Chr1	98073440	98073565	Chr1.85765	Ppipsk2(-303092),Pam(+22129)	N/A
Chr1	98073596	98073788	Chr1.85766	Ppipsk2(-303280),Pam(+21941)	N/A
Chr1	98173976	98174232	Chr1.85874	Slocd1(-247020),Pam(-78472)	N/A
Chr1	98174618	98174984	Chr1.85876	Slocd1(-246323),Pam(-79169)	N/A
Chr1	98175153	98175252	Chr1.85880	Slocd1(-245921),Pam(-79571)	N/A
Chr1	98175299	98175517	Chr1.85882	Slocd1(-245716),Pam(-79776)	N/A
Chr1	10476299	10476587	Chr1.85978	Cdh20(-86)	N/A
Chr1	10517873	105179055	Chr1.87098	Rnf152(+177846),Cdh20(+410335)	N/A
Chr1	105179240	105179402	Chr1.87104	Rnf152(+177389),Cdh20(+410792)	N/A
Chr1	105184708	105184808	Chr1.87107	Rnf152(+171952),Cdh20(+416229)	N/A
Chr1	105354997	105355221	Chr1.87287	Rnf152(+1601),Cdh20(+586580)	N/A
Chr1	17717609	17717872	Chr1.8760	Crispld1(-9347),Pl15(+115840)	N/A
Chr1	17718070	17718270	Chr1.8764	Crispld1(-8693),Pl15(+116494)	N/A
Chr1	105811062	10581169	Chr1.87664	Zcchc2(-179573),Tnfrsf11a(+30393)	N/A
Chr1	106065827	106065997	Chr1.87877	Phlpp1(-105840),Zcchc2(+75223)	N/A
Chr1	17741092	17741260	Chr1.8788	Crispld1(+14088),Crisp4(+395875)	N/A
Chr1	106155308	106155529	Chr1.87911	Phlpp1(-16333),Zcchc2(+164730)	N/A
Chr1	106171526	106171630	Chr1.87936	Phlpp1(-174)	N/A
Chr1	10619645	106196969	Chr1.87977	Phlpp1(-28070),Bcl2(+514452)	N/A
Chr1	106200110	106200215	Chr1.87981	Phlpp1(-28411),Bcl2(+514111)	N/A
Chr1	4617621	4617820	Chr1.880	Sox17(-121308),Mpl15(+168018)	N/A
Chr1	106241311	106241434	Chr1.88009	Phlpp1(+69621),Bcl2(+472901)	N/A
Chr1	106522906	106523117	Chr1.88272	Bcl2(+191262),Phlpp1(+351260)	N/A
Chr1	106540784	106540942	Chr1.88313	Bcl2(+17341),Phlpp1(+389111)	N/A
Chr1	106549210	106549353	Chr1.88341	Bcl2(+164992),Phlpp1(+377530)	N/A
Chr1	106553804	106553940	Chr1.88351	Bcl2(+160402),Phlpp1(+382120)	N/A
Chr1	10656947	106569134	Chr1.88374	Bcl2(+148233),Phlpp1(+394289)	N/A
Chr1	106566255	106566367	Chr1.88378	Bcl2(+147963),Phlpp1(+394559)	N/A
Chr1	106570463	106570591	Chr1.88399	Bcl2(+143747),Phlpp1(+398775)	N/A
Chr1	106571052	106571171	Chr1.88402	Bcl2(+143162),Phlpp1(+399363)	N/A
Chr1	106572522	106572811	Chr1.88405	Bcl2(+141607),Phlpp1(+400915)	N/A
Chr1	106583117	106583431	Chr1.88417	Bcl2(+131000),Phlpp1(+411522)	N/A
Chr1	106589162	106589310	Chr1.88438	Bcl2(+125038),Phlpp1(+417484)	N/A
Chr1	106603069	106603362	Chr1.88462	Bcl2(+111058),Phlpp1(+431464)	N/A
Chr1	106608331	106608473	Chr1.88473	Bcl2(+106037),Phlpp1(+436465)	N/A
Chr1	106612632	106612761	Chr1.88481	Bcl2(+101577),Phlpp1(+440045)	N/A

Chr1	106612799	106612907	Chr1.88485	Bcl2(+101421),Phipp1(+441101)	N/A
Chr1	106629620	106629746	Chr1.88492	Bcl2(+84591),Phipp1(+457931)	N/A
Chr1	106629808	106629921	Chr1.88494	Bcl2(+84409),Phipp1(+458113)	N/A
Chr1	106629975	106630097	Chr1.88497	Bcl2(+84238),Phipp1(+458284)	N/A
Chr1	106630128	106630461	Chr1.88498	Bcl2(+83979),Phipp1(+458543)	N/A
Chr1	106636832	106637010	Chr1.88514	Bcl2(+77353),Phipp1(+465169)	N/A
Chr1	106653451	106653663	Chr1.88546	Bcl2(+60717),Phipp1(+481805)	N/A
Chr1	106679605	106679765	Chr1.88574	Bcl2(+34589),Phipp1(+507933)	N/A
Chr1	106680172	106680295	Chr1.88580	Bcl2(+34040),Phipp1(+508482)	N/A
Chr1	106680446	106680563	Chr1.88592	Bcl2(+25969),Phipp1(+515553)	N/A
Chr1	106712971	106713225	Chr1.88670	Bcl2(+1178),Phipp1(+541346)	N/A
Chr1	106713931	106714118	Chr1.88676	Bcl2(+249)	N/A
Chr1	106860973	106861074	Chr1.88804	Serpib5(-179)	N/A
Chr1	107861247	107861452	Chr1.89763	Serpib8(+271344)	N/A
Chr1	107914796	107915136	Chr1.89836	Serpib8(-324960)	N/A
Chr1	108047102	108047309	Chr1.89905	Serpib8(+457200)	N/A
Chr1	109602612	109602782	Chr1.90491	Cdh7(-380013)	N/A
Chr1	109981988	109982099	Chr1.90598	Cdh7(-666)	N/A
Chr1	18383459	18383630	Chr1.9083	Ttpa2d(-719477),Defb41(-118407)	N/A
Chr1	109773777	10977542	Chr1.90910	Cdh19(-88)	N/A
Chr1	111020704	111020965	Chr1.90914	Cdh19(+43464),Dsl(+844073)	N/A
Chr1	111857900	111858186	Chr1.90931	Cdh19(-880716),Dsl(+6821)	N/A
Chr1	4653996	4654325	Chr1.912	Sox17(-157748),Mpl15(+131578)	N/A
Chr1	118389273	118389395	Chr1.91585	Clasp1(+276)	N/A
Chr1	118390128	118390346	Chr1.91599	Clasp1(+11779),2900060b14nk(+68510)	N/A
Chr1	118398880	118399031	Chr1.91604	Clasp1(+9859),2900060b14nk(+6979)	N/A
Chr1	118435319	118435489	Chr1.91622	2900060b14nk(+23343),Clasp1(+46346)	N/A
Chr1	118459141	118459266	Chr1.91632	2900060b14nk(-457)	N/A
Chr1	118598407	118598560	Chr1.91833	2900060b14nk(-139737),Ttcp21(-29461)	N/A
Chr1	118628688	118628801	Chr1.91870	Ttcp21(+800)	N/A
Chr1	118804618	118804734	Chr1.91980	Ttcp21(+176731),Gliz(+248943)	N/A
Chr1	118825650	118825793	Chr1.91992	Ttcp21(+197777),Gliz(+227897)	N/A
Chr1	118852255	118852358	Chr1.92114	Gliz(+201312),Ttcp21(+224362)	N/A
Chr1	118878357	118878465	Chr1.92170	Gliz(+175208),Ttcp21(+250466)	N/A
Chr1	118881015	118881142	Chr1.92171	Gliz(+172540),Ttcp21(+253134)	N/A
Chr1	118890493	118890700	Chr1.92183	Gliz(+163019),Ttcp21(+262655)	N/A
Chr1	118895394	118895520	Chr1.92194	Gliz(+158167),Ttcp21(+267507)	N/A
Chr1	118902186	118902373	Chr1.92204	Gliz(+151339),Ttcp21(+274335)	N/A
Chr1	118907423	118907603	Chr1.92209	Gliz(+146106),Ttcp21(+279568)	N/A
Chr1	118907690	118907793	Chr1.92211	Gliz(+145877),Ttcp21(+279797)	N/A
Chr1	118910796	118910972	Chr1.92214	Gliz(+142735),Ttcp21(+282939)	N/A
Chr1	118911148	118911302	Chr1.92219	Gliz(+142394),Ttcp21(+283280)	N/A
Chr1	118913946	118914324	Chr1.92224	Gliz(+139494),Ttcp21(+286196)	N/A
Chr1	118917765	118917948	Chr1.92232	Gliz(+135762),Ttcp21(+289912)	N/A
Chr1	118935665	118935834	Chr1.92259	Gliz(+117869),Ttcp21(+307805)	N/A
Chr1	118941421	118941606	Chr1.92288	Gliz(+112105),Ttcp21(+313569)	N/A
Chr1	118944637	118944757	Chr1.92275	Gliz(+108922),Ttcp21(+316752)	N/A
Chr1	118962001	118962110	Chr1.92307	Gliz(+71563),Ttcp21(+354111)	N/A
Chr1	119001592	119001706	Chr1.92329	Gliz(+51970),Ttcp21(+373704)	N/A
Chr1	119034046	119034255	Chr1.92365	Gliz(+19468),Ttcp21(+406206)	N/A
Chr1	119046943	119047166	Chr1.92377	Gliz(+6564),Ttcp21(+419110)	N/A
Chr1	119047227	119047331	Chr1.92379	Gliz(+6340),Ttcp21(+419334)	N/A
Chr1	119047423	119047661	Chr1.92383	Gliz(+6077),Ttcp21(+419597)	N/A
Chr1	119048551	119048687	Chr1.92387	Gliz(+5000),Ttcp21(+420574)	N/A
Chr1	119048926	119049287	Chr1.92389	Gliz(+4512),Ttcp21(+421162)	N/A
Chr1	119049978	119050139	Chr1.92392	Gliz(+3560),Ttcp21(+422114)	N/A
Chr1	119050426	119050611	Chr1.92399	Gliz(+3100),Ttcp21(+422574)	N/A
Chr1	119051616	119051917	Chr1.92401	Gliz(+1852),Ttcp21(+423822)	N/A
Chr1	119052594	119052520	Chr1.92407	Gliz(+1157),Ttcp21(+424517)	N/A
Chr1	119053275	119053382	Chr1.92410	Gliz(+290)	N/A
Chr1	119054538	119054654	Chr1.92414	Gliz(-977)	N/A
Chr1	119056591	119056743	Chr1.92416	Gliz(-3048)	N/A
Chr1	119056774	119057031	Chr1.92419	Gliz(-3284)	N/A
Chr1	119065414	119065516	Chr1.92424	Gliz(-11848),Inhb(-356783)	N/A
Chr1	119189821	119189787	Chr1.92461	Gliz(-136085),Inhb(-123244)	N/A
Chr1	119238539	119238873	Chr1.92500	Gliz(-185087),Inhb(-183542)	N/A
Chr1	119254968	119255087	Chr1.92503	Gliz(-201409),Inhb(-167220)	N/A
Chr1	119305565	119305717	Chr1.92534	Gliz(-252022),Inhb(-116607)	N/A
Chr1	119328997	119329308	Chr1.92540	Gliz(-275534),Inhb(-93095)	N/A
Chr1	119349635	119348986	Chr1.92547	Gliz(-295148),Inhb(-73481)	N/A
Chr1	119418328	119418455	Chr1.92601	Gliz(-364773),Inhb(-3856)	N/A
Chr1	119419044	119419402	Chr1.92605	Gliz(-365604),Inhb(-3025)	N/A
Chr1	119419533	119419662	Chr1.92606	Gliz(-365979),Inhb(-2650)	N/A
Chr1	119420193	119420308	Chr1.92610	Gliz(-366632),Inhb(-1997)	N/A
Chr1	119456863	119457001	Chr1.92647	Inhb(-34679),Raib(+47867)	N/A
Chr1	119458054	119458167	Chr1.92654	Inhb(-35863),Raib(+46683)	N/A
Chr1	119639439	119640118	Chr1.9268	Ttcp2d(-463243),Defb41(-374641)	N/A
Chr1	119624659	119624812	Chr1.92782	Raib(-119942),Epb415(+24264)	N/A
Chr1	119863741	119863865	Chr1.92910	Ptpn4(-26190),Tmem177(+49405)	N/A
Chr1	119869032	119869214	Chr1.92915	Ptpn4(-31510),Tmem177(+44085)	N/A
Chr1	119879137	119879241	Chr1.92922	Ptpn4(-41578),Ttcp21(+34019)	N/A
Chr1	120115735	120115869	Chr1.93144	Tmem37(+41743),Dlx(-5120)	N/A
Chr1	120176518	120176625	Chr1.93186	3110009e18nk(+55377),Steap3(+94510)	N/A
Chr1	120195790	120195926	Chr1.93204	3110009e18nk(+74663),Steap3(+75224)	N/A
Chr1	120232140	120232317	Chr1.93232	Steap3(+38853),3110009e18nk(+111034)	N/A
Chr1	120258992	120258916	Chr1.93304	Steap3(+12003),3110009e18nk(+137884)	N/A
Chr1	120357533	120357680	Chr1.93370	Ctbp2(+17025),Marco(+147477)	N/A
Chr1	120602221	120600563	Chr1.93531	En1(-2026)	N/A
Chr1	120602291	120602607	Chr1.93537	En1(+31)	N/A
Chr1	120602922	120603043	Chr1.93541	En1(+565)	N/A
Chr1	120605004	120605182	Chr1.93554	En1(+2675),Insig2(+722931)	N/A
Chr1	120643851	120644155	Chr1.93620	En1(+1589),Insig2(+68421)	N/A
Chr1	120643444	120644760	Chr1.93624	En1(+42134),Insig2(+683472)	N/A
Chr1	120715289	120715426	Chr1.93713	En1(+112940),Insig2(+612666)	N/A
Chr1	120715690	120715801	Chr1.93714	En1(+113328),Insig2(+612278)	N/A
Chr1	120727830	120727947	Chr1.93718	En1(+125471),Insig2(+600135)	N/A
Chr1	120734648	120734792	Chr1.93728	En1(+132302),Insig2(+593304)	N/A
Chr1	120741078	120741313	Chr1.93763	En1(+138778),Insig2(+598828)	N/A
Chr1	120754221	120754534	Chr1.93786	En1(+151960),Insig2(+573646)	N/A
Chr1	120755389	120755652	Chr1.93791	En1(+153103),Insig2(+572503)	N/A
Chr1	120757001	120757429	Chr1.93800	En1(+154797),Insig2(+570809)	N/A
Chr1	120757627	120757734	Chr1.93805	En1(+155263),Insig2(+570343)	N/A
Chr1	120760943	120761067	Chr1.93812	En1(+186987),Insig2(+567019)	N/A
Chr1	120761117	120761258	Chr1.93814	En1(+158770),Insig2(+566836)	N/A
Chr1	120761448	120761600	Chr1.93816	En1(+159106),Insig2(+566500)	N/A
Chr1	120795446	120795913	Chr1.93838	En1(+193262),Insig2(+532344)	N/A
Chr1	120816305	120816465	Chr1.93859	En1(+213967),Insig2(+511639)	N/A
Chr1	120842716	120842855	Chr1.93894	En1(+240388),Insig2(+485238)	N/A
Chr1	120849078	120849586	Chr1.94028	En1(+261914),Insig2(+363692)	N/A
Chr1	121006198	121006303	Chr1.94064	Insig2(+321773),En1(+403833)	N/A
Chr1	121084278	121084465	Chr1.94170	Insig2(+243652),En1(+481954)	N/A
Chr1	121085281	121085455	Chr1.94182	Insig2(+242656),En1(+482950)	N/A
Chr1	121087263	121087521	Chr1.94189	Insig2(+240632),En1(+484974)	N/A
Chr1	121096185	121096332	Chr1.94198	Insig2(+231765),En1(+493847)	N/A
Chr1	121096407	121096577	Chr1.94202	Insig2(+231532),En1(+494074)	N/A
Chr1	121096888	121097826	Chr1.94206	Insig2(+230667),En1(+494939)	N/A
Chr1	121111753	121112069	Chr1.94215	Insig2(+216113),En1(+509493)	N/A
Chr1	121123142	121123340	Chr1.94242	Insig2(+204783),En1(+520823)	N/A
Chr1	121154790	121154901	Chr1.94273	Insig2(+173178),En1(+552428)	N/A
Chr1	121177151	121177468	Chr1.94295	Insig2(+150714),En1(+574692)	N/A
Chr1	121243445	121243631	Chr1.94339	Insig2(+844468),En1(+641120)	N/A
Chr1	121251998	121252273	Chr1.94345	Insig2(+75888),En1(+649718)	N/A
Chr1	121254171	121254721	Chr1.94349	Insig2(+73578),En1(+652028)	N/A
Chr1	121254750	121254891	Chr1.94356	Insig2(+73203),En1(+652403)	N/A
Chr1	121296956	121297177	Chr1.94377	Insig2(+30957),En1(+694649)	N/A
Chr1	121367354	121367638	Chr1.94450	Ccdc93(-63553),Insig2(-39472)	N/A
Chr1	121379312	121379457	Chr1.94469	Ccdc93(-51664),Insig2(-51361)	N/A
Chr1	121388674	121388788	Chr1.94479	Insig2(-60707),Ccdc93(-42318)	N/A
Chr1	121392523	121392903	Chr1.94504	Insig2(-64689),Ccdc93(-38336)	N/A
Chr1	121393125	121393318	Chr1.94506	Insig2(-65188),Ccdc93(-37827)	N/A
Chr1	121395206	121395402	Chr1.94515	Insig2(-67280),Ccdc93(-35745)	N/A
Chr1	121399464	121399959	Chr1.94521	Insig2(-71698),Ccdc93(-31327)	N/A
Chr1	121702072	121702203	Chr1.94732	Ddx18(-134149)	N/A
Chr1	121702237	121702431	Chr1.94734	Ddx18(-134345)	N/A
Chr1	121771223	121771398	Chr1.94778	Ddx18(-203322)	N/A
Chr1	121789593	121786274	Chr1.94791	Ddx18(-218125)	N/A
Chr1	122501514	122501614	Chr1.95147	Ddx18(-633573)	N/A
Chr1	125434594	125434730	Chr1.96681	Actr3(+1065)	N/A

Chr1	125435601	125435714	Chr1.96684	Actr3(+69)	N/A
Chr1	125482966	125483108	Chr1.96709	Slc35f5(-77979),Actr3(-47310)	N/A
Chr1	19207861	19207779	Chr1.9671	Tfap2b(-1194)	N/A
Chr1	19209001	19209405	Chr1.9681	Tfap2b(+289)	N/A
Chr1	19211223	19211409	Chr1.9688	Tfap2b(+2402)	N/A
Chr1	19211800	19212046	Chr1.9689	Tfap2b(+3009)	N/A
Chr1	19212942	19213105	Chr1.9699	Tfap2b(+4110)	N/A
Chr1	19215197	19215478	Chr1.9712	Tfap2b(+6424)	N/A
Chr1	125912145	125912258	Chr1.97175	Lypd1(+112)	N/A
Chr1	19215855	19215962	Chr1.9720	Tfap2b(+6959)	N/A
Chr1	19216900	19217012	Chr1.9722	Tfap2b(+8042)	N/A
Chr1	19217384	19217605	Chr1.9724	Tfap2b(+8581)	N/A
Chr1	19218688	19218805	Chr1.9728	Tfap2b(+9833)	N/A
Chr1	19219730	192220049	Chr1.9733	Tfap2b(+10979)	N/A
Chr1	19221381	19221489	Chr1.9747	Tfap2b(+12521)	N/A
Chr1	19221627	19221888	Chr1.9751	Tfap2b(+12844)	N/A
Chr1	19221993	19222173	Chr1.9754	Tfap2b(+13169)	N/A
Chr1	19225405	19225761	Chr1.9763	Tfap2b(+16669)	N/A
Chr1	19228614	19228729	Chr1.9779	Tfap2b(+19758)	N/A
Chr1	19231539	19231775	Chr1.9790	Tfap2b(+22743)	N/A
Chr1	126364602	126364728	Chr1.97910	Lypd1(-452451),Nckap5(+465967)	N/A
Chr1	19231810	19232138	Chr1.9793	Tfap2b(+23060)	N/A
Chr1	19233034	19233294	Chr1.9796	Tfap2b(+24250)	N/A
Chr1	19233358	19233503	Chr1.9799	Tfap2b(+24517)	N/A
Chr1	126462072	126462204	Chr1.98048	Lypd1(-549924),Nckap5(+368494)	N/A
Chr1	19235118	19235242	Chr1.9806	Tfap2b(+26266)	N/A
Chr1	19235292	19235536	Chr1.9807	Tfap2b(+26500)	N/A
Chr1	19235837	19236025	Chr1.9809	Tfap2b(+27017)	N/A
Chr1	19236538	19236858	Chr1.9811	Tfap2b(+27784)	N/A
Chr1	126617189	126617386	Chr1.98294	Lypd1(-705078),Nckap5(+213343)	N/A
Chr1	126624371	126624481	Chr1.98312	Lypd1(-71212),Nckap5(+206208)	N/A
Chr1	126660528	126661042	Chr1.98355	Lypd1(-748571),Nckap5(+169647)	N/A
Chr1	19240716	19240883	Chr1.9836	Tfap2b(+31886)	N/A
Chr1	126681604	126681727	Chr1.98389	Lypd1(-769452),Nckap5(+148966)	N/A
Chr1	126683735	126684035	Chr1.98392	Lypd1(-771671),Nckap5(+146747)	N/A
Chr1	126684275	126684418	Chr1.98397	Lypd1(-772133),Nckap5(+146285)	N/A
Chr1	126700479	126700678	Chr1.98426	Lypd1(-788369),Nckap5(+130053)	N/A
Chr1	192700724	192700861	Chr1.98427	Lypd1(-788579),Nckap5(+129639)	N/A
Chr1	126737932	126738067	Chr1.98462	Lypd1(-825786),Nckap5(+92632)	N/A
Chr1	126738140	126738324	Chr1.98464	Lypd1(-826018),Nckap5(+92400)	N/A
Chr1	126745031	126745207	Chr1.98473	Lypd1(-832905),Nckap5(+85513)	N/A
Chr1	126752624	126752823	Chr1.98491	Lypd1(-840510),Nckap5(+77908)	N/A
Chr1	126765663	126765782	Chr1.98514	Lypd1(-863509),Nckap5(+64909)	N/A
Chr1	126817548	126817664	Chr1.98558	Lypd1(-905392),Nckap5(+13026)	N/A
Chr1	126829207	126829376	Chr1.98565	Lypd1(-917078),Nckap5(+1340)	N/A
Chr1	126830300	126830672	Chr1.98570	Nckap5(+146)	N/A
Chr1	126830704	126831014	Chr1.98573	Nckap5(+227)	N/A
Chr1	126831060	126831305	Chr1.98575	Nckap5(-591)	N/A
Chr1	126865773	126865924	Chr1.98623	Mgat5(-440913),Nckap5(-35217)	N/A
Chr1	126925323	126925764	Chr1.98691	Mgat5(-381218),Nckap5(+94912)	N/A
Chr1	127015170	127015416	Chr1.98771	Mgat5(-291469),Nckap5(-184661)	N/A
Chr1	127208371	127208529	Chr1.98864	Nckap5(-377818),Mgat5(-98312)	N/A
Chr1	127262132	127262257	Chr1.98904	Nckap5(-431563),Mgat5(-44567)	N/A
Chr1	127322074	127322251	Chr1.98957	Mgat5(-154011),Tmem163(+365933)	N/A
Chr1	127338783	127338965	Chr1.98978	Mgat5(+32112),Tmem163(+339222)	N/A
Chr1	127409135	127409312	Chr1.99044	Mgat5(+102462),Tmem163(+268872)	N/A
Chr1	127420926	127421045	Chr1.99058	Mgat5(+114224),Tmem163(+257110)	N/A
Chr1	127430398	127430592	Chr1.99068	Mgat5(+123733),Tmem163(+247601)	N/A
Chr1	127436851	127436875	Chr1.99075	Mgat5(-131941),Tmem163(+239363)	N/A
Chr1	127531370	127531508	Chr1.99198	Tmem163(-146567),Mgat5(-224577)	N/A
Chr1	127537432	127537663	Chr1.99205	Tmem163(+140548),Mgat5(+230786)	N/A
Chr1	127667207	127667368	Chr1.99291	Tmem163(+10808),Mgat5(+360526)	N/A
Chr1	127750481	127750622	Chr1.99361	Cenl2(-23612),Acmsd(+21139)	N/A
Chr1	127778372	127778536	Chr1.99402	Cenl2(+14291),Map3k19(+51835)	N/A
Chr1	127796760	127797024	Chr1.99412	Cenl2(-22728),Map3k19(+43396)	N/A
Chr1	127797868	127798231	Chr1.99421	Cenl2(+23686),Map3k19(+42240)	N/A
Chr1	127854976	127855102	Chr1.99553	Map3k19(-14749),Rab3gap1(-17334)	N/A
Chr1	127895393	127895513	Chr1.99715	Rab3gap1(+116680),Zranb3(+117009)	N/A
Chr1	128103013	128103244	Chr1.99775	Zranb3(-667),R3hdm1(-177)	N/A
Chr1	128103281	128103594	Chr1.99781	Zranb3(-978),R3hdm1(+132)	N/A
Chr1	111925492	111925606	Chr10.100016	Krr1(-47115),Phlda1(+418263)	N/A
Chr1	111936016	111936120	Chr10.100027	Krr1(-36596),Phlda1(-429782)	N/A
Chr1	113470172	113470314	Chr10.100078	Atxn73b(-541217)	N/A
Chr1	14179418	14179620	Chr10.10114	Gm10335(-343543),Hivep2(+213140)	N/A
Chr1	14208361	14208460	Chr10.10160	Gm10335(-314651),Hivep2(+242032)	N/A
Chr1	14208493	14208712	Chr10.10162	Gm10335(-314490),Hivep2(+242224)	N/A
Chr1	14210594	14210787	Chr10.10176	Gm10335(-312371),Hivep2(+244312)	N/A
Chr1	14216108	14216481	Chr10.10188	Gm10335(-306767),Hivep2(+249916)	N/A
Chr1	114798368	114798488	Chr10.101950	Trhde(-2936)	N/A
Chr1	114802522	114802680	Chr10.101970	Trhde(-1227)	N/A
Chr1	114802760	114802869	Chr10.101971	Trhde(-1451)	N/A
Chr1	115013580	115014019	Chr10.102222	Trhde(-21436),Tph2(+171222)	N/A
Chr1	115108033	115108161	Chr10.102360	Trhde(-306733),Tph2(+76925)	N/A
Chr1	14332602	14332720	Chr10.10255	Gm10335(-190401),Hivep2(+366282)	N/A
Chr1	14332775	14333151	Chr10.10258	Gm10335(-190099),Hivep2(+366584)	N/A
Chr1	115251369	115251514	Chr10.102611	Tbc1d15(+61)	N/A
Chr1	115314775	115314889	Chr10.102661	Rab21(+759)	N/A
Chr1	14333628	14333755	Chr10.10273	Gm10335(-189370),Hivep2(+367313)	N/A
Chr1	14347626	14347857	Chr10.10281	Gm10335(-175320),Hivep2(+381363)	N/A
Chr1	115403740	115403855	Chr10.102981	A930009a15k(-76188),Zfc3h1(+108839)	N/A
Chr1	115520091	115520562	Chr10.103009	A930009a15k(-49659),Zfc3h1(+135368)	N/A
Chr1	115520647	115520774	Chr10.103013	A930009a15k(-49275),Zfc3h1(+135752)	N/A
Chr1	115521160	115521376	Chr10.103020	A930009a15k(-48717),Zfc3h1(+13610)	N/A
Chr1	115557090	115557277	Chr10.103038	A930009a15k(-12802),Zfc3h1(+172225)	N/A
Chr1	115561548	115561679	Chr10.103056	A930009a15k(-8372),Zfc3h1(+176655)	N/A
Chr1	115570404	115571103	Chr10.103070	A930009a15k(+768)	N/A
Chr1	115579557	115579818	Chr10.103089	Lgr5(+8092),A930009a15k(+9702)	N/A
Chr1	11558613	115586728	Chr10.103113	Lgr5(+1199),A930009a15k(+16685)	N/A
Chr1	115593397	115593623	Chr10.103124	Tspan8(-223774),Lgr5(-5730)	N/A
Chr1	115623879	115624001	Chr10.103132	Tspan8(-193344),Lgr5(-36160)	N/A
Chr1	115624104	115624462	Chr10.103134	Tspan8(-193001),Lgr5(-36503)	N/A
Chr1	115682172	115682321	Chr10.103174	Tspan8(-135037),Lgr5(-94467)	N/A
Chr1	115708747	115708923	Chr10.103209	Lgr5(-121055),Tspan8(-108449)	N/A
Chr1	115776452	115776831	Chr10.103262	Lgr5(-188662),Tspan8(-40642)	N/A
Chr1	115872281	115872589	Chr10.103378	Ptpr(-145778),Tspan8(+55151)	N/A
Chr1	115915198	115915336	Chr10.103429	Ptpr(-102946),Tspan8(+97983)	N/A
Chr1	115976188	115976493	Chr10.103464	Ptpr(-41872),Tspan8(+159057)	N/A
Chr1	115979639	115979804	Chr10.103470	Ptpr(-38491),Tspan8(+162438)	N/A
Chr1	115980602	115980801	Chr10.103474	Ptpr(-3791),Tspan8(+163418)	N/A
Chr1	116143036	116144045	Chr10.103606	Ptpr(-157383),Taf7l2(-30074)	N/A
Chr1	116145852	116145951	Chr10.103617	Ptpr(-155472),Taf7l2(-31985)	N/A
Chr1	116145987	116146112	Chr10.103620	Ptpr(-155324),Taf7l2(-32133)	N/A
Chr1	116196980	116197126	Chr10.103667	Ptpr(-104321),Taf7l2(-83136)	N/A
Chr1	116208725	116209075	Chr10.103685	Taf7l2(-44983),Ptpr(-92474)	N/A
Chr1	116251550	116251696	Chr10.103752	Taf7l2(-137706),Ptpr(-49751)	N/A
Chr1	116261279	116261386	Chr10.103767	Taf7l2(-147416),Ptpr(-40041)	N/A
Chr1	116273896	116274047	Chr10.103790	Taf7l2(-160655),Ptpr(-27402)	N/A
Chr1	116300920	116301084	Chr10.103840	Ptpr(-372)	N/A
Chr1	116310630	116310844	Chr10.103860	Ptpr(+9363),Kcnmb4(+163141)	N/A
Chr1	116383044	116383165	Chr10.104063	Ptpr(+81731),Kcnmb4(+90773)	N/A
Chr1	116389899	116387099	Chr10.104076	Ptpr(+85676),Kcnmb4(+86629)	N/A
Chr1	116435326	116435442	Chr10.104116	Kcnmb4(+38494),Ptpr(+134010)	N/A
Chr1	116645697	116645861	Chr10.104220	Cnol2(-64279),Myrl(+251100)	N/A
Chr1	116692588	116692687	Chr10.104230	Cnol2(-111138),Myrl(+204241)	N/A
Chr1	116740246	116740345	Chr10.104244	Cnol2(-158796),Myrl(+156583)	N/A
Chr1	14454339	14454481	Chr10.10425	Gm10335(-68652),Hivep2(+488031)	N/A
Chr1	116756071	116756176	Chr10.104256	Cnol2(-174624),Myrl(+140755)	N/A
Chr1	116949528	116949627	Chr10.104403	Rab3p(+802)	N/A
Chr1	116986745	116986852	Chr10.104421	Best3(+485)	N/A
Chr1	116992647	116992760	Chr10.104439	Lrc10(-52637),Best3(+6390)	N/A
Chr1	116996406	116996652	Chr10.104449	Lrc10(-48862),Best3(+10165)	N/A
Chr1	14463354	14463536	Chr10.10447	Gm10335(-59617),Hivep2(+67066)	N/A
Chr1	14464126	14464287	Chr10.10453	Gm10335(-58855),Hivep2(+497828)	N/A
Chr1	117072733	117072835	Chr10.104593	Cct2(-8970),Fra2(+75690)	N/A
Chr1	117095035	117095263	Chr10.104625	Cct2(-31335),Fra2(+53325)	N/A
Chr1	117106238	117106641	Chr10.104631	Cct2(-42628),Fra2(+42034)	N/A
Chr1	117119709	117119855	Chr10.104643	Cct2(-58018),Fra2(-28642)	N/A
Chr1	117123687	117123832	Chr10.104654	Cct2(-59938),Fra2(+24724)	N/A

Chr10	117162726	117163216	Chr10.104680	<i>Frs2(-14497),Yeats4(+61536)</i>	N/A
Chr10	117478095	117478251	Chr10.104689	<i>Cpm(-151327),Cpsf6(-101203)</i>	N/A
Chr10	117493873	117494077	Chr10.104896	<i>Cpm(-135525),Cpsf6(-117005)</i>	N/A
Chr10	144808229	14481036	Chr10.10490	<i>Gm10335(-42129),Hmg2(-514554)</i>	N/A
Chr10	117498497	117498692	Chr10.104901	<i>Cpm(-130905),Cpsf6(-121625)</i>	N/A
Chr10	117509890	117510032	Chr10.104914	<i>Cpsf6(-132991),Cpm(-119539)</i>	N/A
Chr10	117544678	117544886	Chr10.104941	<i>Cpsf6(-167812),Cpm(-84718)</i>	N/A
Chr10	117584440	117584596	Chr10.104972	<i>Cpsf6(-207548),Cpm(-44982)</i>	N/A
Chr10	117710046	117710162	Chr10.105089	<i>Mdm2(+459)</i>	N/A
Chr10	17845157	17845337	Chr10.105211	<i>Rap1b(+688)</i>	N/A
Chr10	117905166	117905637	Chr10.105266	<i>Mdm1(-236385),Rap1b(-59467)</i>	N/A
Chr10	117905935	117906039	Chr10.105281	<i>Mdm1(-235800),Rap1b(-60052)</i>	N/A
Chr10	117906179	117906326	Chr10.105283	<i>Mdm1(-235534),Rap1b(-60318)</i>	N/A
Chr10	117953008	117953159	Chr10.105334	<i>Mdm1(-188703),Rap1b(-107149)</i>	N/A
Chr10	117982473	117982473	Chr10.105355	<i>Mdm1(-159378),Rap1b(-136474)</i>	N/A
Chr10	118003435	118003639	Chr10.105396	<i>Rap1b(-157602),Mdm1(-138250)</i>	N/A
Chr10	14518079	14518211	Chr10.10544	<i>Gm10335(-4917)</i>	N/A
Chr10	118087837	118087938	Chr10.105454	<i>Rap1b(-241953),Mdm1(-53899)</i>	N/A
Chr10	118103230	118103342	Chr10.105467	<i>Rap1b(-257351),Mdm1(-38501)</i>	N/A
Chr10	118103656	118103770	Chr10.105471	<i>Rap1b(-257778),Mdm1(-38074)</i>	N/A
Chr10	118121186	118121348	Chr10.105494	<i>Rap1b(-275329),Mdm1(-20520)</i>	N/A
Chr10	118141811	118141973	Chr10.105519	<i>Mdm1(+105)</i>	N/A
Chr10	118147276	118147433	Chr10.105537	<i>I22(-57587),Mdm1(+5568)</i>	N/A
Chr10	14540303	14540482	Chr10.10564	<i>Adgrg6(+4643),Gm10335(+17331)</i>	N/A
Chr10	118470702	118470868	Chr10.105724	<i>4932442e05rik(-390042),Rng(-29737)</i>	N/A
Chr10	1185614161	1185614269	Chr10.105788	<i>4932442e05rik(-296611),Rng(-123168)</i>	N/A
Chr10	118640417	118640527	Chr10.105812	<i>4932442e05rik(-220354),Rng(-198425)</i>	N/A
Chr10	118640951	118641053	Chr10.105816	<i>4932442e05rik(-219824),Rng(-199955)</i>	N/A
Chr10	118641088	118641252	Chr10.105818	<i>4932442e05rik(-219556),Rng(-200123)</i>	N/A
Chr10	118641282	118641487	Chr10.105821	<i>4932442e05rik(-219441),Rng(-200338)</i>	N/A
Chr10	118648195	118648306	Chr10.105825	<i>4932442e05rik(-212575),Rng(-207204)</i>	N/A
Chr10	14573492	14573673	Chr10.10589	<i>Adgrg6(-28547),Via1(+131977)</i>	N/A
Chr10	118747143	118747301	Chr10.105895	<i>4932442e05rik(-113804),Rng(-306175)</i>	N/A
Chr10	118856831	118857028	Chr10.105968	<i>4932442e05rik(-3896)</i>	N/A
Chr10	118867604	118867825	Chr10.106030	<i>Dyrk2(+1188),4932442e05rik(+6889)</i>	N/A
Chr10	118869783	118869888	Chr10.106037	<i>Dyrk2(-933)</i>	N/A
Chr10	11900912	119007127	Chr10.106085	<i>Dyrk2(-138117),Cand1(+233035)</i>	N/A
Chr10	119055272	119055371	Chr10.106127	<i>Dyrk2(-186419),Cand1(+184733)</i>	N/A
Chr10	119065674	119065790	Chr10.106140	<i>Dyrk2(-196829),Cand1(+174323)</i>	N/A
Chr10	119132243	119132357	Chr10.106165	<i>Dyrk2(-263397),Cand1(+107755)</i>	N/A
Chr10	119424144	119442247	Chr10.106396	<i>Grp1(-377316),Cand1(-202141)</i>	N/A
Chr10	119455026	119455160	Chr10.106396	<i>Grp1(-364419),Cand1(-215038)</i>	N/A
Chr10	119455193	119455330	Chr10.106399	<i>Grp1(-364530),Cand1(-215207)</i>	N/A
Chr10	119455675	119455831	Chr10.106395	<i>Grp1(-363759),Cand1(-215698)</i>	N/A
Chr10	119614954	119615135	Chr10.106568	<i>Cand1(-374990),Grip1(-204467)</i>	N/A
Chr10	119691607	119691816	Chr10.106649	<i>Cand1(-451657),Grip1(-127800)</i>	N/A
Chr10	119692488	119692626	Chr10.106651	<i>Cand1(-452502),Grip1(-126955)</i>	N/A
Chr10	119723796	119723990	Chr10.106704	<i>Cand1(-483838),Grip1(-95619)</i>	N/A
Chr10	119818422	119818567	Chr10.106809	<i>Grip1(-1017)</i>	N/A
Chr10	119819201	119819323	Chr10.106815	<i>Grip1(-250)</i>	N/A
Chr10	119819387	119819646	Chr10.106817	<i>Grip1(+5)</i>	N/A
Chr10	119851663	119851921	Chr10.106859	<i>Grp1(+32280),Hsb(+261195)</i>	N/A
Chr10	119980025	119980187	Chr10.107082	<i>Hsb(+132881),Grip1(-185094)</i>	N/A
Chr10	120205693	120206670	Chr10.107138	<i>Hsb(+86370),Grip1(-207105)</i>	N/A
Chr10	120133979	120134128	Chr10.107331	<i>Hsb(-21067),Iak3(+67605)</i>	N/A
Chr10	120236653	120237333	Chr10.107432	<i>Lph(+9923),Hmg2(+239476)</i>	N/A
Chr10	120245497	120245694	Chr10.107447	<i>Lph(+18526),Hmg2(+230873)</i>	N/A
Chr10	120246119	120246228	Chr10.107451	<i>Lph(+19104),Hmg2(+230295)</i>	N/A
Chr10	120246363	120246547	Chr10.107453	<i>Lph(+19395),Hmg2(+230004)</i>	N/A
Chr10	120246596	120247069	Chr10.107457	<i>Lph(+19758),Hmg2(+229641)</i>	N/A
Chr10	120247135	120247256	Chr10.107461	<i>Lph(+20126),Hmg2(+229273)</i>	N/A
Chr10	120252896	120253074	Chr10.107465	<i>Lph(+25915),Hmg2(+223484)</i>	N/A
Chr10	120272740	120273020	Chr10.107477	<i>Lph(+45810),Hmg2(+203589)</i>	N/A
Chr10	120273279	120273653	Chr10.107480	<i>Lph(+46399),Hmg2(+203003)</i>	N/A
Chr10	120274099	120274627	Chr10.107485	<i>Lph(+47293),Hmg2(+202108)</i>	N/A
Chr10	120274736	120275358	Chr10.107494	<i>Lph(+47977),Hmg2(+201422)</i>	N/A
Chr10	120276968	120277104	Chr10.107505	<i>Lph(+49966),Hmg2(+199433)</i>	N/A
Chr10	120284838	120285188	Chr10.107513	<i>Lph(+57943),Hmg2(+191456)</i>	N/A
Chr10	120309758	120309877	Chr10.107568	<i>Lph(+82748),Hmg2(-166651)</i>	N/A
Chr10	120364148	120364311	Chr10.107668	<i>Hmg2(+112239),Lph(+137160)</i>	N/A
Chr10	120365138	120365656	Chr10.107676	<i>Hmg2(+111072),Lph(+138327)</i>	N/A
Chr10	120365814	120366017	Chr10.107681	<i>Hmg2(+110553),Lph(+13846)</i>	N/A
Chr10	120366053	120366232	Chr10.107683	<i>Hmg2(+110326),Lph(+139073)</i>	N/A
Chr10	120366620	120366736	Chr10.107690	<i>Hmg2(+109791),Lph(+139608)</i>	N/A
Chr10	120369650	120370056	Chr10.107709	<i>Hmg2(+106616),Lph(+142783)</i>	N/A
Chr10	120371373	120371630	Chr10.107718	<i>Hmg2(+104967),Lph(+144423)</i>	N/A
Chr10	120377368	120377802	Chr10.107726	<i>Hmg2(+98884),Lph(+150515)</i>	N/A
Chr10	120377837	120377941	Chr10.107731	<i>Hmg2(+98580),Lph(+150819)</i>	N/A
Chr10	14977752	14977989	Chr10.10774	<i>B230364g03rik(-217151)</i>	N/A
Chr10	120384142	120384273	Chr10.107741	<i>Hmg2(+92261),Lph(+157138)</i>	N/A
Chr10	120384667	120384668	Chr10.107745	<i>Hmg2(+91256),Lph(+158143)</i>	N/A
Chr10	120388211	120388337	Chr10.107761	<i>Hmg2(+88195),Lph(+161204)</i>	N/A
Chr10	120391521	120391658	Chr10.107769	<i>Hmg2(+84879),Lph(+164520)</i>	N/A
Chr10	120391833	120392081	Chr10.107772	<i>Hmg2(+84512),Lph(+164887)</i>	N/A
Chr10	120404739	120404889	Chr10.107780	<i>Hmg2(+71655),Lph(+177744)</i>	N/A
Chr10	120406208	120406420	Chr10.107785	<i>Hmg2(+70159),Lph(+178244)</i>	N/A
Chr10	120417182	120417494	Chr10.107804	<i>Hmg2(+59131),Lph(+190267)</i>	N/A
Chr10	120418332	120418514	Chr10.107808	<i>Hmg2(+58046),Lph(+191353)</i>	N/A
Chr10	120418775	120419074	Chr10.107811	<i>Hmg2(+57544),Lph(+191855)</i>	N/A
Chr10	120419273	120419499	Chr10.107815	<i>Hmg2(+57083),Lph(+192316)</i>	N/A
Chr10	120420961	120421421	Chr10.107818	<i>Hmg2(+55278),Lph(+194121)</i>	N/A
Chr10	120421922	120422338	Chr10.107825	<i>Hmg2(+54339),Lph(+195060)</i>	N/A
Chr10	120428490	120428721	Chr10.107836	<i>Hmg2(+47863),Lph(+201536)</i>	N/A
Chr10	120429155	120429308	Chr10.107843	<i>Hmg2(+47237),Lph(+202162)</i>	N/A
Chr10	120430541	120430824	Chr10.107849	<i>Hmg2(+45786),Lph(+203613)</i>	N/A
Chr10	120431551	120431692	Chr10.107852	<i>Hmg2(+44847),Lph(+204552)</i>	N/A
Chr10	120433264	120433407	Chr10.107863	<i>Hmg2(+45133),Lph(+206266)</i>	N/A
Chr10	120441513	120441684	Chr10.107872	<i>Hmg2(+34870),Lph(+214529)</i>	N/A
Chr10	120442156	120442372	Chr10.107878	<i>Hmg2(+34205),Lph(+215194)</i>	N/A
Chr10	120448041	120448395	Chr10.107898	<i>Hmg2(+28251),Lph(+221148)</i>	N/A
Chr10	120452878	120452993	Chr10.107907	<i>Hmg2(+23533),Lph(+225866)</i>	N/A
Chr10	120461738	120461875	Chr10.107925	<i>Hmg2(+14662),Lph(+234737)</i>	N/A
Chr10	120462309	120462463	Chr10.107928	<i>Hmg2(+14083),Lph(+233316)</i>	N/A
Chr10	120465710	120465996	Chr10.107934	<i>Hmg2(+10616),Lph(+238783)</i>	N/A
Chr10	120473821	120473967	Chr10.107965	<i>Hmg2(+2975),Lph(+246824)</i>	N/A
Chr10	120474204	120474319	Chr10.107967	<i>Hmg2(+2207),Lph(+247192)</i>	N/A
Chr10	120474625	120474732	Chr10.107968	<i>Hmg2(+1790),Lph(+247609)</i>	N/A
Chr10	120477096	120477243	Chr10.107974	<i>Hmg2(-701)</i>	N/A
Chr10	120477881	120478052	Chr10.107979	<i>Hmg2(-1498)</i>	N/A
Chr10	120478402	120478547	Chr10.107983	<i>Hmg2(-2006)</i>	N/A
Chr10	120489517	120489823	Chr10.107986	<i>492151303rik(-278104),Hmg2(-13201)</i>	N/A
Chr10	120513960	120514069	Chr10.108008	<i>492151303rik(-251759),Hmg2(-37546)</i>	N/A
Chr10	120525646	120525799	Chr10.108015	<i>492151303rik(-240051),Hmg2(-49254)</i>	N/A
Chr10	120545415	120545685	Chr10.108044	<i>492151303rik(-220224),Hmg2(-69081)</i>	N/A
Chr10	120545781	120546034	Chr10.108048	<i>492151303rik(-219876),Hmg2(-69429)</i>	N/A
Chr10	120546129	120546229	Chr10.108053	<i>492151303rik(-218595),Hmg2(-69710)</i>	N/A
Chr10	120570485	120570644	Chr10.108065	<i>492151303rik(-195209),Hmg2(-94096)</i>	N/A
Chr10	120571314	120571694	Chr10.108068	<i>492151303rik(-194270),Hmg2(-95035)</i>	N/A
Chr10	120577778	120577911	Chr10.108085	<i>492151303rik(-187929),Hmg2(-101376)</i>	N/A
Chr10	120578834	120578940	Chr10.108096	<i>492151303rik(-186887),Hmg2(-102416)</i>	N/A
Chr10	120582983	120582863	Chr10.108103	<i>492151303rik(-183049),Hmg2(-106257)</i>	N/A
Chr10	120588224	120588733	Chr10.108110	<i>492151303rik(-177295),Hmg2(-112010)</i>	N/A
Chr10	120616921	120617179	Chr10.108144	<i>492151303rik(-148724),Hmg2(-140581)</i>	N/A
Chr10	120624407	120624649	Chr10.108145	<i>Hmg2(-148059),492151303rik(-141246)</i>	N/A
Chr10	120636167	120636368	Chr10.108159	<i>Hmg2(-159799),492151303rik(-129506)</i>	N/A
Chr10	120641712	120641923	Chr10.108162	<i>Hmg2(-163349),492151303rik(-123956)</i>	N/A
Chr10	120659932	120660113	Chr10.108180	<i>Hmg2(-183554),492151303rik(-105751)</i>	N/A
Chr10	120663553	120660592	Chr10.108184	<i>Hmg2(-184004),492151303rik(-105301)</i>	N/A
Chr10	120667729	120667845	Chr10.108210	<i>Hmg2(-191318),492151303rik(-97987)</i>	N/A
Chr10	120674849	120674840	Chr10.108222	<i>Hmg2(-198276),492151303rik(-91029)</i>	N/A
Chr10	120678251	120678417	Chr10.108226	<i>Hmg2(-201865),492151303rik(-87440)</i>	N/A
Chr10	120678447	120678592	Chr10.108228	<i>Hmg2(-202051),492151303rik(-87254)</i>	N/A
Chr10	120678875	120679179	Chr10.108230	<i>Hmg2(-202558),492151303rik(-86747)</i>	N/A
Chr10	120679359	120679631	Chr10.108236	<i>Hmg2(-203026),492151303rik(-86279)</i>	N/A
Chr10	120680700	120680849	Chr10.108240	<i>Hmg2(-204306),492151303rik(-84999)</i>	N/A
Chr10	120682447	120682613	Chr10.108244	<i>Hmg2(-206068),492151303rik(-83244)</i>	N/A

Chr10	120694351	120694696	Chr10.108276	Hmga2(-218055),492151303nk(-71250)	N/A
Chr10	120706511	120707016	Chr10.108292	Hmga2(-230295),492151303nk(-59010)	N/A
Chr10	120707824	120708021	Chr10.108297	Hmga2(-231454),492151303nk(-57851)	N/A
Chr10	120711752	120712122	Chr10.108307	Hmga2(-235468),492151303nk(-53852)	N/A
Chr10	120717266	120717555	Chr10.108318	Hmga2(-240904),492151303nk(-48363)	N/A
Chr10	120717644	120717757	Chr10.108322	Hmga2(-241232),492151303nk(-48073)	N/A
Chr10	120720985	120721184	Chr10.108329	Hmga2(-244616),492151303nk(-44689)	N/A
Chr10	120721273	120721393	Chr10.108332	Hmga2(-244864),492151303nk(-44441)	N/A
Chr10	120742736	120742850	Chr10.108360	Hmga2(-265324),492151303nk(-22681)	N/A
Chr10	120744863	120744846	Chr10.108366	Hmga2(-265296),492151303nk(-21099)	N/A
Chr10	120745169	120745485	Chr10.108367	Hmga2(-268858),492151303nk(-20447)	N/A
Chr10	120751600	120751706	Chr10.108380	Hmga2(-275184),492151303nk(-14121)	N/A
Chr10	120752120	120752259	Chr10.108382	Hmga2(-275721),492151303nk(-13584)	N/A
Chr10	120764149	120764444	Chr10.108398	492151303nk(-1479)	N/A
Chr10	120783342	120783541	Chr10.108426	492151303nk(+17668),Msr3(+115659)	N/A
Chr10	120787380	120787607	Chr10.108450	492151303nk(+21720),Msr3(+111607)	N/A
Chr10	120787942	120788362	Chr10.108456	492151303nk(+22378),Msr3(+110949)	N/A
Chr10	120788495	120788688	Chr10.108459	492151303nk(+22818),Msr3(+110509)	N/A
Chr10	120794381	120794830	Chr10.108473	492151303nk(+28832),Msr3(+104495)	N/A
Chr10	120801244	120802078	Chr10.108480	492151303nk(+35897),Msr3(+97440)	N/A
Chr10	120808617	120809695	Chr10.108492	492151303nk(+44114),Msr3(+89213)	N/A
Chr10	120810303	120810694	Chr10.108494	492151303nk(+44725),Msr3(+88602)	N/A
Chr10	120811229	120811471	Chr10.108500	492151303nk(+45576),Msr3(+87751)	N/A
Chr10	120821077	120821430	Chr10.108516	492151303nk(+55480),Msr3(+77847)	N/A
Chr10	120821855	120822253	Chr10.108520	492151303nk(+56280),Msr3(+77047)	N/A
Chr10	120823217	120823210	Chr10.108525	492151303nk(+57340),Msr3(+55987)	N/A
Chr10	120823312	120823480	Chr10.108527	492151303nk(+57622),Msr3(+75705)	N/A
Chr10	120825459	120825915	Chr10.108536	492151303nk(+59913),Msr3(+73414)	N/A
Chr10	120845665	120845815	Chr10.108553	Msr3(+53361),492151303nk(+79966)	N/A
Chr10	120848799	120849010	Chr10.108557	Msr3(+50196),492151303nk(+83131)	N/A
Chr10	120850423	120850738	Chr10.108564	Msr3(+48520),492151303nk(+84807)	N/A
Chr10	120850834	120851628	Chr10.108566	Msr3(+47870),492151303nk(+85457)	N/A
Chr10	120852912	120853050	Chr10.108577	Msr3(+461120),492151303nk(+87207)	N/A
Chr10	120853838	120854529	Chr10.108585	Msr3(+44917),492151303nk(+88410)	N/A
Chr10	120854573	120854916	Chr10.108591	Msr3(+44356),492151303nk(+88971)	N/A
Chr10	120855108	120855379	Chr10.108594	Msr3(+43857),492151303nk(+89470)	N/A
Chr10	120856781	120856974	Chr10.108596	Msr3(+42223),492151303nk(+91104)	N/A
Chr10	120859973	120860189	Chr10.108605	Msr3(+39020),492151303nk(+94307)	N/A
Chr10	120864449	120864595	Chr10.108616	Msr3(+34579),492151303nk(+98748)	N/A
Chr10	120866058	120866228	Chr10.108618	Msr3(+32958),492151303nk(+100369)	N/A
Chr10	120870787	120871141	Chr10.108630	Msr3(+28137),492151303nk(+105190)	N/A
Chr10	15299592	15299761	Chr10.10864	B23036Ag03nk(-538957)	N/A
Chr10	120872015	120872264	Chr10.108640	Msr3(+26911),492151303nk(+106416)	N/A
Chr10	120872567	120872709	Chr10.108642	Msr3(+26463),492151303nk(+106864)	N/A
Chr10	120953132	120953268	Chr10.108696	Msr3(+54099),Lemd3(+26132)	N/A
Chr10	15300247	15300443	Chr10.10873	B23036Ag03nk(-539625)	N/A
Chr10	121040812	121040928	Chr10.108757	Wf1(+6809),Tbc1d30(+270320)	N/A
Chr10	121040961	121041245	Chr10.108760	Wf1(+7143),Tbc1d30(+27086)	N/A
Chr10	121062774	121063213	Chr10.108774	Wf1(+29034),Tbc1d30(+248195)	N/A
Chr10	15300747	15300864	Chr10.10878	B23036Ag03nk(-540086)	N/A
Chr10	121067544	121067788	Chr10.108783	Wf1(+33706),Tbc1d30(+243523)	N/A
Chr10	121098322	121098440	Chr10.108831	Wf1(+64421),Tbc1d30(+212808)	N/A
Chr10	121099617	121099773	Chr10.108839	Wf1(+65735),Tbc1d30(+211494)	N/A
Chr10	121099837	121100192	Chr10.108843	Wf1(+65055),Tbc1d30(+211174)	N/A
Chr10	121126370	121126561	Chr10.108869	Wf1(+92506),Tbc1d30(+184723)	N/A
Chr10	121126810	121126909	Chr10.108874	Wf1(+92900),Tbc1d30(+184329)	N/A
Chr10	121129135	121129372	Chr10.108882	Wf1(+95294),Tbc1d30(+181935)	N/A
Chr10	121129580	121129731	Chr10.108888	Wf1(+95696),Tbc1d30(+181533)	N/A
Chr10	121150566	121150733	Chr10.108893	Wf1(+116690),Tbc1d30(+160539)	N/A
Chr10	121150419	121150633	Chr10.108902	Wf1(+126566),Tbc1d30(+150663)	N/A
Chr10	121160679	121160936	Chr10.108905	Wf1(+126848),Tbc1d30(+150381)	N/A
Chr10	121206177	121206501	Chr10.108915	Tbc1d30(+104850),Wf1(+172379)	N/A
Chr10	121222487	121223111	Chr10.108924	Tbc1d30(+88390),Wf1(+188839)	N/A
Chr10	121228659	121228929	Chr10.108937	Tbc1d30(+82395),Wf1(+194834)	N/A
Chr10	121347098	121347272	Chr10.109008	Tbc1d30(-35996),Gns(+17905)	N/A
Chr10	15392094	15392262	Chr10.10910	B23036Ag03nk(-631458)	N/A
Chr10	15392442	15392909	Chr10.10912	B23036Ag03nk(-631956)	N/A
Chr10	121411317	121411422	Chr10.109179	Gns(+46280),Rassf3(+64880)	N/A
Chr10	121425561	121425878	Chr10.109199	Rassf3(+50530),Gns(+60630)	N/A
Chr10	121467509	121467632	Chr10.109221	Rassf3(+8679),Gns(+102481)	N/A
Chr10	121471650	121471804	Chr10.109225	Rassf3(+4523),Gns(+106537)	N/A
Chr10	121506933	121507105	Chr10.109234	Rassf3(-30769),Tbk1(+79775)	N/A
Chr10	121511273	121511376	Chr10.109241	Rassf3(-35075),Tbk1(+75469)	N/A
Chr10	121521148	121521249	Chr10.109243	Rassf3(-44949),Tbk1(+65595)	N/A
Chr10	121531941	121532075	Chr10.109252	Rassf3(-55758),Tbk1(+54786)	N/A
Chr10	121625599	121625700	Chr10.109345	Xpal(-666)	N/A
Chr10	121781638	121781844	Chr10.109479	Bc048403(+41804),Srgap1(+265574)	N/A
Chr10	121806246	121806350	Chr10.109536	Bc048403(+66361),Srgap1(+241017)	N/A
Chr10	121838880	121837096	Chr10.109581	Bc048403(+97051),Srgap1(+210327)	N/A
Chr10	121860324	121860482	Chr10.109605	Bc048403(+120466),Srgap1(+186912)	N/A
Chr10	121873227	121873425	Chr10.109634	Bc048403(+133389),Srgap1(+173969)	N/A
Chr10	121873888	121874033	Chr10.109636	Bc048403(+134024),Srgap1(+17335)	N/A
Chr10	121919113	121919230	Chr10.109676	Srgap1(+128143),Bc048403(+178235)	N/A
Chr10	121924633	121924760	Chr10.109679	Srgap1(+122618),Bc048403(+184760)	N/A
Chr10	121932058	121932274	Chr10.109690	Srgap1(+115149),Bc048403(+192229)	N/A
Chr10	121933240	121933362	Chr10.109699	Srgap1(+114014),Bc048403(+193364)	N/A
Chr10	121946249	121946352	Chr10.109705	Srgap1(+101014),Bc048403(+206360)	N/A
Chr10	121964185	121964404	Chr10.109714	Srgap1(+82975),Bc048403(+224033)	N/A
Chr10	121995528	121996638	Chr10.109747	Srgap1(+47732),Bc048403(+259646)	N/A
Chr10	122009264	122009404	Chr10.109761	Srgap1(+37981),Bc048403(+269397)	N/A
Chr10	122014299	122014460	Chr10.109764	Srgap1(+32935),Bc048403(+274443)	N/A
Chr10	122026274	122026525	Chr10.109777	Srgap1(+17915),Bc048403(+289463)	N/A
Chr10	122029900	122030030	Chr10.109779	Srgap1(+17350),Bc048403(+290028)	N/A
Chr10	122046432	122046612	Chr10.109790	Srgap1(+793)	N/A
Chr10	15592052	15592165	Chr10.10985	B23036Ag03nk(-831389)	N/A
Chr10	15592506	15592644	Chr10.10990	B23036Ag03nk(-831855)	N/A
Chr10	122564111	122564235	Chr10.109906	Ppm1th(-114609),Avpr1a(+115674)	N/A
Chr10	122693338	122693442	Chr10.109941	Ppm1th(-14608),Mon2(-3831)	N/A
Chr10	122753777	122753929	Chr10.109975	Ppm1th(+75071),Mon2(+322652)	N/A
Chr10	122792079	122792238	Chr10.109992	Ppm1th(+113377),Mon2(+284346)	N/A
Chr10	122807300	122807439	Chr10.110013	Ppm1th(+128588),Mon2(+269135)	N/A
Chr10	122808257	122808430	Chr10.110022	Ppm1th(+129562),Mon2(+268161)	N/A
Chr10	122826284	122826396	Chr10.110041	Ppm1th(+147558),Mon2(+250165)	N/A
Chr10	122829805	122829928	Chr10.110045	Ppm1th(+151085),Mon2(+246338)	N/A
Chr10	122845616	122845732	Chr10.110049	Ppm1th(+166892),Mon2(+230831)	N/A
Chr10	122845773	122846093	Chr10.110052	Ppm1th(+167151),Mon2(+230572)	N/A
Chr10	122862224	122862414	Chr10.110065	Ppm1th(+183537),Mon2(+214186)	N/A
Chr10	122877732	122877847	Chr10.110080	Mon2(+198715),Ppm1th(+199008)	N/A
Chr10	122884600	122884737	Chr10.110091	Mon2(+191836),Ppm1th(+205887)	N/A
Chr10	122886890	122887084	Chr10.110098	Mon2(+189628),Ppm1th(+208060)	N/A
Chr10	122887246	122887388	Chr10.110102	Mon2(+189188),Ppm1th(+208535)	N/A
Chr10	122887643	122887775	Chr10.110104	Mon2(+188796),Ppm1th(+208927)	N/A
Chr10	122891404	122891535	Chr10.110108	Mon2(+185035),Ppm1th(+212688)	N/A
Chr10	122903561	122903662	Chr10.110113	Mon2(+172893),Ppm1th(+224830)	N/A
Chr10	122911816	122911941	Chr10.110123	Mon2(+164626),Ppm1th(+233027)	N/A
Chr10	122918092	122918318	Chr10.110134	Mon2(+158300),Ppm1th(+239423)	N/A
Chr10	122985586	122985735	Chr10.110199	Mon2(+90844),Ppm1th(+306879)	N/A
Chr10	122990010	122990357	Chr10.110202	Mon2(+86321),Ppm1th(+311402)	N/A
Chr10	122994836	122995023	Chr10.110220	Mon2(+81575),Ppm1th(+316148)	N/A
Chr10	123196291	123196390	Chr10.110393	Usp15(+594)	N/A
Chr10	123265409	123265509	Chr10.110439	Tafa2(+1383)	N/A
Chr10	123419572	123419734	Chr10.110634	Tafa2(+155577)	N/A
Chr10	123520596	123520758	Chr10.110732	Tafa2(+256601)	N/A
Chr10	123570565	123570886	Chr10.110784	Tafa2(+306700)	N/A
Chr10	123571054	123571235	Chr10.110792	Tafa2(+307069)	N/A
Chr10	123632348	123632174	Chr10.110849	Tafa2(+368035)	N/A
Chr10	123678377	123678508	Chr10.110890	Tafa2(+414367)	N/A
Chr10	123875684	123876015	Chr10.111127	Tafa2(+611774)	N/A
Chr10	124796429	124796551	Chr10.111468	Slc16a7(+532473)	N/A
Chr10	125273938	125274092	Chr10.111776	Slc16a7(+54948)	N/A
Chr10	125328326	125328448	Chr10.111808	Slc16a7(+576)	N/A
Chr10	125313888	125332014	Chr10.111816	Slc16a7(-2948)	N/A
Chr10	125372216	125372347	Chr10.111848	Lrg3(-593937),Slc16a7(-43319)	N/A
Chr10	125743446	125743573	Chr10.112033	Slc16a7(-414547),Lrg3(-222709)	N/A
Chr10	125771837	125772047	Chr10.112050	Slc16a7(-442979),Lrg3(-194277)	N/A
Chr10	125773472	125773709	Chr10.112056	Slc16a7(-444628),Lrg3(-192628)	N/A
Chr10	125778915	125777027	Chr10.112062	Slc16a7(-448068),Lrg3(-189249)	N/A
Chr10	125785366	125785557	Chr10.112077	Slc16a7(-456499),Lrg3(-180757)	N/A

Chr10	125785755	125786004	Chr10.112082	<i>Slc16a7(-456917),Lrg3(-180339)</i>	N/A
Chr10	125786816	125787010	Chr10.112086	<i>Slc16a7(-457950),Lrg3(-179306)</i>	N/A
Chr10	125787204	125787304	Chr10.112088	<i>Slc16a7(-458291),Lrg3(-178965)</i>	N/A
Chr10	125787495	125787635	Chr10.112092	<i>Slc16a7(-458587),Lrg3(-178659)</i>	N/A
Chr10	125798664	125798825	Chr10.112100	<i>Slc16a7(-469782),Lrg3(-167474)</i>	N/A
Chr10	125798940	125799041	Chr10.112102	<i>Slc16a7(-470028),Lrg3(-167228)</i>	N/A
Chr10	125832974	125833140	Chr10.112125	<i>Slc16a7(-504094),Lrg3(-133162)</i>	N/A
Chr10	125838995	125839270	Chr10.112131	<i>Slc16a7(-510170),Lrg3(-127086)</i>	N/A
Chr10	125839406	125839663	Chr10.112136	<i>Slc16a7(-510572),Lrg3(-126894)</i>	N/A
Chr10	125844035	125845105	Chr10.112151	<i>Slc16a7(-516057),Lrg3(-121199)</i>	N/A
Chr10	125862355	125862530	Chr10.112170	<i>Slc16a7(-533480),Lrg3(-103776)</i>	N/A
Chr10	125885916	125886097	Chr10.112194	<i>Slc16a7(-557044),Lrg3(-80212)</i>	N/A
Chr10	125943272	125943592	Chr10.112219	<i>Slc16a7(-614469),Lrg3(-22787)</i>	N/A
Chr10	125944802	125945034	Chr10.112221	<i>Slc16a7(-615955),Lrg3(-21301)</i>	N/A
Chr10	125947508	125947667	Chr10.112226	<i>Slc16a7(-618625),Lrg3(-818650)</i>	N/A
Chr10	125947832	125948147	Chr10.112229	<i>Slc16a7(-619027),Lrg3(-18229)</i>	N/A
Chr10	125954968	125955088	Chr10.112239	<i>Slc16a7(-626065),Lrg3(-11191)</i>	N/A
Chr10	125955476	125955617	Chr10.112245	<i>Slc16a7(-626584),Lrg3(-10672)</i>	N/A
Chr10	125961824	125962022	Chr10.112264	<i>Lrg3(-4298)</i>	N/A
Chr10	125967797	125967975	Chr10.112273	<i>Lrg3(+1667),Atp23(+933485)</i>	N/A
Chr10	125968179	125968531	Chr10.112275	<i>Lrg3(+2136),Atp23(+933018)</i>	N/A
Chr10	125969370	125969651	Chr10.112280	<i>Lrg3(+3292),Atp23(+931860)</i>	N/A
Chr10	125969960	125970083	Chr10.112281	<i>Lrg3(+3803),Atp23(+931349)</i>	N/A
Chr10	125970607	125970767	Chr10.112283	<i>Lrg3(+4468),Atp23(+930684)</i>	N/A
Chr10	125971734	125971953	Chr10.112287	<i>Lrg3(+5825),Atp23(+929527)</i>	N/A
Chr10	125973755	125974044	Chr10.112293	<i>Lrg3(+5891),Atp23(+927471)</i>	N/A
Chr10	125987408	125987640	Chr10.112305	<i>Lrg3(+21305),Atp23(+913847)</i>	N/A
Chr10	125988196	125988324	Chr10.112309	<i>Lrg3(+22041),Atp23(+913111)</i>	N/A
Chr10	125990511	125990880	Chr10.112322	<i>Lrg3(+24477),Atp23(+910675)</i>	N/A
Chr10	125991204	125991341	Chr10.112332	<i>Lrg3(+25054),Atp23(+910098)</i>	N/A
Chr10	125995869	125995973	Chr10.112345	<i>Lrg3(+29705),Atp23(+905447)</i>	N/A
Chr10	125998178	125998307	Chr10.112361	<i>Lrg3(+32024),Atp23(+903128)</i>	N/A
Chr10	126005211	126005315	Chr10.112383	<i>Lrg3(+39044),Atp23(+896108)</i>	N/A
Chr10	126013660	126013899	Chr10.112450	<i>Lrg3(+47561),Atp23(+887591)</i>	N/A
Chr10	126056768	126056937	Chr10.112492	<i>Lrg3(+90634),Atp23(+844518)</i>	N/A
Chr10	126071521	126071694	Chr10.112512	<i>Lrg3(+105389),Atp23(-829783)</i>	N/A
Chr10	126082693	126082838	Chr10.112515	<i>Lrg3(+1652),Atp23(+818650)</i>	N/A
Chr10	126144836	126145113	Chr10.112553	<i>Lrg3(+178756),Atp23(-756396)</i>	N/A
Chr10	126161588	126161701	Chr10.112564	<i>Lrg3(+195426),Atp23(+739726)</i>	N/A
Chr10	126161999	126162136	Chr10.112569	<i>Lrg3(+195849),Atp23(+739303)</i>	N/A
Chr10	16441161	16441501	Chr10.11264	<i>None</i>	N/A
Chr10	126250964	126251111	Chr10.112655	<i>Lrg3(+290819),Atp23(+644333)</i>	N/A
Chr10	126330592	126330699	Chr10.112718	<i>Lrg3(+36427),Atp23(-570725)</i>	N/A
Chr10	126331713	126331817	Chr10.112722	<i>Lrg3(+365546),Atp23(+569606)</i>	N/A
Chr10	126369230	126369526	Chr10.112745	<i>Lrg3(+403159),Atp23(+531993)</i>	N/A
Chr10	126452532	126452956	Chr10.112874	<i>Atp23(+448627),Lrg3(+486525)</i>	N/A
Chr10	126521853	126522088	Chr10.112968	<i>Atp23(+379401),Lrg3(+555751)</i>	N/A
Chr10	126641551	126641797	Chr10.113118	<i>Atp23(+258697),Lrg3(+675455)</i>	N/A
Chr10	126664327	126664685	Chr10.113141	<i>Atp23(+236855),Lrg3(+698287)</i>	N/A
Chr10	126748878	126749021	Chr10.113190	<i>Atp23(+152421),Lrg3(+782731)</i>	N/A
Chr10	126749327	126749453	Chr10.113198	<i>Atp23(+151981),Lrg3(+783171)</i>	N/A
Chr10	126776165	126776291	Chr10.113209	<i>Atp23(+125143),Lrg3(+810009)</i>	N/A
Chr10	126808245	126808423	Chr10.113249	<i>Atp23(+93037),Lrg3(+842115)</i>	N/A
Chr10	126815229	126815413	Chr10.113265	<i>Atp23(+86050),Lrg3(+849102)</i>	N/A
Chr10	126845353	126845468	Chr10.113286	<i>Atp23(+55960),Lrg3(+879192)</i>	N/A
Chr10	126854742	126854981	Chr10.113296	<i>Atp23(+46509),Lrg3(+888643)</i>	N/A
Chr10	126873002	126873177	Chr10.113317	<i>Atp23(+28281),Lrg3(+906871)</i>	N/A
Chr10	126928231	126928349	Chr10.113347	<i>Ctdsp2(-50427),Atp23(-26919)</i>	N/A
Chr10	126935861	126936181	Chr10.113359	<i>Ctdsp2(-42566),Atp23(-34650)</i>	N/A
Chr10	126957037	126957382	Chr10.113365	<i>Atp23(-55829),Ctdsp2(-21517)</i>	N/A
Chr10	126957704	126957849	Chr10.113366	<i>Atp23(-56406),Ctdsp2(-20940)</i>	N/A
Chr10	126957896	126958107	Chr10.113367	<i>Atp23(-56631),Ctdsp2(-20715)</i>	N/A
Chr10	126962670	126963042	Chr10.113370	<i>Atp23(-61530),Ctdsp2(-15816)</i>	N/A
Chr10	126978451	126978644	Chr10.113382	<i>Ctdsp2(-169)</i>	N/A
Chr10	126978982	126979116	Chr10.113389	<i>Ctdsp2(-332)</i>	N/A
Chr10	126979872	126980031	Chr10.113394	<i>Avil(-20757),Ctdsp2(+1235)</i>	N/A
Chr10	126981632	126981824	Chr10.113399	<i>Avil(-18981),Ctdsp2(+3011)</i>	N/A
Chr10	126986784	126986916	Chr10.113401	<i>Avil(-13859),Ctdsp2(+8133)</i>	N/A
Chr10	126995494	126995613	Chr10.113412	<i>Avil(-5155),Ctdsp2(+16837)</i>	N/A
Chr10	126996865	126996878	Chr10.113443	<i>Avil(-1927)</i>	N/A
Chr10	127000593	127000740	Chr10.113447	<i>Avil(-42)</i>	N/A
Chr10	16545456	16545628	Chr10.11345	<i>None</i>	N/A
Chr10	16546205	16546430	Chr10.11349	<i>None</i>	N/A
Chr10	127043368	127043530	Chr10.113615	<i>Cyp27b1(-4801),Eef1akm3(-1936)</i>	N/A
Chr10	127056017	127056147	Chr10.113702	<i>March9(-4102),Cyp27b1(+7832)</i>	N/A
Chr10	127060917	127061055	Chr10.113725	<i>Cdk4(-4548),March9(-802)</i>	N/A
Chr10	127063507	127063730	Chr10.113731	<i>March9(-3435),Cdk4(-45)</i>	N/A
Chr10	127070109	127070434	Chr10.113782	<i>Tspan3(-11)</i>	N/A
Chr10	127077671	127077776	Chr10.113804	<i>Agap2(-1183)</i>	N/A
Chr10	127081564	127081745	Chr10.113822	<i>Agap2(+2748),Oss9(+39505)</i>	N/A
Chr10	127082086	127082237	Chr10.113825	<i>Agap2(-3255),Oss9(+36998)</i>	N/A
Chr10	127167852	127168075	Chr10.113972	<i>B4gint1(+2855),Slc26a10(+12631)</i>	N/A
Chr10	127187539	127187714	Chr10.114109	<i>Slc26a10(-6892),Arhgef28(+2427)</i>	N/A
Chr10	127189142	127189315	Chr10.114117	<i>Arhgef25(+825)</i>	N/A
Chr10	127196441	127196563	Chr10.114147	<i>Dtx3(-793)</i>	N/A
Chr10	127197075	127197251	Chr10.114153	<i>Dtx3(-1454)</i>	N/A
Chr10	127197882	127198034	Chr10.114154	<i>Dtx3(-2349)</i>	N/A
Chr10	127198613	127198825	Chr10.114158	<i>Dtx3(-3010)</i>	N/A
Chr10	127225692	127225852	Chr10.114197	<i>Pip4k2c(-14150),Klf5a(+37591)</i>	N/A
Chr10	16638264	16638382	Chr10.11421	<i>None</i>	N/A
Chr10	127264502	127264622	Chr10.114310	<i>Dctn2(-1700),Klf5a(-1199)</i>	N/A
Chr10	127266215	127266332	Chr10.114313	<i>Klf5a(-2911),Dctn2(+12)</i>	N/A
Chr10	127268004	127268866	Chr10.114325	<i>Dctn2(-2473),Mbd6(+20155)</i>	N/A
Chr10	127270380	127270499	Chr10.114332	<i>Dctn2(+4178),Mbd6(+18450)</i>	N/A
Chr10	127270989	127271134	Chr10.114337	<i>Dctn2(+4800),Mbd6(+17828)</i>	N/A
Chr10	127274364	127274576	Chr10.114349	<i>Dctn2(+8208),Mbd6(+14420)</i>	N/A
Chr10	127281901	127282942	Chr10.114374	<i>Mbd6(+4468),Dctn2(+16160)</i>	N/A
Chr10	127287867	127288160	Chr10.114404	<i>Dctn2(-710),Mbd6(-826)</i>	N/A
Chr10	127288311	127288549	Chr10.114408	<i>Ddl3(-2544),Mbd6(+460)</i>	N/A
Chr10	127289346	127289520	Chr10.114413	<i>Ddl3(-1341),Mbd6(-543)</i>	N/A
Chr10	127289550	127289673	Chr10.114415	<i>Ddl3(-1162),Mbd6(-722)</i>	N/A
Chr10	127290657	127290901	Chr10.114424	<i>Mbd6(-1889),Ddl3(+5)</i>	N/A
Chr10	127291572	127291736	Chr10.114432	<i>Mbd6(-2764),Ddl3(+880)</i>	N/A
Chr10	127293212	127293326	Chr10.114436	<i>Mbd6(-4379),Ddl3(+4495)</i>	N/A
Chr10	127339376	127339698	Chr10.114639	<i>Gli1(+2052),Arrgap9(+15810)</i>	N/A
Chr10	127340613	127340760	Chr10.114649	<i>Gli1(+902)</i>	N/A
Chr10	127351792	127351944	Chr10.114690	<i>Inhbe(-96)</i>	N/A
Chr10	127411623	127411816	Chr10.114755	<i>Stac3(-89997),R3hdm2(+31058)</i>	N/A
Chr10	127420153	127420270	Chr10.114763	<i>Stac3(-81505),R3hdm2(+39550)</i>	N/A
Chr10	127420366	127420485	Chr10.114764	<i>Stac3(-81291),R3hdm2(+39794)</i>	N/A
Chr10	127420695	127420938	Chr10.114766	<i>Stac3(-80900),R3hdm2(+40155)</i>	N/A
Chr10	127420991	127421263	Chr10.114767	<i>Stac3(-80590),R3hdm2(+40465)</i>	N/A
Chr10	127421292	127421411	Chr10.114771	<i>Stac3(-80365),R3hdm2(+40690)</i>	N/A
Chr10	127422160	127422384	Chr10.114785	<i>Stac3(-79445),R3hdm2(+41610)</i>	N/A
Chr10	127464228	127464448	Chr10.114868	<i>Stac3(-37379),R3hdm2(+43676)</i>	N/A
Chr10	127471450	127471778	Chr10.114887	<i>Stac3(-30103),R3hdm2(+90952)</i>	N/A
Chr10	127489549	127489682	Chr10.114931	<i>Stac3(-12101),R3hdm2(+108954)</i>	N/A
Chr10	127490124	127490283	Chr10.114932	<i>Stac3(-11513),R3hdm2(+109542)</i>	N/A
Chr10	127490332	127490537	Chr10.114933	<i>Stac3(-11282),R3hdm2(+109773)</i>	N/A
Chr10	127501614	127501831	Chr10.114968	<i>Stac3(-6)</i>	N/A
Chr10	127502059	127502160	Chr10.114971	<i>Stac3(-383)</i>	N/A
Chr10	127509418	127509604	Chr10.115004	<i>Ndufa4l2(-5428),Stac3(+7794)</i>	N/A
Chr10	127509652	127509813	Chr10.115010	<i>Ndufa4l2(-5206),Stac3(+8016)</i>	N/A
Chr10	127510198	127510462	Chr10.115012	<i>Ndufa4l2(-4609)</i>	N/A
Chr10	127513830	127513937	Chr10.115026	<i>Ndufa4l2(-1055)</i>	N/A
Chr10	127517111	127517220	Chr10.115038	<i>Ndufa4l2(-2227),Shmt2(-5278)</i>	N/A
Chr10	127531673	127531775	Chr10.115141	<i>Shmt2(-9280),Nuph4(+2835)</i>	N/A
Chr10	127531905	127532082	Chr10.115143	<i>Shmt2(-9550),Nuph4(+2565)</i>	N/A
Chr10	127582638	127582784	Chr10.115557	<i>Nuph4(-48152),Lrp1(-38437)</i>	N/A
Chr10	127591108	127591257	Chr10.115599	<i>Nuph4(-56624),Lrp1(+29965)</i>	N/A
Chr10	127591599	127591789	Chr10.115602	<i>Nuph4(-57135),Lrp1(+29454)</i>	N/A
Chr10	127597364	127597509	Chr10.115642	<i>Nuph4(-62878),Lrp1(+23711)</i>	N/A
Chr10	127597696	127597886	Chr10.115645	<i>Nuph4(-63232),Lrp1(+23357)</i>	N/A
Chr10	127600234	127600409	Chr10.115647	<i>Nuph4(-65763),Lrp1(+20826)</i>	N/A
Chr10	127603548	127603692	Chr10.115655	<i>Nuph4(-69061),Lrp1(+17528)</i>	N/A
Chr10	127603766	127603935	Chr10.115657	<i>Nuph4(-69292),Lrp1(+17297)</i>	N/A
Chr10	127608896	127609156	Chr10.115680	<i>Nuph4(-74467),Lrp1(+12122)</i>	N/A
Chr10	127612187	127612326	Chr10.115693	<i>Nuph4(-77698),Lrp1(+8891)</i>	N/A

Chr10	127614357	127614479	Chr10.115704	<i>Nxph4(-79859),Lrp1(+6730)</i>	N/A
Chr10	127614798	127614901	Chr10.115705	<i>Nxph4(-80291),Lrp1(+6298)</i>	N/A
Chr10	127615080	127615203	Chr10.115707	<i>Nxph4(-80583),Lrp1(+6009)</i>	N/A
Chr10	127615793	127615929	Chr10.115711	<i>Nxph4(-81302),Lrp1(+5287)</i>	N/A
Chr10	127616294	127616515	Chr10.115715	<i>Nxph4(-81846),Lrp1(+4743)</i>	N/A
Chr10	127619842	127620148	Chr10.115727	<i>Nxph4(-85436),Lrp1(+1153)</i>	N/A
Chr10	127620275	127620770	Chr10.115734	<i>Lrp1(+625)</i>	N/A
Chr10	127620815	127620999	Chr10.115740	<i>Lrp1(+241)</i>	N/A
Chr10	127642601	127643036	Chr10.115760	<i>Stat6(-17)</i>	N/A
Chr10	127643154	127643257	Chr10.115761	<i>Stat6(+220)</i>	N/A
Chr10	127660911	127661060	Chr10.115847	<i>Nab2(+5724),Stat6(+18000)</i>	N/A
Chr10	127661120	127661239	Chr10.115849	<i>Nab2(+5530),Stat6(+18194)</i>	N/A
Chr10	127661428	127661637	Chr10.115854	<i>Nab2(+5177),Stat6(+18547)</i>	N/A
Chr10	127662177	127662387	Chr10.115859	<i>Nab2(+4428),Stat6(+19296)</i>	N/A
Chr10	127666735	127666845	Chr10.115881	<i>Nab2(+220)</i>	N/A
Chr10	127666889	127667036	Chr10.115885	<i>Nab2(-253)</i>	N/A
Chr10	127668811	127668958	Chr10.115889	<i>Nab2(-2175)</i>	N/A
Chr10	127676821	127676937	Chr10.115892	<i>Nemp1(-187)</i>	N/A
Chr10	127677002	127677123	Chr10.115896	<i>Nemp1(-3)</i>	N/A
Chr10	127721832	127721940	Chr10.116069	<i>Tac2(-2592)</i>	N/A
Chr10	127730841	127731020	Chr10.116106	<i>Zbtb39(-8607),Tac2(+6453)</i>	N/A
Chr10	127745785	127745887	Chr10.116174	<i>Gpr182(+5896),Zbtb39(+6298)</i>	N/A
Chr10	16954420	16954681	Chr10.11650	<i>Cited2(-768677)</i>	N/A
Chr10	128035602	128035724	Chr10.116700	<i>Naca(+317)</i>	N/A
Chr10	128036911	128037015	Chr10.116706	<i>Ptges3(-21991),Naca(+1617)</i>	N/A
Chr10	128058874	128059012	Chr10.116739	<i>Ptges3(-11)</i>	N/A
Chr10	128090829	128090970	Chr10.116815	<i>Baz2a(-1883)</i>	N/A
Chr10	128091017	128091174	Chr10.116818	<i>Baz2a(-1687)</i>	N/A
Chr10	128091547	128091782	Chr10.116828	<i>Baz2a(-1118)</i>	N/A
Chr10	128092110	128092212	Chr10.116833	<i>Baz2a(-622)</i>	N/A
Chr10	128094104	128094234	Chr10.116836	<i>Baz2a(+1371),Rbms2(+82414)</i>	N/A
Chr10	128094281	128094414	Chr10.116839	<i>Baz2a(+1585),Rbms2(+82220)</i>	N/A
Chr10	128094686	128094825	Chr10.116843	<i>Baz2a(+1973),Rbms2(+81812)</i>	N/A
Chr10	128097813	128097970	Chr10.116858	<i>Baz2a(+5109),Rbms2(+78676)</i>	N/A
Chr10	128110253	128110380	Chr10.116870	<i>Baz2a(+17534),Rbms2(+66251)</i>	N/A
Chr10	16993980	16994148	Chr10.11694	<i>Cited2(-72324)</i>	N/A
Chr10	128127108	128127282	Chr10.116995	<i>Baz2a(-3412),Rbms2(+49373)</i>	N/A
Chr10	128127541	128127696	Chr10.117000	<i>Baz2a(+3436),Rbms2(+48949)</i>	N/A
Chr10	128127850	128127988	Chr10.117004	<i>Baz2a(+35136),Rbms2(+48649)</i>	N/A
Chr10	128128083	128128344	Chr10.117006	<i>Baz2a(+35431),Rbms2(+48354)</i>	N/A
Chr10	16994565	16994798	Chr10.11703	<i>Cited2(-728546)</i>	N/A
Chr10	128143635	128149786	Chr10.117059	<i>Rbms2(+26857),Baz2a(+56928)</i>	N/A
Chr10	16995069	16995249	Chr10.11706	<i>Cited2(-738069)</i>	N/A
Chr10	128180178	128180378	Chr10.117082	<i>Rbms2(-3710)</i>	N/A
Chr10	128195097	128195237	Chr10.117093	<i>Gls2(+710)</i>	N/A
Chr10	128201874	128202091	Chr10.117111	<i>Gls2(+7526),Spry4(+9811)</i>	N/A
Chr10	128225206	128225415	Chr10.117156	<i>Mmp(-527)</i>	N/A
Chr10	128231101	128231201	Chr10.117187	<i>Timeless(-814)</i>	N/A
Chr10	128298023	128298313	Chr10.117420	<i>I23a(-94)</i>	N/A
Chr10	128298923	128299136	Chr10.117425	<i>Pan2(-4305),I23a(-946)</i>	N/A
Chr10	128303342	128303524	Chr10.117438	<i>Pan2(+98)</i>	N/A
Chr10	128303553	128303727	Chr10.117439	<i>Pan2(+305)</i>	N/A
Chr10	128322408	128322533	Chr10.117501	<i>Cnp2(+12)</i>	N/A
Chr10	128337526	128337672	Chr10.117520	<i>Cs(-133)</i>	N/A
Chr10	128362370	128362501	Chr10.117569	<i>Csq10a(+7596),Cs(+24604)</i>	N/A
Chr10	128373356	128373545	Chr10.117593	<i>Ankrd52(-3668),Csq10a(-3419)</i>	N/A
Chr10	128378541	128378721	Chr10.117605	<i>Ankrd52(+1512),Slc39a5(+21835)</i>	N/A
Chr10	128390883	128391035	Chr10.117662	<i>Slc39a5(+9507),Ankrd52(+13840)</i>	N/A
Chr10	128391088	128391501	Chr10.117664	<i>Slc39a5(+9171),Ankrd52(+14176)</i>	N/A
Chr10	128391916	128392288	Chr10.117670	<i>Slc39a5(+8584),Ankrd52(+14983)</i>	N/A
Chr10	128392544	128392648	Chr10.117677	<i>Slc39a5(+7870),Ankrd52(+15477)</i>	N/A
Chr10	128392696	128392851	Chr10.117678	<i>Slc39a5(+7692),Ankrd52(+15655)</i>	N/A
Chr10	128393372	128394963	Chr10.117688	<i>Slc39a5(+6298),Ankrd52(+17049)</i>	N/A
Chr10	128395860	128395996	Chr10.117707	<i>Slc39a5(+4538),Ankrd52(+18809)</i>	N/A
Chr10	128400505	128400718	Chr10.117743	<i>Slc39a5(-148)</i>	N/A
Chr10	128401165	128401309	Chr10.117748	<i>Slc39a5(-771)</i>	N/A
Chr10	128415062	128415307	Chr10.117786	<i>Smarcc2(-44051),Rnf41(+3569)</i>	N/A
Chr10	128415559	12841814	Chr10.117883	<i>Myf6(+12188),Smarcc2(+22451)</i>	N/A
Chr10	128484644	1284848584	Chr10.117926	<i>Myf6(+5351),Smarcc2(+29288)</i>	N/A
Chr10	128485935	128486969	Chr10.117936	<i>Myf6(+4262),Smarcc2(+30377)</i>	N/A
Chr10	128491151	128491404	Chr10.117946	<i>Myf6(+2597),Smarcc2(+32042)</i>	N/A
Chr10	128491531	128491664	Chr10.117951	<i>Myf6(+2277),Smarcc2(+32362)</i>	N/A
Chr10	128491697	128491816	Chr10.117952	<i>Myf6(+2118),Smarcc2(+32521)</i>	N/A
Chr10	128493803	128493931	Chr10.117965	<i>Myf6(+8)</i>	N/A
Chr10	128496099	128496979	Chr10.117980	<i>Myf6(-2664)</i>	N/A
Chr10	128498618	128498733	Chr10.117990	<i>Myf6(-4801),Myf6b(+9)</i>	N/A
Chr10	128510387	128510505	Chr10.117998	<i>Myf6b(-11761),Eya1(+15413)</i>	N/A
Chr10	128543242	128543396	Chr10.118080	<i>Eya1(-17460),Zc3h10(+4455)</i>	N/A
Chr10	128543522	128543736	Chr10.118082	<i>Eya1(-17770),Zc3h10(+4145)</i>	N/A
Chr10	128543816	128543934	Chr10.118085	<i>Eya1(-18016),Zc3h10(+3899)</i>	N/A
Chr10	128546281	128546409	Chr10.118101	<i>Eya1(-20488),Zc3h10(+1429)</i>	N/A
Chr10	128547628	128547894	Chr10.118108	<i>Zc3h10(+13)</i>	N/A
Chr10	128549092	128549201	Chr10.118123	<i>Zc3h10(-1373),Rpl41(+158)</i>	N/A
Chr10	128564111	128564215	Chr10.118155	<i>Rpl41(-14858),Pa2g4(+1771)</i>	N/A
Chr10	128565923	128566025	Chr10.118163	<i>Pa2g4(-40)</i>	N/A
Chr10	128566063	128566221	Chr10.118166	<i>Pa2g4(-208)</i>	N/A
Chr10	17074859	17075281	Chr10.11827	<i>Cited2(-648158)</i>	N/A
Chr10	128586534	128586844	Chr10.118281	<i>Pa2g4(-20755),Erb3(+2963)</i>	N/A
Chr10	128587504	128587668	Chr10.118287	<i>Pa2g4(-21652),Erb3(+2066)</i>	N/A
Chr10	128588098	128588209	Chr10.118293	<i>Pa2g4(-22220),Erb3(+1498)</i>	N/A
Chr10	128588344	128588472	Chr10.118296	<i>Pa2g4(-22474),Erb3(+1244)</i>	N/A
Chr10	128590111	128590394	Chr10.118306	<i>Erb3(-601)</i>	N/A
Chr10	128613675	128613964	Chr10.118328	<i>Rps26(-6314),Ikzf4(+14171)</i>	N/A
Chr10	128632215	128632346	Chr10.118337	<i>Rps26(-5775),Ikzf4(+13710)</i>	N/A
Chr10	128637156	128637329	Chr10.118374	<i>Rps26(-10737),Ikzf4(+8748)</i>	N/A
Chr10	128644826	128644989	Chr10.118403	<i>Rps26(-18402),Ikzf4(+1083)</i>	N/A
Chr10	128645184	128645388	Chr10.118404	<i>Ikzf4(+705)</i>	N/A
Chr10	128645418	128645588	Chr10.118407	<i>Ikzf4(+489)</i>	N/A
Chr10	128646523	128646654	Chr10.118412	<i>Ikzf4(-598)</i>	N/A
Chr10	128646831	128647005	Chr10.118416	<i>Ikzf4(-927)</i>	N/A
Chr10	128669255	128669419	Chr10.118438	<i>Ikzf4(-23346),Suox(+4581)</i>	N/A
Chr10	17101333	17101564	Chr10.11853	<i>Cited2(-621779)</i>	N/A
Chr10	128695992	128696184	Chr10.118533	<i>Rab5b(+180)</i>	N/A
Chr10	128695961	128696682	Chr10.118542	<i>Rab5b(-354)</i>	N/A
Chr10	128704972	128705096	Chr10.118574	<i>Pmel(-1224),Cdk2(+17)</i>	N/A
Chr10	128742766	128742925	Chr10.118697	<i>Dgk1(+1210),Pmel(+36588)</i>	N/A
Chr10	128746345	128746510	Chr10.118711	<i>Dgk1(-2372),Pym1(-1451)</i>	N/A
Chr10	128748411	128748812	Chr10.118712	<i>Dgk1(-4558),Pym1(+733)</i>	N/A
Chr10	128790835	128790967	Chr10.118742	<i>Mmp19(-52)</i>	N/A
Chr10	128804179	128804312	Chr10.118841	<i>Dnajc14(-1430),Tmem198b(+124)</i>	N/A
Chr10	128804686	128804787	Chr10.118846	<i>Dnajc14(-939),Tmem198b(-387)</i>	N/A
Chr10	128805474	128805624	Chr10.118850	<i>Tmem198b(-1179),Dnajc14(-127)</i>	N/A
Chr10	128821818	128821975	Chr10.118909	<i>Orrdl2(-266),Samp(+126)</i>	N/A
Chr10	17175036	17175147	Chr10.118995	<i>Cited2(-548138)</i>	N/A
Chr10	128883773	128883983	Chr10.118990	<i>Gdf11(+7840),Samp(+62107)</i>	N/A
Chr10	128888825	128888971	Chr10.119001	<i>Gdf11(+7820),Samp(+67127)</i>	N/A
Chr10	128889037	128889221	Chr10.119003	<i>Gdf11(+2589),Samp(+67358)</i>	N/A
Chr10	128921534	128921783	Chr10.119107	<i>Rdh5(-2362)</i>	N/A
Chr10	128922369	128922478	Chr10.119114	<i>Rdh5(-3127)</i>	N/A
Chr10	128923963	128924137	Chr10.119122	<i>Rdh5(-4768),Bboc1f(-541)</i>	N/A
Chr10	17196222	17196463	Chr10.11924	<i>Cited2(-526889)</i>	N/A
Chr10	17196496	17196733	Chr10.11928	<i>Cited2(-526613)</i>	N/A
Chr10	17202579	17202708	Chr10.11944	<i>Cited2(-520584)</i>	N/A
Chr10	17202824	17203303	Chr10.11947	<i>Cited2(-520164)</i>	N/A
Chr10	17212806	17213316	Chr10.11959	<i>Cited2(-510167)</i>	N/A
Chr10	17236342	17236636	Chr10.11987	<i>Cited2(-486738)</i>	N/A
Chr10	17237531	17237713	Chr10.11991	<i>Cited2(-485606)</i>	N/A
Chr10	17248677	17249014	Chr10.12014	<i>Cited2(-474382)</i>	N/A
Chr10	17253632	17256552	Chr10.12034	<i>Cited2(-466771)</i>	N/A
Chr10	130280148	130280258	Chr10.120497	<i>Neurod4(+37)</i>	N/A
Chr10	17261702	17261973	Chr10.12051	<i>Cited2(-461390)</i>	N/A
Chr10	17230748	17231180	Chr10.12138	<i>Cited2(-392264)</i>	N/A
Chr10	17231305	17231508	Chr10.12141	<i>Cited2(-391821)</i>	N/A
Chr10	17232386	17232675	Chr10.12155	<i>Cited2(-390697)</i>	N/A
Chr10	17233604	17233911	Chr10.12164	<i>Cited2(-389470)</i>	N/A
Chr10	17252398	17252601	Chr10.12189	<i>Cited2(-370728)</i>	N/A
Chr10	17255826	17255769	Chr10.12196	<i>Cited2(-367530)</i>	N/A
Chr10	17256130	17256451	Chr10.12199	<i>Cited2(-366937)</i>	N/A

Chr10	17365498	17365672	Chr10.12220	Cited2(-357643)	N/A
Chr10	17366344	17366507	Chr10.12222	Cited2(-356802)	N/A
Chr10	17366953	17367310	Chr10.12225	Cited2(-356096)	N/A
Chr10	17484992	17485097	Chr10.12362	Cited2(-236183)	N/A
Chr10	17511899	17512290	Chr10.12404	Cited2(-211133)	N/A
Chr10	17521840	17522308	Chr10.12424	Cited2(-201154)	N/A
Chr10	17540601	17540732	Chr10.12471	Cited2(-182561)	N/A
Chr10	17561682	17561789	Chr10.12499	Cited2(-161492)	N/A
Chr10	17562727	17562946	Chr10.12506	Cited2(-160331)	N/A
Chr10	17631590	17632227	Chr10.12598	Cited2(-91319)	N/A
Chr10	17632505	17632632	Chr10.12606	Cited2(-90659)	N/A
Chr10	17632766	17632935	Chr10.12610	Cited2(-90377)	N/A
Chr10	17633046	17633260	Chr10.12611	Cited2(-90075)	N/A
Chr10	17633907	17633749	Chr10.12614	Cited2(-89550)	N/A
Chr10	17655790	17655947	Chr10.12655	Cited2(-67359)	N/A
Chr10	17705557	17705688	Chr10.12744	Cited2(-17605)	N/A
Chr10	17721885	17722007	Chr10.12761	Cited2(-1282)	N/A
Chr10	17722308	17722447	Chr10.12764	Cited2(-850)	N/A
Chr10	17723161	17723283	Chr10.12767	Cited2(-6)	N/A
Chr10	17723523	17723674	Chr10.12769	Cited2(-371)	N/A
Chr10	17725018	17725653	Chr10.12779	Txlnb(-70920),Cited2(+2108)	N/A
Chr10	17725745	17725948	Chr10.12783	Txlnb(-70409),Cited2(+2619)	N/A
Chr10	17726040	17726157	Chr10.12786	Txlnb(-70157),Cited2(+2871)	N/A
Chr10	17727196	17727384	Chr10.12793	Txlnb(-68966),Cited2(+4062)	N/A
Chr10	17727435	17727746	Chr10.12794	Txlnb(-68665),Cited2(+4363)	N/A
Chr10	17727837	17728105	Chr10.12796	Txlnb(-68285),Cited2(+4743)	N/A
Chr10	17753081	17753184	Chr10.12817	Txlnb(-43123),Cited2(-29905)	N/A
Chr10	17753231	17753464	Chr10.12818	Txlnb(-42908),Cited2(+30120)	N/A
Chr10	17753544	17753680	Chr10.12825	Txlnb(-42644),Cited2(+30384)	N/A
Chr10	17753713	17753813	Chr10.12829	Txlnb(-42493),Cited2(+30535)	N/A
Chr10	17929928	17930044	Chr10.13002	Heca(+18081),Txlnb(+133730)	N/A
Chr10	18317779	18317785	Chr10.13267	Nhs1(-69838),Cdc28a(-62841)	N/A
Chr10	18341640	18341905	Chr10.13283	Ccdc28a(-106777),Nhs1(-65902)	N/A
Chr10	18342111	18342218	Chr10.13286	Ccdc28a(-107169),Nhs1(-65510)	N/A
Chr10	18360071	18360332	Chr10.13298	Ccdc28a(-125206),Nhs1(-47473)	N/A
Chr10	18366673	18367028	Chr10.13302	Ccdc28a(-131855),Nhs1(-40824)	N/A
Chr10	18398963	18399086	Chr10.13331	Ccdc28a(-154949),Nhs1(-17730)	N/A
Chr10	18407521	18407632	Chr10.13344	Nhs1(-98)	N/A
Chr10	18408278	18408520	Chr10.13354	Nhs1(+724)	N/A
Chr10	18409696	18409851	Chr10.13365	Nhs1(+2099),Hebp2(+136302)	N/A
Chr10	18410022	18410128	Chr10.13368	Nhs1(+2400),Hebp2(+136001)	N/A
Chr10	18418484	18418584	Chr10.13380	Nhs1(+10859),Hebp2(+127542)	N/A
Chr10	18423526	18423663	Chr10.13386	Nhs1(+15920),Hebp2(+122481)	N/A
Chr10	18430295	18430406	Chr10.13400	Nhs1(+22676),Hebp2(+115725)	N/A
Chr10	18432866	18433000	Chr10.13412	Nhs1(+25258),Hebp2(+113143)	N/A
Chr10	18436052	18436176	Chr10.13418	Nhs1(+28439),Hebp2(+109962)	N/A
Chr10	18436241	18436377	Chr10.13421	Nhs1(+28634),Hebp2(+109767)	N/A
Chr10	18437863	18437767	Chr10.13424	Nhs1(+30040),Hebp2(+108381)	N/A
Chr10	18463538	18463689	Chr10.13458	Nhs1(+55939),Hebp2(+82462)	N/A
Chr10	18469775	18469928	Chr10.13467	Nhs1(+62177),Hebp2(+76224)	N/A
Chr10	18494611	18494735	Chr10.13497	Hebp2(+51403),Nhs1(+86998)	N/A
Chr10	18861542	18861652	Chr10.14036	Perp(+16526),Trfap3(+153813)	N/A
Chr10	18974261	18974393	Chr10.14080	Trfap3(+40863),Perp(+129358)	N/A
Chr10	19014336	19014478	Chr10.14202	Trfap3(-1003),Perp(+169336)	N/A
Chr10	19015515	19015619	Chr10.14208	Trfap3(-157)	N/A
Chr10	19117143	19117272	Chr10.14271	Olig3(-239352),Trfap3(-101798)	N/A
Chr10	4710038	4710168	Chr10.1428	Esr1(+98114),Syne1(+358960)	N/A
Chr10	4710239	4710412	Chr10.1429	Esr1(+98337),Syne1(+358737)	N/A
Chr10	19186418	19186518	Chr10.14313	Trfap3(-171058),Olig3(-170052)	N/A
Chr10	19244555	19244734	Chr10.14348	Trfap3(-229235),Olig3(-111915)	N/A
Chr10	19441771	19442150	Chr10.14587	Ingrr1(-149988),Olig3(-85401)	N/A
Chr10	19464731	19464987	Chr10.14639	Ingrr1(-127090),Olig3(+108299)	N/A
Chr10	19853237	19853405	Chr10.14905	Slc35d3(-1862)	N/A
Chr10	19936151	19936283	Chr10.15010	Map7(-212703),Map3k5(+1745)	N/A
Chr10	19962839	19963000	Chr10.15031	Map7(-186000),Map3k5(+28448)	N/A
Chr10	3630875	3631048	Chr10.152	Plekhtg1(-109402),Jyd(+90722)	N/A
Chr10	20171032	20171327	Chr10.15229	Map7(+22260),4933406p04nk(+141114)	N/A
Chr10	20195036	20195189	Chr10.15245	Map7(+46193),4933406p04nk(+117181)	N/A
Chr10	20250606	20250757	Chr10.15302	4933406p04nk(+161612),Map7(+101762)	N/A
Chr10	20286585	20286712	Chr10.15396	4933406p04nk(+25643),Map7(+37729)	N/A
Chr10	20312418	20312612	Chr10.15401	4933406p04nk(-221),Scrl(+145)	N/A
Chr10	20379632	20379749	Chr10.15495	Mtf2(+31872),Pde7b(+345387)	N/A
Chr10	20398933	20399148	Chr10.15510	Mtf2(+51222),Pde7b(+326037)	N/A
Chr10	20399257	20399410	Chr10.15515	Mtf2(+51515),Pde7b(+325744)	N/A
Chr10	20431423	20431552	Chr10.15582	Mtf2(+43669),Pde7b(+293590)	N/A
Chr10	20454514	20454671	Chr10.15616	Mtf2(+106774),Pde7b(+270485)	N/A
Chr10	20455302	20455439	Chr10.15623	Mtf2(+107552),Pde7b(+269707)	N/A
Chr10	20458181	20458311	Chr10.15625	Mtf2(+110427),Pde7b(+266832)	N/A
Chr10	20475010	20475141	Chr10.15654	Mtf2(+127257),Pde7b(+250002)	N/A
Chr10	20486935	20486935	Chr10.15668	Mtf2(+138964),Pde7b(+238295)	N/A
Chr10	20487072	20487238	Chr10.15672	Mtf2(+139306),Pde7b(+237953)	N/A
Chr10	20505488	20505783	Chr10.15701	Mtf2(+157817),Pde7b(+219442)	N/A
Chr10	20507845	20507956	Chr10.15708	Mtf2(+160082),Pde7b(+217177)	N/A
Chr10	20508211	20508326	Chr10.15713	Mtf2(+160451),Pde7b(+216808)	N/A
Chr10	20515257	20515424	Chr10.15726	Mtf2(+167522),Pde7b(+209737)	N/A
Chr10	20528962	20529119	Chr10.15749	Mtf2(+181222),Pde7b(+196037)	N/A
Chr10	20529193	20529289	Chr10.15752	Mtf2(+181427),Pde7b(+195832)	N/A
Chr10	20548399	20548520	Chr10.15799	Pde7b(+176618),Mtf2(+200641)	N/A
Chr10	20549019	20549150	Chr10.15801	Pde7b(+175993),Mtf2(+201266)	N/A
Chr10	20549657	20549791	Chr10.15806	Pde7b(+175354),Mtf2(+201905)	N/A
Chr10	20550328	20550585	Chr10.15811	Pde7b(+174621),Mtf2(+202638)	N/A
Chr10	20556292	20556493	Chr10.15820	Pde7b(+168688),Mtf2(+208574)	N/A
Chr10	20556645	20556802	Chr10.15824	Pde7b(+168354),Mtf2(+208905)	N/A
Chr10	20561147	20561373	Chr10.15835	Pde7b(+163818),Mtf2(+213441)	N/A
Chr10	20570531	20570734	Chr10.15843	Pde7b(+154445),Mtf2(+222814)	N/A
Chr10	20590011	20590197	Chr10.15871	Pde7b(+134974),Mtf2(+242285)	N/A
Chr10	20632336	20632574	Chr10.15904	Pde7b(+92623),Mtf2(+284636)	N/A
Chr10	20632804	20633034	Chr10.15906	Pde7b(+92259),Mtf2(+285009)	N/A
Chr10	20636486	20636853	Chr10.15916	Pde7b(+89408),Mtf2(+238851)	N/A
Chr10	20642568	20642812	Chr10.15920	Pde7b(+82388),Mtf2(+294871)	N/A
Chr10	20657392	20657540	Chr10.15925	Pde7b(+67612),Mtf2(+309647)	N/A
Chr10	20657890	20658038	Chr10.15929	Pde7b(+67114),Mtf2(+310145)	N/A
Chr10	20659404	20659654	Chr10.15933	Pde7b(+65549),Mtf2(+311710)	N/A
Chr10	20661660	20661781	Chr10.15939	Pde7b(+63357),Mtf2(+313902)	N/A
Chr10	20669555	20669753	Chr10.15950	Pde7b(+55424),Mtf2(+321835)	N/A
Chr10	20673781	20674121	Chr10.15957	Pde7b(+51127),Mtf2(+326132)	N/A
Chr10	20700678	20700802	Chr10.15977	Pde7b(+24338),Mtf2(+352921)	N/A
Chr10	20723130	20723426	Chr10.15995	Pde7b(+1800),Mtf2(+375459)	N/A
Chr10	20723632	20723963	Chr10.16000	Pde7b(+1180),Mtf2(+376079)	N/A
Chr10	20724449	20724616	Chr10.16008	Pde7b(+345)	N/A
Chr10	20725088	20725279	Chr10.16009	Pde7b(-106)	N/A
Chr10	20737155	20737263	Chr10.16023	Ahl1(-215338),Pde7b(-12131)	N/A
Chr10	20838972	20839486	Chr10.16096	Pde7b(-114151),Ahl1(-113318)	N/A
Chr10	20907109	20907346	Chr10.16155	Pde7b(-182151),Ahl1(-45318)	N/A
Chr10	21048898	21049081	Chr10.16294	Ahl1(+96438),Myb(+111999)	N/A
Chr10	21131051	21131316	Chr10.16404	Myb(+29800),Ahl1(+178637)	N/A
Chr10	21158598	21159123	Chr10.16475	Myb(+2123),Ahl1(+206314)	N/A
Chr10	21160155	21160306	Chr10.16486	Myb(+753)	N/A
Chr10	21400481	21400611	Chr10.16797	1700021a07nk(-24796),Alkh8a1(+23255)	N/A
Chr10	21529545	21529655	Chr10.16807	1700020n1rk(-63558),1700021a07nk(-104258)	N/A
Chr10	21545473	21545617	Chr10.16936	1700020n1rk(-47513),1700021a07nk(-120303)	N/A
Chr10	21636816	21637211	Chr10.17021	Gm5420(-53831),1700020n1rk(+43856)	N/A
Chr10	21669852	21669972	Chr10.17053	Gm5420(-20933),1700020n1rk(+76754)	N/A
Chr10	21679038	21679521	Chr10.17069	Gm5420(-11565),1700020n1rk(+86122)	N/A
Chr10	21695392	21695575	Chr10.17093	Sgk1(-186700),Gm5420(+4639)	N/A
Chr10	21740459	21740597	Chr10.17121	Sgk1(-141556),Gm5420(+4963)	N/A
Chr10	21824640	21824853	Chr10.17162	Sgk1(-57473),Gm5420(+133902)	N/A
Chr10	21853388	21853488	Chr10.17211	Sgk1(-28746),Gm5420(+162593)	N/A
Chr10	21853726	21853892	Chr10.17215	Sgk1(-28375),Gm5420(+162964)	N/A
Chr10	21891883	21891982	Chr10.17243	Sgk1(+9749),4930444g20nk(+176146)	N/A
Chr10	21907047	21907208	Chr10.17250	Sgk1(+24944),4930444g20nk(+160951)	N/A
Chr10	21916763	21916878	Chr10.17255	Sgk1(+34637),4930444g20nk(+151259)	N/A
Chr10	21923142	21923283	Chr10.17261	Sgk1(+40129),4930444g20nk(+144866)	N/A
Chr10	21937380	21937500	Chr10.17279	Sgk1(+55256),4930444g20nk(+130639)	N/A
Chr10	21952678	21952783	Chr10.17301	Sgk1(+70547),4930444g20nk(+115348)	N/A
Chr10	21991857	21991816	Chr10.17335	4930444g20nk(+76342),Sgk1(+109553)	N/A
Chr10	21991897	21992219	Chr10.17337	4930444g20nk(+75971),Sgk1(+109924)	N/A
Chr10	21993849	21994023	Chr10.17344	4930444g20nk(+74143),Sgk1(+111732)	N/A

Chr10	22644923	22645062	Chr10.17425	Slc2a12(-18)	N/A
Chr10	22726319	22726542	Chr10.17520	Tbp1(+5016), Slc2a12(+81420)	N/A
Chr10	22731148	22731454	Chr10.17529	Tbp1(+146)	N/A
Chr10	22926135	22926518	Chr10.17703	Tcf21(-106199), Eya4(+423568)	N/A
Chr10	22981920	22982242	Chr10.17734	Tcf21(-161963), Eya4(+367814)	N/A
Chr10	23089336	23089531	Chr10.17818	Tcf21(-269306), Eya4(+260461)	N/A
Chr10	23091690	23091794	Chr10.17824	Tcf21(-271614), Eya4(+258153)	N/A
Chr10	23092561	23092867	Chr10.17826	Tcf21(-272586), Eya4(+257181)	N/A
Chr10	23127344	23127476	Chr10.17914	Tcf21(-307282), Eya4(+222489)	N/A
Chr10	23129434	23129668	Chr10.17928	Tcf21(-309423), Eya4(+221344)	N/A
Chr10	23162779	23163090	Chr10.17977	Tcf21(-342807), Eya4(+186960)	N/A
Chr10	23191478	23191632	Chr10.18019	Tcf21(-371427), Eya4(+158340)	N/A
Chr10	23209453	23209622	Chr10.18038	Tcf21(-389410), Eya4(+140357)	N/A
Chr10	23226996	23227235	Chr10.18058	Tcf21(-406988), Eya4(+122779)	N/A
Chr10	23262028	23262419	Chr10.18092	Tcf21(-442236), Eya4(+87531)	N/A
Chr10	23332881	23333290	Chr10.18157	Tcf21(-512958), Eya4(+16809)	N/A
Chr10	23346083	23346211	Chr10.18182	Tcf21(-526019), Eya4(+3748)	N/A
Chr10	23346361	23346503	Chr10.18186	Tcf21(-526304), Eya4(+3463)	N/A
Chr10	23346850	23347005	Chr10.18188	Tcf21(-526800), Eya4(+2967)	N/A
Chr10	23347589	23347692	Chr10.18190	Tcf21(-527513), Eya4(+2254)	N/A
Chr10	23348194	23348511	Chr10.18195	Tcf21(-528229), Eya4(+1542)	N/A
Chr10	3696651	3696810	Chr10.182	Plekhtg1(-43633), Iyd(+156491)	N/A
Chr10	23350806	23350946	Chr10.18206	Eya4(-981)	N/A
Chr10	23354581	23354759	Chr10.18210	Eya4(-4775)	N/A
Chr10	23372341	23372663	Chr10.18230	Eya4(-22607), Rps12(+414693)	N/A
Chr10	23394202	23394501	Chr10.18267	Eya4(-44457), Rps12(+392843)	N/A
Chr10	23401926	23402347	Chr10.18275	Eya4(-52242), Rps12(+385058)	N/A
Chr10	23422705	23422847	Chr10.18311	Eya4(-72881), Rps12(+364419)	N/A
Chr10	23449226	23449806	Chr10.18343	Eya4(-99621), Rps12(+337679)	N/A
Chr10	23450124	23450413	Chr10.18348	Eya4(-100374), Rps12(+336926)	N/A
Chr10	23450864	23450980	Chr10.18350	Eya4(-101027), Rps12(+336273)	N/A
Chr10	23489105	23489383	Chr10.18357	Eya4(-139349), Rps12(+297951)	N/A
Chr10	23532226	23532230	Chr10.18405	Eya4(-182383), Rps12(+254917)	N/A
Chr10	23547858	23548041	Chr10.18424	Eya4(-198055), Rps12(+239245)	N/A
Chr10	23548263	23548590	Chr10.18426	Eya4(-198532), Rps12(+238768)	N/A
Chr10	23549099	23549421	Chr10.18434	Eya4(-199365), Rps12(+237935)	N/A
Chr10	23564819	23564819	Chr10.18470	Eya4(-214827), Rps12(+222473)	N/A
Chr10	23600582	23600897	Chr10.18485	Eya4(-250845), Rps12(+186455)	N/A
Chr10	23601061	23601470	Chr10.18488	Eya4(-251371), Rps12(+185929)	N/A
Chr10	23602773	23602912	Chr10.18496	Eya4(-252948), Rps12(+184352)	N/A
Chr10	23603743	23604219	Chr10.18497	Eya4(-254086), Rps12(+183214)	N/A
Chr10	23603554	23603654	Chr10.18508	Eya4(-259559), Rps12(+177741)	N/A
Chr10	23605984	23605940	Chr10.18511	Eya4(-259817), Rps12(+177483)	N/A
Chr10	23610083	23610313	Chr10.18514	Eya4(-260303), Rps12(+176997)	N/A
Chr10	23610534	23610739	Chr10.18520	Eya4(-260742), Rps12(+176558)	N/A
Chr10	23612786	23612979	Chr10.18527	Eya4(-262988), Rps12(+174312)	N/A
Chr10	23671404	23671524	Chr10.18567	Eya4(-321569), Rps12(+115731)	N/A
Chr10	23674619	23675059	Chr10.18577	Eya4(-324944), Rps12(+112356)	N/A
Chr10	23675288	23675388	Chr10.18583	Eya4(-325443), Rps12(+111857)	N/A
Chr10	23675423	23675565	Chr10.18586	Eya4(-325599), Rps12(+111701)	N/A
Chr10	23675946	23676164	Chr10.18588	Eya4(-326160), Rps12(+111140)	N/A
Chr10	23683307	23683512	Chr10.18599	Eya4(-333515), Rps12(+103785)	N/A
Chr10	2367037	23687377	Chr10.18606	Eya4(-337312), Rps12(+99988)	N/A
Chr10	23704161	23704282	Chr10.18621	Eya4(-354317), Rps12(+82983)	N/A
Chr10	23710992	23711423	Chr10.18636	Eya4(-361313), Rps12(+75987)	N/A
Chr10	23711522	23711675	Chr10.18639	Eya4(-361704), Rps12(+75596)	N/A
Chr10	23711862	23712312	Chr10.18643	Eya4(-362192), Rps12(+75108)	N/A
Chr10	23712423	23712790	Chr10.18647	Eya4(-362712), Rps12(+74588)	N/A
Chr10	23724900	23725126	Chr10.18653	Eya4(-375118), Rps12(+62162)	N/A
Chr10	23754314	23754863	Chr10.18677	Eya4(-404694), Rps12(+32606)	N/A
Chr10	23761815	23761942	Chr10.18701	Eya4(-411984), Rps12(+25316)	N/A
Chr10	23775217	23775397	Chr10.18723	Eya4(-425412), Rps12(+11888)	N/A
Chr10	23782303	23782458	Chr10.18734	Eya4(-432486), Rps12(+4814)	N/A
Chr10	23785349	23785475	Chr10.18742	Eya4(-435517), Rps12(+1783)	N/A
Chr10	23781149	23781787	Chr10.18759	Rps12(-28)	N/A
Chr10	3696965	3697273	Chr10.188	Plekhtg1(-43245), Iyd(+156879)	N/A
Chr10	24192719	24193064	Chr10.19614	Moxd1(-30625), Stx7(+43575)	N/A
Chr10	24199468	24199668	Chr10.19621	Moxd1(-23949), Stx7(+50251)	N/A
Chr10	24228376	24228596	Chr10.19658	Con2(-366956), Moxd1(+4969)	N/A
Chr10	24235224	24235771	Chr10.19676	Con2(-359744), Moxd1(+12181)	N/A
Chr10	24317459	24317621	Chr10.19770	Con2(-277923), Moxd1(+94023)	N/A
Chr10	24333469	24333643	Chr10.19787	Con2(-261886), Moxd1(+110039)	N/A
Chr10	24339673	24339956	Chr10.19794	Con2(-255627), Moxd1(+116298)	N/A
Chr10	24340780	24341321	Chr10.19809	Con2(-254391), Moxd1(+117534)	N/A
Chr10	24341350	24341460	Chr10.19816	Con2(-254037), Moxd1(+117888)	N/A
Chr10	24343499	24343778	Chr10.19824	Con2(-251803), Moxd1(+120122)	N/A
Chr10	24357905	24357870	Chr10.19831	Con2(-237754), Moxd1(+134171)	N/A
Chr10	24364852	24365353	Chr10.19842	Con2(-230339), Moxd1(+141586)	N/A
Chr10	24388262	24388449	Chr10.19863	Con2(-207086), Moxd1(+164839)	N/A
Chr10	24396479	24396626	Chr10.19873	Con2(-198889), Moxd1(+173036)	N/A
Chr10	24437194	24437429	Chr10.19919	Con2(-158130), Moxd1(+213795)	N/A
Chr10	24446217	24446420	Chr10.19941	Con2(-149123), Moxd1(+222826)	N/A
Chr10	24447211	24447467	Chr10.19946	Con2(-148103), Moxd1(+223822)	N/A
Chr10	24448103	24448544	Chr10.19958	Con2(-147118), Moxd1(+224807)	N/A
Chr10	24458767	24458946	Chr10.19958	Con2(-136585), Moxd1(+235340)	N/A
Chr10	24460705	24460303	Chr10.19974	Con2(-129253), Moxd1(+246272)	N/A
Chr10	24479057	24479150	Chr10.19982	Con2(-116348), Moxd1(+255577)	N/A
Chr10	24493519	24493677	Chr10.20005	Con2(-101844), Moxd1(+270081)	N/A
Chr10	24493875	24494190	Chr10.20008	Con2(-101409), Moxd1(+270516)	N/A
Chr10	24519132	24519275	Chr10.20031	Con2(-76238), Moxd1(+295687)	N/A
Chr10	24519762	24519976	Chr10.20037	Con2(-75573), Moxd1(+296352)	N/A
Chr10	24520130	24520432	Chr10.20041	Con2(-75161), Moxd1(+296784)	N/A
Chr10	24520489	24520789	Chr10.20045	Con2(-74803), Moxd1(+297122)	N/A
Chr10	24521206	24521353	Chr10.20057	Con2(-74162), Moxd1(+297763)	N/A
Chr10	24534742	24535170	Chr10.20078	Con2(-60486), Moxd1(+311439)	N/A
Chr10	24591563	24591708	Chr10.20132	Con2(-3806)	N/A
Chr10	24591879	24592387	Chr10.20137	Con2(-3304)	N/A
Chr10	24593452	24593701	Chr10.20147	Con2(-1875)	N/A
Chr10	24595312	24595515	Chr10.20154	Con2(-28)	N/A
Chr10	24598042	24598155	Chr10.20193	Con2(+2657), Enpp1(+114059)	N/A
Chr10	24598296	24598397	Chr10.20195	Con2(+2905), Enpp1(+113811)	N/A
Chr10	24598491	24598682	Chr10.20199	Con2(+3145), Enpp1(+113571)	N/A
Chr10	24715859	24715804	Chr10.20335	Enpp1(-46574), Enpp3(+77463)	N/A
Chr10	24767795	24768002	Chr10.20342	Enpp1(-55771), Enpp3(+86266)	N/A
Chr10	24770551	24770697	Chr10.20350	Enpp1(-58466), Enpp3(+65571)	N/A
Chr10	24778442	24779066	Chr10.20382	Enpp1(-66596), Enpp3(+57441)	N/A
Chr10	24782628	24783017	Chr10.20393	Enpp1(-70665), Enpp3(+53372)	N/A
Chr10	25140177	25140278	Chr10.20698	Arg(-212758), Akap7(+158936)	N/A
Chr10	25261426	25261585	Chr10.20740	Arg(-324038), Akap7(+37658)	N/A
Chr10	25335318	25335930	Chr10.20769	Akap7(-34590), Epb412(-26074)	N/A
Chr10	25361521	25361786	Chr10.20777	Epb412(+1856), Smrl1(+174618)	N/A
Chr10	25362211	25362505	Chr10.20781	Epb412(+2560), Smrl1(+173914)	N/A
Chr10	25372023	25372276	Chr10.20788	Epb412(+12352), Smrl1(+164122)	N/A
Chr10	25372570	25372674	Chr10.20794	Epb412(+12824), Smrl1(+163650)	N/A
Chr10	25384575	25384759	Chr10.20803	Epb412(+24869), Smrl1(+151605)	N/A
Chr10	25397943	25398045	Chr10.20816	Epb412(+38196), Smrl1(+138278)	N/A
Chr10	25411669	25411959	Chr10.20841	Epb412(+52016), Smrl1(+124458)	N/A
Chr10	25412072	25412383	Chr10.20845	Epb412(+52430), Smrl1(+124044)	N/A
Chr10	25426164	25426487	Chr10.20857	Epb412(+66518), Smrl1(+109958)	N/A
Chr10	25432630	25432656	Chr10.20859	Epb412(+72746), Smrl1(+103728)	N/A
Chr10	25433739	25433924	Chr10.20864	Epb412(+74034), Smrl1(+102440)	N/A
Chr10	25437180	25437320	Chr10.20868	Epb412(+77452), Smrl1(+99022)	N/A
Chr10	25449754	25449928	Chr10.20901	Smrl1(+86431), Epb412(+90043)	N/A
Chr10	25453377	25453815	Chr10.20904	Smrl1(+82776), Epb412(+93698)	N/A
Chr10	25481020	25481170	Chr10.20957	Smrl1(+45177), Epb412(+131297)	N/A
Chr10	25499667	25499983	Chr10.20992	Smrl1(+38647), Epb412(+140227)	N/A
Chr10	25526832	25527039	Chr10.21063	Smrl1(+9336), Epb412(+167138)	N/A
Chr10	25571494	25571621	Chr10.21093	Smrl1(-35286), Tmem200a(+507494)	N/A
Chr10	25742813	25742970	Chr10.21147	Smrl1(-206620), Tmem200a(+336160)	N/A
Chr10	3718546	3718646	Chr10.215	Plekhtg1(-21768), Iyd(+178356)	N/A
Chr10	26351225	26351335	Chr10.21510	L3mbd3(+22676), Samd3(+121573)	N/A
Chr10	26372870	26373163	Chr10.21530	L3mbd3(+889)	N/A
Chr10	26376980	26377207	Chr10.21539	L3mbd3(-3138)	N/A
Chr10	26564587	26564699	Chr10.21613	Athgap18(-207834), L3mbd3(-190687)	N/A
Chr10	26773292	26773398	Chr10.21684	Athgap18(+868)	N/A
Chr10	26773480	26773646	Chr10.21687	Athgap18(+1087), Lama2(+843378)	N/A
Chr10	26918227	26918440	Chr10.21679	Athgap18(+145857), Lama2(+698698)	N/A
Chr10	26983742	26983959	Chr10.21929	Athgap18(+211374), Lama2(+633091)	N/A

Chr10	3722648	3722831	Chr10.224	<i>Plekhtg1</i> (-17624), <i>lyd</i> (+182500)	N/A
Chr10	27322422	27322779	Chr10.22504	<i>Lama2</i> (+294341), <i>Arhgap18</i> (+550124)	N/A
Chr10	2738470	27384908	Chr10.22613	<i>Lama2</i> (+232103), <i>Arhgap18</i> (+612362)	N/A
Chr10	27413864	27414241	Chr10.22652	<i>Lama2</i> (+202839), <i>Arhgap18</i> (+541626)	N/A
Chr10	27475514	27475890	Chr10.22734	<i>Lama2</i> (+141240), <i>Arhgap18</i> (+703225)	N/A
Chr10	27479835	27480125	Chr10.22743	<i>Lama2</i> (+136962), <i>Arhgap18</i> (+707503)	N/A
Chr10	27990419	27990574	Chr10.23101	<i>Lama2</i> (-373555), <i>Ptpkr</i> (-84323)	N/A
Chr10	28075635	28075747	Chr10.23180	<i>Ptpkr</i> (+871)	N/A
Chr10	28076754	28076912	Chr10.23189	<i>Thomis</i> (-591527), <i>Ptpkr</i> (+2013)	N/A
Chr10	28114028	28114238	Chr10.23247	<i>Thomis</i> (-554228), <i>Ptpkr</i> (+39312)	N/A
Chr10	28155588	28155898	Chr10.23286	<i>Thomis</i> (-512617), <i>Ptpkr</i> (+80923)	N/A
Chr10	28164385	28164575	Chr10.23297	<i>Thomis</i> (-503880), <i>Ptpkr</i> (+89660)	N/A
Chr10	28249222	28249373	Chr10.23412	<i>Thomis</i> (-419062), <i>Ptpkr</i> (+174478)	N/A
Chr10	28446220	28446426	Chr10.23665	<i>Thomis</i> (-222037), <i>Ptpkr</i> (+371503)	N/A
Chr10	28493516	28493749	Chr10.23759	<i>Thomis</i> (-174272), <i>Ptpkr</i> (+18813)	N/A
Chr10	29143590	29143706	Chr10.24210	<i>Soga3</i> (-348), <i>Gm8966</i> (+546)	N/A
Chr10	29211443	29211666	Chr10.24307	<i>9330159f9rk</i> (-88)	N/A
Chr10	29484483	29484623	Chr10.24510	<i>Rnf146</i> (-122111), <i>Rspo3</i> (+51314)	N/A
Chr10	29533627	29533726	Chr10.24611	<i>Rnf146</i> (-171235), <i>Rspo3</i> (+2190)	N/A
Chr10	29533795	29533898	Chr10.24613	<i>Rnf146</i> (-171405), <i>Rspo3</i> (+2020)	N/A
Chr10	29535489	29535592	Chr10.24618	<i>Rspo3</i> (-326)	N/A
Chr10	29535935	29536060	Chr10.24621	<i>Rspo3</i> (-131)	N/A
Chr10	29538029	29538289	Chr10.24627	<i>Rspo3</i> (-2292)	N/A
Chr10	29554470	29554628	Chr10.24645	<i>Rspo3</i> (-18682), <i>Gm10275</i> (+144830)	N/A
Chr10	29636729	29636923	Chr10.24707	<i>Rspo3</i> (-100116), <i>Gm10275</i> (+63396)	N/A
Chr10	29802035	29802227	Chr10.24908	<i>Gm10275</i> (-102752), <i>Cenpw</i> (+398409)	N/A
Chr10	29878733	29878935	Chr10.25012	<i>Gm10275</i> (-179450), <i>Cenpw</i> (+321706)	N/A
Chr10	29902149	29902305	Chr10.25048	<i>Gm10275</i> (-202848), <i>Cenpw</i> (+298313)	N/A
Chr10	29908264	29908375	Chr10.25061	<i>Gm10275</i> (-208941), <i>Cenpw</i> (+292220)	N/A
Chr10	29921599	29922150	Chr10.25079	<i>Gm10275</i> (-222496), <i>Cenpw</i> (+278665)	N/A
Chr10	30328432	30328691	Chr10.25355	<i>Cenpw</i> (-127957), <i>Tmt11</i> (+272252)	N/A
Chr10	30328619	30328768	Chr10.25359	<i>Cenpw</i> (-129154), <i>Tmt11</i> (+272059)	N/A
Chr10	30405903	30406090	Chr10.25432	<i>Cenpw</i> (-205457), <i>Tmt11</i> (+194752)	N/A
Chr10	30655848	30655992	Chr10.25712	<i>Hint3</i> (-37441), <i>Ncoa7</i> (+147187)	N/A
Chr10	30775765	30775869	Chr10.25783	<i>Hint3</i> (-157338), <i>Ncoa7</i> (+27290)	N/A
Chr10	30803008	30803720	Chr10.25795	<i>Ncoa7</i> (-557)	N/A
Chr10	30839620	30839820	Chr10.25865	<i>Ncoa7</i> (-36437), <i>Hey2</i> (+3257)	N/A
Chr10	30840096	30840342	Chr10.25868	<i>Ncoa7</i> (-37112), <i>Hey2</i> (+2582)	N/A
Chr10	30855604	30855848	Chr10.25909	<i>Gm5422</i> (-392414), <i>Hey2</i> (-12925)	N/A
Chr10	30883349	30883670	Chr10.25923	<i>Gm5422</i> (-364630), <i>Hey2</i> (-40709)	N/A
Chr10	30892499	30892737	Chr10.25927	<i>Gm5422</i> (-355522), <i>Hey2</i> (-49817)	N/A
Chr10	30893571	30893694	Chr10.25935	<i>Gm5422</i> (-354507), <i>Hey2</i> (-50652)	N/A
Chr10	30894295	30894416	Chr10.25944	<i>Gm5422</i> (-363794), <i>Hey2</i> (-51555)	N/A
Chr10	30909287	30909389	Chr10.25951	<i>Gm5422</i> (-338802), <i>Hey2</i> (-66537)	N/A
Chr10	30928231	30928335	Chr10.25984	<i>Gm5422</i> (-319857), <i>Hey2</i> (-85482)	N/A
Chr10	30946314	30946473	Chr10.25999	<i>Gm5422</i> (-301748), <i>Hey2</i> (-103593)	N/A
Chr10	30946525	30946721	Chr10.26001	<i>Gm5422</i> (-301571), <i>Hey2</i> (-103822)	N/A
Chr10	30952192	30952320	Chr10.26008	<i>Gm5422</i> (-295884), <i>Hey2</i> (-109455)	N/A
Chr10	30952485	30952674	Chr10.26010	<i>Gm5422</i> (-295560), <i>Hey2</i> (-109779)	N/A
Chr10	30980264	30980603	Chr10.26027	<i>Gm5422</i> (-267706), <i>Hey2</i> (-137633)	N/A
Chr10	31009336	31009539	Chr10.26070	<i>Gm5422</i> (-238702), <i>Hey2</i> (-166637)	N/A
Chr10	31023454	31023602	Chr10.26078	<i>Gm5422</i> (-224612), <i>Hey2</i> (-180727)	N/A
Chr10	31034826	31034957	Chr10.26090	<i>Gm5422</i> (-213248), <i>Hey2</i> (-192091)	N/A
Chr10	31144578	31144788	Chr10.26191	<i>Hey2</i> (-301882), <i>Gm5422</i> (-103457)	N/A
Chr10	31150263	31150508	Chr10.26198	<i>Hey2</i> (-307585), <i>Gm5422</i> (-97754)	N/A
Chr10	31173285	31173421	Chr10.26223	<i>Hey2</i> (-330552), <i>Gm5422</i> (-74787)	N/A
Chr10	31220439	31220643	Chr10.26252	<i>Hey2</i> (-377740), <i>Gm5422</i> (-27599)	N/A
Chr10	31229294	31229402	Chr10.26263	<i>Hey2</i> (-386547), <i>Gm5422</i> (-18792)	N/A
Chr10	31252806	31253002	Chr10.26273	<i>Hdcd2</i> (-60478), <i>Gm5422</i> (-4764)	N/A
Chr10	31257017	31257325	Chr10.26280	<i>Hdcd2</i> (-56211), <i>Gm5422</i> (-9031)	N/A
Chr10	31261098	31261242	Chr10.26285	<i>Hdcd2</i> (-52212), <i>Gm5422</i> (+13030)	N/A
Chr10	31261342	31261719	Chr10.26291	<i>Hdcd2</i> (-51851), <i>Gm5422</i> (+13391)	N/A
Chr10	31295834	31295984	Chr10.26310	<i>Hdcd2</i> (-17473), <i>Gm5422</i> (+47769)	N/A
Chr10	31494395	31494685	Chr10.26398	<i>Tpds21</i> (-48559), <i>Rnf217</i> (+114704)	N/A
Chr10	31551543	31551698	Chr10.26438	<i>Tpds21</i> (-105700), <i>Rnf217</i> (+57563)	N/A
Chr10	31607566	31607665	Chr10.26462	<i>Tpds21</i> (-161659), <i>Rnf217</i> (+1568)	N/A
Chr10	31867683	31867796	Chr10.26623	<i>Rnf217</i> (-258556), <i>Nkain2</i> (+542595)	N/A
Chr10	31868357	31868501	Chr10.26631	<i>Rnf217</i> (-259245), <i>Nkain2</i> (+541906)	N/A
Chr10	32869888	32870077	Chr10.27384	<i>Nkain2</i> (-459648), <i>Nkain2</i> (+20479)	N/A
Chr10	32870780	32870884	Chr10.27388	<i>Nkain2</i> (-460497), <i>Nkain2</i> (+19630)	N/A
Chr10	32898048	32898648	Chr10.27418	<i>Nkain2</i> (-737)	N/A
Chr10	33180152	33180275	Chr10.27580	<i>Trdn</i> (+96731), <i>Civs2</i> (+444555)	N/A
Chr10	33180320	33180447	Chr10.27584	<i>Trdn</i> (+96901), <i>Civs2</i> (+444385)	N/A
Chr10	34018276	34018471	Chr10.27934	<i>Zup1</i> (-67162), <i>Rwd1</i> (+1250)	N/A
Chr10	34056426	34056576	Chr10.27979	<i>Calhm4</i> (-12188), <i>Calhm5</i> (+40018)	N/A
Chr10	34089074	34089199	Chr10.27995	<i>Calhm4</i> (-44824), <i>Calhm5</i> (+7382)	N/A
Chr10	5550032	5550213	Chr10.2803	<i>Syne1</i> (-569)	N/A
Chr10	34096526	34096647	Chr10.28037	<i>Calhm5</i> (-68)	N/A
Chr10	34150457	34150695	Chr10.28102	<i>Calhm6</i> (-22604), <i>Dse</i> (+56975)	N/A
Chr10	34176758	34176927	Chr10.28191	<i>Calhm6</i> (-48871), <i>Dse</i> (+30708)	N/A
Chr10	34185515	34185673	Chr10.28215	<i>Calhm6</i> (-57622), <i>Dse</i> (+21957)	N/A
Chr10	34271837	34271981	Chr10.28262	<i>Dse</i> (-6458), <i>Tsyp1</i> (-10281)	N/A
Chr10	34300840	34300966	Chr10.28295	<i>Col10a1</i> (-89078), <i>Tsyp4</i> (+3482)	N/A
Chr10	34301005	34301169	Chr10.28297	<i>Col10a1</i> (-88894), <i>Tsyp4</i> (+3666)	N/A
Chr10	34483544	34483544	Chr10.28499	<i>Frk</i> (+56)	N/A
Chr10	36036375	36036537	Chr10.29281	<i>Hs3a5</i> (-471363), <i>Armd2</i> (-323565)	N/A
Chr10	36508622	36508768	Chr10.29574	<i>Hdac2</i> (-46580), <i>Hs3a5</i> (+1875)	N/A
Chr10	36567301	36567605	Chr10.29667	<i>Hdac2</i> (-407091), <i>Hs3a5</i> (+60634)	N/A
Chr10	3811181	3811299	Chr10.299	<i>Mthfr1</i> (-161891), <i>Plekhtg1</i> (+70876)	N/A
Chr10	36811956	36812055	Chr10.29934	<i>Hdac2</i> (-162538), <i>Hs3a5</i> (+305187)	N/A
Chr10	36812085	36812225	Chr10.29937	<i>Hdac2</i> (-162389), <i>Hs3a5</i> (+305336)	N/A
Chr10	36898143	36898376	Chr10.30023	<i>Hdac2</i> (-76284), <i>Hs3a5</i> (+391441)	N/A
Chr10	37035188	37035472	Chr10.30065	<i>Hdac2</i> (-60786), <i>Marcks</i> (+103590)	N/A
Chr10	37134491	37134610	Chr10.30102	<i>Marcks</i> (+4369), <i>Hdac2</i> (+160007)	N/A
Chr10	37134639	37135392	Chr10.30105	<i>5930403n24rk</i> (-4542), <i>Marcks</i> (+3904)	N/A
Chr10	37135602	37135714	Chr10.30112	<i>5930403n24rk</i> (-3900), <i>Marcks</i> (+3262)	N/A
Chr10	37138914	37139301	Chr10.30132	<i>5930403n24rk</i> (-450), <i>Marcks</i> (-188)	N/A
Chr10	37139468	37139656	Chr10.30141	<i>Marcks</i> (-642), <i>5930403n24rk</i> (+9)	N/A
Chr10	37140364	37140476	Chr10.30147	<i>Marcks</i> (-1500), <i>5930403n24rk</i> (+862)	N/A
Chr10	37140858	37140981	Chr10.30151	<i>Marcks</i> (-2000), <i>5930403n24rk</i> (+1362)	N/A
Chr10	37157392	37157648	Chr10.30154	<i>5930403n24rk</i> (+17962)	N/A
Chr10	37159586	37159847	Chr10.30157	<i>5930403n24rk</i> (+20159)	N/A
Chr10	37194517	37194673	Chr10.30190	<i>5930403n24rk</i> (+55037)	N/A
Chr10	37195102	37195251	Chr10.30193	<i>5930403n24rk</i> (+55619)	N/A
Chr10	37234855	37235093	Chr10.30230	<i>5930403n24rk</i> (+95416)	N/A
Chr10	37236117	37236323	Chr10.30236	<i>5930403n24rk</i> (+96662)	N/A
Chr10	37240811	37241043	Chr10.30240	<i>5930403n24rk</i> (+101369)	N/A
Chr10	37250309	37250468	Chr10.30245	<i>5930403n24rk</i> (+110831)	N/A
Chr10	37250835	37251113	Chr10.30251	<i>5930403n24rk</i> (+111466)	N/A
Chr10	37251242	37251558	Chr10.30254	<i>5930403n24rk</i> (+111842)	N/A
Chr10	37348388	37348512	Chr10.30336	<i>5930403n24rk</i> (+208892)	N/A
Chr10	37348548	37348718	Chr10.30339	<i>5930403n24rk</i> (+209075)	N/A
Chr10	37357680	37357946	Chr10.30345	<i>5930403n24rk</i> (+218255)	N/A
Chr10	37358297	37358554	Chr10.30352	<i>5930403n24rk</i> (+218688)	N/A
Chr10	37377803	37378394	Chr10.30382	<i>5930403n24rk</i> (+238591)	N/A
Chr10	37378854	37378972	Chr10.30389	<i>5930403n24rk</i> (+239355)	N/A
Chr10	37379151	37379296	Chr10.30392	<i>5930403n24rk</i> (+239666)	N/A
Chr10	37397387	37397578	Chr10.30402	<i>5930403n24rk</i> (+257925)	N/A
Chr10	37397765	37398055	Chr10.30404	<i>5930403n24rk</i> (+258352)	N/A
Chr10	37400807	37400715	Chr10.30414	<i>5930403n24rk</i> (+260843)	N/A
Chr10	37401047	37401184	Chr10.30418	<i>5930403n24rk</i> (+261558)	N/A
Chr10	37422722	37422866	Chr10.30436	<i>5930403n24rk</i> (+283236)	N/A
Chr10	37483672	37483883	Chr10.30484	<i>5930403n24rk</i> (+344220)	N/A
Chr10	37484729	37484895	Chr10.30488	<i>5930403n24rk</i> (+345254)	N/A
Chr10	37504512	37504879	Chr10.30502	<i>5930403n24rk</i> (+365138)	N/A
Chr10	37504951	37505030	Chr10.30507	<i>5930403n24rk</i> (+365423)	N/A
Chr10	37563828	37564092	Chr10.30519	<i>5930403n24rk</i> (+424402)	N/A
Chr10	37571218	37571525	Chr10.30523	<i>5930403n24rk</i> (+431814)	N/A
Chr10	37602822	37602956	Chr10.30558	<i>5930403n24rk</i> (+463331)	N/A
Chr10	37603017	37603264	Chr10.30562	<i>5930403n24rk</i> (+463583)	N/A
Chr10	37616083	37616201	Chr10.30569	<i>5930403n24rk</i> (+476584)	N/A
Chr10	37616666	37616816	Chr10.30573	<i>5930403n24rk</i> (+477153)	N/A
Chr10	37627464	37627642	Chr10.30589	<i>5930403n24rk</i> (+487995)	N/A
Chr10	37627773	37627886	Chr10.30593	<i>5930403n24rk</i> (+488272)	N/A
Chr10	37636282	37636381	Chr10.30597	<i>5930403n24rk</i> (+496774)	N/A

Chr10	37717000	37717179	Chr10.30675	5930403n24rik(+577532)	N/A
Chr10	37779534	37779769	Chr10.30701	5930403n24rik(+640094)	N/A
Chr10	37797788	37797955	Chr10.30712	5930403n24rik(+658314)	N/A
Chr10	37861155	37861442	Chr10.30767	5930403n24rik(+721711),Rfp4b(+960480)	N/A
Chr10	37888073	37888291	Chr10.30790	5930403n24rik(+748624),Rfp4b(+933597)	N/A
Chr10	37899440	37899550	Chr10.30800	5930403n24rik(+759937),Rfp4b(+922284)	N/A
Chr10	38118645	38118772	Chr10.30860	Rfp4b(+703070),5930403n24rik(+979151)	N/A
Chr10	38121949	38122317	Chr10.30863	Rfp4b(+699648),5930403n24rik(+982575)	N/A
Chr10	38357469	38357641	Chr10.30901	Rfp4b(+514234)	N/A
Chr10	38357906	38358237	Chr10.30933	Rfp4b(+463707)	N/A
Chr10	38458367	38458647	Chr10.30950	Rfp4b(+363272)	N/A
Chr10	38458678	38458795	Chr10.30953	Rfp4b(+363042)	N/A
Chr10	38459566	38459761	Chr10.30957	Rfp4b(+362115)	N/A
Chr10	38573227	38573449	Chr10.31018	Rfp4b(+248441)	N/A
Chr10	38575827	38576156	Chr10.31026	Rfp4b(+245787)	N/A
Chr10	38670355	38670522	Chr10.31042	Rfp4b(+151340)	N/A
Chr10	38677592	38678003	Chr10.31051	Rfp4b(+143981)	N/A
Chr10	38704604	38704713	Chr10.31073	Rfp4b(+117120)	N/A
Chr10	38854848	38855099	Chr10.31099	Lama4(-110541),Rfp4b(-33195)	N/A
Chr10	38855330	38855308	Chr10.31105	Lama4(-110298),Rfp4b(-33400)	N/A
Chr10	38903357	38903458	Chr10.31129	Rfp4b(-86629),Lama4(-57107)	N/A
Chr10	38909434	38909539	Chr10.31138	Rfp4b(-87708),Lama4(-56028)	N/A
Chr10	38962037	38962165	Chr10.31163	Lama4(-3414)	N/A
Chr10	38964863	38965117	Chr10.31167	Lama4(-525)	N/A
Chr10	39211268	39212722	Chr10.3118	Mtfr1(-97310),Rgs17(+1180)	N/A
Chr10	39268443	39268651	Chr10.31185	Lama4(-3032),Fam229b(+153359)	N/A
Chr10	39268757	39268879	Chr10.31189	Lama4(-3303),Fam229b(+155098)	N/A
Chr10	39273122	39273354	Chr10.31193	Lama4(+7723),Fam229b(+160668)	N/A
Chr10	39279883	39280019	Chr10.31196	Lama4(+14436),Fam229b(+153955)	N/A
Chr10	39284812	39285119	Chr10.31203	Lama4(+19451),Fam229b(+148940)	N/A
Chr10	39286077	39286289	Chr10.31207	Lama4(+20668),Fam229b(+147723)	N/A
Chr10	39294171	39294318	Chr10.31217	Lama4(+28730),Fam229b(+139651)	N/A
Chr10	39295084	39295213	Chr10.31221	Lama4(+29634),Fam229b(+138757)	N/A
Chr10	3923917	3924123	Chr10.313	Mthk1(-149111),Plekhtg1(+83656)	N/A
Chr10	39044612	39044788	Chr10.31302	Lama4(+79185),Fam229b(+89206)	N/A
Chr10	39185242	39185595	Chr10.31501	Fyn(-184379),Ccn6(-21629)	N/A
Chr10	39186916	39187066	Chr10.31508	Fyn(-18267),Ccn6(-32197)	N/A
Chr10	39209910	39210133	Chr10.31516	Fyn(-159776),Ccn6(-46228)	N/A
Chr10	39227991	39228417	Chr10.31523	Fyn(-141594),Ccn6(-64410)	N/A
Chr10	39261788	39261904	Chr10.31544	Fyn(-107952),Ccn6(-98052)	N/A
Chr10	39266679	39266828	Chr10.31547	Fyn(-103044),Ccn6(-102960)	N/A
Chr10	39290529	39290692	Chr10.31561	Ccn6(-126817),Fyn(-79187)	N/A
Chr10	39291936	39292128	Chr10.31568	Ccn6(-128237),Fyn(-77767)	N/A
Chr10	39321303	39321418	Chr10.31579	Ccn6(-157567),Fyn(-48437)	N/A
Chr10	39368673	39368886	Chr10.31605	Fyn(-967)	N/A
Chr10	39370559	39370679	Chr10.31613	Fyn(+821)	N/A
Chr10	39370789	39370910	Chr10.31616	Traf3ip2(-242084),Fyn(+1052)	N/A
Chr10	39376040	39376252	Chr10.31627	Traf3ip2(-236738),Fyn(+6348)	N/A
Chr10	39383406	39383676	Chr10.31636	Traf3ip2(-223930),Fyn(+13743)	N/A
Chr10	39389481	39389701	Chr10.31647	Traf3ip2(-223343),Fyn(+19793)	N/A
Chr10	39389738	39389840	Chr10.31651	Traf3ip2(-223145),Fyn(+19991)	N/A
Chr10	39419939	39420158	Chr10.31701	Traf3ip2(-192885),Fyn(+50251)	N/A
Chr10	39421188	39421300	Chr10.31709	Traf3ip2(-191690),Fyn(+51448)	N/A
Chr10	39422392	39422375	Chr10.31713	Traf3ip2(-190705),Fyn(+53431)	N/A
Chr10	39426998	39427316	Chr10.31722	Traf3ip2(-185777),Fyn(+57359)	N/A
Chr10	39429963	39430081	Chr10.31734	Traf3ip2(-182912),Fyn(+60224)	N/A
Chr10	39458326	39458531	Chr10.31776	Traf3ip2(-154505),Fyn(+88631)	N/A
Chr10	39463401	39463550	Chr10.31781	Traf3ip2(-149458),Fyn(+93678)	N/A
Chr10	39463444	39463691	Chr10.31789	Traf3ip2(-143466),Fyn(+99670)	N/A
Chr10	39472181	39472379	Chr10.31793	Traf3ip2(-140654),Fyn(+102482)	N/A
Chr10	39484447	39484614	Chr10.31802	Traf3ip2(-128403),Fyn(+114733)	N/A
Chr10	39510022	39510188	Chr10.31831	Traf3ip2(-102829),Fyn(+140307)	N/A
Chr10	39512946	39513084	Chr10.31844	Traf3ip2(-99919),Fyn(+143217)	N/A
Chr10	39528233	39528390	Chr10.31869	Traf3ip2(-84622),Fyn(+158514)	N/A
Chr10	39529422	39529525	Chr10.31872	Traf3ip2(-84460),Fyn(+158978)	N/A
Chr10	39536367	39536488	Chr10.31905	Traf3ip2(-76500),Fyn(+166630)	N/A
Chr10	39540684	39541133	Chr10.31909	Traf3ip2(-72025),Fyn(+171111)	N/A
Chr10	39542114	39542366	Chr10.31914	Traf3ip2(-70694),Fyn(+172442)	N/A
Chr10	39543165	39543374	Chr10.31919	Traf3ip2(-69664),Fyn(+173472)	N/A
Chr10	39564194	39564437	Chr10.31953	Traf3ip2(-48818),Fyn(+194518)	N/A
Chr10	39564746	39564848	Chr10.31958	Traf3ip2(-45137),Fyn(+194991)	N/A
Chr10	39570639	39570876	Chr10.31976	Traf3ip2(-42176),Fyn(+200960)	N/A
Chr10	39571151	39571283	Chr10.31984	Traf3ip2(-41717),Fyn(+201419)	N/A
Chr10	39576359	39576547	Chr10.31987	Traf3ip2(-36481),Fyn(+206655)	N/A
Chr10	39587245	39587590	Chr10.31995	Traf3ip2(-25516),Fyn(+217620)	N/A
Chr10	39589161	39589404	Chr10.32000	Traf3ip2(-24451),Fyn(+218485)	N/A
Chr10	39613058	39613269	Chr10.32007	Traf3ip2(+230)	N/A
Chr10	39615545	39615651	Chr10.32020	Rev3(-116520),Traf3ip2(+2664)	N/A
Chr10	39618280	39618550	Chr10.32026	Rev3(-113703),Traf3ip2(+5481)	N/A
Chr10	39629217	39629532	Chr10.32052	Rev3(-102743),Traf3ip2(+16441)	N/A
Chr10	39629884	39630135	Chr10.32059	Rev3(-102108),Traf3ip2(+17076)	N/A
Chr10	39630304	39630412	Chr10.32062	Rev3(-101760),Traf3ip2(+17424)	N/A
Chr10	39631684	39631920	Chr10.32071	Rev3(-100316),Traf3ip2(+18868)	N/A
Chr10	39639765	39639905	Chr10.32086	Rev3(-92283),Traf3ip2(+26901)	N/A
Chr10	39645894	39646123	Chr10.32094	Rev3(-86109),Traf3ip2(+33075)	N/A
Chr10	39654058	39654182	Chr10.32112	Rev3(-77989),Traf3ip2(+41186)	N/A
Chr10	39672437	39673042	Chr10.32145	Rev3(-59378),Traf3ip2(+59895)	N/A
Chr10	39675191	39675460	Chr10.32160	Rev3(-56792),Traf3ip2(+62392)	N/A
Chr10	39691504	39691681	Chr10.32182	Rev3(-40525),Traf3ip2(+78659)	N/A
Chr10	39710462	39710575	Chr10.32194	Rev3(-21599),Traf3ip2(+97585)	N/A
Chr10	39733612	39733727	Chr10.32227	Rev3(-1552),Mtsd4b(+162151)	N/A
Chr10	40036991	40037207	Chr10.32594	Mtsd4b1(-11831),Slc16a10(+105155)	N/A
Chr10	40308063	40309627	Chr10.32726	Grf3c6(+43200),Amd1(+1323)	N/A
Chr10	40302076	40302213	Chr10.32731	Amd1(+43)	N/A
Chr10	40348660	40348901	Chr10.32749	Cdk19(-527)	N/A
Chr10	40349244	40349385	Chr10.32758	Cdk19(+7)	N/A
Chr10	40371820	40372091	Chr10.32775	Slc22a16(-196380),Cdk19(+22648)	N/A
Chr10	40372462	40372563	Chr10.32777	Slc22a16(-197803),Cdk19(+23225)	N/A
Chr10	40479996	40480324	Chr10.32847	Slc22a16(-90179),Cdk19(+130852)	N/A
Chr10	40480620	40480722	Chr10.32852	Slc22a16(-89665),Cdk19(+131363)	N/A
Chr10	40499938	40500070	Chr10.32872	Slc22a16(-70332),Cdk19(+150696)	N/A
Chr10	40511428	40511547	Chr10.32880	Slc22a16(-58848),Cdk19(+162180)	N/A
Chr10	40516505	40516660	Chr10.32885	Slc22a16(-53753),Cdk19(+167279)	N/A
Chr10	40521660	40521867	Chr10.32889	Slc22a16(-48572),Cdk19(+172456)	N/A
Chr10	40523688	40523886	Chr10.32892	Slc22a16(-46549),Cdk19(+174479)	N/A
Chr10	40674598	40674808	Chr10.33031	Meth24(-8579),Ddx(+44692)	N/A
Chr10	40688530	40688686	Chr10.33060	Meth24(+5326),Cdc40(+194535)	N/A
Chr10	40711273	40711388	Chr10.33080	Meth24(+28049),Cdc40(+171812)	N/A
Chr10	40720967	40721159	Chr10.33090	Meth24(+37781),Cdc40(+162060)	N/A
Chr10	40752791	40752942	Chr10.33156	Meth24(+76688),Cdc40(+120276)	N/A
Chr10	6916255	6916434	Chr10.3327	Ipceff1(+64031),Opml(+127536)	N/A
Chr10	40883465	40883583	Chr10.33273	Cdc40(-381),Wasf1(-303)	N/A
Chr10	6916686	6916888	Chr10.3329	Ipceff1(+63589),Opml(+127978)	N/A
Chr10	41016663	41016874	Chr10.33363	Gpr6(+55516),Wasf1(+132942)	N/A
Chr10	3839939	3840134	Chr10.334	Mthfr1(-13364),Plekhtg1(+99673)	N/A
Chr10	41282814	41293034	Chr10.33569	Gpr6(-220639),Fig4(+10317)	N/A
Chr10	6980226	6980333	Chr10.3364	Ipceff1(+96)	N/A
Chr10	7040431	7040602	Chr10.3395	Ipceff1(-60141),Cnksr3(+171720)	N/A
Chr10	41697100	41697223	Chr10.34296	Ccdc162(+12138),Caf64(+177662)	N/A
Chr10	41716354	41716457	Chr10.34242	Ccdc162(-7108),Cap571(+93201)	N/A
Chr10	41716550	41716678	Chr10.34245	Ccdc162(-7314),Cap571(+92993)	N/A
Chr10	41809974	41810201	Chr10.34286	Sesn1(-486),Cap571(-481)	N/A
Chr10	41822615	41823039	Chr10.34314	Sesn1(+12253),Armc2(+195553)	N/A
Chr10	41866663	41866767	Chr10.34348	Sesn1(+56141),Armc2(+151665)	N/A
Chr10	41881557	41881666	Chr10.34357	Sesn1(+71038),Armc2(+136768)	N/A
Chr10	41888498	41888654	Chr10.34370	Sesn1(+78022),Armc2(+129846)	N/A
Chr10	41893674	41893874	Chr10.34380	Sesn1(-83200),Armc2(+124606)	N/A
Chr10	41934630	41934752	Chr10.34452	Armc2(+83689),Sesn1(+124117)	N/A
Chr10	41934789	41934917	Chr10.34455	Armc2(+83527),Sesn1(+124279)	N/A
Chr10	41935472	41935583	Chr10.34458	Armc2(+82852),Sesn1(+124954)	N/A
Chr10	41935531	41935734	Chr10.34461	Armc2(+82697),Sesn1(+125109)	N/A
Chr10	41991199	41991396	Chr10.34509	Armc2(+27062),Sesn1(+180724)	N/A
Chr10	41991830	41991978	Chr10.34514	Armc2(+26476),Sesn1(+181330)	N/A
Chr10	42031465	42031579	Chr10.34553	Armc2(-13142),Foxo3(+245230)	N/A
Chr10	42043039	42043206	Chr10.34574	Armc2(-24743),Foxo3(+233629)	N/A
Chr10	42057468	42057581	Chr10.34581	Armc2(-39145),Foxo3(+219227)	N/A
Chr10	42089104	42089237	Chr10.34599	Armc2(-10791),Foxo3(-18758)	N/A
Chr10	42119450	42119569	Chr10.34627	Armc2(-101130),Foxo3(+157242)	N/A

Chr10	42119844	42119963	Chr10.34630	Amc2(-101524),Foxo3(+156848)	N/A
Chr10	42123108	42123243	Chr10.34632	Amc2(-104796),Foxo3(+153576)	N/A
Chr10	42123277	42123422	Chr10.34634	Amc2(-104970),Foxo3(+153402)	N/A
Chr10	42135334	42135434	Chr10.34638	Amc2(-117004),Foxo3(+141368)	N/A
Chr10	42168084	42168205	Chr10.34655	Amc2(-149769),Foxo3(+108607)	N/A
Chr10	42168240	42168393	Chr10.34659	Amc2(-149937),Foxo3(+108435)	N/A
Chr10	42178352	42178528	Chr10.34665	Amc2(-160060),Foxo3(+98312)	N/A
Chr10	42186093	42186313	Chr10.34667	Amc2(-167823),Foxo3(+90549)	N/A
Chr10	42189015	42189165	Chr10.34705	Amc2(-170710),Foxo3(+87662)	N/A
Chr10	42203438	42203629	Chr10.34764	Amc2(-185154),Foxo3(+132118)	N/A
Chr10	42204781	42204973	Chr10.34766	Amc2(-186497),Foxo3(+71875)	N/A
Chr10	42205209	42205309	Chr10.34771	Amc2(-186879),Foxo3(+71493)	N/A
Chr10	42207183	42207322	Chr10.34773	Amc2(-188873),Foxo3(+69499)	N/A
Chr10	42207367	42207585	Chr10.34775	Amc2(-189098),Foxo3(+69278)	N/A
Chr10	42211501	42211628	Chr10.34784	Amc2(-193189),Foxo3(+65187)	N/A
Chr10	42211771	42211876	Chr10.34787	Amc2(-193444),Foxo3(+64929)	N/A
Chr10	42221145	42221264	Chr10.34792	Amc2(-202825),Foxo3(+55547)	N/A
Chr10	42221295	42221416	Chr10.34795	Amc2(-202976),Foxo3(+55396)	N/A
Chr10	42241893	42242089	Chr10.34818	Amc2(-223611),Foxo3(+34761)	N/A
Chr10	42244218	42244318	Chr10.34823	Amc2(-225868),Foxo3(+32484)	N/A
Chr10	42248296	42248490	Chr10.34852	Amc2(-230013),Foxo3(+28359)	N/A
Chr10	42249835	42249943	Chr10.34840	Amc2(-231509),Foxo3(+26863)	N/A
Chr10	42251320	42251473	Chr10.34841	Amc2(-233017),Foxo3(+25355)	N/A
Chr10	42271520	42271650	Chr10.34890	Amc2(-253205),Foxo3(+5167)	N/A
Chr10	42272420	42272582	Chr10.34892	Amc2(-254121),Foxo3(+4251)	N/A
Chr10	42273816	42273984	Chr10.34902	Amc2(-255520),Foxo3(+2852)	N/A
Chr10	42276424	42276560	Chr10.34917	Foxo3(+260)	N/A
Chr10	42276619	42276760	Chr10.34918	Foxo3(+62)	N/A
Chr10	42277672	42277895	Chr10.34923	Foxo3(-1032)	N/A
Chr10	42326481	42326609	Chr10.34958	Foxo3(-49793),Alf1(+152020)	N/A
Chr10	42346651	42346931	Chr10.34998	Foxo3(-70039),Alf1(+131774)	N/A
Chr10	7158341	7159470	Chr10.35052	lpcf1(-178030),Cnkr3(+53831)	N/A
Chr10	7158933	7159217	Chr10.3506	lpcf1(-178699),Cnkr3(+53162)	N/A
Chr10	42417585	42418148	Chr10.35078	Foxo3(-141115),Alf1(+60698)	N/A
Chr10	42486176	42486338	Chr10.35128	Snx3(-15774),Alf1(-7692)	N/A
Chr10	42503221	42503374	Chr10.35142	Snx3(+12677),Nr2e1(+80334)	N/A
Chr10	42523289	42524085	Chr10.35155	Snx3(-21656),Nr2e1(+59945)	N/A
Chr10	42555917	42556139	Chr10.35178	Nr2e1(+27604),Snx3(+53997)	N/A
Chr10	7176281	7176443	Chr10.3522	lpcf1(-195986),Cnkr3(+35875)	N/A
Chr10	42578397	42578607	Chr10.35256	Nr2e1(+5130),Snx3(+76471)	N/A
Chr10	42579733	42579845	Chr10.35262	Nr2e1(+3843),Snx3(+77758)	N/A
Chr10	42580449	42580747	Chr10.35264	Nr2e1(+3034),Snx3(+78567)	N/A
Chr10	42582286	42582468	Chr10.35269	Nr2e1(+1256),Snx3(+80345)	N/A
Chr10	42583551	42583872	Chr10.35276	Nr2e1(-80)	N/A
Chr10	42584000	42584150	Chr10.35280	Nr2e1(-443)	N/A
Chr10	42591274	42591446	Chr10.35300	Ostm1(-87556),Nr2e1(-7728)	N/A
Chr10	42591887	42592040	Chr10.35306	Ostm1(-87052),Nr2e1(-8232)	N/A
Chr10	42613813	42614052	Chr10.35322	Ostm1(-64983),Nr2e1(-30301)	N/A
Chr10	42614100	42614211	Chr10.35323	Ostm1(-64760),Nr2e1(-30524)	N/A
Chr10	42632347	42632495	Chr10.35338	Nr2e1(-48789),Ostm1(-46495)	N/A
Chr10	42690638	42690766	Chr10.35365	Sec63(-70794),Ostm1(+11786)	N/A
Chr10	42706396	42706812	Chr10.35403	Sec63(-54892),Ostm1(+27688)	N/A
Chr10	42860192	42860447	Chr10.35502	Scml4(-50)	N/A
Chr10	42860512	42860802	Chr10.35503	Scml4(-317)	N/A
Chr10	42940071	42940391	Chr10.35574	Scml4(+79861),Sobp(+234299)	N/A
Chr10	42952200	42952412	Chr10.35594	Scml4(+91936),Sobp(+222224)	N/A
Chr10	42958733	42958880	Chr10.35618	Scml4(+98437),Sobp(+215723)	N/A
Chr10	42962112	42962320	Chr10.35633	Scml4(+101846),Sobp(+212314)	N/A
Chr10	42972209	42972386	Chr10.35646	Scml4(+119289),Sobp(+202232)	N/A
Chr10	42986094	42987073	Chr10.35653	Scml4(+126514),Sobp(+167426)	N/A
Chr10	42988842	42988965	Chr10.35662	Scml4(+128534),Sobp(+185626)	N/A
Chr10	42993153	42993309	Chr10.35669	Scml4(+132861),Sobp(+181299)	N/A
Chr10	42994468	42994721	Chr10.35675	Scml4(+134225),Sobp(+179935)	N/A
Chr10	42994754	42994987	Chr10.35679	Scml4(+134501),Sobp(+179659)	N/A
Chr10	42995041	42995298	Chr10.35681	Scml4(+134800),Sobp(+179380)	N/A
Chr10	42995392	42995603	Chr10.35686	Scml4(+135328),Sobp(+178832)	N/A
Chr10	43001423	43001614	Chr10.35690	Scml4(+141149),Sobp(+173011)	N/A
Chr10	43002443	43002548	Chr10.35696	Scml4(+142126),Sobp(+172034)	N/A
Chr10	43002769	43002883	Chr10.35699	Scml4(+142456),Sobp(+171704)	N/A
Chr10	43003129	43004089	Chr10.35700	Scml4(+143239),Sobp(+170921)	N/A
Chr10	43004139	43004432	Chr10.35705	Scml4(+143918),Sobp(+170244)	N/A
Chr10	43006368	43006638	Chr10.35718	Scml4(+146133),Sobp(+168027)	N/A
Chr10	43008223	43008404	Chr10.35723	Scml4(+147944),Sobp(+166216)	N/A
Chr10	43014385	43014766	Chr10.35734	Scml4(+154206),Sobp(+159954)	N/A
Chr10	43026547	43026952	Chr10.35786	Sobp(+147780),Scml4(+166380)	N/A
Chr10	43035857	43036052	Chr10.35809	Sobp(+138575),Scml4(+175545)	N/A
Chr10	43042904	43043053	Chr10.35824	Sobp(+131551),Scml4(+182609)	N/A
Chr10	43043256	43043516	Chr10.35828	Sobp(+131144),Scml4(+183016)	N/A
Chr10	43053698	43053826	Chr10.35837	Sobp(+120718),Scml4(+193442)	N/A
Chr10	43054431	43054710	Chr10.35841	Sobp(+119959),Scml4(+194201)	N/A
Chr10	43054753	43054973	Chr10.35843	Sobp(+119667),Scml4(+194443)	N/A
Chr10	43073525	43073683	Chr10.35882	Sobp(+100926),Scml4(+213234)	N/A
Chr10	7260431	7260540	Chr10.3589	Cnkr3(-48249),Ulbp1(+212991)	N/A
Chr10	43075569	43075856	Chr10.35897	Sobp(+98816),Scml4(+215344)	N/A
Chr10	43093549	43093791	Chr10.35932	Sobp(+80860),Scml4(+233300)	N/A
Chr10	43094865	43095040	Chr10.35935	Sobp(+79577),Scml4(+234583)	N/A
Chr10	43106181	43106501	Chr10.35965	Sobp(+68189),Scml4(+245971)	N/A
Chr10	43112393	43112503	Chr10.35982	Sobp(+62082),Scml4(+252078)	N/A
Chr10	43113084	43113202	Chr10.35988	Sobp(+61387),Scml4(+252773)	N/A
Chr10	43120115	43120268	Chr10.36002	Sobp(+54338),Scml4(+259822)	N/A
Chr10	43121103	43121421	Chr10.36006	Sobp(+53268),Scml4(+260892)	N/A
Chr10	43124292	43124391	Chr10.36023	Sobp(+50168),Scml4(+263972)	N/A
Chr10	43124618	43125030	Chr10.36025	Sobp(+49706),Scml4(+264544)	N/A
Chr10	43126420	43126401	Chr10.36031	Sobp(+48019),Scml4(+265141)	N/A
Chr10	43130013	43130271	Chr10.36050	Sobp(+44388),Scml4(+269772)	N/A
Chr10	43153254	43153821	Chr10.36075	Sobp(+20992),Scml4(+293168)	N/A
Chr10	43155009	43155183	Chr10.36081	Sobp(+19434),Scml4(+294726)	N/A
Chr10	43155354	43155471	Chr10.36085	Sobp(+19112),Scml4(+295048)	N/A
Chr10	7278965	7279156	Chr10.3609	Cnkr3(-66524),Ulbp1(+194418)	N/A
Chr10	3858056	3858200	Chr10.361	Mthfr1(-115003),Piekhg1(+117764)	N/A
Chr10	43168380	43168600	Chr10.36138	Sobp(+6040),Scml4(+308120)	N/A
Chr10	43169004	43169234	Chr10.36144	Sobp(+5411),Scml4(+308749)	N/A
Chr10	43170657	43171668	Chr10.36149	9030612e09nk(-3591),Sobp(+3477)	N/A
Chr10	43171979	43172329	Chr10.36158	9030612e09nk(-2550),Sobp(+2376)	N/A
Chr10	43173132	43173279	Chr10.36166	9030612e09nk(-1498),Sobp(+1324)	N/A
Chr10	43173777	43173879	Chr10.36170	9030612e09nk(-876),Sobp(+702)	N/A
Chr10	43175646	43175772	Chr10.36172	Sobp(-1179),9030612e09nk(+1005)	N/A
Chr10	43245440	43245827	Chr10.36231	Bend3(-233508),Pdss2(+24148)	N/A
Chr10	43279754	43279871	Chr10.36257	Bend3(-199327),Pdss2(+56327)	N/A
Chr10	43312283	43312591	Chr10.36303	Bend3(-186703),Pdss2(+209951)	N/A
Chr10	43331970	43332169	Chr10.36323	Bend3(-147070),Pdss2(+110584)	N/A
Chr10	43332203	43332724	Chr10.36328	Bend3(-146676),Pdss2(+110978)	N/A
Chr10	43363655	43363821	Chr10.36354	Bend3(-115402),Pdss2(+142252)	N/A
Chr10	43372698	43372884	Chr10.36375	Bend3(-106349),Pdss2(+151305)	N/A
Chr10	43375563	43375689	Chr10.36385	Bend3(-103514),Pdss2(+154140)	N/A
Chr10	3859402	3859727	Chr10.364	Mthfr1(-113566),Piekhg1(+119201)	N/A
Chr10	43409761	43409990	Chr10.36417	Bend3(-69264),Pdss2(+188390)	N/A
Chr10	43420895	43421187	Chr10.36428	Bend3(-58099),Pdss2(+199555)	N/A
Chr10	43440178	43440364	Chr10.36450	Bend3(-38869),Pdss2(+218785)	N/A
Chr10	43440509	43440626	Chr10.36451	Bend3(-38572),Pdss2(+219062)	N/A
Chr10	43440943	43441248	Chr10.36454	Bend3(-38044),Pdss2(+219610)	N/A
Chr10	7390547	7390784	Chr10.3647	Cnkr3(-178429),Ulbp1(+82811)	N/A
Chr10	43477368	43477534	Chr10.36479	Bend3(-1689)	N/A
Chr10	43477648	43477827	Chr10.36485	Bend3(-1402)	N/A
Chr10	7392510	7392679	Chr10.3649	Cnkr3(-180358),Ulbp1(+80882)	N/A
Chr10	43478035	43478194	Chr10.36498	Bend3(-1025)	N/A
Chr10	43483714	43483891	Chr10.36495	Gm9803(-40299),Bend3(+4663)	N/A
Chr10	43527540	43527764	Chr10.36609	Gm9803(+3550),170002105nk(+13342)	N/A
Chr10	43580748	43580997	Chr10.36633	F930017d23nk(-12554),Cd24a(+1704)	N/A
Chr10	43625432	43625620	Chr10.36683	F930017d23nk(+32099),Qrs1(+276219)	N/A
Chr10	43689653	43689810	Chr10.36722	F930017d23nk(+96305),Qrs1(+212013)	N/A
Chr10	43690904	43690939	Chr10.36724	F930017d23nk(+96530),Qrs1(+211788)	N/A
Chr10	43694210	43694340	Chr10.36729	F930017d23nk(+100848),Qrs1(+207470)	N/A
Chr10	43694676	43694861	Chr10.36733	F930017d23nk(+101342),Qrs1(+206976)	N/A
Chr10	43722856	43722970	Chr10.36742	F930017d23nk(+129486),Qrs1(+178832)	N/A
Chr10	43723049	43723347	Chr10.36744	F930017d23nk(+129771),Qrs1(+178547)	N/A
Chr10	43723446	43723611	Chr10.36750	F930017d23nk(+130102),Qrs1(+178216)	N/A
Chr10	43737252	43737381	Chr10.36781	F930017d23nk(+143800),Qrs1(+164428)	N/A

Chr10	43740258	43740397	Chr10.36785	F930017d23rik(+146901),Qrs1(+161417)	N/A
Chr10	43943624	43943978	Chr10.36928	Rtn4ip(+41994),Cryog1(+61045)	N/A
Chr10	7630785	76307878	Chr10.3706	Pcm1(+32421),Lrp1(+41065)	N/A
Chr10	44020257	44020447	Chr10.37078	Atg5(+24806),Cryag1(+15506)	N/A
Chr10	44323147	44323346	Chr10.37168	Atg5(+54889),Pdm1(+135440)	N/A
Chr10	44340615	44340901	Chr10.37180	Atg5(+72400),Pdm1(+117929)	N/A
Chr10	44357361	44357628	Chr10.37199	Atg5(+89137),Pdm1(+101192)	N/A
Chr10	3863504	3863918	Chr10.372	Mthfr1(-106420),Plekhtg1(+123347)	N/A
Chr10	44363392	44363211	Chr10.37210	Atg5(+84794),Pdm1(+95535)	N/A
Chr10	44364194	44364298	Chr10.37222	Pdm1(+94442),Atg5(+95887)	N/A
Chr10	44365014	44365116	Chr10.37230	Pdm1(+93622),Atg5(+96707)	N/A
Chr10	7648459	7648717	Chr10.3724	Pcm1(+14715),Lrp1(+158771)	N/A
Chr10	44380694	44380814	Chr10.37245	Pdm1(+77933),Atg5(+112396)	N/A
Chr10	44389842	44389289	Chr10.37253	Pdm1(+69621),Atg5(+120708)	N/A
Chr10	44427587	44427797	Chr10.37313	Pdm1(+30969),Atg5(+159334)	N/A
Chr10	44444469	44444806	Chr10.37418	Pdm1(+14049),Atg5(+176260)	N/A
Chr10	44445039	44445140	Chr10.37419	Pdm1(+13597),Atg5(+176732)	N/A
Chr10	44447423	44447725	Chr10.37430	Pdm1(+11113),Atg5(+179216)	N/A
Chr10	44448218	44448610	Chr10.37435	Pdm1(+10273),Atg5(+180056)	N/A
Chr10	44455945	44455163	Chr10.37473	Pdm1(+2633),Atg5(+187696)	N/A
Chr10	44457141	44457407	Chr10.37489	Pdm1(+1413),Atg5(+188916)	N/A
Chr10	44457670	44457790	Chr10.37495	Pdm1(+957)	N/A
Chr10	44459520	44459738	Chr10.37506	Pdm1(+942)	N/A
Chr10	44476643	44476923	Chr10.37557	Prep(-590423),Pdm1(-18096)	N/A
Chr10	44476973	44477238	Chr10.37559	Prep(-590100),Pdm1(-18419)	N/A
Chr10	44496190	44496295	Chr10.3762	Prep(-571036),Pdm1(-37511)	N/A
Chr10	44534376	44534635	Chr10.37700	Prep(-532700),Pdm1(-75819)	N/A
Chr10	44535165	44535335	Chr10.37706	Prep(-531956),Pdm1(-76563)	N/A
Chr10	44599963	44600114	Chr10.37756	Prep(-467167),Pdm1(-141352)	N/A
Chr10	44602107	44602276	Chr10.37763	Prep(-465013),Pdm1(-143506)	N/A
Chr10	44630551	44630968	Chr10.37793	Prep(-436446),Pdm1(-172073)	N/A
Chr10	44647146	44647492	Chr10.37823	Prep(-419857),Pdm1(-186632)	N/A
Chr10	44658363	44658584	Chr10.37844	Prep(-408732),Pdm1(-199787)	N/A
Chr10	44696630	44696756	Chr10.37902	Prep(-368513),Pdm1(-240006)	N/A
Chr10	44715626	44715752	Chr10.37930	Prep(-351517),Pdm1(-257002)	N/A
Chr10	44716657	44716863	Chr10.37942	Prep(-350446),Pdm1(-258073)	N/A
Chr10	44846214	44846450	Chr10.38132	Pdm1(-387469),Prep(-220874)	N/A
Chr10	44861699	44861930	Chr10.38176	Pdm1(-403128),Prep(-205391)	N/A
Chr10	44861974	44862218	Chr10.38182	Pdm1(-403409),Prep(-205110)	N/A
Chr10	44862261	44862536	Chr10.38184	Pdm1(-403712),Prep(-204807)	N/A
Chr10	44862633	44862851	Chr10.38186	Pdm1(-404055),Prep(-204464)	N/A
Chr10	44873858	44873983	Chr10.38206	Pdm1(-415234),Prep(-193285)	N/A
Chr10	44886837	44887022	Chr10.38241	Pdm1(-428543),Prep(-180276)	N/A
Chr10	44887099	44887469	Chr10.38243	Pdm1(-428597),Prep(-179922)	N/A
Chr10	44887505	44887724	Chr10.38247	Pdm1(-428928),Prep(-179591)	N/A
Chr10	44925453	44925841	Chr10.38292	Pdm1(-466960),Prep(-141559)	N/A
Chr10	44940229	44940422	Chr10.38318	Pdm1(-481639),Prep(-126880)	N/A
Chr10	44967869	44967876	Chr10.38382	Pdm1(-529089),Prep(-79434)	N/A
Chr10	44994058	44994226	Chr10.38397	Pdm1(-635455),Prep(-73064)	N/A
Chr10	44994520	44994663	Chr10.38400	Pdm1(-535905),Prep(-72614)	N/A
Chr10	44997809	44998129	Chr10.38411	Pdm1(-539182),Prep(-69337)	N/A
Chr10	44998177	44998347	Chr10.38412	Pdm1(-539575),Prep(-68944)	N/A
Chr10	45000204	45000491	Chr10.38416	Pdm1(-541661),Prep(-66558)	N/A
Chr10	45003162	45003273	Chr10.38432	Pdm1(-544531),Prep(-63986)	N/A
Chr10	45003405	45003592	Chr10.38433	Pdm1(-544812),Prep(-63707)	N/A
Chr10	45009590	45009738	Chr10.38440	Pdm1(-550977),Prep(-57542)	N/A
Chr10	45019618	45019756	Chr10.38456	Pdm1(-561000),Prep(-47519)	N/A
Chr10	45048660	45048800	Chr10.38476	Pdm1(-590043),Prep(-18476)	N/A
Chr10	45122686	45122809	Chr10.38538	Popdc3(-166557),Prep(+55042)	N/A
Chr10	45193561	45193750	Chr10.38559	Popdc3(-95549),Prep(-126450)	N/A
Chr10	45311820	45311928	Chr10.38642	Bves(-23888),Popdc3(+22569)	N/A
Chr10	45410679	45410962	Chr10.38800	Lin28b(+59380),Bves(+75059)	N/A
Chr10	45411725	45412082	Chr10.38809	Lin28b(+58297),Bves(+76142)	N/A
Chr10	45446097	45446270	Chr10.38815	Lin28b(+24017),Bves(+110422)	N/A
Chr10	45458112	45458506	Chr10.38822	Lin28b(+11892),Bves(+122547)	N/A
Chr10	45458769	45458943	Chr10.38828	Lin28b(+11345),Bves(+123094)	N/A
Chr10	45467714	45467954	Chr10.38834	Lin28b(+2367),Bves(+132072)	N/A
Chr10	45469625	45469947	Chr10.38845	Lin28b(+415)	N/A
Chr10	45470001	45470180	Chr10.38848	Lin28b(+110)	N/A
Chr10	45470231	45470538	Chr10.38849	Lin28b(-184)	N/A
Chr10	45470553	45470668	Chr10.38854	Lin28b(-710)	N/A
Chr10	45472375	45472483	Chr10.38859	Lin28b(-2228)	N/A
Chr10	45472807	45473013	Chr10.38863	Lin28b(-2709)	N/A
Chr10	45485330	45485463	Chr10.38887	Hace1(-92432),Lin28b(-15196)	N/A
Chr10	45779865	45780031	Chr10.38979	Hace1(+202719)	N/A
Chr10	45781676	45781256	Chr10.38984	Hace1(+203337)	N/A
Chr10	45781547	45782232	Chr10.38988	Hace1(+204061)	N/A
Chr10	45783564	45783715	Chr10.38993	Hace1(+205811)	N/A
Chr10	45786246	45786524	Chr10.38999	Hace1(+208556)	N/A
Chr10	45807994	45808128	Chr10.39012	Hace1(+230232)	N/A
Chr10	45808258	45808739	Chr10.39015	Hace1(+230670)	N/A
Chr10	45813826	45814035	Chr10.39032	Hace1(+230687)	N/A
Chr10	45814049	45814246	Chr10.39033	Hace1(+236319)	N/A
Chr10	45821468	45821727	Chr10.39044	Hace1(+243769)	N/A
Chr10	45860050	45860450	Chr10.39076	Hace1(+282526)	N/A
Chr10	45865812	45865936	Chr10.39095	Hace1(+288046)	N/A
Chr10	45866059	45866255	Chr10.39097	Hace1(+288328)	N/A
Chr10	45887346	45887586	Chr10.39131	Hace1(+309637)	N/A
Chr10	45889360	45890301	Chr10.39136	Hace1(+312002)	N/A
Chr10	45893788	45894118	Chr10.39161	Hace1(+316124)	N/A
Chr10	45894167	45894419	Chr10.39165	Hace1(+316464)	N/A
Chr10	45953838	45953938	Chr10.39210	Hace1(+400059)	N/A
Chr10	46065128	46065289	Chr10.39360	Hace1(+487389)	N/A
Chr10	46071394	46071658	Chr10.39382	Hace1(+493697)	N/A
Chr10	46226887	46227039	Chr10.39563	Hace1(+649134)	N/A
Chr10	46227069	46227242	Chr10.39566	Hace1(+649327)	N/A
Chr10	7864330	7864480	Chr10.3966	Zc3h12d(+9193),Tab2(+91825)	N/A
Chr10	46697158	46697913	Chr10.39896	None	N/A
Chr10	7906421	7906524	Chr10.3990	Tab2(+49757),Zc3h12d(+74003)	N/A
Chr10	46826738	46826952	Chr10.39946	None	N/A
Chr10	49322567	49322715	Chr10.40431	Grik2(+466125)	N/A
Chr10	7954922	7955059	Chr10.4056	Tab2(+1239),Zc3h12d(+122521)	N/A
Chr10	7956896	7957008	Chr10.4060	Tab2(-722)	N/A
Chr10	7991858	7991976	Chr10.4079	Tab2(-35687),Ust(+526908)	N/A
Chr10	49778838	49779004	Chr10.40838	Grik2(+9845)	N/A
Chr10	7992236	7992650	Chr10.4084	Tab2(-36213),Ust(+526382)	N/A
Chr10	49783132	49783721	Chr10.40852	Grik2(+5339)	N/A
Chr10	3891909	3892018	Chr10.413	Mthfr1(-81167),Plekhtg1(+151600)	N/A
Chr10	8027002	8027102	Chr10.4136	Tab2(-70822),Ust(+491773)	N/A
Chr10	50773906	50774093	Chr10.41389	Sim1(-121651),Asc3(+181331)	N/A
Chr10	8035234	8035333	Chr10.4143	Tab2(-79054),Ust(+483541)	N/A
Chr10	8037001	8037136	Chr10.4153	Tab2(-80839),Ust(+481756)	N/A
Chr10	50894917	50895016	Chr10.41549	Sim1(-684)	N/A
Chr10	50897545	50897748	Chr10.41569	Lilkb(-582985),Sim1(+1996)	N/A
Chr10	8038182	8038547	Chr10.4159	Tab2(-82135),Ust(+480460)	N/A
Chr10	8047174	8041864	Chr10.4174	Tab2(-85559),Ust(+477036)	N/A
Chr10	51153372	51154045	Chr10.41885	Lilkb(-326923),Sim1(+258058)	N/A
Chr10	8086916	8087112	Chr10.4206	Tab2(-130784),Ust(+431811)	N/A
Chr10	51398327	51398441	Chr10.42092	Lilkb(-82248),Sim1(+502733)	N/A
Chr10	3800718	3800835	Chr10.423	Mthfr1(-72354),Plekhtg1(+160413)	N/A
Chr10	8107901	8108001	Chr10.4235	Tab2(-151721),Ust(+410874)	N/A
Chr10	8133401	8133615	Chr10.4247	Tab2(-177278),Ust(+385317)	N/A
Chr10	51945840	51946011	Chr10.42512	493341g06rik(-188732),Vgll2(-76576)	N/A
Chr10	51961552	51961777	Chr10.42529	493341g06rik(-204471),Vgll2(-60837)	N/A
Chr10	8133755	8133928	Chr10.4256	Tab2(-177612),Ust(+384963)	N/A
Chr10	8173554	8173263	Chr10.4261	Tab2(-216944),Ust(+345651)	N/A
Chr10	52062170	52062371	Chr10.42636	Vgll2(+39769),Rox1(+132973)	N/A
Chr10	8176471	8176634	Chr10.4267	Tab2(-220323),Ust(+342272)	N/A
Chr10	8176689	8176940	Chr10.4271	Tab2(-220585),Ust(+342010)	N/A
Chr10	52274185	52274440	Chr10.42848	Dcdld1(+40694),Gopc(+107811)	N/A
Chr10	52357303	52357448	Chr10.42951	Gopc(+24748),Dcdld1(+123757)	N/A
Chr10	8200234	8200365	Chr10.4299	Tab2(-244070),Ust(+318525)	N/A
Chr10	52417477	52417615	Chr10.43020	Hus1(-1)	N/A
Chr10	52704556	52704795	Chr10.43112	Pln(-633010),Slc35f1(+14143)	N/A
Chr10	52779996	52780263	Chr10.43184	Pln(-557556),Slc35f1(+89597)	N/A
Chr10	52877885	52878384	Chr10.43275	Pln(-459551),Slc35f1(+187602)	N/A
Chr10	82115161	8211786	Chr10.4329	Tab2(-255444),Ust(+307151)	N/A
Chr10	8213291	8213528	Chr10.4338	Tab2(-257180),Ust(+305415)	N/A

Chr10	8214257	8214386	Chr10.4346	Tab2(-258092), Ust1(+304503)	N/A
Chr10	8216932	8217130	Chr10.4348	Tab2(-260801), Ust1(+301794)	N/A
Chr10	8228995	8229215	Chr10.4365	Tab2(-272875), Ust1(+289720)	N/A
Chr10	53398229	53398412	Chr10.43701	Asf1a(-198404), Cep85(-18470)	N/A
Chr10	53414134	53414318	Chr10.43710	Asf1a(-182735), Cep85(-34375)	N/A
Chr10	53429949	53430055	Chr10.43719	Asf1a(-166959), Cep85(-50151)	N/A
Chr10	8232507	8232772	Chr10.4379	Tab2(-276410), Ust1(+286185)	N/A
Chr10	53596775	53596960	Chr10.43812	Asf1a(-93)	N/A
Chr10	53597880	53598057	Chr10.43821	Asf1a(-1008), Mon9(-32470)	N/A
Chr10	8233489	8233753	Chr10.4385	Tab2(-277391), Ust1(+285204)	N/A
Chr10	3920635	3920797	Chr10.442	Mthk1(-52415), Plekkg1(+180352)	N/A
Chr10	54060476	54060593	Chr10.44250	Fam184a(-309655), Man1a(+15261)	N/A
Chr10	8429330	8429609	Chr10.4529	Tab2(-473240), Ust1(+89355)	N/A
Chr10	8432553	8432155	Chr10.4538	Tab2(-473874), Ust1(+86721)	N/A
Chr10	58372265	58377520	Chr10.45438	Gja1(+93)	N/A
Chr10	56385461	56385581	Chr10.45451	Gm9956(-359613), Gja1(+8221)	N/A
Chr10	56393112	56393396	Chr10.45516	Gm9956(-351880), Gja1(+15954)	N/A
Chr10	56406074	56406218	Chr10.45529	Gm9956(-338988), Gja1(+28846)	N/A
Chr10	56422557	56422690	Chr10.45537	Gm9956(-322510), Gja1(+45324)	N/A
Chr10	56424191	56424503	Chr10.45539	Gm9956(-320787), Gja1(+47047)	N/A
Chr10	56469303	56469471	Chr10.45572	Gm9956(-275747), Gja1(+92037)	N/A
Chr10	56480617	56480832	Chr10.45589	Gm9956(-264409), Gja1(+103425)	N/A
Chr10	56610849	56611064	Chr10.45680	Gm9956(-134177), Gja1(+233657)	N/A
Chr10	56634938	56635104	Chr10.45695	Gm9956(-110113), Gja1(+257721)	N/A
Chr10	56643403	56643631	Chr10.45704	Gm9956(-101614), Gja1(+266220)	N/A
Chr10	56822197	56822403	Chr10.45783	Hsf2(-664085), Gm9956(+171166)	N/A
Chr10	56839084	56839322	Chr10.45791	Hsf2(-647182), Gm9956(+94069)	N/A
Chr10	56880314	56880500	Chr10.45820	Hsf2(-605978), Gm9956(+135273)	N/A
Chr10	56893534	56893724	Chr10.45834	Hsf2(-592756), Gm9956(+148495)	N/A
Chr10	56914485	56914605	Chr10.45844	Hsf2(-571840), Gm9956(+169411)	N/A
Chr10	56914820	56914924	Chr10.45846	Hsf2(-571513), Gm9956(+169738)	N/A
Chr10	56921389	56921652	Chr10.45859	Hsf2(-564864), Gm9956(+176387)	N/A
Chr10	56979745	56979913	Chr10.45899	Hsf2(-506556), Gm9956(+234695)	N/A
Chr10	56980869	56980995	Chr10.45900	Hsf2(-505453), Gm9956(+235798)	N/A
Chr10	57040256	57040710	Chr10.45944	Hsf2(-445902), Gm9956(+295349)	N/A
Chr10	57231201	57231434	Chr10.46052	Hsf2(-250607), Gm9956(+486184)	N/A
Chr10	57487875	57487992	Chr10.46133	Hsf2(+1549), Sash1(+44596)	N/A
Chr10	8511909	8512031	Chr10.4636	Tab2(-555740), Ust1(+6855)	N/A
Chr10	58371136	58371245	Chr10.46505	Lims1(-23182), Gcc2(+156694)	N/A
Chr10	58371366	58371501	Chr10.46507	Lims1(-22939), Gcc2(+15937)	N/A
Chr10	58371592	58371706	Chr10.46510	Lims1(-22724), Gcc2(+116152)	N/A
Chr10	5874998	5875239	Chr10.4658	Ust1(-56294), Sash1(+310691)	N/A
Chr10	58841792	58841892	Chr10.46866	Edar(+23812), Cdc138(+143872)	N/A
Chr10	58851836	58852228	Chr10.46874	Edar(+23622), Cdc138(+154062)	N/A
Chr10	58852559	58852482	Chr10.46877	Edar(+23283), Cdc138(+154401)	N/A
Chr10	58859332	58859431	Chr10.46883	Edar(+16272), Cdc138(+161412)	N/A
Chr10	58873446	58873552	Chr10.46903	Edar(+2155), Cdc138(+175529)	N/A
Chr10	58812290	58812419	Chr10.46955	Sh3f3(-1103)	N/A
Chr10	58885743	58885843	Chr10.46992	Sh3f3(-72335), Sept10(+336054)	N/A
Chr10	58950019	58950161	Chr10.47017	Sh3f3(+136632), Sept10(+271757)	N/A
Chr10	58950213	58950313	Chr10.47020	Sh3f3(+136805), Sept10(+271584)	N/A
Chr10	59323240	59323395	Chr10.47217	P4ha1(+22)	N/A
Chr10	59324630	59324731	Chr10.47225	Gm10273(-70951), P4ha1(+1389)	N/A
Chr10	59334912	59335240	Chr10.47235	Gm10273(-60556), P4ha1(+11780)	N/A
Chr10	59355312	59354228	Chr10.47268	Gm10273(-40262), P4ha1(+32074)	N/A
Chr10	59371725	59371851	Chr10.47281	Gm10273(-23844), P4ha1(+48492)	N/A
Chr10	59439900	59440058	Chr10.47381	Ol3(-1799), Pla2g12b(+36319)	N/A
Chr10	59446956	59447186	Chr10.47394	Gm10322(-168992), Ol3(-5293)	N/A
Chr10	59447439	59447439	Chr10.47398	Gm10322(-168716), Ol3(-5268)	N/A
Chr10	59503803	59503904	Chr10.47443	Gm10322(-112206), Ol3(-62078)	N/A
Chr10	59555506	59555667	Chr10.47492	Ol3(-113809), Gm10322(-60476)	N/A
Chr10	59602158	59602401	Chr10.47522	Ol3(-160502), Gm10322(-13783)	N/A
Chr10	59614795	59614952	Chr10.47552	Gm10322(-1189)	N/A
Chr10	59615158	59615274	Chr10.47554	Gm10322(-447)	N/A
Chr10	59615542	59615683	Chr10.47557	Gm10322(-460)	N/A
Chr10	59756661	59756930	Chr10.47642	Dnab12(-122779), Mlcu1(+54319)	N/A
Chr10	59897475	59897689	Chr10.47820	Dnab12(+18007), Ddl4(+54188)	N/A
Chr10	59899167	59899301	Chr10.47829	Dnab12(+19659), Ddl4(+52536)	N/A
Chr10	59899666	59899801	Chr10.47831	Dnab12(+20159), Ddl4(+52036)	N/A
Chr10	59916309	59916418	Chr10.47845	Ddl4(-35406), Dnab12(+36789)	N/A
Chr10	59943338	59943479	Chr10.47859	Ddl4(+4361), Dnab12(+63634)	N/A
Chr10	59957533	59957658	Chr10.47889	Ascc1(-45209), Ddl4(-5826)	N/A
Chr10	59957900	59958013	Chr10.47894	Ascc1(-44848), Ddl4(-6187)	N/A
Chr10	59965908	59966091	Chr10.47905	Ascc1(-36805), Ddl4(-14230)	N/A
Chr10	59974261	59974411	Chr10.47914	Ascc1(-28469), Ddl4(-22566)	N/A
Chr10	59974693	59974953	Chr10.47917	Ascc1(-27982), Ddl4(-23053)	N/A
Chr10	59978932	59979099	Chr10.47927	Ddl4(-27246), Ascc1(-23789)	N/A
Chr10	60025689	60025918	Chr10.48005	Spock2(-80415), Anapc16(-22669)	N/A
Chr10	60029078	60029234	Chr10.48010	Spock2(-77063), Anapc16(-26021)	N/A
Chr10	60081236	60081480	Chr10.48043	Anapc16(-78223), Spock2(-24861)	N/A
Chr10	60082094	60082209	Chr10.48048	Anapc16(-79077), Spock2(-24067)	N/A
Chr10	60089844	60089767	Chr10.48056	Anapc16(-655571), Spock2(-17513)	N/A
Chr10	60105536	60105678	Chr10.48072	Spock2(-612)	N/A
Chr10	60115609	60115821	Chr10.48104	Spock2(+9496), Chst3(+103545)	N/A
Chr10	60202936	60203072	Chr10.48214	Chst3(+16256), Spock2(+96785)	N/A
Chr10	60302761	60302896	Chr10.48310	Vsair(-44022), P5api(+25201)	N/A
Chr10	60351453	60351584	Chr10.48355	Vsair(+4668), Cdh23(+344971)	N/A
Chr10	60353337	60353436	Chr10.48560	Vsair(+6536), Cdh23(+343103)	N/A
Chr10	60362321	60362425	Chr10.48580	Vsair(+15522), Cdh23(+334117)	N/A
Chr10	8752583	8752828	Chr10.4872	Ust1(-233881), Sash1(+133364)	N/A
Chr10	60471777	60471904	Chr10.48829	Vsair(+124990), Cdh23(+224649)	N/A
Chr10	60486555	60486785	Chr10.48877	Vsair(+151869), Cdh23(+197770)	N/A
Chr10	60504754	60504960	Chr10.48885	Vsair(+158006), Cdh23(+191633)	N/A
Chr10	8757379	8757656	Chr10.4889	Ust1(-238693), Sash1(+128552)	N/A
Chr10	60526018	60526232	Chr10.48907	Cdh23(+170365), Vsair(+179274)	N/A
Chr10	60558786	60558902	Chr10.48947	Cdh23(+137646), Vsair(+211993)	N/A
Chr10	60564823	60564965	Chr10.48954	Cdh23(+137599), Vsair(+218043)	N/A
Chr10	60566576	60566831	Chr10.48956	Cdh23(+129786), Vsair(+218653)	N/A
Chr10	8760535	8761034	Chr10.4896	Ust1(-241960), Sash1(+125285)	N/A
Chr10	60579275	60579474	Chr10.48986	Cdh23(+117115), Vsair(+232524)	N/A
Chr10	60592960	60593363	Chr10.49013	Cdh23(+103328), Vsair(+246311)	N/A
Chr10	8762290	8762569	Chr10.4905	Ust1(-243605), Sash1(+123640)	N/A
Chr10	60639402	60639532	Chr10.49078	Cdh23(+57023), Vsair(+292616)	N/A
Chr10	60692056	60692172	Chr10.49118	Cdh23(+4378), Vsair(+345263)	N/A
Chr10	60698937	60699074	Chr10.49121	Cdh23(-2516)	N/A
Chr10	60727575	60727787	Chr10.49192	Cdh23(-31191), Slc29a3(+25101)	N/A
Chr10	60732274	60732479	Chr10.49198	Cdh23(-35887), Slc29a3(+20405)	N/A
Chr10	60737362	60737516	Chr10.49211	Cdh23(-40959), Slc29a3(+15333)	N/A
Chr10	60747390	60747575	Chr10.49217	Cdh23(-50943), Slc29a3(+5299)	N/A
Chr10	8776083	8776236	Chr10.4927	Ust1(-25735), Sash1(+109910)	N/A
Chr10	60787539	60787833	Chr10.49354	Slc29a3(-34904), Unc5b(+43895)	N/A
Chr10	60792936	60793049	Chr10.49371	Slc29a3(-40211), Unc5b(+38588)	N/A
Chr10	60793080	60793183	Chr10.49372	Slc29a3(-40350), Unc5b(+38449)	N/A
Chr10	60794479	60794675	Chr10.49373	Slc29a3(-41799), Unc5b(+37004)	N/A
Chr10	60796208	60796208	Chr10.49381	Slc29a3(-43362), Unc5b(+35437)	N/A
Chr10	60799091	60799091	Chr10.49392	Slc29a3(-47231), Unc5b(+31568)	N/A
Chr10	60800883	60801054	Chr10.49396	Slc29a3(-48187), Unc5b(+30612)	N/A
Chr10	60804679	60804878	Chr10.49406	Slc29a3(-51997), Unc5b(+26802)	N/A
Chr10	60817289	60817425	Chr10.49429	Slc29a3(-64575), Unc5b(+14224)	N/A
Chr10	60820684	60820784	Chr10.49434	Slc29a3(-67942), Unc5b(+10857)	N/A
Chr10	60823125	60823256	Chr10.49438	Slc29a3(-70409), Unc5b(+6396)	N/A
Chr10	60828409	60828521	Chr10.49447	Slc29a3(-75683), Unc5b(+3116)	N/A
Chr10	60829212	60829519	Chr10.49450	Slc29a3(-76584), Unc5b(+2215)	N/A
Chr10	60829768	60829932	Chr10.49458	Slc29a3(-77068), Unc5b(+1731)	N/A
Chr10	60885947	60886157	Chr10.49470	Pcbdl1(-202291), Unc5b(-54471)	N/A
Chr10	60889411	60889787	Chr10.49478	Pcbdl1(-202329), Unc5b(-55433)	N/A
Chr10	60893806	60893972	Chr10.49485	Pcbdl1(-195454), Unc5b(-62308)	N/A
Chr10	60918443	60918574	Chr10.49492	Pcbdl1(-170834), Unc5b(-86928)	N/A
Chr10	60928182	60928281	Chr10.49510	Pcbdl1(-161111), Unc5b(-96651)	N/A
Chr10	60936912	60937030	Chr10.49533	Pcbdl1(-152372), Unc5b(-105390)	N/A
Chr10	60981879	60982058	Chr10.49575	Unc5b(-150388), Pcbdl1(-107374)	N/A
Chr10	60985173	60985390	Chr10.49578	Unc5b(-153701), Pcbdl1(-104061)	N/A
Chr10	8801276	8801389	Chr10.4961	Ust1(-282505), Sash1(+84737)	N/A
Chr10	61051157	61051277	Chr10.49621	Unc5b(-219636), Pcbdl1(-38126)	N/A
Chr10	8813447	8813603	Chr10.4979	Ust1(-294700), Sash1(+72545)	N/A
Chr10	61272156	61272260	Chr10.49889	Adams14(+1230), Tbaa1(+100222)	N/A
Chr10	61274762	61274976	Chr10.49895	Adams14(+1446)	N/A
Chr10	61285447	61285552	Chr10.49905	Pf1(-12336), Adams14(-12062)	N/A

Chr10	61370727	61370949	Chr10.50100	<i>Pa1d1(+12685),Prf1(+73002)</i>	N/A
Chr10	61408031	61408173	Chr10.50121	<i>Pa1d1(-24679),Nodal(-9870)</i>	N/A
Chr10	8843847	8843954	Chr10.5017	<i>Ust(-325078),Sash1(+42169)</i>	N/A
Chr10	81476643	81476798	Chr10.50187	<i>D830329m14n(+217),Linc20(+887)</i>	N/A
Chr10	8846343	8846515	Chr10.5022	<i>Ust(-327604),Sash1(+39641)</i>	N/A
Chr10	61629973	61630136	Chr10.50256	<i>Ppa1(-18497),Npfr1(+34571)</i>	N/A
Chr10	8861120	8861220	Chr10.5040	<i>Ust(-342345),Sash1(+24900)</i>	N/A
Chr10	61736580	61736734	Chr10.50404	<i>Alfm2(+16008),Macroh2a2(+47490)</i>	N/A
Chr10	61717700	61717804	Chr10.50462	<i>Macroh2a2(+12395),Alfm2(+51103)</i>	N/A
Chr10	61781849	61781975	Chr10.50471	<i>Macroh2a2(+2235),Alfm2(+1263)</i>	N/A
Chr10	61806020	61806154	Chr10.50493	<i>Macroh2a2(-21940),Col13a1(+173021)</i>	N/A
Chr10	61823782	61823953	Chr10.50498	<i>Macroh2a2(-39721),Col13a1(+155240)</i>	N/A
Chr10	8866477	8866596	Chr10.5054	<i>Ust(-347712),Sash1(+19533)</i>	N/A
Chr10	61853288	61853425	Chr10.50557	<i>Macroh2a2(-69210),Col13a1(+125751)</i>	N/A
Chr10	61879917	61880142	Chr10.50603	<i>Macroh2a2(-95883),Col13a1(+99078)</i>	N/A
Chr10	61910295	61910426	Chr10.50672	<i>Macroh2a2(-126214),Col13a1(+68747)</i>	N/A
Chr10	61935467	61935603	Chr10.50699	<i>Macroh2a2(-151388),Col13a1(+43573)</i>	N/A
Chr10	61936504	61936638	Chr10.50703	<i>Macroh2a2(-152424),Col13a1(+42537)</i>	N/A
Chr10	8883796	8883913	Chr10.5072	<i>Ust(-365030),Sash1(+2215)</i>	N/A
Chr10	6196507	61965721	Chr10.50733	<i>Macroh2a2(-181467),Col13a1(+13494)</i>	N/A
Chr10	61978993	61979134	Chr10.50743	<i>Col13a1(+44)</i>	N/A
Chr10	61979217	61979370	Chr10.50746	<i>Col13a1(-186)</i>	N/A
Chr10	62024141	62024247	Chr10.50778	<i>Gm5424(-46821),Col13a1(-45086)</i>	N/A
Chr10	62038789	62038909	Chr10.50787	<i>Col13a1(-59741),Gm5424(-32166)</i>	N/A
Chr10	62043885	62043988	Chr10.50794	<i>Col13a1(-64829),Gm5424(-27078)</i>	N/A
Chr10	62044539	62044701	Chr10.50796	<i>Col13a1(-65512),Gm5424(-26265)</i>	N/A
Chr10	62076392	62076577	Chr10.50841	<i>Gm5424(+5470),Fam241b(+34565)</i>	N/A
Chr10	8898404	8898504	Chr10.5085	<i>Sash1(-12384),Gm9930(+63727)</i>	N/A
Chr10	62100377	62100568	Chr10.50856	<i>Fam241b(+10577),Gm5424(+29458)</i>	N/A
Chr10	62128814	62128915	Chr10.50877	<i>Neurog3(-4225)</i>	N/A
Chr10	62128968	62129142	Chr10.50880	<i>Neurog3(-4035)</i>	N/A
Chr10	62132966	62133067	Chr10.50901	<i>Neurog3(-73)</i>	N/A
Chr10	8898788	8899059	Chr10.5092	<i>Sash1(-12854),Gm9930(+636757)</i>	N/A
Chr10	62174593	62174794	Chr10.50949	<i>Neurog3(+41604),Tspan15(+56524)</i>	N/A
Chr10	62228250	62228445	Chr10.51006	<i>Tspan15(+2870),Neurog3(+95258)</i>	N/A
Chr10	62248046	62248196	Chr10.51014	<i>Tacr2(-4317)</i>	N/A
Chr10	62311734	62311900	Chr10.51175	<i>Tacr2(-59379),Hk1(+468091)</i>	N/A
Chr10	62356532	62356643	Chr10.51197	<i>Hk1(+23320),Tacr2(+104150)</i>	N/A
Chr10	62374948	62375162	Chr10.51208	<i>Hk1(+4853),Tacr2(+122617)</i>	N/A
Chr10	62422445	62422554	Chr10.51348	<i>Hkdc1(-9)</i>	N/A
Chr10	62422643	62422743	Chr10.51352	<i>Hkdc1(-202)</i>	N/A
Chr10	8926246	8926463	Chr10.5136	<i>Sash1(-43265),Gm9930(+606326)</i>	N/A
Chr10	82507749	82507925	Chr10.51446	<i>Vps26a(-21239),Sgpn(+19614)</i>	N/A
Chr10	8945254	8945461	Chr10.5152	<i>Sash1(-59288),Gm9930(+590323)</i>	N/A
Chr10	8945665	8945809	Chr10.5154	<i>Sash1(-59667),Gm9930(+589944)</i>	N/A
Chr10	62674781	62674904	Chr10.51659	<i>Ddx50(-23625),Stox1(+51285)</i>	N/A
Chr10	8961385	8961502	Chr10.5176	<i>Sash1(-75374),Gm9930(+574237)</i>	N/A
Chr10	62863704	62863852	Chr10.51848	<i>Ccarr1(-71410),Tef(+35340)</i>	N/A
Chr10	62864419	62864534	Chr10.51856	<i>Ccarr1(-72109),Tef(+34641)</i>	N/A
Chr10	62864664	62864907	Chr10.51859	<i>Ccarr1(-72418),Tef(+34332)</i>	N/A
Chr10	62865061	62865374	Chr10.51861	<i>Ccarr1(-72850),Tef(+33900)</i>	N/A
Chr10	62865427	62866044	Chr10.51862	<i>Ccarr1(-73368),Tef(+33382)</i>	N/A
Chr10	62866627	62866877	Chr10.51870	<i>Ccarr1(-74364),Tef(+32366)</i>	N/A
Chr10	8968395	8968584	Chr10.5191	<i>Sash1(-82420),Gm9930(+567191)</i>	N/A
Chr10	8970441	8970697	Chr10.5194	<i>Sash1(-84499),Gm9930(+565112)</i>	N/A
Chr10	8972669	8972834	Chr10.5199	<i>Sash1(-86682),Gm9930(+562929)</i>	N/A
Chr10	8973003	8973294	Chr10.5204	<i>Sash1(-87079),Gm9930(+562532)</i>	N/A
Chr10	63023025	63023139	Chr10.52119	<i>Pblu2(-1430),Hmnp3(+812)</i>	N/A
Chr10	63023295	63023415	Chr10.52121	<i>Pblu2(-1157),Hmnp3(+539)</i>	N/A
Chr10	63090111	63090414	Chr10.52197	<i>Atoh7(-9893),Pblu1(+28645)</i>	N/A
Chr10	8990808	8990904	Chr10.5232	<i>Sash1(-112916),Gm9930(+536695)</i>	N/A
Chr10	63177619	63177743	Chr10.52358	<i>Myrn(+26271),Atoh7(+77525)</i>	N/A
Chr10	63185787	63185886	Chr10.52364	<i>Myrn(+18115),Atoh7(+85681)</i>	N/A
Chr10	63203535	63204058	Chr10.52380	<i>Myrn(+155)</i>	N/A
Chr10	63233982	63231151	Chr10.52401	<i>Myrn(-27115),Herc4(-12730)</i>	N/A
Chr10	63243894	63244043	Chr10.52411	<i>Herc4(+172),1700120b20n(+179)</i>	N/A
Chr10	9013824	9013951	Chr10.5257	<i>Sash1(-127818),Gm9930(+521793)</i>	N/A
Chr10	63416401	63416502	Chr10.52573	<i>Gm7075(+5287),Dnajc12(-29889)</i>	N/A
Chr10	63455437	63455745	Chr10.52583	<i>Cttna3(-1919)</i>	N/A
Chr10	63476403	63476633	Chr10.52606	<i>Cttna3(-18008),Gm10118(+450918)</i>	N/A
Chr10	63650151	63650332	Chr10.52810	<i>Cttna3(-182732),Gm10118(+277192)</i>	N/A
Chr10	63839089	63839214	Chr10.52971	<i>Gm10118(+88282),Cttna3(+381642)</i>	N/A
Chr10	63978095	63978360	Chr10.53130	<i>Gm10118(-50794),Lrtm3(+112046)</i>	N/A
Chr10	64039886	64039992	Chr10.53189	<i>Gm10118(-112505),Lrtm3(+50335)</i>	N/A
Chr10	64076129	64076330	Chr10.53245	<i>Gm10118(-148796),Lrtm3(+14044)</i>	N/A
Chr10	64076511	64076880	Chr10.53249	<i>Gm10118(-149262),Lrtm3(+13578)</i>	N/A
Chr10	64083894	64084064	Chr10.53262	<i>Gm10118(-156545),Lrtm3(+6295)</i>	N/A
Chr10	64086009	64086227	Chr10.53270	<i>Gm10118(-158684),Lrtm3(+4156)</i>	N/A
Chr10	64087496	64087765	Chr10.53278	<i>Gm10118(-160197),Lrtm3(+2643)</i>	N/A
Chr10	64089679	64089916	Chr10.53287	<i>Lrtm3(+475)</i>	N/A
Chr10	64090073	64090434	Chr10.53288	<i>Lrtm3(-20)</i>	N/A
Chr10	64135651	64135874	Chr10.5335	<i>Lrtm3(-45469)</i>	N/A
Chr10	9052489	9052618	Chr10.5363	<i>Sash1(-206484),Gm9930(+443127)</i>	N/A
Chr10	9118280	9118415	Chr10.5389	<i>Sash1(-232278),Gm9930(+41733)</i>	N/A
Chr10	9119000	9119263	Chr10.5391	<i>Sash1(-233062),Gm9930(+416549)</i>	N/A
Chr10	9132706	9133011	Chr10.5413	<i>Sash1(-246789),Gm9930(+402822)</i>	N/A
Chr10	65876111	65876210	Chr10.54326	<i>None</i>	N/A
Chr10	9169031	9169369	Chr10.5467	<i>Sash1(-283130),Gm9930(+366481)</i>	N/A
Chr10	66481631	66481746	Chr10.54758	<i>Reep3(+615299)</i>	N/A
Chr10	66552309	66552553	Chr10.54832	<i>Reep3(+544557)</i>	N/A
Chr10	66607515	66607660	Chr10.54896	<i>Reep3(+489400)</i>	N/A
Chr10	66611442	66611700	Chr10.54899	<i>Reep3(+485417)</i>	N/A
Chr10	66641419	66641557	Chr10.54940	<i>Reep3(+455500)</i>	N/A
Chr10	66770537	66770811	Chr10.55017	<i>Reep3(+326314)</i>	N/A
Chr10	66807541	66807670	Chr10.55035	<i>Reep3(+289382)</i>	N/A
Chr10	66814488	66814610	Chr10.55039	<i>Reep3(+282439)</i>	N/A
Chr10	66826850	66827152	Chr10.55046	<i>Reep3(+269997)</i>	N/A
Chr10	66862553	66862508	Chr10.55069	<i>Reep3(+234557)</i>	N/A
Chr10	9219313	9219428	Chr10.5510	<i>Sash1(-333301),Gm9930(+316310)</i>	N/A
Chr10	66920472	66920693	Chr10.55109	<i>Reep3(+176405)</i>	N/A
Chr10	66921461	66921712	Chr10.55113	<i>Reep3(+175401)</i>	N/A
Chr10	66922571	66922686	Chr10.55124	<i>Reep3(+174359)</i>	N/A
Chr10	66935988	66936101	Chr10.55143	<i>Reep3(+160988)</i>	N/A
Chr10	66937846	66937987	Chr10.55149	<i>Reep3(+159071)</i>	N/A
Chr10	66943973	66944122	Chr10.55152	<i>Reep3(+152940)</i>	N/A
Chr10	66955748	66955907	Chr10.55160	<i>Reep3(+141160)</i>	N/A
Chr10	66960150	66960290	Chr10.55165	<i>Reep3(+136768)</i>	N/A
Chr10	66966490	66966643	Chr10.55171	<i>Reep3(+130421)</i>	N/A
Chr10	67008614	67008629	Chr10.55217	<i>Reep3(+89116)</i>	N/A
Chr10	67029449	67029668	Chr10.55245	<i>Reep3(+67429)</i>	N/A
Chr10	67045447	67045669	Chr10.55261	<i>Reep3(+51430)</i>	N/A
Chr10	67047644	67047769	Chr10.55268	<i>Reep3(+49281)</i>	N/A
Chr10	67047888	67048100	Chr10.55270	<i>Reep3(+48994)</i>	N/A
Chr10	67053417	67053616	Chr10.55275	<i>Reep3(+43470)</i>	N/A
Chr10	67056174	67056738	Chr10.55276	<i>Reep3(+40533)</i>	N/A
Chr10	67071848	67072011	Chr10.55291	<i>Reep3(+25058)</i>	N/A
Chr10	67085195	67085413	Chr10.55295	<i>Reep3(+11684)</i>	N/A
Chr10	67144360	67144481	Chr10.55315	<i>Jmyd1c(+17163),Nbf2(+140884)</i>	N/A
Chr10	67182656	67182859	Chr10.55328	<i>Jmyd1c(+55500),Nbf2(+102547)</i>	N/A
Chr10	67186449	67186462	Chr10.55329	<i>Jmyd1c(+58666),Nbf2(+99379)</i>	N/A
Chr10	9239071	9239081	Chr10.5533	<i>Sash1(-354006),Gm9930(+295605)</i>	N/A
Chr10	67196873	67197176	Chr10.55335	<i>Jmyd1c(+59767),Nbf2(+98280)</i>	N/A
Chr10	67187321	67187452	Chr10.55339	<i>Jmyd1c(+60129),Nbf2(+97918)</i>	N/A
Chr10	67187847	67188130	Chr10.55341	<i>Jmyd1c(+60731),Nbf2(+97316)</i>	N/A
Chr10	67193107	67193223	Chr10.55355	<i>Jmyd1c(+65907),Nbf2(+92140)</i>	N/A
Chr10	67198011	67198197	Chr10.55356	<i>Jmyd1c(-70841),Nbf2(+87206)</i>	N/A
Chr10	67210460	67210586	Chr10.55367	<i>Nbf2(-74782),Jmyd1c(+83265)</i>	N/A
Chr10	9242762	9243112	Chr10.5539	<i>Sash1(-356867),Gm9930(+292744)</i>	N/A
Chr10	67288203	67288349	Chr10.55516	<i>Nbf2(-2971)</i>	N/A
Chr10	67312516	67312666	Chr10.55519	<i>Egr2(-225278),Nbf2(-27286)</i>	N/A
Chr10	67320463	67320630	Chr10.55529	<i>Egr2(-217323),Nbf2(-35242)</i>	N/A
Chr10	67329746	67329897	Chr10.55561	<i>Egr2(-208047),Nbf2(-44517)</i>	N/A
Chr10	67335798	67335953	Chr10.55571	<i>Egr2(-201993),Nbf2(-50571)</i>	N/A
Chr10	67357994	67358164	Chr10.55588	<i>Egr2(-179790),Nbf2(-72774)</i>	N/A
Chr10	67372877	67373028	Chr10.55612	<i>Egr2(-164916),Nbf2(-87648)</i>	N/A
Chr10	67377594	67378075	Chr10.55622	<i>Egr2(-160034),Nbf2(-92530)</i>	N/A
Chr10	67397893	67398069	Chr10.55663	<i>Egr2(-139868),Nbf2(-112676)</i>	N/A
Chr10	67427284	67427412	Chr10.55705	<i>Nbf2(-142033),Egr2(-110531)</i>	N/A

Chr10	67439954	67440124	Chr10.55726	Nbf2(-154734), Egr2(-97830)	N/A
Chr10	67441342	67441455	Chr10.55738	Nbf2(-156094), Egr2(-96470)	N/A
Chr10	67466729	67466853	Chr10.55770	Nbf2(-181476), Egr2(-71089)	N/A
Chr10	67476369	67476534	Chr10.55797	Nbf2(-191147), Egr2(-51417)	N/A
Chr10	67503674	67503871	Chr10.55830	Nbf2(-218466), Egr2(-34096)	N/A
Chr10	67512355	67512522	Chr10.55835	Nbf2(-227134), Egr2(-25430)	N/A
Chr10	9272398	9272579	Chr10.5584	Sash1(-386419), Gm9930(+263192)	N/A
Chr10	67536923	67537031	Chr10.55866	Egr2(-892)	N/A
Chr10	67537130	67537298	Chr10.55866	Egr2(-655)	N/A
Chr10	67537339	67537534	Chr10.55870	Egr2(-432)	N/A
Chr10	67537733	67537986	Chr10.55873	Egr2(-9)	N/A
Chr10	67541320	67541422	Chr10.55911	Egr2(+3502), Ado(+7584)	N/A
Chr10	67541499	67541654	Chr10.55912	Egr2(+3708), Ado(+7378)	N/A
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Chr10	67573216	67573402	Chr10.55972	Gm10797(+1267), Zfp365(+339353)	N/A
Chr10	67573521	67574013	Chr10.55974	Gm10797(+1725), Zfp365(+338895)	N/A
Chr10	67607658	67607779	Chr10.56012	Gm10797(+35677), Zfp365(+304943)	N/A
Chr10	67607881	67608013	Chr10.56015	Gm10797(+35905), Zfp365(+304715)	N/A
Chr10	67646087	67646537	Chr10.56058	Gm10797(+74270), Zfp365(+266350)	N/A
Chr10	67646792	67646929	Chr10.56071	Gm10797(+74819), Zfp365(+263807)	N/A
Chr10	67647571	67647798	Chr10.56074	Gm10797(+75842), Zfp365(+264078)	N/A
Chr10	67703149	67703274	Chr10.56145	Gm10797(+131170), Zfp365(+209450)	N/A
Chr10	67742396	67742529	Chr10.56184	Zfp365(+170199), Gm10797(+170421)	N/A
Chr10	67747614	67748004	Chr10.56194	Zfp365(+164853), Gm10797(+175767)	N/A
Chr10	67748454	67748561	Chr10.56203	Zfp365(+164154), Gm10797(+176466)	N/A
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Chr10	67832332	67832457	Chr10.56298	Zfp365(+80267), Gm10797(+260353)	N/A
Chr10	67836400	67836685	Chr10.56307	Zfp365(+76119), Gm10797(+264501)	N/A
Chr10	67846525	67846660	Chr10.56318	Zfp365(+66069), Gm10797(+274551)	N/A
Chr10	67868689	67868704	Chr10.56373	Zfp365(+25715), Gm10797(+314905)	N/A
Chr10	67951542	67951703	Chr10.56467	Zfp365(-38961), Rtnk2(-27975)	N/A
Chr10	68003778	68003963	Chr10.56523	Rtnk2(-24273), Arid5b(+274859)	N/A
Chr10	68054219	68054421	Chr10.56609	Rtnk2(+74722), Arid5b(+224406)	N/A
Chr10	68060881	68061189	Chr10.56623	Rtnk2(+81437), Arid5b(+217691)	N/A
Chr10	68061243	68061523	Chr10.56625	Rtnk2(+81785), Arid5b(+217343)	N/A
Chr10	68093544	68093797	Chr10.56644	Rtnk2(+114073), Arid5b(+185055)	N/A
Chr10	68093831	68094087	Chr10.56645	Rtnk2(+114361), Arid5b(+184167)	N/A
Chr10	68103419	68103839	Chr10.56747	Rtnk2(+124031), Arid5b(+175097)	N/A
Chr10	68104001	68104439	Chr10.56754	Rtnk2(+124622), Arid5b(+174506)	N/A
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Chr10	68105936	68106235	Chr10.56767	Rtnk2(+126488), Arid5b(+172640)	N/A
Chr10	68106290	68106408	Chr10.56768	Rtnk2(+126751), Arid5b(+172377)	N/A
Chr10	68106665	68107008	Chr10.56770	Rtnk2(+127238), Arid5b(+171890)	N/A
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Chr10	68109808	68109933	Chr10.56776	Rtnk2(+130273), Arid5b(+168855)	N/A
Chr10	68109968	68110127	Chr10.56777	Rtnk2(+130450), Arid5b(+168678)	N/A
Chr10	68110295	68110491	Chr10.56779	Rtnk2(+130795), Arid5b(+168333)	N/A
Chr10	68110570	68110692	Chr10.56782	Rtnk2(+131033), Arid5b(+168935)	N/A
Chr10	68112435	68112685	Chr10.56784	Rtnk2(+132925), Arid5b(+166166)	N/A
Chr10	68113001	68113597	Chr10.56787	Rtnk2(+133701), Arid5b(+165427)	N/A
Chr10	68125690	68126617	Chr10.56818	Rtnk2(+146556), Arid5b(+152572)	N/A
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Chr10	68127601	68128030	Chr10.56828	Rtnk2(+148218), Arid5b(+150910)	N/A
Chr10	68128274	68128398	Chr10.56831	Rtnk2(+148737), Arid5b(+150391)	N/A
Chr10	68128457	68128566	Chr10.56833	Rtnk2(+148914), Arid5b(+150214)	N/A
Chr10	68129800	68129931	Chr10.56840	Arid5b(+148860), Rtnk2(+150268)	N/A
Chr10	68130115	68130300	Chr10.56844	Arid5b(+148518), Rtnk2(+150610)	N/A
Chr10	68136864	68136997	Chr10.56874	Arid5b(+141795), Rtnk2(+157333)	N/A
Chr10	68137168	68137387	Chr10.56877	Arid5b(+141448), Rtnk2(+157560)	N/A
Chr10	68140477	68140831	Chr10.56886	Arid5b(+138172), Rtnk2(+160956)	N/A
Chr10	68141010	68141250	Chr10.56891	Arid5b(+137596), Rtnk2(+161532)	N/A
Chr10	68142294	68142480	Chr10.56896	Arid5b(+136339), Rtnk2(+162789)	N/A
Chr10	68142675	68142675	Chr10.56897	Arid5b(+136103), Rtnk2(+163025)	N/A
Chr10	68143853	68144057	Chr10.56900	Arid5b(+134771), Rtnk2(+164357)	N/A
Chr10	68146687	68146937	Chr10.56906	Arid5b(+131924), Rtnk2(+167204)	N/A
Chr10	68147946	68148169	Chr10.56914	Arid5b(+130668), Rtnk2(+168400)	N/A
Chr10	68148287	68148412	Chr10.56916	Arid5b(+130376), Rtnk2(+168752)	N/A
Chr10	68148513	68148644	Chr10.56919	Arid5b(+130147), Rtnk2(+168981)	N/A
Chr10	68156728	68156914	Chr10.56934	Arid5b(+121905), Rtnk2(+177223)	N/A
Chr10	68158063	68158344	Chr10.56937	Arid5b(+120512), Rtnk2(+178616)	N/A
Chr10	68165094	68165210	Chr10.56952	Arid5b(+115571), Rtnk2(+185554)	N/A
Chr10	68165440	68165610	Chr10.56953	Arid5b(+113201), Rtnk2(+185927)	N/A
Chr10	68165645	68165756	Chr10.56954	Arid5b(+113025), Rtnk2(+186103)	N/A
Chr10	68165799	68165970	Chr10.56958	Arid5b(+112841), Rtnk2(+186287)	N/A
Chr10	68166411	68167294	Chr10.56960	Arid5b(+111873), Rtnk2(+187255)	N/A
Chr10	68167330	68167462	Chr10.56967	Arid5b(+111330), Rtnk2(+187798)	N/A
Chr10	68167717	68167952	Chr10.56970	Arid5b(+110891), Rtnk2(+188237)	N/A
Chr10	68168034	68168417	Chr10.56972	Arid5b(+110500), Rtnk2(+188628)	N/A
Chr10	68168615	68168742	Chr10.56975	Arid5b(+110047), Rtnk2(+189081)	N/A
Chr10	68168919	68169302	Chr10.56976	Arid5b(+109615), Rtnk2(+189513)	N/A
Chr10	68180090	68180236	Chr10.56989	Arid5b(+98562), Rtnk2(+200566)	N/A
Chr10	68184410	68184611	Chr10.57013	Arid5b(+94215), Rtnk2(+204913)	N/A
Chr10	68190565	68190713	Chr10.57035	Arid5b(+88087), Rtnk2(+211041)	N/A
Chr10	68191612	68192019	Chr10.57041	Arid5b(+86910), Rtnk2(+212218)	N/A
Chr10	68192112	68192782	Chr10.57046	Arid5b(+86279), Rtnk2(+212849)	N/A
Chr10	68192941	68193278	Chr10.57054	Arid5b(+85616), Rtnk2(+213512)	N/A
Chr10	68207935	68208649	Chr10.57085	Arid5b(+70434), Rtnk2(+226949)	N/A
Chr10	68208910	68209536	Chr10.57089	Arid5b(+69503), Rtnk2(+229625)	N/A
Chr10	68211655	68211786	Chr10.57101	Arid5b(+67005), Rtnk2(+232123)	N/A
Chr10	68212096	68212220	Chr10.57104	Arid5b(+66568), Rtnk2(+232560)	N/A
Chr10	68212411	68212938	Chr10.57105	Arid5b(+66051), Rtnk2(+233077)	N/A
Chr10	68212969	68213225	Chr10.57109	Arid5b(+65629), Rtnk2(+233499)	N/A
Chr10	68214475	68214579	Chr10.57115	Arid5b(+64199), Rtnk2(+234929)	N/A
Chr10	68218867	68219107	Chr10.57128	Arid5b(+59739), Rtnk2(+239389)	N/A
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Chr10	68248309	68248565	Chr10.57197	Arid5b(+30289), Rtnk2(+268839)	N/A
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Chr10	68257816	68258103	Chr10.57206	Arid5b(+20766), Rtnk2(+278362)	N/A
Chr10	68275065	68276028	Chr10.57239	Arid5b(+3179), Rtnk2(+295949)	N/A
Chr10	68276174	68276459	Chr10.57247	Arid5b(+2409), Rtnk2(+296719)	N/A
Chr10	68277658	68277871	Chr10.57248	Arid5b(+956)	N/A
Chr10	9376021	9376214	Chr10.5725	Sash1(-490048), Gm9930(+159563)	N/A
Chr10	68278234	68278363	Chr10.57250	Arid5b(+427)	N/A
Chr10	68278468	68278591	Chr10.57252	Arid5b(+196)	N/A
Chr10	68278657	68278918	Chr10.57253	Arid5b(-62)	N/A
Chr10	68278952	68279052	Chr10.57257	Arid5b(-276)	N/A
Chr10	68279123	68279762	Chr10.57258	Arid5b(-717)	N/A
Chr10	68279815	68279963	Chr10.57262	Arid5b(-1163)	N/A
Chr10	68280214	68281054	Chr10.57264	Arid5b(-1908)	N/A
Chr10	68281089	68281276	Chr10.57266	Arid5b(-2457)	N/A
Chr10	68281700	68282008	Chr10.57273	Arid5b(-3128)	N/A
Chr10	68282302	68282469	Chr10.57271	Arid5b(-3660)	N/A
Chr10	68282522	68282722	Chr10.57277	Arid5b(-3896)	N/A
Chr10	68283141	68283356	Chr10.57278	Arid5b(-4523)	N/A
Chr10	68318863	68319327	Chr10.57328	Arid5b(-40369), Cabococ(+222801)	N/A
Chr10	68319438	68319649	Chr10.57332	Arid5b(-40818), Cabococ(+222352)	N/A
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Chr10	68351682	68351816	Chr10.57361	Arid5b(-73023), Cabococ(+190147)	N/A
Chr10	68351943	68352156	Chr10.57366	Arid5b(-73324), Cabococ(+189846)	N/A
Chr10	68353932	68354134	Chr10.57375	Arid5b(-75307), Cabococ(+187863)	N/A
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Chr10	68356920	68356979	Chr10.57387	Arid5b(-77981), Cabococ(+185189)	N/A
Chr10	68357165	68357307	Chr10.57390	Arid5b(-78520), Cabococ(+184658)	N/A
Chr10	68396132	68396364	Chr10.57434	Arid5b(-117522), Cabococ(+145648)	N/A

Chr10	68396797	68396993	Chr10.57437	<i>Arid5b(-118169), Cabcooco1(+145001)</i>	N/A
Chr10	68405603	68405734	Chr10.57451	<i>Arid5b(-126943), Cabcooco1(+136227)</i>	N/A
Chr10	68406034	684060518	Chr10.57455	<i>Arid5b(-127550), Cabcooco1(+139620)</i>	N/A
Chr10	68434390	68434554	Chr10.57515	<i>Arid5b(-155746), Cabcooco1(+107424)</i>	N/A
Chr10	68435071	68435562	Chr10.57519	<i>Arid5b(-156591), Cabcooco1(+106579)</i>	N/A
Chr10	68440716	68440907	Chr10.57536	<i>Arid5b(-162086), Cabcooco1(+101084)</i>	N/A
Chr10	68441304	68441486	Chr10.57539	<i>Arid5b(-162669), Cabcooco1(+100501)</i>	N/A
Chr10	68441609	68441908	Chr10.57541	<i>Arid5b(-163033), Cabcooco1(+100137)</i>	N/A
Chr10	68441953	68442077	Chr10.57546	<i>Arid5b(-163289), Cabcooco1(+99981)</i>	N/A
Chr10	68442484	68442658	Chr10.57552	<i>Arid5b(-163845), Cabcooco1(+99329)</i>	N/A
Chr10	68442857	68443016	Chr10.57554	<i>Arid5b(-164211), Cabcooco1(+98959)</i>	N/A
Chr10	68443122	68443324	Chr10.57555	<i>Arid5b(-164497), Cabcooco1(+98673)</i>	N/A
Chr10	68443949	68444051	Chr10.57558	<i>Arid5b(-165274), Cabcooco1(+97896)</i>	N/A
Chr10	68445986	68446306	Chr10.57566	<i>Arid5b(-167420), Cabcooco1(+95750)</i>	N/A
Chr10	68456479	68456803	Chr10.57608	<i>Arid5b(-177819), Cabcooco1(+85355)</i>	N/A
Chr10	68490712	68490899	Chr10.57646	<i>Arid5b(-212080), Cabcooco1(+51090)</i>	N/A
Chr10	68491286	68491849	Chr10.57649	<i>Arid5b(-212842), Cabcooco1(+50328)</i>	N/A
Chr10	68511188	68511299	Chr10.57685	<i>Arid5b(-232518), Cabcooco1(+30652)</i>	N/A
Chr10	68540471	68540647	Chr10.57721	<i>Arid5b(-261833), Cabcooco1(+1337)</i>	N/A
Chr10	68550539	6855137	Chr10.57742	<i>Tmem26(-166708), Cabcooco1(-15142)</i>	N/A
Chr10	68557921	68558153	Chr10.57749	<i>Tmem26(-165709), Cabcooco1(-16141)</i>	N/A
Chr10	68558570	68558814	Chr10.57751	<i>Tmem26(-165054), Cabcooco1(-16796)</i>	N/A
Chr10	68558909	68559165	Chr10.57755	<i>Tmem26(-164709), Cabcooco1(-17141)</i>	N/A
Chr10	68559283	68559438	Chr10.57757	<i>Tmem26(-164385), Cabcooco1(-17465)</i>	N/A
Chr10	68559594	68559733	Chr10.57759	<i>Tmem26(-164082), Cabcooco1(-17768)</i>	N/A
Chr10	68569444	68569686	Chr10.57782	<i>Tmem26(-154911), Cabcooco1(-27559)</i>	N/A
Chr10	68583549	68583657	Chr10.57824	<i>Tmem26(-140143), Cabcooco1(-41707)</i>	N/A
Chr10	68589719	68590153	Chr10.57839	<i>Tmem26(-133810), Cabcooco1(-48040)</i>	N/A
Chr10	68600772	68607229	Chr10.57845	<i>Tmem26(-116745), Cabcooco1(-65105)</i>	N/A
Chr10	68623910	68624108	Chr10.57876	<i>Tmem26(-99737), Cabcooco1(-82113)</i>	N/A
Chr10	68625339	68625051	Chr10.57880	<i>Tmem26(-96301), Cabcooco1(-83549)</i>	N/A
Chr10	68623349	68629473	Chr10.57890	<i>Tmem26(-96335), Cabcooco1(-86519)</i>	N/A
Chr10	68628863	68629098	Chr10.57896	<i>Tmem26(-94765), Cabcooco1(-87085)</i>	N/A
Chr10	68672883	68673293	Chr10.57931	<i>Cabcooco1(-131192), Tmem26(-50658)</i>	N/A
Chr10	68707338	68707732	Chr10.57960	<i>Cabcooco1(-165639), Tmem26(-16211)</i>	N/A
Chr10	68781012	68781270	Chr10.58036	<i>Tmem26(+57395), A930033h14nk(+431957)</i>	N/A
Chr10	68795671	68796241	Chr10.58062	<i>Tmem26(+72312), A930033h14nk(+417040)</i>	N/A
Chr10	68806109	68806349	Chr10.58082	<i>Tmem26(+62483), A930033h14nk(+405869)</i>	N/A
Chr10	68818095	68818356	Chr10.58090	<i>Tmem26(+94480), A930033h14nk(+394872)</i>	N/A
Chr10	68842151	68842712	Chr10.58108	<i>Tmem26(+118686), A930033h14nk(+370666)</i>	N/A
Chr10	68856280	68856560	Chr10.58131	<i>Tmem26(+132674), A930033h14nk(+356678)</i>	N/A
Chr10	68863666	68863942	Chr10.58139	<i>Tmem26(+140058), A930033h14nk(+349294)</i>	N/A
Chr10	68864987	68864914	Chr10.58145	<i>Tmem26(+141060), A930033h14nk(+348292)</i>	N/A
Chr10	68865178	68865373	Chr10.58150	<i>Tmem26(+141530), A930033h14nk(+347822)</i>	N/A
Chr10	68866078	68866204	Chr10.58156	<i>Tmem26(+142395), A930033h14nk(+346957)</i>	N/A
Chr10	68868169	68868364	Chr10.58161	<i>Tmem26(+144521), A930033h14nk(+344831)</i>	N/A
Chr10	68868480	68868814	Chr10.58163	<i>Tmem26(+144901), A930033h14nk(+344451)</i>	N/A
Chr10	68869114	68869219	Chr10.58171	<i>Tmem26(+145421), A930033h14nk(+34331)</i>	N/A
Chr10	68893040	68893247	Chr10.58196	<i>Tmem26(+169398), A930033h14nk(+319954)</i>	N/A
Chr10	68900876	68900588	Chr10.58217	<i>Tmem26(+185486), A930033h14nk(+303866)</i>	N/A
Chr10	68909819	68909956	Chr10.58224	<i>Tmem26(+186142), A930033h14nk(+303210)</i>	N/A
Chr10	68926871	68927237	Chr10.58236	<i>Tmem26(+203308), A930033h14nk(+286044)</i>	N/A
Chr10	68970877	68970979	Chr10.58308	<i>A930033h14nk(+236170), Tmem26(+253182)</i>	N/A
Chr10	68987620	68988170	Chr10.58320	<i>A930033h14nk(+225203), Tmem26(+264149)</i>	N/A
Chr10	68992575	68993018	Chr10.58327	<i>A930033h14nk(+220301), Tmem26(+269051)</i>	N/A
Chr10	69009446	69009599	Chr10.58348	<i>A930033h14nk(+203575), Tmem26(+285777)</i>	N/A
Chr10	69044221	69044493	Chr10.58382	<i>A930033h14nk(+168741), Tmem26(+320611)</i>	N/A
Chr10	69044605	69044756	Chr10.58388	<i>A930033h14nk(+168417), Tmem26(+320935)</i>	N/A
Chr10	69045631	69045631	Chr10.58394	<i>A930033h14nk(+167534), Tmem26(+321818)</i>	N/A
Chr10	69046561	69046513	Chr10.58397	<i>A930033h14nk(+166916), Tmem26(+322436)</i>	N/A
Chr10	69106773	69107460	Chr10.58456	<i>A930033h14nk(+105981), Tmem26(+383371)</i>	N/A
Chr10	69156537	69156955	Chr10.58499	<i>A930033h14nk(+56352), Tmem26(+433000)</i>	N/A
Chr10	69187536	69187675	Chr10.58547	<i>A930033h14nk(+25492), Tmem26(+463860)</i>	N/A
Chr10	69190629	69190886	Chr10.58552	<i>A930033h14nk(+22350), Tmem26(+467002)</i>	N/A
Chr10	69220451	69220580	Chr10.58577	<i>Rhobtb1(+7322), Cdk1(+132422)</i>	N/A
Chr10	69248513	69248635	Chr10.58596	<i>Rhobtb1(+535380), Cdk1(+104364)</i>	N/A
Chr10	69261347	69261570	Chr10.58628	<i>Rhobtb1(+48265), Cdk1(+91479)</i>	N/A
Chr10	69263041	69263148	Chr10.58635	<i>Rhobtb1(+49901), Cdk1(+89843)</i>	N/A
Chr10	69263209	69263387	Chr10.58639	<i>Rhobtb1(+50104), Cdk1(+89640)</i>	N/A
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Chr10	69290305	69290510	Chr10.58745	<i>Cdk1(+62530), Rhobtb1(+77214)</i>	N/A
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Chr10	69321336	69321458	Chr10.58771	<i>Cdk1(+31541), Rhobtb1(+108203)</i>	N/A
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Chr10	69397098	69396968	Chr10.588	<i>Akap12(-269446), Mthfr1(+23752)</i>	N/A
Chr10	69527063	69527177	Chr10.58880	<i>Cdk1(-174182), Ank3(-6652)</i>	N/A
Chr10	69527300	69527421	Chr10.58884	<i>Cdk1(-174423), Ank3(-6411)</i>	N/A
Chr10	69533538	69533714	Chr10.58897	<i>Ank3(-146)</i>	N/A
Chr10	69534044	69534321	Chr10.58902	<i>Ank3(+411)</i>	N/A
Chr10	69534385	69534797	Chr10.58903	<i>Ank3(+819)</i>	N/A
Chr10	69534594	69535869	Chr10.58915	<i>Ccdc6(-561439), Ank3(+1910)</i>	N/A
Chr10	69570087	69570218	Chr10.58951	<i>Ccdc6(-526968), Ank3(+36381)</i>	N/A
Chr10	69571345	69571563	Chr10.58953	<i>Ccdc6(-526667), Ank3(+37682)</i>	N/A
Chr10	69576397	69576579	Chr10.58967	<i>Ccdc6(-520633), Ank3(+42716)</i>	N/A
Chr10	69577159	69577319	Chr10.58968	<i>Ccdc6(-519882), Ank3(+43467)</i>	N/A
Chr10	69579671	69579808	Chr10.58975	<i>Ccdc6(-517381), Ank3(+45968)</i>	N/A
Chr10	69584247	69584510	Chr10.58977	<i>Ccdc6(-512742), Ank3(+50607)</i>	N/A
Chr10	69594593	69594749	Chr10.58991	<i>Ccdc6(-502450), Ank3(+60899)</i>	N/A
Chr10	9462406	9462587	Chr10.5901	<i>Sash1(-576427), Gm9930(+73184)</i>	N/A
Chr10	69620799	69620920	Chr10.59012	<i>Ccdc6(-476261), Ank3(+87088)</i>	N/A
Chr10	69649988	69650221	Chr10.59034	<i>Ccdc6(-447018), Ank3(+116333)</i>	N/A
Chr10	69705935	69706274	Chr10.59065	<i>Ccdc6(-391016), Ank3(+172333)</i>	N/A
Chr10	69706346	69706768	Chr10.59072	<i>Ccdc6(-390564), Ank3(+172785)</i>	N/A
Chr10	69706803	69706977	Chr10.59078	<i>Ccdc6(-390231), Ank3(+173118)</i>	N/A
Chr10	69707278	69707386	Chr10.59086	<i>Ccdc6(-389789), Ank3(+173560)</i>	N/A
Chr10	69720382	69720500	Chr10.59106	<i>Ccdc6(-376880), Ank3(+186669)</i>	N/A
Chr10	69730717	69730818	Chr10.59118	<i>Ccdc6(-366353), Ank3(+196969)</i>	N/A
Chr10	69744364	69744513	Chr10.59135	<i>Ccdc6(-352682), Ank3(+210667)</i>	N/A
Chr10	69785255	69785433	Chr10.59166	<i>Ccdc6(-311777), Ank3(+251572)</i>	N/A
Chr10	69785549	69785683	Chr10.59169	<i>Ccdc6(-311505), Ank3(+251844)</i>	N/A
Chr10	69787247	69787441	Chr10.59174	<i>Ccdc6(-309777), Ank3(+253572)</i>	N/A
Chr10	69787518	69787623	Chr10.59177	<i>Ccdc6(-309550), Ank3(+253799)</i>	N/A
Chr10	69792425	69792595	Chr10.59183	<i>Ccdc6(-304611), Ank3(+258738)</i>	N/A
Chr10	69796480	69796579	Chr10.59187	<i>Ccdc6(-300591), Ank3(+262758)</i>	N/A
Chr10	69804859	69805022	Chr10.59192	<i>Ccdc6(-292180), Ank3(+271169)</i>	N/A
Chr10	69872401	69872531	Chr10.59253	<i>Ccdc6(-224655), Ank3(+338694)</i>	N/A
Chr10	69925721	69925886	Chr10.59312	<i>Ccdc6(-171317), Ank3(+392032)</i>	N/A
Chr10	69926025	69926145	Chr10.59315	<i>Ccdc6(-171036), Ank3(+392313)</i>	N/A
Chr10	69928489	69928704	Chr10.59334	<i>Ccdc6(-165234), Ank3(+394825)</i>	N/A
Chr10	69956661	69956792	Chr10.59382	<i>Ccdc6(-140394), Ank3(+422955)</i>	N/A
Chr10	70081059	70081217	Chr10.59645	<i>Ccdc6(-15983), Ank3(+547366)</i>	N/A
Chr10	70094680	70094976	Chr10.59648	<i>Ccdc6(-2293)</i>	N/A
Chr10	70095076	70095175	Chr10.59652	<i>Ccdc6(-1995)</i>	N/A
Chr10	70095206	70095348	Chr10.59655	<i>Ccdc6(-1844)</i>	N/A
Chr10	70095556	70096114	Chr10.59661	<i>Ccdc6(-1086)</i>	N/A
Chr10	70098389	70098570	Chr10.59670	<i>Mtn(-106204), Ccdc6(+1359)</i>	N/A
Chr10	70189277	70189536	Chr10.59731	<i>Mtn(-15277), Ccdc6(+92286)</i>	N/A
Chr10	70204569	70204765	Chr10.59777	<i>Mtn(-17)</i>	N/A
Chr10	70205551	70205798	Chr10.598	<i>Akap12(-26054), Mthfr1(+32544)</i>	N/A
Chr10	70207068	70207172	Chr10.59861	<i>Fam13c(+143806), Slc16a9(+52020)</i>	N/A
Chr10	70328267	70328413	Chr10.59879	<i>Fam13c(-112586), Slc16a9(+83240)</i>	N/A
Chr10	9503731	9503882	Chr10.5990	<i>Sash1(-617737), Gm9930(+31874)</i>	N/A
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Chr10	70419421	70419613	Chr10.59931	<i>Fam13c(-21409), Slc16a9(+174417)</i>	N/A
Chr10	70419692	70419863	Chr10.59933	<i>Fam13c(-21148), Slc16a9(+174678)</i>	N/A
Chr10	70440798	70441111	Chr10.59950	<i>Fam13c(+29)</i>	N/A
Chr10	70441453	70441657	Chr10.59953	<i>Fam13c(+629)</i>	N/A
Chr10	9509132	9509382	Chr10.5998	<i>Sash1(-623187), Gm9930(+26424)</i>	N/A
Chr10	70484745	70484976	Chr10.59997	<i>Fam13c(+43935), Phylip1(+114430)</i>	N/A
Chr10	70519859	70520078	Chr10.60025	<i>Fam13c(+79093), Phylip1(+79272)</i>	N/A
Chr10	70520288	70520437	Chr10.60027	<i>Phylip1(+78928), Fam13c(+79437)</i>	N/A
Chr10	9509864	9510046	Chr10.6003	<i>Sash1(-623885), Gm9930(+25726)</i>	N/A
Chr10	70520473	70520605	Chr10.60030	<i>Phylip1(+78752), Fam13c(+79613)</i>	N/A
Chr10	70594184	70594295	Chr10.60106	<i>Phylip1(+5051), Fam13c(+153314)</i>	N/A
Chr10	70639394	70639515	Chr10.60158	<i>A93033h18nk(-229214), Phylip1(-40164)</i>	N/A
Chr10	70686622	70686815	Chr10.60207	<i>A93033h18nk(-191950), Phylip1(-87426)</i>	N/A
Chr10	70717069	70717428	Chr10.60242	<i>A93033h18nk(-151420), Phylip1(-17958)</i>	N/A

Chr10	70760447	70760555	Chr10.60287	Phyhlpl(-161210),4930533k18rk(-108168)	N/A
Chr10	70806818	70807223	Chr10.60328	Phyhlpl(-207730),4930533k18rk(-61648)	N/A
Chr10	9533374	9533394	Chr10.6033	Sash1(-647414),Gm9930(+2197)	N/A
Chr10	70814757	70814970	Chr10.60348	Phyhlpl(-215573),4930533k18rk(-53805)	N/A
Chr10	70815262	70815369	Chr10.60357	Phyhlpl(-216025),4930533k18rk(-53353)	N/A
Chr10	70852188	70852322	Chr10.60395	Phyhlpl(-252964),4930533k18rk(-16414)	N/A
Chr10	70919118	70919222	Chr10.60441	4930533k18rk(+50501),Bicc1(+240530)	N/A
Chr10	70932373	70932572	Chr10.60489	4930533k18rk(+63804),Bicc1(+227227)	N/A
Chr10	70939666	70939769	Chr10.60495	4930533k18rk(+71049),Bicc1(+219982)	N/A
Chr10	70940183	70940183	Chr10.60498	4930533k18rk(+71420),Bicc1(+219611)	N/A
Chr10	9545637	9545747	Chr10.6051	Gm9930(-10011),Samd5(+129516)	N/A
Chr10	70949539	70949727	Chr10.60528	4930533k18rk(+80964),Bicc1(+210067)	N/A
Chr10	70983614	70983829	Chr10.60574	4930533k18rk(+115053),Bicc1(+175978)	N/A
Chr10	71003175	71003278	Chr10.60597	4930533k18rk(+134558),Bicc1(+156473)	N/A
Chr10	71003529	71003732	Chr10.60601	4930533k18rk(+134962),Bicc1(+156069)	N/A
Chr10	71035275	71035516	Chr10.60638	Bicc1(+124304),4930533k18rk(-166727)	N/A
Chr10	71052680	71052785	Chr10.60644	Bicc1(+106967),4930533k18rk(-184064)	N/A
Chr10	71058937	71059141	Chr10.60648	Bicc1(+100661),4930533k18rk(-190370)	N/A
Chr10	71084136	71084514	Chr10.60674	Bicc1(+75375),4930533k18rk(+215656)	N/A
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Chr10	71092480	71092761	Chr10.60686	Bicc1(+67078),4930533k18rk(+223952)	N/A
Chr10	71094987	71095100	Chr10.60691	Bicc1(+64656),4930533k18rk(+226375)	N/A
Chr10	71114293	71114705	Chr10.60698	Bicc1(+45201),4930533k18rk(+245830)	N/A
Chr10	71118800	71119051	Chr10.60704	Bicc1(+40774),4930533k18rk(+250527)	N/A
Chr10	71120537	71120768	Chr10.60709	Bicc1(+39049),4930533k18rk(+251982)	N/A
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Chr10	71183398	71183510	Chr10.60774	Bicc1(-23754),Tfam(+54826)	N/A
Chr10	71185231	71185385	Chr10.60778	Bicc1(-25608),Tfam(+52972)	N/A
Chr10	71192359	71192375	Chr10.60781	Bicc1(-33647),Tfam(+44933)	N/A
Chr10	71197382	71197567	Chr10.60793	Bicc1(-37775),Tfam(+40805)	N/A
Chr10	71209825	71209977	Chr10.60804	Bicc1(-50201),Tfam(+28379)	N/A
Chr10	71219631	71219972	Chr10.60812	Bicc1(-60102),Tfam(+18478)	N/A
Chr10	71273040	71273319	Chr10.60871	Tfam(-34900),Ube2d1(+12082)	N/A
Chr10	71273748	71273861	Chr10.60877	Tfam(-35525),Ube2d1(+11457)	N/A
Chr10	71284321	71284471	Chr10.60880	Ube2d1(+886)	N/A
Chr10	71284568	71284730	Chr10.60889	Ube2d1(+613)	N/A
Chr10	9582253	9582431	Chr10.6115	Gm9930(-46681),Samd5(+92866)	N/A
Chr10	73821763	73821947	Chr10.61353	Pcdh15(-28)	N/A
Chr10	73826572	73826733	Chr10.61371	Pcdh15(+4770)	N/A
Chr10	74269947	74270112	Chr10.61509	Gnaz(-697147),Pcdh15(+448147)	N/A
Chr10	74356177	74356348	Chr10.61564	Gnaz(-610814),Pcdh15(+534380)	N/A
Chr10	74365141	74365304	Chr10.61575	Gnaz(-601954),Pcdh15(+543340)	N/A
Chr10	74415920	74416020	Chr10.61609	Gnaz(-551207),Pcdh15(+594087)	N/A
Chr10	74975631	74975810	Chr10.61845	Gnaz(+8544),Raspl1(+56865)	N/A
Chr10	74949492	74995104	Chr10.61872	Gnaz(+27871),Raspl1(+37538)	N/A
Chr10	9550227	9550429	Chr10.6202	Gm9930(-114647),Samd5(+24880)	N/A
Chr10	75422085	75422238	Chr10.62351	Upb1(+15251),Gucd1(+95219)	N/A
Chr10	75438424	75438580	Chr10.62401	Upb1(+31591),Gucd1(+78879)	N/A
Chr10	75517921	75518060	Chr10.62435	Gucd1(-610),Snrpd3(-51)	N/A
Chr10	75561138	75566254	Chr10.62475	Lrrc75b(+4134),Snrpd3(+38154)	N/A
Chr10	75556300	75556453	Chr10.62476	Lrrc75b(+3953),Snrpd3(+38335)	N/A
Chr10	75558753	75558870	Chr10.62480	Lrrc75b(+1518),Snrpd3(+40770)	N/A
Chr10	4025277	4025552	Chr10.625	Akap12(-240914),Mthld1(+52284)	N/A
Chr10	75709489	75709639	Chr10.62866	Susd2(-65556),Cabin1(+54793)	N/A
Chr10	75899195	75899340	Chr10.63178	Der3(+5870),Smcarb1(+22349)	N/A
Chr10	75916386	75916499	Chr10.63212	Smcarb1(+5174),Der3(+23045)	N/A
Chr10	75917138	75917327	Chr10.63219	Smcarb1(+4384),Der3(-23635)	N/A
Chr10	76440792	76440947	Chr10.63991	Upb2(-55610),Pon1(+2042)	N/A
Chr10	76642966	76643074	Chr10.64612	Col6a2(-19390),Col6a1(+83148)	N/A
Chr10	76822878	76822996	Chr10.64783	Col6a1(-96769),Pcbp3(+138851)	N/A
Chr10	76902755	76902932	Chr10.64790	Col6a1(-176676),Pcbp3(+58944)	N/A
Chr10	76906186	76906483	Chr10.64792	Col6a1(-180167),Pcbp3(+55453)	N/A
Chr10	76963914	76964028	Chr10.64806	Pcbp3(-2182)	N/A
Chr10	77634604	77634762	Chr10.65328	Ube2g5(+12408),Gm19402(+56074)	N/A
Chr10	78185420	78185526	Chr10.66043	Pwp2(-324)	N/A
Chr10	78273538	78273662	Chr10.66186	Trappc10(-28958),Agpat3(+78842)	N/A
Chr10	78484142	78484252	Chr10.66248	Pdxk(-19222),Gm9978(+3645)	N/A
Chr10	78487869	78488034	Chr10.66272	Gm9978(-10)	N/A
Chr10	78489339	78489533	Chr10.66276	Gm9978(-1594)	N/A
Chr10	78775969	78776091	Chr10.66546	Sic1a6(-4466)	N/A
Chr10	79854576	79854727	Chr10.67299	Ptbp1(+225)	N/A
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Chr10	80054510	80054610	Chr10.68324	Gpx4(+523)	N/A
Chr10	80054696	80054846	Chr10.68326	Gpx4(+734)	N/A
Chr10	80054965	80055125	Chr10.68330	Gpx4(+1008),Sbno2(-47653)	N/A
Chr10	80075411	80075538	Chr10.68493	Gpx4(+21438),Sbno2(+27223)	N/A
Chr10	80170943	80171116	Chr10.68652	1600002k03rk(-1914)	N/A
Chr10	80171570	80171689	Chr10.68654	1600002k03rk(-1314)	N/A
Chr10	80171872	80172043	Chr10.68655	1600002k03rk(-986)	N/A
Chr10	80194792	80194872	Chr10.68662	Pwpp3a(-31633),Efna2(+15319)	N/A
Chr10	80229633	80229877	Chr10.68694	Idufs7(-19366),Pwpp3a(-3321)	N/A
Chr10	80279001	80279172	Chr10.68806	Rps15(-13366),Dazap1(+14013)	N/A
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Chr10	80299013	80299135	Chr10.68857	Apc2(-2746)	N/A
Chr10	80385831	80385951	Chr10.69289	Mex3d(-1760),Pik5(+29432)	N/A
Chr10	80665335	80665444	Chr10.69626	Btb2(-8319),Mknk2(+6586)	N/A
Chr10	80674639	80674739	Chr10.69664	Mknk2(-2713)	N/A
Chr10	80792103	80792313	Chr10.70218	Sf3a2(-5990),Dott1(+37002)	N/A
Chr10	80792558	80792780	Chr10.70219	Sf3a2(-5529),Dott1(+37463)	N/A
Chr10	80901375	80901474	Chr10.70558	Tmm13(-458)	N/A
Chr10	80937815	80937954	Chr10.70652	Gad45b(+7794),Gng7(+63480)	N/A
Chr10	81176587	81176734	Chr10.70984	Eef2(+30)	N/A
Chr10	11061730	11061886	Chr10.71137	Gm1(-20548),Gm10944(+380460)	N/A
Chr10	81350477	81350715	Chr10.71745	Hmg20b(-172)	N/A
Chr10	81390412	81390590	Chr10.71929	Smin24(-2550)	N/A
Chr10	81462158	81462318	Chr10.71981	Mli(-35065),Celf5(+20471)	N/A
Chr10	81571657	81571858	Chr10.72209	Tle2(-3774)	N/A
Chr10	81644972	81645148	Chr10.72388	Gm10778(-16938),Ankrd24(+16425)	N/A
Chr10	82740760	82741016	Chr10.72552	Nlyb(+23256),Hcf2(+41881)	N/A
Chr10	82762898	82763068	Chr10.72584	Nlyb(+1165),Hcf2(+63972)	N/A
Chr10	82872929	82873068	Chr10.72623	Gm479b(-81345),Tnfrsf1(+13793)	N/A
Chr10	82987415	82987545	Chr10.72719	Chst11(+1982),Sic41a2(+350402)	N/A
Chr10	83036249	83036350	Chr10.72745	Chst11(+50802),Sic41a2(+301582)	N/A
Chr10	83042537	83042640	Chr10.72753	Chst11(+57091),Sic41a2(+295293)	N/A
Chr10	83059664	83057127	Chr10.72760	Chst11(+71548),Sic41a2(+280836)	N/A
Chr10	83060473	83060600	Chr10.72763	Chst11(+75039),Sic41a2(+277345)	N/A
Chr10	83062450	83062592	Chr10.72767	Chst11(+77023),Sic41a2(+275361)	N/A
Chr10	83075680	83075834	Chr10.72774	Chst11(+90259),Sic41a2(+282125)	N/A
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Chr10	83095338	83095498	Chr10.72793	Chst11(+109920),Sic41a2(+242464)	N/A
Chr10	83095550	83095726	Chr10.72797	Chst11(+110140),Sic41a2(+242244)	N/A
Chr10	83097762	83097973	Chr10.72803	Chst11(+112370),Sic41a2(+240014)	N/A
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Chr10	83329597	83329759	Chr10.72986	Sic41a2(+8204),Chst11(+344180)	N/A
Chr10	83637481	83637606	Chr10.73225	App2(-11194),Washc4(+93603)	N/A
Chr10	83711984	83712088	Chr10.73250	App2(-33298),150000916rk(-10829)	N/A
Chr10	83726361	83726467	Chr10.73259	150000916rk(+3549),Nuak1(-714183)	N/A
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Chr10	83836688	83836889	Chr10.73322	150000916rk(+113924),Nuak1(+603808)	N/A
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Chr10	83882793	83882944	Chr10.73365	150000916rk(+160004),Nuak1(+557728)	N/A
Chr10	83882984	83883089	Chr10.73369	150000916rk(+160172),Nuak1(+557560)	N/A
Chr10	83889503	83889732	Chr10.73373	150000916rk(+167553),Nuak1(+551979)	N/A
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Chr10	83964760	83964948	Chr10.73458	150000916rik(+241989),Nuak1(+475743)	N/A
Chr10	83974397	83974565	Chr10.73469	150000916rik(+251616),Nuak1(+466158)	N/A
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Chr10	84388414	84388733	Chr10.73867	Nuak1(+52023),150000916rik(+665709)	N/A
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Chr10	84424528	84424636	Chr10.73967	Nuak1(+16015),150000916rik(+701171)	N/A
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Chr10	84657431	84658315	Chr10.74250	Rfx4(+98189),Polr3b(+35436)	N/A
Chr10	84658501	84658646	Chr10.74256	Rfx4(+97489),Polr3b(+36137)	N/A
Chr10	84658890	84658790	Chr10.74253	Rfx4(+97327),Polr3b(+36239)	N/A
Chr10	84678530	84678685	Chr10.74277	Rfx4(+77454),Polr3b(+56171)	N/A
Chr10	84685473	84685765	Chr10.74290	Rfx4(+70443),Polr3b(+63182)	N/A
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Chr10	84722734	84723027	Chr10.74389	Rfx4(+33181),Polr3b(+100444)	N/A
Chr10	84733791	84734118	Chr10.74408	Rfx4(+22107),Polr3b(+111518)	N/A
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Chr10	84860109	84860252	Chr10.74526	RicBb(+57435),Rfx4(+104119)	N/A
Chr10	84870211	84870450	Chr10.74541	RicBb(+47285),Rfx4(+114269)	N/A
Chr10	84871381	84871605	Chr10.74549	RicBb(+46123),Rfx4(+115431)	N/A
Chr10	84871701	84871825	Chr10.74551	RicBb(+45853),Rfx4(+115701)	N/A
Chr10	84886243	84886460	Chr10.74563	RicBb(+31264),Rfx4(+130290)	N/A
Chr10	84903786	84903921	Chr10.74596	RicBb(+13762),Rfx4(+147792)	N/A
Chr10	84909489	84909590	Chr10.74632	RicBb(+8076),Rfx4(+153478)	N/A
Chr10	84909654	84909884	Chr10.74634	RicBb(+7847),Rfx4(+153707)	N/A
Chr10	84917259	84917359	Chr10.74657	RicBb(+307)	N/A
Chr10	84960648	84960791	Chr10.74704	RicBb(+43104),Fhl4(+14175)	N/A
Chr10	84967757	84968220	Chr10.74705	RicBb(+50373),Fhl4(+134506)	N/A
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Chr10	85044181	85044403	Chr10.74814	Fhl4(+58203),RicBb(+126676)	N/A
Chr10	85044634	85044839	Chr10.74817	Fhl4(+57758),RicBb(+127121)	N/A
Chr10	85103709	85103814	Chr10.74824	Fhl4(+1267),Tmem263(+1135)	N/A
Chr10	85184792	85184891	Chr10.74943	Cry1(+212)	N/A
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Chr10	85338881	85338981	Chr10.75063	Btbd1(+147883),Gm8394(+25443)	N/A
Chr10	85390532	85390706	Chr10.75088	Pwp1(+481212),Btbd1(+3805)	N/A
Chr10	85464056	85464190	Chr10.75121	Pwp1(+407708),Btbd1(+77309)	N/A
Chr10	85464252	85464418	Chr10.75125	Pwp1(+407496),Btbd1(+77521)	N/A
Chr10	85474026	85474191	Chr10.75141	Pwp1(+397722),Btbd1(+87295)	N/A
Chr10	85482175	85482275	Chr10.75152	Pwp1(+398066),Btbd1(+85417)	N/A
Chr10	85500612	85500787	Chr10.75168	Pwp1(+371131),Btbd1(+113886)	N/A
Chr10	85915622	85915727	Chr10.75404	Pdm4(+1270),Pwp1(+43844)	N/A
Chr10	85927844	85928076	Chr10.75416	Asc4(+531)	N/A
Chr10	85928105	85928226	Chr10.75418	Asc4(+325)	N/A
Chr10	86032848	86032956	Chr10.75565	Temp3(+267470),Fbxo7(+10930)	N/A
Chr10	86069556	86069681	Chr10.75649	Temp3(+230753),Fbxo7(+47647)	N/A
Chr10	86139474	86139588	Chr10.75683	Temp3(+160841),Fbxo7(+117559)	N/A
Chr10	86149574	86149692	Chr10.75690	Temp3(+150739),Fbxo7(+127661)	N/A
Chr10	86154799	86154995	Chr10.75696	Temp3(+145475),Fbxo7(+132925)	N/A
Chr10	86158396	86158578	Chr10.75701	Temp3(+141885),Fbxo7(+136515)	N/A
Chr10	86163320	86163438	Chr10.75720	Temp3(+168993),Fbxo7(+161407)	N/A
Chr10	86193988	86194147	Chr10.75723	Temp3(+106304),Fbxo7(+172096)	N/A
Chr10	86270521	86270637	Chr10.75779	Temp3(+29793),Fbxo7(+248607)	N/A
Chr10	86273667	86273768	Chr10.75783	Temp3(+26654),Fbxo7(+251746)	N/A
Chr10	86290253	86290380	Chr10.75792	Temp3(+10055),Fbxo7(+268345)	N/A
Chr10	86295810	86295937	Chr10.75800	Temp3(+4498)	N/A
Chr10	86298439	86298547	Chr10.75810	Temp3(+1879)	N/A
Chr10	86303182	86303314	Chr10.75825	Temp3(+2876),Syn3(+195608)	N/A
Chr10	86313562	86313752	Chr10.75834	Temp3(+13285),Syn3(+185199)	N/A
Chr10	86315366	86315482	Chr10.75840	Temp3(+15052),Syn3(+183432)	N/A
Chr10	86321367	86321508	Chr10.75851	Temp3(+2106),Syn3(+177418)	N/A
Chr10	86329337	86329605	Chr10.75870	Temp3(+29049),Syn3(+189436)	N/A
Chr10	86331800	86332002	Chr10.75872	Temp3(+31574),Syn3(+166910)	N/A
Chr10	86339774	86339901	Chr10.75882	Temp3(+39466),Syn3(+159018)	N/A
Chr10	86365687	86365847	Chr10.75930	Temp3(+45395),Syn3(+133089)	N/A
Chr10	86375977	86376235	Chr10.75940	Temp3(+75734),Syn3(+122750)	N/A
Chr10	86389965	86390143	Chr10.75949	Temp3(+89862),Syn3(+108802)	N/A
Chr10	86419165	86419313	Chr10.75961	Syn3(+79617),Temp3(+118867)	N/A
Chr10	86425643	86425780	Chr10.75969	Syn3(+73144),Temp3(+125340)	N/A
Chr10	86425810	86425944	Chr10.75973	Syn3(+72979),Temp3(+125505)	N/A
Chr10	86425988	86426112	Chr10.75975	Syn3(+72806),Temp3(+125678)	N/A
Chr10	86452770	86453079	Chr10.76006	Syn3(+45931),Temp3(+152553)	N/A
Chr10	86457230	86457448	Chr10.76016	Syn3(+45157),Temp3(+156697)	N/A
Chr10	86658687	86660003	Chr10.76040	Hsp90b(+19564),Gm571(+30006)	N/A
Chr10	86705453	86705870	Chr10.76102	Hsp90b(+1153),Tlc4(+149)	N/A
Chr10	4125213	4125328	Chr10.763	Akap12(+141058),Mthd11(+152140)	N/A
Chr10	4125360	4125566	Chr10.765	Akap12(+140871),Mthd11(+152327)	N/A
Chr10	87016362	87016475	Chr10.76643	1700113n08nk(+41627),Slab2(+6394)	N/A
Chr10	87036342	87036556	Chr10.76651	Slab2(+39424),1700113n08nk(+1597)	N/A
Chr10	87059772	87059893	Chr10.76678	Gm10764(+23000),1700113n08nk(+1787)	N/A

Chr10	87101492	87101965	Chr10.76706	Gm10764(-189004),1700113h0Bnk(+43683)	N/A
Chr10	87102027	87102210	Chr10.76712	Gm10764(-188614),1700113h0Bnk(+44073)	N/A
Chr10	87102343	87102343	Chr10.76718	Gm10764(-188034),1700113h0Bnk(+44653)	N/A
Chr10	87112362	87172691	Chr10.76785	Gm10764(+118206),1700113h0Bnk(+14481)	N/A
Chr10	87230379	87230696	Chr10.76830	Gm10764(-60195),1700113h0Bnk(+172492)	N/A
Chr10	87309666	87309950	Chr10.76907	Gm10764(+19075),Asc1(+183852)	N/A
Chr10	12035218	12035416	Chr10.7694	Gm9797(+26060),Utrn(+826418)	N/A
Chr10	87349278	87349387	Chr10.76969	Gm10764(+58600),Asc1(+144327)	N/A
Chr10	87351845	87351845	Chr10.76973	Gm10764(+60936),Asc1(+141991)	N/A
Chr10	87351894	87352050	Chr10.76976	Gm10764(+51339),Asc1(+141688)	N/A
Chr10	87399433	87399651	Chr10.77008	Asc1(+94118),Gm10764(+108809)	N/A
Chr10	87419591	87419722	Chr10.77011	Asc1(+74003),Gm10764(+128924)	N/A
Chr10	87419909	87420148	Chr10.77012	Asc1(+73631),Gm10764(+129296)	N/A
Chr10	87484912	87485131	Chr10.77069	Asc1(+8638),Gm10764(+194289)	N/A
Chr10	87485208	87485359	Chr10.77072	Asc1(+8376),Gm10764(+194551)	N/A
Chr10	87486393	87486606	Chr10.77076	Asc1(+7160),Gm10764(+195767)	N/A
Chr10	87489492	87489666	Chr10.77085	Asc1(+4081),Gm10764(+198846)	N/A
Chr10	87489809	87490057	Chr10.77088	Asc1(+3727),Gm10764(+199200)	N/A
Chr10	87493586	87493743	Chr10.77110	Asc1(-5)	N/A
Chr10	87494763	87494944	Chr10.77113	Asc1(-194)	N/A
Chr10	87541058	87541214	Chr10.77152	Igf1(-318894),Pah(+19341)	N/A
Chr10	87605668	87605878	Chr10.77237	Igf1(-254257),Pah(+83978)	N/A
Chr10	87652331	87652763	Chr10.77272	Igf1(-207483),Pah(+130752)	N/A
Chr10	87666431	87666676	Chr10.77284	Igf1(-193476),Pah(+144759)	N/A
Chr10	87666712	87667000	Chr10.77288	Igf1(-193174),Pah(+145061)	N/A
Chr10	87667474	87667872	Chr10.77292	Igf1(-192357),Pah(+145878)	N/A
Chr10	87676776	87677002	Chr10.77311	Igf1(-183141),Pah(+155094)	N/A
Chr10	87698696	87698904	Chr10.77318	Igf1(-161230),Pah(+177005)	N/A
Chr10	87740339	87740491	Chr10.77378	Igf1(-119615),Pah(+218620)	N/A
Chr10	87740557	87740670	Chr10.77381	Igf1(-119416),Pah(+218819)	N/A
Chr10	87743059	87743164	Chr10.77384	Igf1(-16918),Pah(+221317)	N/A
Chr10	87750503	87750680	Chr10.77396	Igf1(-106438),Pah(+228977)	N/A
Chr10	87752365	87752596	Chr10.77406	Igf1(-107549),Pah(+230686)	N/A
Chr10	87762046	87762263	Chr10.77416	Igf1(-97875),Pah(+240360)	N/A
Chr10	87788485	87788647	Chr10.77438	Igf1(-71464),Pah(+266771)	N/A
Chr10	87803991	87804139	Chr10.77454	Igf1(-55965),Pah(+282270)	N/A
Chr10	87812428	87812571	Chr10.77467	Igf1(-47530),Pah(+290708)	N/A
Chr10	87848535	87848771	Chr10.77504	Igf1(-11377),Pah(+326858)	N/A
Chr10	87855003	87855156	Chr10.77511	Igf1(-4950)	N/A
Chr10	87855918	87856052	Chr10.77514	Igf1(-4045)	N/A
Chr10	87856347	87856565	Chr10.77518	Igf1(-3574)	N/A
Chr10	87858021	87858272	Chr10.77520	Igf1(-1853)	N/A
Chr10	87858501	87858632	Chr10.77527	Igf1(-1453)	N/A
Chr10	87858905	87859432	Chr10.77533	Igf1(-861)	N/A
Chr10	87859944	87860171	Chr10.77537	Igf1(+28)	N/A
Chr10	87860351	87860508	Chr10.77542	Igf1(+405)	N/A
Chr10	87861156	87861509	Chr10.77548	Pmch(-229739),Igf1(+1303)	N/A
Chr10	87861708	87861837	Chr10.77550	Pmch(-229299),Igf1(+1743)	N/A
Chr10	87862452	87862559	Chr10.77555	Pmch(-228566),Igf1(+2476)	N/A
Chr10	87867755	87867867	Chr10.77574	Pmch(-223261),Igf1(+7781)	N/A
Chr10	87872196	87872709	Chr10.77586	Pmch(-218619),Igf1(+12423)	N/A
Chr10	87893329	87893489	Chr10.77639	Pmch(-197663),Igf1(+33379)	N/A
Chr10	87902024	87902165	Chr10.77668	Pmch(-188977),Igf1(+42065)	N/A
Chr10	87927076	87927269	Chr10.77749	Pmch(-163890),Igf1(+67149)	N/A
Chr10	87927312	87927514	Chr10.77751	Pmch(-163659),Igf1(+67383)	N/A
Chr10	87936454	87936574	Chr10.77780	Pmch(-154558),Igf1(+76484)	N/A
Chr10	87974259	87974556	Chr10.77834	Pmch(-116664),Igf1(+114378)	N/A
Chr10	87995948	88000128	Chr10.77852	Pmch(-91184),Igf1(+139858)	N/A
Chr10	88046160	88046296	Chr10.77875	Pmch(-46844),Igf1(+186198)	N/A
Chr10	88046355	88046455	Chr10.77876	Pmch(-44657),Igf1(+186375)	N/A
Chr10	88054471	88054691	Chr10.77888	Pmch(-36491),Igf1(+194551)	N/A
Chr10	88063449	88064155	Chr10.77905	Pmch(-27270),Igf1(+203772)	N/A
Chr10	88151708	88151821	Chr10.78005	Parbp(-4824),Nup37(+4694)	N/A
Chr10	88231655	88232108	Chr10.78101	Washc3(+30789),Dram1(+125193)	N/A
Chr10	88236119	88237278	Chr10.78107	Washc3(+31581),Dram1(+124401)	N/A
Chr10	88260425	88260594	Chr10.78123	Washc3(+59417),Dram1(+96565)	N/A
Chr10	88260840	88260995	Chr10.78129	Washc3(+59825),Dram1(+96157)	N/A
Chr10	88261160	88261316	Chr10.78135	Washc3(+60145),Dram1(+95837)	N/A
Chr10	88273701	88273984	Chr10.78158	Washc3(+72750),Dram1(+83232)	N/A
Chr10	88286803	88287016	Chr10.78167	Dram1(+70165),Washc3(+65917)	N/A
Chr10	88292774	88297440	Chr10.78176	Dram1(+59718),Washc3(+96254)	N/A
Chr10	88309679	88309788	Chr10.78187	Dram1(+47341),Washc3(+108641)	N/A
Chr10	88321119	88321494	Chr10.78206	Dram1(+35768),Washc3(+120214)	N/A
Chr10	4129520	4129710	Chr10.784	Akap12(-136714),Mthfd1(+156484)	N/A
Chr10	88592374	88592515	Chr10.78564	Chp1(-88372),Mybp1(+12580)	N/A
Chr10	88600709	88600820	Chr10.78580	Chp1(-86652),Mybp1(+4260)	N/A
Chr10	88603479	88603696	Chr10.78589	Chp1(-99500),Mybp1(+1452)	N/A
Chr10	88604895	88605256	Chr10.78591	Mybp1(-51)	N/A
Chr10	88606208	88606328	Chr10.78598	Mybp1(-1243)	N/A
Chr10	88606851	88606969	Chr10.78601	Mybp1(-1885)	N/A
Chr10	88631647	88631635	Chr10.78630	Mybp1(-26716),Spic(+51282)	N/A
Chr10	89256772	89256802	Chr10.78266	Ano4(+558)	N/A
Chr10	89257816	89257958	Chr10.78276	Ano4(-97)	N/A
Chr10	89453813	89454014	Chr10.79443	Gas2l3(-9947),Nr1h4(+52744)	N/A
Chr10	89482348	89482564	Chr10.79485	Gas2l3(-38489),Nr1h4(+24202)	N/A
Chr10	12458599	12458791	Chr10.7968	Utrn(+403040),Gm9797(+849438)	N/A
Chr10	89745835	89745965	Chr10.79774	Uhrfap1(+1908)	N/A
Chr10	89873866	89874083	Chr10.79880	Anks1b(+466)	N/A
Chr10	90380719	90380893	Chr10.80134	Anks1b(+507297),Apaf1(+701964)	N/A
Chr10	90432409	90432596	Chr10.80193	Anks1b(+558994),Apaf1(+650267)	N/A
Chr10	90432722	90432825	Chr10.80195	Anks1b(+559265),Apaf1(+649996)	N/A
Chr10	90494984	90495103	Chr10.80240	Apaf1(+587770),Anks1b(+621485)	N/A
Chr10	90576573	90577253	Chr10.80313	Apaf1(+505857),Anks1b(+703045)	N/A
Chr10	90596366	90596541	Chr10.80372	Apaf1(+486316),Anks1b(+722945)	N/A
Chr10	90679650	90679768	Chr10.80485	Apaf1(+403061),Anks1b(+806200)	N/A
Chr10	90679954	90680108	Chr10.80488	Apaf1(+402739),Anks1b(+806522)	N/A
Chr10	90729696	90729808	Chr10.80535	Apaf1(+353018),Anks1b(+856243)	N/A
Chr10	12547139	12547247	Chr10.8074	Utrn(+314542),Gm9797(+837326)	N/A
Chr10	12547926	12548391	Chr10.8080	Utrn(+313576),Gm9797(+938902)	N/A
Chr10	90918678	90918786	Chr10.80821	Apaf1(+164038)	N/A
Chr10	12548891	12549013	Chr10.8091	Utrn(+312783),Gm9797(+93695)	N/A
Chr10	12552677	12552811	Chr10.8099	Utrn(+308991),Gm9797(+943487)	N/A
Chr10	12553075	12553210	Chr10.8103	Utrn(+308592),Gm9797(+943886)	N/A
Chr10	12554232	12554399	Chr10.8107	Utrn(+307419),Gm9797(+945059)	N/A
Chr10	91121911	91122132	Chr10.81120	Slc25a3(+2037),Ikbp(+38965)	N/A
Chr10	91123904	91124024	Chr10.81133	Slc25a3(+95)	N/A
Chr10	91148885	91149034	Chr10.81158	Slc25a3(-24901),Tmpt(+22622)	N/A
Chr10	91158737	91158858	Chr10.81171	Slc25a3(-34739),Tmpt(+12784)	N/A
Chr10	91171606	91171755	Chr10.81207	Tmpt(-99)	N/A
Chr10	91187898	91188143	Chr10.81219	Tmpt(-16494)	N/A
Chr10	91209017	91209181	Chr10.81228	Tmpt(-37517)	N/A
Chr10	91222389	91222530	Chr10.81234	Tmpt(-50878)	N/A
Chr10	91240968	91241079	Chr10.81240	Tmpt(-69442)	N/A
Chr10	91247137	91241852	Chr10.81247	Tmpt(-70213)	N/A
Chr10	91249837	91250136	Chr10.81251	Tmpt(-78405)	N/A
Chr10	91271440	91271613	Chr10.81265	Tmpt(-59945)	N/A
Chr10	91316383	91316553	Chr10.81341	Tmpt(-144886)	N/A
Chr10	91430340	91430577	Chr10.81498	Tmpt(-258877)	N/A
Chr10	91493559	91493696	Chr10.81634	Tmpt(-322046)	N/A
Chr10	12614495	12614734	Chr10.8164	Utrn(+247120)	N/A
Chr10	12614822	12615211	Chr10.8165	Utrn(+246718)	N/A
Chr10	91575432	91575629	Chr10.81772	Tmpt(-403949)	N/A
Chr10	91591680	91592248	Chr10.81820	Tmpt(-420382)	N/A
Chr10	91628740	91628918	Chr10.81876	Tmpt(-457247)	N/A
Chr10	91858415	91858542	Chr10.81963	Tmpt(-513947)	N/A
Chr10	91746540	91746716	Chr10.82066	Tmpt(-575046),Nedd1(+975792)	N/A
Chr10	91858881	91859035	Chr10.82214	Tmpt(-687376),Nedd1(+863462)	N/A
Chr10	92009624	92009731	Chr10.82422	Tmpt(-838096),Nedd1(+712742)	N/A
Chr10	92009805	92009944	Chr10.82424	Tmpt(-838293),Nedd1(+712545)	N/A
Chr10	92079514	92079712	Chr10.82554	Tmpt(-908031),Nedd1(+642807)	N/A
Chr10	92080185	92080496	Chr10.82595	Tmpt(-908759),Nedd1(+642079)	N/A
Chr10	92162458	92162458	Chr10.82749	Tmpt(-900636),Nedd1(+556012)	N/A
Chr10	92162746	92163030	Chr10.82753	Tmpt(-901306),Nedd1(+559532)	N/A
Chr10	92163096	92163438	Chr10.82756	Tmpt(-991685),Nedd1(+559153)	N/A
Chr10	92164148	92164287	Chr10.82765	Tmpt(-992636),Nedd1(+558202)	N/A
Chr10	92164620	92164799	Chr10.82768	Tmpt(-993128),Nedd1(+557710)	N/A
Chr10	92165060	92165280	Chr10.82770	Tmpt(-993589),Nedd1(+557250)	N/A
Chr10	92248828	92249089	Chr10.82928	Nedd1(+473461)	N/A

Chr10	92298716	92298888	Chr10.83008	<i>Nedd1(+423618)</i>	N/A
Chr10	92333089	92333276	Chr10.83066	<i>Nedd1(+389237)</i>	N/A
Chr10	92404589	92404910	Chr10.83190	<i>Nedd1(+317670)</i>	N/A
Chr10	92404987	92405129	Chr10.83194	<i>Nedd1(+317362)</i>	N/A
Chr10	92450869	92451152	Chr10.83271	<i>Nedd1(+271409)</i>	N/A
Chr10	92473231	92473480	Chr10.83300	<i>Nedd1(+249064)</i>	N/A
Chr10	4210481	4210765	Chr10.8334	<i>Akap12(-55706),Mthd1(+237492)</i>	N/A
Chr10	92646162	92646324	Chr10.83568	<i>Nedd1(+76177)</i>	N/A
Chr10	92652870	92652862	Chr10.83601	<i>Nedd1(+69654)</i>	N/A
Chr10	93069447	93069560	Chr10.84075	<i>Nedd1(-347084),Clap54(+12114)</i>	N/A
Chr10	93083213	93083323	Chr10.84088	<i>Clap54(-1650)</i>	N/A
Chr10	93104382	93104637	Chr10.84098	<i>Cdk17(-56366),Clap54(-22892)</i>	N/A
Chr10	93124275	93124539	Chr10.84111	<i>Clap54(-42789),Cdk17(-36469)</i>	N/A
Chr10	93151796	93151928	Chr10.84136	<i>Clap54(-70242),Cdk17(-9016)</i>	N/A
Chr10	93159813	93160081	Chr10.84142	<i>Cdk17(-929)</i>	N/A
Chr10	93161879	93162060	Chr10.84147	<i>Cdk17(+1094),Elk3(+149165)</i>	N/A
Chr10	93194858	93195094	Chr10.84157	<i>Cdk17(+34100),Elk3(+116159)</i>	N/A
Chr10	93247429	93247543	Chr10.84206	<i>Elk3(+63649),Cdk17(+86610)</i>	N/A
Chr10	93249303	93249512	Chr10.84209	<i>Elk3(+61727),Cdk17(+88532)</i>	N/A
Chr10	93255444	93255755	Chr10.84223	<i>Elk3(+55435),Cdk17(+94324)</i>	N/A
Chr10	93256717	93256956	Chr10.84228	<i>Elk3(+54348),Cdk17(+95911)</i>	N/A
Chr10	93275389	93275557	Chr10.84259	<i>Elk3(+35662),Cdk17(+114597)</i>	N/A
Chr10	93282787	93283044	Chr10.84271	<i>Elk3(+28219),Cdk17(+122040)</i>	N/A
Chr10	93294962	93295097	Chr10.84285	<i>Elk3(+16105),Cdk17(+134154)</i>	N/A
Chr10	93297901	93298101	Chr10.84286	<i>Elk3(+13134),Cdk17(+137125)</i>	N/A
Chr10	93300151	93300265	Chr10.84298	<i>Elk3(+4698),Cdk17(+143584)</i>	N/A
Chr10	93307276	93307379	Chr10.84302	<i>Elk3(+3807),Cdk17(+146452)</i>	N/A
Chr10	93308673	93308963	Chr10.84306	<i>Elk3(+2317),Cdk17(+147942)</i>	N/A
Chr10	93310706	93310874	Chr10.84319	<i>Elk3(+345)</i>	N/A
Chr10	93310956	93311061	Chr10.84323	<i>Elk3(+126)</i>	N/A
Chr10	93334736	93334876	Chr10.84332	<i>Lta4h(-18580),Elk3(-28671)</i>	N/A
Chr10	93335891	93336739	Chr10.84335	<i>Lta4h(-117081),Elk3(-25160)</i>	N/A
Chr10	93348000	93348272	Chr10.84349	<i>Lta4h(-105260),Elk3(-37001)</i>	N/A
Chr10	93355690	93355830	Chr10.84357	<i>Lta4h(-97636),Elk3(-44625)</i>	N/A
Chr10	93418683	93418891	Chr10.84368	<i>Elk3(-107652),Lta4h(-34609)</i>	N/A
Chr10	93418946	93419129	Chr10.84372	<i>Elk3(-107903),Lta4h(-34358)</i>	N/A
Chr10	1275323	1275434	Chr10.8451	<i>Utrn(+103356)</i>	N/A
Chr10	93589644	93589768	Chr10.84636	<i>Snrp1(0),493340817rk(+293)</i>	N/A
Chr10	93623797	93623977	Chr10.84661	<i>Snrp1(-34181),Ntn4(-17162)</i>	N/A
Chr10	12791987	12792201	Chr10.8468	<i>Utrn(+69641)</i>	N/A
Chr10	93641811	93641929	Chr10.84680	<i>Ntn4(+821)</i>	N/A
Chr10	93642109	93642221	Chr10.84682	<i>Usp44(-189390),Ntn4(+1116)</i>	N/A
Chr10	93679305	93679704	Chr10.84743	<i>Usp44(-152035),Ntn4(-38471)</i>	N/A
Chr10	12801887	12802013	Chr10.8475	<i>Utrn(+59785)</i>	N/A
Chr10	93694998	93695391	Chr10.84765	<i>Usp44(-136360),Ntn4(+54146)</i>	N/A
Chr10	12809775	12809878	Chr10.84881	<i>Utrn(+51908)</i>	N/A
Chr10	93742723	93743010	Chr10.84854	<i>Usp44(-88688),Ntn4(+101818)</i>	N/A
Chr10	12813496	12813617	Chr10.84900	<i>Utrn(+48178)</i>	N/A
Chr10	93783796	93783973	Chr10.84936	<i>Usp44(-47670),Ntn4(+142836)</i>	N/A
Chr10	93810669	93810866	Chr10.84947	<i>Usp44(-20787),Ntn4(+169719)</i>	N/A
Chr10	93819648	93819877	Chr10.84951	<i>Usp44(-11792),Ntn4(+178714)</i>	N/A
Chr10	94014238	94014491	Chr10.85133	<i>Metap2(-124551),Vezt(+21383)</i>	N/A
Chr10	94020719	94020851	Chr10.85142	<i>Metap2(-130971),Vezt(+14963)</i>	N/A
Chr10	94035001	94035108	Chr10.85143	<i>Fgdp6(-947),Vezt(+6594)</i>	N/A
Chr10	94038382	94038492	Chr10.85169	<i>Vezt(-2689),Fgdp6(+2436)</i>	N/A
Chr10	12837824	12837953	Chr10.8527	<i>Utrn(+23846)</i>	N/A
Chr10	94095871	94096030	Chr10.85274	<i>N2c1(-52072),Fgdp6(+59950)</i>	N/A
Chr10	94110849	94111071	Chr10.85291	<i>N2c1(-37063),Fgdp6(+74959)</i>	N/A
Chr10	94129706	94129830	Chr10.85317	<i>N2c1(-18255),Fgdp6(+93767)</i>	N/A
Chr10	12848547	12848783	Chr10.8532	<i>Utrn(+13070)</i>	N/A
Chr10	94141878	94142041	Chr10.85341	<i>N2c1(-6063),Fgdp6(+105959)</i>	N/A
Chr10	12853874	12854069	Chr10.8540	<i>Utrn(+7763)</i>	N/A
Chr10	12860677	94410779	Chr10.8548	<i>Utrn(+1007)</i>	N/A
Chr10	94416088	94416723	Chr10.85497	<i>Tmcc3(-98191),Ndufa12(+217662)</i>	N/A
Chr10	94431441	94431557	Chr10.85507	<i>Tmcc3(-80797),Ndufa12(+235056)</i>	N/A
Chr10	94515475	94515615	Chr10.85553	<i>Tmcc3(+688)</i>	N/A
Chr10	94520624	94520769	Chr10.85566	<i>Cep83(-168093),Tmcc3(+5840)</i>	N/A
Chr10	12868932	12869033	Chr10.85660	<i>Utrn(-7248),Stx11(+95278)</i>	N/A
Chr10	94621673	94621846	Chr10.85688	<i>Cep83(-67030),Tmcc3(+106903)</i>	N/A
Chr10	94622065	94622208	Chr10.85693	<i>Cep83(-66653),Tmcc3(+107280)</i>	N/A
Chr10	12880897	12880928	Chr10.8571	<i>Utrn(-26443),Stx11(+75081)</i>	N/A
Chr10	94709749	94709871	Chr10.85729	<i>Cep83(+21020),Plxnc1(+234768)</i>	N/A
Chr10	94710006	94710220	Chr10.85730	<i>Cep83(+21323),Plxnc1(+234465)</i>	N/A
Chr10	94804543	94804829	Chr10.85866	<i>Cep83(+115946),Plxnc1(+139842)</i>	N/A
Chr10	94805228	94805352	Chr10.85877	<i>Cep83(+116500),Plxnc1(+139288)</i>	N/A
Chr10	94830163	94830503	Chr10.85950	<i>Plxnc1(+114235),Cap83(+141553)</i>	N/A
Chr10	94836068	94836247	Chr10.85968	<i>Plxnc1(+108420),Cap83(+147368)</i>	N/A
Chr10	94867122	94867386	Chr10.86073	<i>Plxnc1(+77324),Cap83(+178464)</i>	N/A
Chr10	94885005	94885125	Chr10.86106	<i>Plxnc1(+59513),Cap83(+196275)</i>	N/A
Chr10	94892199	94892349	Chr10.86113	<i>Plxnc1(+52304),Cap83(+203484)</i>	N/A
Chr10	94905779	94905946	Chr10.86137	<i>Plxnc1(-38715),Cap83(+217073)</i>	N/A
Chr10	12963372	12963515	Chr10.8616	<i>Stx11(+615)</i>	N/A
Chr10	94919739	94919931	Chr10.86167	<i>Plxnc1(+24743),Cap83(+231045)</i>	N/A
Chr10	94921068	94921184	Chr10.86178	<i>Plxnc1(+23452),Cap83(+232336)</i>	N/A
Chr10	94923580	94923750	Chr10.86189	<i>Plxnc1(+20913),Cap83(+234875)</i>	N/A
Chr10	94926773	94927023	Chr10.86206	<i>Plxnc1(+17680),Cap83(+238108)</i>	N/A
Chr10	94942521	94942709	Chr10.86224	<i>Plxnc1(+1963),Cap83(+253825)</i>	N/A
Chr10	94945529	94945652	Chr10.86246	<i>Plxnc1(-1013)</i>	N/A
Chr10	94947142	94947310	Chr10.86252	<i>Plxnc1(-2648)</i>	N/A
Chr10	94981975	94982119	Chr10.86310	<i>Plxnc1(-37469),Cradd(+342050)</i>	N/A
Chr10	95044037	95044207	Chr10.86339	<i>Plxnc1(-99544),Cradd(+279975)</i>	N/A
Chr10	95117530	95117638	Chr10.86389	<i>Plxnc1(-173007),Cradd(+206512)</i>	N/A
Chr10	95142871	95142994	Chr10.86395	<i>Plxnc1(-198353),Cradd(+181154)</i>	N/A
Chr10	95144435	95144586	Chr10.86401	<i>Plxnc1(-199933),Cradd(+179586)</i>	N/A
Chr10	95144679	95144882	Chr10.86406	<i>Plxnc1(-200203),Cradd(+179316)</i>	N/A
Chr10	95193850	95193985	Chr10.86444	<i>Plxnc1(-249340),Cradd(+130179)</i>	N/A
Chr10	95199749	95199859	Chr10.86451	<i>Plxnc1(-255226),Cradd(+114293)</i>	N/A
Chr10	95211300	95211452	Chr10.86464	<i>Plxnc1(-266798),Cradd(+112721)</i>	N/A
Chr10	95236423	95236592	Chr10.86480	<i>Plxnc1(-291930),Cradd(+87589)</i>	N/A
Chr10	95255200	95255504	Chr10.86492	<i>Plxnc1(-310774),Cradd(+68745)</i>	N/A
Chr10	13107858	13108569	Chr10.8650	<i>Plagl1(+17426),Zc2hc1b(+69777)</i>	N/A
Chr10	95265022	95265274	Chr10.86504	<i>Plxnc1(-320570),Cradd(+58949)</i>	N/A
Chr10	95269013	95269156	Chr10.86525	<i>Plxnc1(-324507),Cradd(+55012)</i>	N/A
Chr10	95302284	95302505	Chr10.86540	<i>Plxnc1(-357817),Cradd(+21702)</i>	N/A
Chr10	95307244	95307381	Chr10.86546	<i>Plxnc1(-362738),Cradd(+16784)</i>	N/A
Chr10	95313807	95313976	Chr10.86548	<i>Plxnc1(-369314),Cradd(+10205)</i>	N/A
Chr10	95316171	95316298	Chr10.86554	<i>Plxnc1(-371657),Cradd(+7862)</i>	N/A
Chr10	95322128	95322354	Chr10.86568	<i>Plxnc1(-377663),Cradd(+1856)</i>	N/A
Chr10	13111325	13111424	Chr10.8658	<i>Plagl1(+20587),Zc2hc1b(+66616)</i>	N/A
Chr10	95324036	95324153	Chr10.86581	<i>Cradd(+2)</i>	N/A
Chr10	95388208	95388379	Chr10.86603	<i>Cradd(-64197),Socs2(+28563)</i>	N/A
Chr10	95389150	95389287	Chr10.86606	<i>Cradd(-65122),Socs2(+27638)</i>	N/A
Chr10	95399967	95400114	Chr10.86614	<i>Cradd(-75944),Socs2(+16816)</i>	N/A
Chr10	95417897	95418007	Chr10.86643	<i>Socs2(-1095)</i>	N/A
Chr10	95415202	13113358	Chr10.8665	<i>Plagl1(+24492),Zc2hc1b(+62711)</i>	N/A
Chr10	95515061	95515246	Chr10.86683	<i>Ube2n(-8)</i>	N/A
Chr10	95567698	95567846	Chr10.86737	<i>Nudt4(-3605)</i>	N/A
Chr10	13117444	13117627	Chr10.8678	<i>Plagl1(+26748),Zc2hc1b(+60455)</i>	N/A
Chr10	95704980	95705085	Chr10.86805	<i>4732465j04nk(-87538),Anapc15-ps(-31582)</i>	N/A
Chr10	95710052	95710160	Chr10.86813	<i>4732465j04nk(-82465),Anapc15-ps(-36655)</i>	N/A
Chr10	95725923	95726072	Chr10.86819	<i>4732465j04nk(-66573),Anapc15-ps(-52547)</i>	N/A
Chr10	13118832	13118939	Chr10.8683	<i>Plagl1(+28098),Zc2hc1b(+59105)</i>	N/A
Chr10	95774311	95774477	Chr10.86889	<i>Anapc15-ps(-100943),4732465j04nk(-18177)</i>	N/A
Chr10	95791620	95791867	Chr10.86884	<i>4732465j04nk(-827)</i>	N/A
Chr10	95853350	95853492	Chr10.86943	<i>Eea1(-87242),4732465j04nk(+60850)</i>	N/A
Chr10	95864770	95864934	Chr10.86953	<i>Eea1(-75811),4732465j04nk(+72281)</i>	N/A
Chr10	95865004	95865143	Chr10.86958	<i>Eea1(-75589),4732465j04nk(+72503)</i>	N/A
Chr10	95868514	95868634	Chr10.86961	<i>Eea1(-72089),4732465j04nk(+76003)</i>	N/A
Chr10	95882211	95882318	Chr10.86966	<i>Eea1(-58398),4732465j04nk(+89694)</i>	N/A
Chr10	4282504	94282609	Chr10.870	<i>Akap12(+16228),Zbb2(+105551)</i>	N/A
Chr10	96149575	96149760	Chr10.87180	<i>Gms5426(+13065),Gm20091(+259370)</i>	N/A
Chr10	96153496	96153691	Chr10.87184	<i>Gms5426(+16991),Gm20091(+255444)</i>	N/A
Chr10	96173005	96173251	Chr10.87210	<i>Gms5426(+36525),Gm20091(+235910)</i>	N/A
Chr10	96190528	96190936	Chr10.87226	<i>Gms5426(+54129),Gm20091(+218306)</i>	N/A
Chr10	96214414	96214524	Chr10.87250	<i>Gms5426(+77866),Gm20091(+194569)</i>	N/A
Chr10	96235114	96235235	Chr10.87277	<i>Gms5426(+98572),Gm20091(+173863)</i>	N/A
Chr10	96239086	96239223	Chr10.87286	<i>Gms5426(+102553),Gm20091(+169882)</i>	N/A
Chr10	96263794	96263912	Chr10.87303	<i>Gms5426(+127250),Gm20091(+145185)</i>	N/A

Chr10	96265523	96265674	Chr10.87310	Gm5426(+128996), Gm20091(+143439)	N/A
Chr10	96266607	96266716	Chr10.87314	Gm5426(+130059), Gm20091(+142376)	N/A
Chr10	96300450	96300569	Chr10.87332	Gm20091(+108528), Gm5426(+163907)	N/A
Chr10	96300759	96301248	Chr10.87333	Gm20091(+108394), Gm5426(+1640059)	N/A
Chr10	96303030	96303421	Chr10.87348	Gm20091(+99677), Gm5426(+172758)	N/A
Chr10	9632741	96332866	Chr10.87373	Gm20091(+76218), Gm5426(+196217)	N/A
Chr10	96334865	96334985	Chr10.87376	Gm20091(+74113), Gm5426(+196322)	N/A
Chr10	96371018	96371295	Chr10.87410	Gm20091(+37881), Gm5426(+234554)	N/A
Chr10	9638129	96383386	Chr10.87442	Gm20091(+10780), Gm5426(+201655)	N/A
Chr10	96396688	96396817	Chr10.87446	Gm20091(+9285), Gm5426(+263150)	N/A
Chr10	96435694	96435954	Chr10.87469	Blg1(-181177), Gm20091(-26786)	N/A
Chr10	96460261	96460490	Chr10.87487	Blg1(-156625), Gm20091(-51338)	N/A
Chr10	96460748	96460991	Chr10.87495	Blg1(-156131), Gm20091(-51832)	N/A
Chr10	96468940	96469224	Chr10.87516	Blg1(-147919), Gm20091(-60044)	N/A
Chr10	96479841	96479934	Chr10.87526	Blg1(-137213), Gm20091(-70750)	N/A
Chr10	96480456	96480939	Chr10.87529	Blg1(-136303), Gm20091(-71660)	N/A
Chr10	13151439	13151566	Chr10.87554	Zc2hc1b(+26488), Plagl1(+60715)	N/A
Chr10	96523980	96524121	Chr10.87577	Gm20091(-115013), Blg1(-92950)	N/A
Chr10	96548959	96549064	Chr10.87599	Gm20091(-139974), Blg1(-67989)	N/A
Chr10	4285912	96549182	Chr10.876	Akap12(+19718), Zmb2b(+102961)	N/A
Chr10	96573966	96574067	Chr10.87631	Gm20091(-164979), Blg1(-42984)	N/A
Chr10	96578910	96579156	Chr10.87637	Gm20091(-169995), Blg1(-37968)	N/A
Chr10	96579400	96579566	Chr10.87641	Gm20091(-170445), Blg1(-37518)	N/A
Chr10	96579666	96579794	Chr10.87644	Gm20091(-170692), Blg1(-37271)	N/A
Chr10	96580340	96580481	Chr10.87650	Gm20091(-171373), Blg1(-36590)	N/A
Chr10	96581150	96581331	Chr10.87652	Gm20091(-172203), Blg1(-35780)	N/A
Chr10	96586753	96586924	Chr10.87661	Gm20091(-177801), Blg1(-30162)	N/A
Chr10	96619107	96619646	Chr10.87696	Dcn(-860123), Blg1(+2376)	N/A
Chr10	96619984	96620159	Chr10.87699	Dcn(-859428), Blg1(+3071)	N/A
Chr10	96628341	96628472	Chr10.87706	Dcn(-851093), Blg1(+11406)	N/A
Chr10	96646342	96646722	Chr10.87733	Dcn(-832967), Blg1(+236532)	N/A
Chr10	96656460	96656580	Chr10.87749	Dcn(-812980), Blg1(+98519)	N/A
Chr10	96666134	96666363	Chr10.87764	Dcn(-793251), Blg1(+69248)	N/A
Chr10	96686966	96687066	Chr10.87767	Dcn(-792484), Blg1(+70015)	N/A
Chr10	96690892	96691005	Chr10.87773	Dcn(-788551), Blg1(+73948)	N/A
Chr10	96709915	96710132	Chr10.87791	Dcn(-769476), Blg1(+93023)	N/A
Chr10	96720424	96720545	Chr10.87803	Dcn(-759015), Blg1(+103494)	N/A
Chr10	96720666	96720782	Chr10.87805	Dcn(-758778), Blg1(+103723)	N/A
Chr10	96727217	96727342	Chr10.87819	Dcn(-752220), Blg1(+110279)	N/A
Chr10	96727401	96727728	Chr10.87821	Dcn(-751935), Blg1(+110564)	N/A
Chr10	96744015	96744333	Chr10.87827	Dcn(-735326), Blg1(+127173)	N/A
Chr10	96744433	96744607	Chr10.87829	Dcn(-734980), Blg1(+127519)	N/A
Chr10	96751442	96751608	Chr10.87834	Dcn(-727976), Blg1(+134523)	N/A
Chr10	96751726	96751965	Chr10.87839	Dcn(-727654), Blg1(+134845)	N/A
Chr10	96753674	96753796	Chr10.87853	Dcn(-725765), Blg1(+136734)	N/A
Chr10	96755446	96755583	Chr10.87855	Dcn(-723850), Blg1(+138649)	N/A
Chr10	96755891	96756027	Chr10.87860	Dcn(-723541), Blg1(+138958)	N/A
Chr10	96822146	96822572	Chr10.87909	Dcn(-687141), Blg1(+203358)	N/A
Chr10	96826296	96826439	Chr10.87921	Dcn(-653132), Blg1(+209367)	N/A
Chr10	96837089	96837298	Chr10.87939	Dcn(-642306), Blg1(+220193)	N/A
Chr10	96924285	96924455	Chr10.88012	Dcn(-555130), Blg1(+307369)	N/A
Chr10	96955898	96956189	Chr10.88059	Dcn(-523456), Blg1(+339043)	N/A
Chr10	96956310	96956607	Chr10.88061	Dcn(-523041), Blg1(+339458)	N/A
Chr10	96974269	96974389	Chr10.88086	Dcn(-505175), Blg1(+357249)	N/A
Chr10	96974486	96974888	Chr10.88093	Dcn(-504813), Blg1(+357686)	N/A
Chr10	96981046	96981272	Chr10.88106	Dcn(-498341), Blg1(+364158)	N/A
Chr10	97062602	97062825	Chr10.88167	Dcn(-416786), Blg1(+445713)	N/A
Chr10	97078245	97078351	Chr10.88180	Dcn(-401202), Blg1(+461297)	N/A
Chr10	97079290	97079606	Chr10.88183	Dcn(-400052), Blg1(+462447)	N/A
Chr10	97101386	97101677	Chr10.88202	Dcn(-377968), Blg1(+464531)	N/A
Chr10	97154795	97154958	Chr10.88237	Dcn(-324623), Blg1(+537876)	N/A
Chr10	13213527	13213708	Chr10.8832	Lt1(-20481), Phacr2(+110542)	N/A
Chr10	97313545	97313725	Chr10.88338	Dcn(-165865), Blg1(+696634)	N/A
Chr10	97315241	97315340	Chr10.88398	Dcn(-164209), Blg1(+698250)	N/A
Chr10	97373828	97374027	Chr10.88419	Dcn(-105572), Blg1(+756927)	N/A
Chr10	97397248	97397597	Chr10.88440	Dcn(-82077), Blg1(+760422)	N/A
Chr10	97403060	97403221	Chr10.88445	Dcn(-76359), Blg1(+786140)	N/A
Chr10	97409203	97409340	Chr10.88451	Dcn(-70228), Blg1(+792271)	N/A
Chr10	97409378	97409557	Chr10.88454	Dcn(-70032), Blg1(+792467)	N/A
Chr10	97422646	97422846	Chr10.88460	Dcn(-56753), Blg1(+805746)	N/A
Chr10	97471578	97471677	Chr10.88497	Dcn(-7873), Blg1(+854627)	N/A
Chr10	13232730	13232878	Chr10.8850	Lt1(-39667), Phacr2(+91356)	N/A
Chr10	97479360	97479854	Chr10.88513	Dcn(+107)	N/A
Chr10	97480007	97480123	Chr10.88518	Dcn(+565)	N/A
Chr10	13234503	13234876	Chr10.8856	Lt1(-41553), Phacr2(+89470)	N/A
Chr10	97535826	97535959	Chr10.88572	Lum(-29608), Dcn(+56393)	N/A
Chr10	97536990	97537221	Chr10.88575	Lum(-28395), Dcn(+57606)	N/A
Chr10	97555736	97555836	Chr10.88587	Lum(-9715), Dcn(+76286)	N/A
Chr10	97565040	97565153	Chr10.88593	Lum(-404)	N/A
Chr10	97565757	97565928	Chr10.88600	Lum(+342)	N/A
Chr10	97584321	97584464	Chr10.88642	Kera(-22812), Lum(+18892)	N/A
Chr10	97607004	97607218	Chr10.88654	Kera(-94)	N/A
Chr10	97608272	97608389	Chr10.88665	Epy(-38758), Kera(+1126)	N/A
Chr10	97623943	97624266	Chr10.88694	Epy(-22984), Kera(+16900)	N/A
Chr10	97626619	97626841	Chr10.88703	Epy(-20359), Kera(+19525)	N/A
Chr10	97647247	97647539	Chr10.88719	Epy(+304)	N/A
Chr10	97648395	97648577	Chr10.88728	Cwr(-44573), Epy(+1397)	N/A
Chr10	97666630	97666831	Chr10.88744	Cwr(-24278), Epy(-21692)	N/A
Chr10	97801653	97801997	Chr10.88813	C030005k15nik(-75070)	N/A
Chr10	13250397	13250634	Chr10.88892	Lt1(-57379), Phacr2(+73644)	N/A
Chr10	98147351	98147550	Chr10.88963	Atp2b1(-76770), C030005k15nik(-420696)	N/A
Chr10	98232301	98232626	Chr10.88991	Atp2b1(-682689), C030005k15nik(-505708)	N/A
Chr10	98349600	98349940	Chr10.89071	C030005k15nik(-623015), Atp2b1(-496390)	N/A
Chr10	98485801	98486016	Chr10.89158	C030005k15nik(-759154), Atp2b1(-423243)	N/A
Chr10	98486184	98486503	Chr10.89160	C030005k15nik(-759589), Atp2b1(-428808)	N/A
Chr10	98508865	98509079	Chr10.89188	C030005k15nik(-782217), Atp2b1(-406180)	N/A
Chr10	98543650	98543697	Chr10.89220	C030005k15nik(-817049), Atp2b1(-371348)	N/A
Chr10	98569675	98569874	Chr10.89249	C030005k15nik(-943028), Atp2b1(-345377)	N/A
Chr10	13271430	13271619	Chr10.8933	Lt1(-78388), Phacr2(-52635)	N/A
Chr10	98684282	98684478	Chr10.89392	C030005k15nik(-957625), Atp2b1(-230772)	N/A
Chr10	98684509	98684626	Chr10.89395	C030005k15nik(-957813), Atp2b1(-230584)	N/A
Chr10	98685433	98685544	Chr10.89400	C030005k15nik(-958734), Atp2b1(-229663)	N/A
Chr10	98701647	98701814	Chr10.89427	C030005k15nik(-974978), Atp2b1(-213421)	N/A
Chr10	98729032	98729165	Chr10.89466	Atp2b1(-186053)	N/A
Chr10	98742880	98742999	Chr10.89472	Atp2b1(-172212)	N/A
Chr10	98748878	98749146	Chr10.89489	Atp2b1(-166140)	N/A
Chr10	98749313	98749676	Chr10.89495	Atp2b1(-165657)	N/A
Chr10	98800322	98800457	Chr10.89561	Atp2b1(-114762)	N/A
Chr10	98806972	98807124	Chr10.89585	Atp2b1(-108104)	N/A
Chr10	98916506	98916818	Chr10.89691	Poc1b(-190374), Atp2b1(+1510)	N/A
Chr10	98959434	98959709	Chr10.89713	Poc1b(-147464), Atp2b1(+44420)	N/A
Chr10	99037205	99037467	Chr10.89808	Poc1b(-69700), Atp2b1(+122184)	N/A
Chr10	99169940	99170092	Chr10.89965	Dusp6(-93215), Phxr2(-43695)	N/A
Chr10	99172114	99172380	Chr10.89972	Dusp6(-90984), Phxr2(-45928)	N/A
Chr10	99202434	99202593	Chr10.89995	Phxr2(-76193), Dusp6(-60717)	N/A
Chr10	99204239	99204480	Chr10.89997	Phxr2(-78039), Dusp6(-58871)	N/A
Chr10	13328684	13328827	Chr10.9001	Phxr2(-4596)	N/A
Chr10	99228508	99228692	Chr10.90029	Phxr2(-102279), Dusp6(-34631)	N/A
Chr10	99229481	99229642	Chr10.90034	Phxr2(-103241), Dusp6(-33669)	N/A
Chr10	99242264	99242470	Chr10.90064	Phxr2(-116046), Dusp6(-20864)	N/A
Chr10	99262892	99262730	Chr10.90078	Dusp6(-578)	N/A
Chr10	99262863	99262969	Chr10.90079	Dusp6(-315)	N/A
Chr10	99263045	99263295	Chr10.90080	Dusp6(-61)	N/A
Chr10	99265408	99265714	Chr10.90095	B530045e10nik(-154961), Dusp6(+2330)	N/A
Chr10	99267379	99267495	Chr10.90110	B530045e10nik(-153085), Dusp6(+4206)	N/A
Chr10	99268501	99268667	Chr10.90112	B530045e10nik(-151938), Dusp6(+5353)	N/A
Chr10	99268799	99269049	Chr10.90113	B530045e10nik(-151598), Dusp6(+5693)	N/A
Chr10	99269472	99269643	Chr10.90117	B530045e10nik(-150964), Dusp6(+6327)	N/A
Chr10	99279499	99279716	Chr10.90126	B530045e10nik(-140914), Dusp6(+16377)	N/A
Chr10	99284008	99284289	Chr10.90132	B530045e10nik(-136373), Dusp6(+20918)	N/A
Chr10	99285061	99285222	Chr10.90136	B530045e10nik(-135380), Dusp6(+21911)	N/A
Chr10	99285849	99286066	Chr10.90143	B530045e10nik(-134564), Dusp6(+22727)	N/A
Chr10	99288679	99289109	Chr10.90153	B530045e10nik(-121528), Dusp6(+35763)	N/A
Chr10	99299141	99299453	Chr10.90156	B530045e10nik(-121225), Dusp6(+36066)	N/A
Chr10	99299507	99299628	Chr10.90162	B530045e10nik(-120954), Dusp6(+36337)	N/A
Chr10	99310112	99310273	Chr10.90166	B530045e10nik(-110329), Dusp6(+49962)	N/A
Chr10	99310305	99310502	Chr10.90169	B530045e10nik(-110118), Dusp6(+47173)	N/A
Chr10	99330652	99330824	Chr10.90196	B530045e10nik(-89784), Dusp6(+67507)	N/A

Chr10	99353916	99354039	Chr10.90222	B530045e10rik(-66544),Dusp6(+90747)	N/A
Chr10	99355982	99360049	Chr10.90233	B530045e10rik(-60706),Dusp6(+96585)	N/A
Chr10	99375114	99375432	Chr10.90255	B530045e10rik(-45249),Dusp6(+112042)	N/A
Chr10	99385666	99385667	Chr10.90267	B530045e10rik(-35005),Dusp6(+122366)	N/A
Chr10	99390811	99391027	Chr10.90273	B530045e10rik(-29603),Dusp6(+127688)	N/A
Chr10	13369860	13370118	Chr10.9029	Fuca2(-131012),Phacr2(-45829)	N/A
Chr10	99390592	99390689	Chr10.90293	B530045e10rik(-23776),Dusp6(+133515)	N/A
Chr10	99416296	99416419	Chr10.90318	B530045e10rik(-4164)	N/A
Chr10	99416463	99416650	Chr10.90321	B530045e10rik(-3965)	N/A
Chr10	13375852	13376014	Chr10.9033	Fuca2(-125068),Phacr2(-51773)	N/A
Chr10	9941172	99441357	Chr10.90340	Gad1-ps(-2465)	N/A
Chr10	99459790	99460133	Chr10.90350	Gad1-ps(+16232),Csl(+299696)	N/A
Chr10	99461736	99461878	Chr10.90355	Gad1-ps(+18077),Csl(+297851)	N/A
Chr10	13376166	13376273	Chr10.9037	Fuca2(-124781),Phacr2(-52060)	N/A
Chr10	99473115	99473260	Chr10.90372	Gad1-ps(+29458),Csl(+286470)	N/A
Chr10	13376576	13376755	Chr10.9039	Fuca2(-124335),Phacr2(-52506)	N/A
Chr10	99532825	99532956	Chr10.90425	Gad1-ps(+89161),Csl(+226767)	N/A
Chr10	99533533	99533743	Chr10.90430	Gad1-ps(+89908),Csl(+226020)	N/A
Chr10	99556051	99556455	Chr10.90450	Gad1-ps(+112523),Csl(+203405)	N/A
Chr10	99558733	99558850	Chr10.90459	Gad1-ps(+115052),Csl(+200866)	N/A
Chr10	99564633	99564778	Chr10.90467	Gad1-ps(+120976),Csl(+194952)	N/A
Chr10	99570296	99570428	Chr10.90480	Gad1-ps(+126632),Csl(+189296)	N/A
Chr10	99574083	99574277	Chr10.90485	Gad1-ps(+130450),Csl(+185478)	N/A
Chr10	99605556	99608750	Chr10.90505	Csl(+151005),Gad1-ps(+164923)	N/A
Chr10	13388614	13388966	Chr10.90502	Fuca2(-112211),Phacr2(-64630)	N/A
Chr10	99697839	99697973	Chr10.90586	Csl(+61752),Gad1-ps(+254176)	N/A
Chr10	9969965	99699788	Chr10.90599	Csl(+59931),Gad1-ps(+255997)	N/A
Chr10	99748220	99748354	Chr10.90621	Csl(+11371),Gad1-ps(+304557)	N/A
Chr10	99774430	99774615	Chr10.90641	Kil(-241107),Csl(-14865)	N/A
Chr10	13415657	13415759	Chr10.9072	Phacr2(-91548),Fuca2(-85293)	N/A
Chr10	99912649	99912652	Chr10.90738	Csl(-153063),Kil(-102869)	N/A
Chr10	99913201	99913468	Chr10.90740	Csl(-153677),Kil(-102295)	N/A
Chr10	99941120	99941409	Chr10.90759	Csl(-181607),Kil(-74365)	N/A
Chr10	100015926	100016025	Chr10.90818	Kil(+346)	N/A
Chr10	100017752	100017971	Chr10.90821	Kil(+2232),Gm9476(+289323)	N/A
Chr10	13429695	13429827	Chr10.9084	Phacr2(-105601),Fuca2(-71240)	N/A
Chr10	100051426	100051535	Chr10.90867	Kil(+3851),Gm9476(+255704)	N/A
Chr10	100065963	100066065	Chr10.90877	Kil(+50384),Gm9476(+241171)	N/A
Chr10	100066110	100066290	Chr10.90880	Kil(+50570),Gm9476(+240985)	N/A
Chr10	100629992	100630196	Chr10.91304	1700017n19rik(+37708)	N/A
Chr10	100698929	100699047	Chr10.91362	Mgat4c(-982499),1700017n19rik(+106602)	N/A
Chr10	101666503	101666665	Chr10.91875	Mgat4c(-14603)	N/A
Chr10	101681424	101682108	Chr10.91877	Mgat4c(+279)	N/A
Chr10	13564836	13565155	Chr10.9212	Pex3(-11857),Alg1(+303961)	N/A
Chr10	102158762	102159121	Chr10.92186	Nts(+331476),Mgat4c(+477455)	N/A
Chr10	102244664	102244870	Chr10.92258	Nts(+245651),Mgat4c(+563280)	N/A
Chr10	102506660	102506838	Chr10.92389	Nts(-16331),Rassf9(-5473)	N/A
Chr10	102511935	102512130	Chr10.92397	Rassf9(-189)	N/A
Chr10	102512272	102512403	Chr10.92400	Rassf9(+116)	N/A
Chr10	102594384	102594571	Chr10.92466	Rassf9(+82256),Alx1(+434573)	N/A
Chr10	102870544	102870656	Chr10.92583	Alx1(+158451),Rassf9(+358378)	N/A
Chr10	102870713	102871033	Chr10.92586	Alx1(+158178),Rassf9(+358651)	N/A
Chr10	102878237	102878566	Chr10.92591	Alx1(+150650),Rassf9(+360179)	N/A
Chr10	102878865	102878971	Chr10.92598	Alx1(+150113),Rassf9(+366696)	N/A
Chr10	102879985	102880497	Chr10.92603	Alx1(+148810),Rassf9(+368019)	N/A
Chr10	102881689	102881815	Chr10.92605	Alx1(+147299),Rassf9(+369530)	N/A
Chr10	102881933	102882715	Chr10.92606	Alx1(+146727),Rassf9(+370102)	N/A
Chr10	102882815	102882931	Chr10.92612	Alx1(+146178),Rassf9(+370651)	N/A
Chr10	102885200	102885414	Chr10.92618	Alx1(+143744),Rassf9(+373065)	N/A
Chr10	102898660	102898901	Chr10.92625	Alx1(+139075),Rassf9(+377154)	N/A
Chr10	102975050	102975230	Chr10.92726	Alx1(+53911),Rassf9(+462918)	N/A
Chr10	102979655	102979836	Chr10.92739	Alx1(+49305),Rassf9(+467524)	N/A
Chr10	102988030	102988133	Chr10.92743	Alx1(+40969),Rassf9(+475860)	N/A
Chr10	102988851	102988982	Chr10.92746	Alx1(+40134),Rassf9(+476695)	N/A
Chr10	102989578	102989682	Chr10.92752	Alx1(+39421),Rassf9(+477408)	N/A
Chr10	103000811	103001192	Chr10.92764	Alx1(+28049),Rassf9(+486780)	N/A
Chr10	103001232	103001501	Chr10.92765	Alx1(+27684),Rassf9(+489145)	N/A
Chr10	103001741	103001888	Chr10.92767	Alx1(+27236),Rassf9(+489593)	N/A
Chr10	103002685	103002766	Chr10.92770	Alx1(+26333),Rassf9(+490494)	N/A
Chr10	103007634	103007815	Chr10.92775	Alx1(+21326),Rassf9(+495003)	N/A
Chr10	103007941	103008231	Chr10.92778	Alx1(+20965),Rassf9(+495664)	N/A
Chr10	103014149	103014270	Chr10.92790	Alx1(+14841),Rassf9(+501988)	N/A
Chr10	103019023	103019127	Chr10.92792	Alx1(+9976),Rassf9(+506853)	N/A
Chr10	103023740	103023855	Chr10.92796	Alx1(+5253),Rassf9(+511576)	N/A
Chr10	103024009	103024122	Chr10.92801	Alx1(+4985),Rassf9(+511844)	N/A
Chr10	103027345	103027641	Chr10.92813	Alx1(+1658),Rassf9(+515271)	N/A
Chr10	103028730	103028885	Chr10.92816	Alx1(+243)	N/A
Chr10	103028937	103029077	Chr10.92818	Alx1(+44)	N/A
Chr10	103031012	103031217	Chr10.92821	Alx1(-2064)	N/A
Chr10	103031407	103031619	Chr10.92824	Alx1(-2462)	N/A
Chr10	103035286	103035531	Chr10.92834	Alx1(-6580),Lmq1(+200913)	N/A
Chr10	103046007	103046191	Chr10.92861	Alx1(-17049),Lmq1(+190223)	N/A
Chr10	103111326	103111642	Chr10.92909	Alx1(-82433),Lmq1(+124538)	N/A
Chr10	103113587	103113815	Chr10.92916	Alx1(-94650),Lmq1(+122621)	N/A
Chr10	103114572	103115155	Chr10.92920	Alx1(-85813),Lmq1(+121458)	N/A
Chr10	103115231	103115382	Chr10.92923	Alx1(-86259),Lmq1(+121015)	N/A
Chr10	103116423	103116676	Chr10.92928	Alx1(-87499),Lmq1(+119772)	N/A
Chr10	103117738	103117853	Chr10.92933	Alx1(-88745),Lmq1(+118526)	N/A
Chr10	103144955	103145150	Chr10.92955	Alx1(-116002),Lmq1(+91269)	N/A
Chr10	103145789	103146010	Chr10.92962	Alx1(-116849),Lmq1(+90422)	N/A
Chr10	13667146	13667351	Chr10.9307	Pex3(-114110),Alg1(+201708)	N/A
Chr10	103726732	103726977	Chr10.93194	Gm6763(-417462),Slc6a15(+359047)	N/A
Chr10	103713338	103713791	Chr10.93198	Gm6763(-412752),Slc6a15(+363757)	N/A
Chr10	13686631	13686953	Chr10.93329	Pex3(-135653),Alg1(+180165)	N/A
Chr10	104019789	104019917	Chr10.93328	Gm6763(-124464),Slc6a15(+652045)	N/A
Chr10	104020188	104020353	Chr10.93331	Gm6763(-124046),Slc6a15(+652463)	N/A
Chr10	13705960	13706195	Chr10.93949	Pex3(-162539),Alg1(+162879)	N/A
Chr10	13713324	13713391	Chr10.93951	Pex3(-160169),Alg1(+155649)	N/A
Chr10	13714562	13714694	Chr10.93959	Pex3(-161639),Alg1(+154179)	N/A
Chr10	104968497	104968756	Chr10.93602	Tmtc2(+605808),Gm4340(+773230)	N/A
Chr10	105019982	105020178	Chr10.93660	Tmtc2(+554355),Gm4340(+824683)	N/A
Chr10	105020415	105020773	Chr10.93664	Tmtc2(+553841),Gm4340(+825197)	N/A
Chr10	105051520	105051705	Chr10.93713	Tmtc2(+522822),Gm4340(+856216)	N/A
Chr10	105110415	105110654	Chr10.93731	Tmtc2(+463900),Gm4340(+915138)	N/A
Chr10	13739626	13739862	Chr10.9338	Pex3(-186605),Alg1(+129213)	N/A
Chr10	105284253	105284506	Chr10.93934	Tmtc2(+290055)	N/A
Chr10	13739922	13740147	Chr10.9394	Pex3(-186896),Alg1(+128922)	N/A
Chr10	105338946	105339045	Chr10.94025	Tmtc2(+235439)	N/A
Chr10	105384235	105384370	Chr10.94079	Tmtc2(+190132)	N/A
Chr10	105427269	105427698	Chr10.94154	Tmtc2(+146801)	N/A
Chr10	105430399	105430575	Chr10.94163	Tmtc2(+143948)	N/A
Chr10	105430748	105431057	Chr10.94166	Tmtc2(+143532)	N/A
Chr10	105434626	105434837	Chr10.94177	Tmtc2(+139703)	N/A
Chr10	105484397	105484633	Chr10.94230	Tmtc2(+89920)	N/A
Chr10	105509321	105509432	Chr10.94255	Tmtc2(+65058)	N/A
Chr10	105532936	105533195	Chr10.94306	Tmtc2(+41369)	N/A
Chr10	105572435	105572705	Chr10.94351	Tmtc2(+1865)	N/A
Chr10	105572810	105572933	Chr10.94352	Tmtc2(+1563)	N/A
Chr10	105578283	105578617	Chr10.94377	Tmtc2(+4015)	N/A
Chr10	105595660	105595778	Chr10.94396	Ccdc59(-245348),Tmtc2(-21284)	N/A
Chr10	105616094	105616217	Chr10.94414	Ccdc59(-224911),Tmtc2(-41721)	N/A
Chr10	13787851	13788085	Chr10.9455	Pex3(-234829),Alg1(+80989)	N/A
Chr10	13788301	13788454	Chr10.9462	Pex3(-235239),Alg1(+80579)	N/A
Chr10	106469397	106469528	Chr10.94796	Ppfia2(-847)	N/A
Chr10	106470238	106470599	Chr10.94798	Ppfia2(-109)	N/A
Chr10	106632703	106632937	Chr10.94866	Ppfia2(-162510),Acsc3(+490848)	N/A
Chr10	106633990	106634212	Chr10.94874	Ppfia2(-163791),Acsc3(+489567)	N/A
Chr10	106732342	106732496	Chr10.94907	Ppfia2(+262109),Acsc3(+391249)	N/A
Chr10	13848065	13848229	Chr10.9521	Pex3(-295008),Alg1(+20810)	N/A
Chr10	13850196	13850296	Chr10.9523	Pex3(-297107),Alg1(+18711)	N/A
Chr10	13861292	13861455	Chr10.9527	Pex3(-308235),Alg1(+7583)	N/A
Chr10	13869704	13869931	Chr10.9539	Alg1(+861)	N/A
Chr10	107455293	107455413	Chr10.95460	Myf5(+30781),Lin7a(+183510)	N/A
Chr10	107484960	107485118	Chr10.95501	Myf5(+1095),Lin7a(+213196)	N/A
Chr10	107486048	107486212	Chr10.95512	Myf5(+4)	N/A
Chr10	107486756	107488010	Chr10.95523	Myf5(-2749)	N/A
Chr10	107491923	107492106	Chr10.95537	Myf5(-5881),Myf6(-2714)	N/A
Chr10	13906171	13906422	Chr10.9554	Hvwp2(-60082),Alg1(-37340)	N/A

Chr10	107542994	107543452	Chr10.95624	Myf6(-48494),Ptpqr(+176804)	N/A
Chr10	107719812	107720059	Chr10.95787	Ptpqr(+91)	N/A
Chr10	107720211	107720392	Chr10.95790	Ptpqr(-279)	N/A
Chr10	13964444	13964682	Chr10.9584	Hivep2(-1826)	N/A
Chr10	13966061	13966160	Chr10.9588	Hivep2(-268)	N/A
Chr10	13967402	13967638	Chr10.9591	Gm10335(-555542),Hivep2(+1141)	N/A
Chr10	13968336	13968527	Chr10.9601	Gm10335(-554630),Hivep2(+2053)	N/A
Chr10	107909851	107910169	Chr10.96034	Ptpqr(-189983),Otog(+2124)	N/A
Chr10	107912314	107912417	Chr10.96043	Otog(-232)	N/A
Chr10	107930012	107930205	Chr10.96080	Ppp1r12a(-232291),Otog(-17975)	N/A
Chr10	107930542	107930953	Chr10.96085	Ppp1r12a(-231652),Otog(-18614)	N/A
Chr10	107971454	107971815	Chr10.96119	Ppp1r12a(-190765),Otog(-59501)	N/A
Chr10	108088637	108088976	Chr10.96173	Otog(-176673),Ppp1r12a(-73593)	N/A
Chr10	108089146	108089534	Chr10.96176	Otog(-177106),Ppp1r12a(-73160)	N/A
Chr10	108113310	108113411	Chr10.96189	Otog(-201227),Ppp1r12a(-49039)	N/A
Chr10	108113468	108113641	Chr10.96190	Otog(-201421),Ppp1r12a(-48945)	N/A
Chr10	108133819	108134029	Chr10.96209	Otog(-221790),Ppp1r12a(-28476)	N/A
Chr10	108163546	108163701	Chr10.96220	Pawr(-168565),Ppp1r12a(+1224)	N/A
Chr10	108163997	108164171	Chr10.96221	Pawr(-168105),Ppp1r12a(+1684)	N/A
Chr10	108184972	108185136	Chr10.96242	Pawr(-147135),Ppp1r12a(+22654)	N/A
Chr10	108248902	108249148	Chr10.96274	Pawr(-83164),Ppp1r12a(+86625)	N/A
Chr10	108277204	108277388	Chr10.96318	Pawr(-54893),Ppp1r12a(+114896)	N/A
Chr10	108335147	108335433	Chr10.96361	Pawr(+3101),Sytl(+675685)	N/A
Chr10	108371360	108371462	Chr10.96387	Pawr(+39222),Sytl(+639564)	N/A
Chr10	108433561	108433800	Chr10.96445	Pawr(+101495),Sytl(+577291)	N/A
Chr10	108531712	108531850	Chr10.96583	Pawr(+99892),Sytl(+478194)	N/A
Chr10	108559292	108559426	Chr10.96641	Pawr(+227170),Sytl(+451616)	N/A
Chr10	108567543	108567680	Chr10.96665	Pawr(+235423),Sytl(+443363)	N/A
Chr10	108581278	108581385	Chr10.96689	Pawr(+249143),Sytl(+429643)	N/A
Chr10	14017866	14018090	Chr10.9682	Gm10335(-505184),Hivep2(+51499)	N/A
Chr10	108701413	108701625	Chr10.96887	Sytl(+309456),Pawr(+369330)	N/A
Chr10	108778985	108800077	Chr10.97193	Sytl(+130869),Pawr(+547797)	N/A
Chr10	109010359	109010492	Chr10.97342	Sytl(+549)	N/A
Chr10	109010665	109010771	Chr10.97348	Sytl(+257)	N/A
Chr10	109010928	109011140	Chr10.97350	Sytl(-59)	N/A
Chr10	14046112	14046377	Chr10.9743	Gm10335(-476817),Hivep2(+79866)	N/A
Chr10	109246516	109246617	Chr10.97532	Sytl(-235592),Nav3(+753552)	N/A
Chr10	14055207	14055346	Chr10.9756	Gm10335(-467785),Hivep2(+88898)	N/A
Chr10	14055613	14055921	Chr10.9758	Gm10335(-467295),Hivep2(+89388)	N/A
Chr10	109326895	109327081	Chr10.97581	Sytl(-316013),Nav3(+673231)	N/A
Chr10	14056745	14056865	Chr10.9766	Gm10335(-466257),Hivep2(+90426)	N/A
Chr10	14056903	14057148	Chr10.9769	Gm10335(-466038),Hivep2(+90647)	N/A
Chr10	14057313	14057486	Chr10.97175	Gm10335(-465662),Hivep2(+91021)	N/A
Chr10	109648070	109648213	Chr10.97851	Sytl(-637167),Nav3(+352077)	N/A
Chr10	109664901	109665020	Chr10.97863	Sytl(-653986),Nav3(+335258)	N/A
Chr10	109683793	109683988	Chr10.97893	Sytl(-672916),Nav3(+316328)	N/A
Chr10	109684419	109684608	Chr10.97898	Sytl(-673559),Nav3(+315705)	N/A
Chr10	109684722	109684940	Chr10.97905	Sytl(-673856),Nav3(+315386)	N/A
Chr10	109797217	109797356	Chr10.98106	Sytl(-786312),Nav3(+202932)	N/A
Chr10	109832861	109833172	Chr10.98177	Sytl(-822042),Nav3(+167202)	N/A
Chr10	109874604	109874811	Chr10.98239	Sytl(-863733),Nav3(+125511)	N/A
Chr10	14086260	14086572	Chr10.9828	Gm10335(-436646),Hivep2(+120037)	N/A
Chr10	109928889	109929005	Chr10.98280	Sytl(-917972),Nav3(+71272)	N/A
Chr10	109983650	109983658	Chr10.98321	Sytl(-975529),Nav3(+13715)	N/A
Chr10	110059474	110059586	Chr10.98430	E2f7(-685938),Nav3(-59311)	N/A
Chr10	110233693	110233914	Chr10.98549	E2f7(-511664),Nav3(-233585)	N/A
Chr10	110284026	110284142	Chr10.98571	E2f7(-461384),Nav3(-283865)	N/A
Chr10	110389123	110389290	Chr10.98679	Nav3(-388988),E2f7(-356261)	N/A
Chr10	110485225	110485189	Chr10.98629	Nav3(-484698),E2f7(-260361)	N/A
Chr10	110534091	110534297	Chr10.98662	Nav3(-53875),E2f7(-21174)	N/A
Chr10	110534450	110534566	Chr10.98665	Nav3(-534289),E2f7(-210960)	N/A
Chr10	110586603	110586873	Chr10.98607	Nav3(-586519),E2f7(-218730)	N/A
Chr10	110587549	110587719	Chr10.98912	Nav3(-587415),E2f7(-157834)	N/A
Chr10	110642261	110642365	Chr10.98971	Nav3(-642094),E2f7(-103155)	N/A
Chr10	110745892	110746045	Chr10.99027	E2f7(+501)	N/A
Chr10	110795025	110795170	Chr10.99131	Csp2(-125079),E2f7(+49630)	N/A
Chr10	110805175	110805498	Chr10.99134	Csp2(-114840),E2f7(+59869)	N/A
Chr10	110916979	110917176	Chr10.99198	Csp2(-3099)	N/A
Chr10	110927500	110927719	Chr10.99207	Csp2(+7433),Zohhc17(+82456)	N/A
Chr10	111166566	111166700	Chr10.99324	Bbs10(-132046),Osppl8(+1831)	N/A
Chr10	111243388	111243531	Chr10.99350	N/A	N/A
Chr10	111248314	111248640	Chr10.99357	Bbs10(-50202),Osppl8(+83675)	N/A
Chr10	111419726	111419928	Chr10.99478	Nap11(-60790),Bbs10(+121148)	N/A
Chr10	111473079	111473226	Chr10.99488	Nap11(-7464),Bbs10(+174474)	N/A
Chr10	111508154	111508412	Chr10.99542	Krt1(-464381),Phlda1(+1997)	N/A
Chr10	111509615	111509759	Chr10.99551	Krt1(-462977),Phlda1(+3401)	N/A
Chr10	111519632	111519878	Chr10.99557	Krt1(-452609),Phlda1(+13468)	N/A
Chr10	111534640	111535039	Chr10.99578	Krt1(-437824),Phlda1(+28554)	N/A
Chr10	111536919	111537021	Chr10.99585	Krt1(-435694),Phlda1(+30684)	N/A
Chr10	111544064	111544328	Chr10.99590	Krt1(-428468),Phlda1(+37910)	N/A
Chr10	111553777	111554171	Chr10.99595	Krt1(-418690),Phlda1(+47688)	N/A
Chr10	111567165	111567307	Chr10.99600	Krt1(-405428),Phlda1(+60950)	N/A
Chr10	111576080	111576257	Chr10.99612	Krt1(-396495),Phlda1(+69883)	N/A
Chr10	111600005	111600209	Chr10.99625	Krt1(-372557),Phlda1(+93821)	N/A
Chr10	111600760	111600880	Chr10.99626	Krt1(-371844),Phlda1(+94534)	N/A
Chr10	111613326	111613590	Chr10.99638	Krt1(-395206),Phlda1(+107172)	N/A
Chr10	111624028	111624193	Chr10.99644	Krt1(-348553),Phlda1(+117826)	N/A
Chr10	111654609	111654808	Chr10.99677	Krt1(-317955),Phlda1(+148423)	N/A
Chr10	111659087	111659197	Chr10.99691	Krt1(-313522),Phlda1(+152856)	N/A
Chr10	111659393	111659658	Chr10.99693	Krt1(-313138),Phlda1(+153240)	N/A
Chr10	111669721	111669915	Chr10.99704	Krt1(-302846),Phlda1(+163532)	N/A
Chr10	111670976	111671151	Chr10.99708	Krt1(-301600),Phlda1(+164778)	N/A
Chr10	111686653	111686990	Chr10.99723	Krt1(-285842),Phlda1(+180536)	N/A
Chr10	111689682	111689797	Chr10.99733	Krt1(-285924),Phlda1(+183454)	N/A
Chr10	111694283	111694396	Chr10.99737	Krt1(-278324),Phlda1(+188054)	N/A
Chr10	111699806	111700001	Chr10.99745	Krt1(-272760),Phlda1(+193618)	N/A
Chr10	111719762	111719927	Chr10.99762	Krt1(-252819),Phlda1(+213559)	N/A
Chr10	111721292	111721427	Chr10.99769	Krt1(-251304),Phlda1(+215074)	N/A
Chr10	111738657	111740062	Chr10.99793	Krt1(-232704),Phlda1(+233674)	N/A
Chr10	111743491	111743830	Chr10.99799	Krt1(-229003),Phlda1(+237375)	N/A
Chr10	111759759	111759906	Chr10.99823	Krt1(-212831),Phlda1(+253547)	N/A
Chr10	111767052	111767366	Chr10.99828	Krt1(-205455),Phlda1(+260923)	N/A
Chr10	111783601	111783785	Chr10.99836	Krt1(-188971),Phlda1(+277407)	N/A
Chr10	111784032	111784230	Chr10.99840	Krt1(-186833),Phlda1(+277845)	N/A
Chr10	111787164	111787308	Chr10.99849	Krt1(-185428),Phlda1(+280950)	N/A
Chr10	111787796	111787994	Chr10.99856	Krt1(-184769),Phlda1(+281609)	N/A
Chr10	111801782	111802027	Chr10.99884	Krt1(-170759),Phlda1(+295619)	N/A
Chr10	111803665	111803841	Chr10.99892	Krt1(-168911),Phlda1(+297467)	N/A
Chr10	111819024	111819139	Chr10.99903	Krt1(-153582),Phlda1(+312796)	N/A
Chr10	111834951	111835059	Chr10.99918	Krt1(-127659),Phlda1(+328719)	N/A
Chr10	111841845	111841954	Chr10.99921	Krt1(-130764),Phlda1(+335614)	N/A
Chr10	111842477	111842599	Chr10.99923	Krt1(-130126),Phlda1(+336252)	N/A
Chr10	111843096	111843239	Chr10.99930	Krt1(-129496),Phlda1(+336882)	N/A
Chr10	111867945	111867867	Chr10.99945	Krt1(-104908),Phlda1(+361470)	N/A
Chr10	111881753	111881938	Chr10.99966	Krt1(-90818),Pctp(+325560)	N/A
Chr11	89454707	89454875	Chr11.100011	Ankfn1(-35943),Ankfn1(+184840)	N/A
Chr11	89455685	89455958	Chr11.100022	Ankfn1(-36874),Ankfn1(+183809)	N/A
Chr11	89485500	89485628	Chr11.100059	Ankfn1(-66616),Ankfn1(+154067)	N/A
Chr11	89485668	89485819	Chr11.100061	Ankfn1(-66790),Ankfn1(+153887)	N/A
Chr11	89521163	89521415	Chr11.100113	Ankfn1(-102341),Ankfn1(+118342)	N/A
Chr11	89544873	89545189	Chr11.100166	Ankfn1(-126083),Ankfn1(+94600)	N/A
Chr11	89545272	89545681	Chr11.100170	Ankfn1(-126529),Ankfn1(+94154)	N/A
Chr11	89606938	89607052	Chr11.100251	Ankfn1(-188047),Ankfn1(+32636)	N/A
Chr11	89608352	89608459	Chr11.100261	Ankfn1(-189458),Ankfn1(+31225)	N/A
Chr11	89672367	89672487	Chr11.100335	Ankfn1(-32796),Pctp(+330467)	N/A
Chr11	89677068	89677349	Chr11.100348	Ankfn1(-37578),Pctp(+325685)	N/A
Chr11	89696995	89697062	Chr11.100378	Ankfn1(-57248),Pctp(+306015)	N/A
Chr11	89702111	89702232	Chr11.100387	Ankfn1(-62541),Pctp(+300722)	N/A
Chr11	89721008	89721454	Chr11.100415	Ankfn1(-81600),Pctp(+281663)	N/A
Chr11	89777607	89777936	Chr11.100474	Ankfn1(-138141),Pctp(+225122)	N/A
Chr11	89804909	89805100	Chr11.100501	Ankfn1(-165374),Pctp(+197889)	N/A
Chr11	89839895	89839942	Chr11.100531	Ankfn1(-200163),Pctp(+16308)	N/A
Chr11	89856386	89856612	Chr11.100548	Ankfn1(-216868),Pctp(+146395)	N/A
Chr11	89922558	89922868	Chr11.100591	Ankfn1(-283082),Pctp(+80181)	N/A
Chr11	89932581	89932726	Chr11.100599	Ankfn1(-293023),Pctp(+70240)	N/A
Chr11	89971069	89971201	Chr11.100622	Ankfn1(-3313504),Pctp(+31759)	N/A
Chr11	89978275	89978980	Chr11.100627	Ankfn1(-1338997),Pctp(+24266)	N/A
Chr11	90028202	90028161	Chr11.100690	Tmem100(-4257)	N/A

Chr11	90026376	90026477	Chr11.100693	Tmem100(-3921)	N/A
Chr11	90029364	90029621	Chr11.100699	Tmem100(-855)	N/A
Chr11	90030585	90030784	Chr11.100709	Tmem100(+337)	N/A
Chr11	90033108	90033403	Chr11.100716	Mmd(-216220),Tmem100(+2908)	N/A
Chr11	90054404	90054634	Chr11.100767	Mmd(-194957),Tmem100(+24171)	N/A
Chr11	90066750	90066990	Chr11.100778	Mmd(-182606),Tmem100(+36522)	N/A
Chr11	90101323	90101478	Chr11.100795	Mmd(-148075),Tmem100(+71053)	N/A
Chr11	90106334	90106516	Chr11.100804	Mmd(-143051),Tmem100(+76077)	N/A
Chr11	90116940	90117388	Chr11.100809	Mmd(-132312),Tmem100(+86816)	N/A
Chr11	90130053	90130354	Chr11.100832	Mmd(-119272),Tmem100(+99866)	N/A
Chr11	90142550	90142666	Chr11.100836	Mmd(-106868),Tmem100(+112260)	N/A
Chr11	90221157	90221265	Chr11.100887	Mmd(-28265),Tmem100(+190863)	N/A
Chr11	90249603	90249737	Chr11.100903	Mmd(+194)	N/A
Chr11	90256046	90256150	Chr11.100915	Mmd(+8622),Hlf(+134797)	N/A
Chr11	90271443	90271488	Chr11.100931	Etaa1(-176075),Gm16140(-294502)	N/A
Chr11	90277618	90277726	Chr11.100950	Mmd(-28196),Hlf(+113223)	N/A
Chr11	90271546	90271565	Chr11.10096	Etaa1(-761526),Gm16140(-293727)	N/A
Chr11	90348114	90348357	Chr11.101027	Hlf(+42659),Mmd(+98760)	N/A
Chr11	90364969	90365196	Chr11.101052	Hlf(+25812),Mmd(+115607)	N/A
Chr11	90369573	90369537	Chr11.101057	Hlf(+21479),Mmd(+119949)	N/A
Chr11	90369651	90369971	Chr11.101060	Hlf(+21084),Mmd(+120335)	N/A
Chr11	90371799	90371976	Chr11.101066	Hlf(+19007),Mmd(+122412)	N/A
Chr11	90378371	90378523	Chr11.101078	Hlf(+12448),Mmd(+128971)	N/A
Chr11	90382098	90382364	Chr11.101096	Hlf(+8664),Mmd(+132755)	N/A
Chr11	90390565	90390691	Chr11.101129	Hlf(+267)	N/A
Chr11	90417868	90418070	Chr11.101156	Hlf(-27124),Stxbp4(+220065)	N/A
Chr11	90452228	90452439	Chr11.101175	Hlf(-61439),Stxbp4(+185750)	N/A
Chr11	90453879	90454112	Chr11.101184	Hlf(-63101),Stxbp4(+184088)	N/A
Chr11	90476772	90476894	Chr11.101214	Hlf(-85938),Stxbp4(+161251)	N/A
Chr11	90494434	90494711	Chr11.101244	Hlf(-103678),Stxbp4(+143511)	N/A
Chr11	90498524	90498540	Chr11.101246	Hlf(-104187),Stxbp4(+143502)	N/A
Chr11	90549030	90550057	Chr11.101309	Hlf(-159099),Stxbp4(+88030)	N/A
Chr11	90746372	90746533	Chr11.10131	Etaa1(-792578),Gm16140(-262675)	N/A
Chr11	90552512	90552933	Chr11.101311	Hlf(-161828),Stxbp4(+85361)	N/A
Chr11	90558773	90558990	Chr11.101319	Hlf(-167987),Stxbp4(+79202)	N/A
Chr11	90560715	90561005	Chr11.101322	Hlf(-169965),Stxbp4(+77224)	N/A
Chr11	90612744	90612870	Chr11.101364	Hlf(-221912),Stxbp4(+25277)	N/A
Chr11	90657618	90657731	Chr11.101410	Cox11(+19502),Tom11(+29926)	N/A
Chr11	90663731	90663915	Chr11.101426	Tom11(+23778),Cox11(+25650)	N/A
Chr11	90747629	90747769	Chr11.10143	Etaa1(-793824),Gm16140(-261429)	N/A
Chr11	90747808	90748263	Chr11.10145	Etaa1(-794161),Gm16140(-261092)	N/A
Chr11	90748310	90748654	Chr11.10146	Etaa1(-794007),Gm16140(-260646)	N/A
Chr11	90748843	90749159	Chr11.10147	Etaa1(-795126),Gm16140(-260127)	N/A
Chr11	90749429	90749592	Chr11.10151	Etaa1(-795636),Gm16140(-259617)	N/A
Chr11	90749743	90750372	Chr11.10154	Etaa1(-796183),Gm16140(-259070)	N/A
Chr11	90807888	90808224	Chr11.101547	Tom11(-120455),Klf2b(+769553)	N/A
Chr11	90750551	90751142	Chr11.10158	Etaa1(-797712),Gm16140(-258081)	N/A
Chr11	90844437	90844542	Chr11.101586	Tom11(-156889),Klf2a(+733119)	N/A
Chr11	90751412	90751631	Chr11.10161	Etaa1(-797647),Gm16140(-257606)	N/A
Chr11	90751662	90751833	Chr11.10162	Etaa1(-797873),Gm16140(-257380)	N/A
Chr11	90752390	90752838	Chr11.10168	Etaa1(-798739),Gm16140(-256514)	N/A
Chr11	90753780	90754071	Chr11.10176	Etaa1(-800051),Gm16140(-255202)	N/A
Chr11	91096330	91096462	Chr11.101771	Tom11(-408795),Klf2b(+481213)	N/A
Chr11	91099232	91099481	Chr11.101782	Tom11(-410756),Klf2a(+79252)	N/A
Chr11	90754782	90755107	Chr11.10185	Etaa1(-801070),Gm16140(-254183)	N/A
Chr11	90756655	90756853	Chr11.10196	Etaa1(-802879),Gm16140(-252374)	N/A
Chr11	90756997	90757133	Chr11.10198	Etaa1(-803190),Gm16140(-252063)	N/A
Chr11	91425633	91425747	Chr11.102032	Tom11(-738089),Klf2b(+151919)	N/A
Chr11	90759318	90759550	Chr11.10206	Etaa1(-805559),Gm16140(-249694)	N/A
Chr11	92240242	92240367	Chr11.102514	Car10(-858985),Klf2b(-663696)	N/A
Chr11	92504085	92504191	Chr11.102625	Klf2b(-926529),Car10(-595152)	N/A
Chr11	93099569	93099902	Chr11.103026	Car10(+446)	N/A
Chr11	93099939	93100075	Chr11.103029	Car10(+717)	N/A
Chr11	90767091	90767626	Chr11.10338	Etaa1(-916684),Gm16140(-138569)	N/A
Chr11	90767678	90771198	Chr11.10341	Etaa1(-917052),Gm16140(-13819)	N/A
Chr11	90772352	90772465	Chr11.10343	Etaa1(-918534),Gm16140(-136719)	N/A
Chr11	90782611	90782726	Chr11.10345	Etaa1(-918794),Gm16140(-136459)	N/A
Chr11	90782759	90782948	Chr11.10346	Etaa1(-918979),Gm16140(-136274)	N/A
Chr11	90787343	90787418	Chr11.10354	Etaa1(-920056),Gm16140(-135197)	N/A
Chr11	90787495	90787494	Chr11.10355	Etaa1(-920570),Gm16140(-134863)	N/A
Chr11	90787529	90787416	Chr11.10356	Etaa1(-920748),Gm16140(-134505)	N/A
Chr11	90787413	907875015	Chr11.10357	Etaa1(-921039),Gm16140(-134214)	N/A
Chr11	90787542	907875929	Chr11.10363	Etaa1(-921961),Gm16140(-133292)	N/A
Chr11	90787371	90787550	Chr11.10367	Etaa1(-923586),Gm16140(-131667)	N/A
Chr11	93763353	93763482	Chr11.103695	Up18(-122348),Car10(+664128)	N/A
Chr11	90787603	907878522	Chr11.10372	Etaa1(-924488),Gm16140(-130765)	N/A
Chr11	90787909	90787936	Chr11.10375	Etaa1(-925338),Gm16140(-129915)	N/A
Chr11	907879510	907879707	Chr11.10380	Etaa1(-925734),Gm16140(-129519)	N/A
Chr11	93886059	93886434	Chr11.103812	Up18(-481),Mtd1(+395)	N/A
Chr11	93886463	93886569	Chr11.103816	Up18(-750),Mtd1(+664)	N/A
Chr11	93887192	93887737	Chr11.103823	Up18(-16989),Mtd1(+1413)	N/A
Chr11	93944619	93944755	Chr11.103919	Nme2(+11572),Mtd1(+58839)	N/A
Chr11	93944970	93945297	Chr11.103915	Nme2(+11125),Mtd1(+59282)	N/A
Chr11	93945983	93946083	Chr11.103919	Nme2(+10226),Mtd1(+60181)	N/A
Chr11	907883051	907883453	Chr11.10396	Etaa1(-929377),Gm16140(-125876)	N/A
Chr11	93987782	93987934	Chr11.103972	Nme1(-19337),Spag9(-8245)	N/A
Chr11	907883682	907883630	Chr11.10398	Etaa1(-929686),Gm16140(-125587)	N/A
Chr11	93989655	93997076	Chr11.103991	Spag9(+913)	N/A
Chr11	907883654	907883805	Chr11.10400	Etaa1(-929855),Gm16140(-125398)	N/A
Chr11	907883847	907884213	Chr11.10402	Etaa1(-930155),Gm16140(-125098)	N/A
Chr11	904044241	90404529	Chr11.104029	Tob1(-167069),Spag9(+8282)	N/A
Chr11	90405107	90405206	Chr11.104032	Tob1(-168296),Spag9(+49055)	N/A
Chr11	9085012	90856983	Chr11.10407	Etaa1(-931473),Gm16140(-123780)	N/A
Chr11	94113353	94113452	Chr11.104116	Tob1(-98051),Spag9(+117300)	N/A
Chr11	907885784	907886037	Chr11.10414	Etaa1(-932036),Gm16140(-123217)	N/A
Chr11	94125323	94125460	Chr11.104143	Tob1(-86062),Spag9(+129289)	N/A
Chr11	94130105	94130313	Chr11.104155	Tob1(-81245),Spag9(+134106)	N/A
Chr11	90886015	90886247	Chr11.10416	Etaa1(-932286),Gm16140(-122967)	N/A
Chr11	94149106	94149290	Chr11.104180	Tob1(-62255),Spag9(+153095)	N/A
Chr11	94171759	94171920	Chr11.104192	Tob1(-39614),Spag9(+175737)	N/A
Chr11	94180493	94180667	Chr11.104202	Tob1(-21874),Spag9(+193477)	N/A
Chr11	94209224	94209329	Chr11.104210	Tob1(-2177)	N/A
Chr11	94210284	94210389	Chr11.104219	Tob1(-1177)	N/A
Chr11	94212272	94212372	Chr11.104225	Tob1(+468)	N/A
Chr11	94212567	94212680	Chr11.104229	Tob1(+1170),Wfikn2(+30083)	N/A
Chr11	94216343	94216515	Chr11.104242	Tob1(+4975),Wfikn2(+26278)	N/A
Chr11	907889219	907889462	Chr11.10431	Etaa1(-935466),Gm16140(-119787)	N/A
Chr11	94239805	94239952	Chr11.104331	Wfikn2(+2828),Tob1(+28425)	N/A
Chr11	94242831	94243336	Chr11.104346	Wfikn2(-377)	N/A
Chr11	94244478	94244674	Chr11.104356	Wfikn2(-1669)	N/A
Chr11	94246375	94246560	Chr11.104361	Wfikn2(-3761)	N/A
Chr11	94326932	94327059	Chr11.104411	Ankrd40(-1005)	N/A
Chr11	94327537	94327667	Chr11.104417	Ankrd40(-399)	N/A
Chr11	94327876	94328014	Chr11.104422	Ankrd40(-58)	N/A
Chr11	94342652	94342198	Chr11.104468	Ankrd40(+14124),Abcc3(+50851)	N/A
Chr11	907889728	907889830	Chr11.10447	Etaa1(-944264),Gm16140(-110989)	N/A
Chr11	94342298	94342453	Chr11.104471	Ankrd40(+14375),Abcc3(+50600)	N/A
Chr11	94346765	94346868	Chr11.104501	Ankrd40(+18816),Abcc3(+46159)	N/A
Chr11	907889391	907889490	Chr11.10453	Etaa1(-944566),Gm16140(-110687)	N/A
Chr11	907889527	907889894	Chr11.10457	Etaa1(-944860),Gm16140(-110363)	N/A
Chr11	94407972	94408114	Chr11.104714	Abcc3(-15067),Cacna1g(+66037)	N/A
Chr11	94408670	94408872	Chr11.104718	Abcc3(-15795),Cacna1g(+65329)	N/A
Chr11	94413398	94413536	Chr11.104756	Abcc3(-20491),Cacna1g(+60633)	N/A
Chr11	94413673	94413774	Chr11.104762	Abcc3(-20748),Cacna1g(+60376)	N/A
Chr11	94419598	94419882	Chr11.104796	Abcc3(-26764),Cacna1g(+54360)	N/A
Chr11	94421554	94420203	Chr11.104803	Abcc3(-27105),Cacna1g(+54019)	N/A
Chr11	94423973	94423367	Chr11.104815	Abcc3(-30285),Cacna1g(+50839)	N/A
Chr11	94428500	94424085	Chr11.104822	Abcc3(-31053),Cacna1g(+50071)	N/A
Chr11	94439546	94428724	Chr11.104839	Abcc3(-35636),Cacna1g(+45488)	N/A
Chr11	94440367	94439645	Chr11.104900	Abcc3(-46620),Cacna1g(+34504)	N/A
Chr11	94442187	94440744	Chr11.104908	Abcc3(-47715),Cacna1g(+33409)	N/A
Chr11	94464476	94442367	Chr11.104913	Abcc3(-49301),Cacna1g(+31629)	N/A
Chr11	94468644	94464593	Chr11.104991	Abcc3(-71559),Cacna1g(+9565)	N/A
Chr11	94468644	94468760	Chr11.105009	Abcc3(-75726),Cacna1g(+5398)	N/A
Chr11	94468823	94469215	Chr11.105010	Abcc3(-76043),Cacna1g(+5081)	N/A
Chr11	94469594	94469746	Chr11.105013	Abcc3(-76694),Cacna1g(+4430)	N/A
Chr11	94470342	94470467	Chr11.105018	Abcc3(-77439),Cacna1g(+3685)	N/A
Chr11	94470587	94470753	Chr11.105021	Abcc3(-77694),Cacna1g(+3430)	N/A

Chr11	94472617	94472804	Chr11.105026	Abcc3(-79735), Cacna1g(+1389)	N/A
Chr11	94473718	94473821	Chr11.105037	Cacna1g(+330)	N/A
Chr11	94474475	94474672	Chr11.105044	Cacna1g(+474)	N/A
Chr11	94475559	94476082	Chr11.105052	Cacna1g(+1921)	N/A
Chr11	94477817	94477938	Chr11.105057	Cacna1g(-3778)	N/A
Chr11	94498170	94498378	Chr11.105219	Spata20(-12926),Epn3(+1700)	N/A
Chr11	94498737	94498920	Chr11.105226	Spata20(-13481),Epn3(+1145)	N/A
Chr11	94538977	94539092	Chr11.105329	Mycbpap(-17293),Rasd1(+10164)	N/A
Chr11	94567206	94567362	Chr11.105448	Chad(+2237),Acsl5(+34887)	N/A
Chr11	94643852	94643794	Chr11.105539	Mpi27(-10044),Lmo59(+13956)	N/A
Chr11	94674344	94674489	Chr11.105707	Erme1(-20453),Xylt2(+3098)	N/A
Chr11	94872005	94872130	Chr11.105722	Tmem92(-89568),Col1a1(-64156)	N/A
Chr11	94873730	94873822	Chr11.105728	Tmem92(-91326),Col1a1(-62398)	N/A
Chr11	94875162	94875289	Chr11.105733	Tmem92(-92726),Col1a1(-60998)	N/A
Chr11	94877036	94877147	Chr11.105739	Tmem92(-94592),Col1a1(-59132)	N/A
Chr11	94928989	94929156	Chr11.105754	Tmem92(-146513),Col1a1(-7211)	N/A
Chr11	94934483	94934861	Chr11.105764	Col1a1(-1552)	N/A
Chr11	94937582	94937738	Chr11.105777	Hls1(-30001),Col1a1(+1436)	N/A
Chr11	94951863	94952093	Chr11.105895	Hls1(-15683),Col1a1(+15754)	N/A
Chr11	94952371	94952579	Chr11.105897	Hls1(-15186),Col1a1(+16251)	N/A
Chr11	94988993	94989035	Chr11.105984	Ppp19b(-2071)	N/A
Chr11	94990871	94991037	Chr11.105991	Ppp19b(-81)	N/A
Chr11	18930445	18930721	Chr11.10602	Etaa1(-976708),Gm16140(-78545)	N/A
Chr11	95000632	95000786	Chr11.106029	Samd14(-9170),Ppp19b(+9674)	N/A
Chr11	95006794	95006897	Chr11.106058	Samd14(-3033)	N/A
Chr11	18931017	18931233	Chr11.10606	Etaa1(-977250),Gm16140(-78003)	N/A
Chr11	95046443	95046601	Chr11.106164	Pdk2(-5168),Iga3(+30192)	N/A
Chr11	95071429	95071550	Chr11.106293	Pdk2(-30136),Iga3(+5224)	N/A
Chr11	18937983	18938118	Chr11.10630	Etaa1(-984176),Gm16140(-71077)	N/A
Chr11	95075331	95075440	Chr11.106307	Pdk2(-34032),Iga3(+1328)	N/A
Chr11	95076744	95076911	Chr11.106314	Iga3(-114)	N/A
Chr11	95079696	95079802	Chr11.106321	Iga3(-3035)	N/A
Chr11	95088877	95089025	Chr11.106326	Dlx3(-31138),Iga3(-12237)	N/A
Chr11	95096749	95096850	Chr11.106329	Dlx3(-23289),Iga3(-20086)	N/A
Chr11	95097116	95097226	Chr11.106333	Dlx3(-22918),Iga3(-20457)	N/A
Chr11	95118260	95118457	Chr11.106350	Dlx3(-1730)	N/A
Chr11	95119996	95120103	Chr11.106353	Dlx3(-39)	N/A
Chr11	95122543	95122710	Chr11.106364	Dlx3(+2538),Dlx4(+23636)	N/A
Chr11	95126622	95126697	Chr11.106388	Dlx3(+6706),Dlx4(+19468)	N/A
Chr11	95129393	95129523	Chr11.106392	Dlx3(+9369),Dlx4(+16805)	N/A
Chr11	95134408	95134568	Chr11.106398	Dlx4(+11775),Dlx3(+14399)	N/A
Chr11	95137304	95137466	Chr11.106405	Dlx4(+8878),Dlx3(-17296)	N/A
Chr11	95137583	95137820	Chr11.106407	Dlx4(+8561),Dlx3(-17613)	N/A
Chr11	95138773	95138997	Chr11.106409	Dlx4(+7378),Dlx3(-18796)	N/A
Chr11	18940897	18941247	Chr11.10641	Etaa1(-987197),Gm16140(-68056)	N/A
Chr11	95144881	95144987	Chr11.106427	Dlx4(+1324),Dlx3(+24850)	N/A
Chr11	95167813	95168069	Chr11.106454	Tac4(-93588),Dlx4(-21678)	N/A
Chr11	95179397	95179592	Chr11.106458	Tac4(-80204),Dlx4(-33232)	N/A
Chr11	95182131	95182350	Chr11.106461	Tac4(-79288),Dlx4(-35978)	N/A
Chr11	95186031	95186133	Chr11.106469	Tac4(-75447),Dlx4(-39819)	N/A
Chr11	95186888	95187106	Chr11.106474	Tac4(-74532),Dlx4(-40734)	N/A
Chr11	95189920	951900221	Chr11.106477	Tac4(-71458),Dlx4(-43808)	N/A
Chr11	95193520	95193531	Chr11.106483	Tac4(-68103),Dlx4(-47163)	N/A
Chr11	95194625	95194727	Chr11.106489	Tac4(-66853),Dlx4(-49413)	N/A
Chr11	95202206	95202451	Chr11.106498	Tac4(-59200),Dlx4(-56066)	N/A
Chr11	95204307	95204572	Chr11.106500	Dlx4(-58177),Tac4(-57089)	N/A
Chr11	95206430	95206542	Chr11.106506	Dlx4(-60223),Tac4(-55043)	N/A
Chr11	95210772	95210918	Chr11.106510	Dlx4(-64582),Tac4(-50684)	N/A
Chr11	95211325	95211447	Chr11.106511	Dlx4(-66123),Tac4(-50143)	N/A
Chr11	95213726	95213901	Chr11.106517	Dlx4(-67251),Tac4(-47719)	N/A
Chr11	95214321	95214635	Chr11.106522	Dlx4(-68215),Tac4(-47051)	N/A
Chr11	95219387	95219511	Chr11.106532	Dlx4(-73186),Tac4(-42080)	N/A
Chr11	95224230	95224435	Chr11.106535	Dlx4(-78070),Tac4(-37196)	N/A
Chr11	95225541	95225662	Chr11.106537	Dlx4(-79339),Tac4(-35927)	N/A
Chr11	95232551	95232689	Chr11.106543	Dlx4(-86357),Tac4(-28909)	N/A
Chr11	95247088	95247474	Chr11.106551	Dlx4(-101018),Tac4(-14248)	N/A
Chr11	95248774	95248925	Chr11.106561	Dlx4(-102587),Tac4(-12679)	N/A
Chr11	95250209	95250520	Chr11.106562	Dlx4(-104102),Tac4(-11164)	N/A
Chr11	95252055	95252221	Chr11.106563	Dlx4(-105875),Tac4(-9391)	N/A
Chr11	95254388	95254662	Chr11.106596	Dlx4(-106252),Tac4(-7004)	N/A
Chr11	18943894	18944383	Chr11.10657	Etaa1(-99059),Gm16140(-64894)	N/A
Chr11	95274258	95274507	Chr11.106588	Tac4(+12854),Kat7(+35863)	N/A
Chr11	95309528	95309668	Chr11.106634	Kat7(+648)	N/A
Chr11	18944944	18945284	Chr11.10664	Etaa1(-991239),Gm16140(-64014)	N/A
Chr11	95309708	95309887	Chr11.106640	Kat7(+448)	N/A
Chr11	95309936	95310340	Chr11.106642	Kat7(+108)	N/A
Chr11	95310373	95310483	Chr11.106649	Kat7(-182)	N/A
Chr11	95315426	95315556	Chr11.106658	Fam117a(-21527),Kat7(-5245)	N/A
Chr11	18945474	18945641	Chr11.10666	Etaa1(-991683),Gm16140(-63570)	N/A
Chr11	95331847	95332133	Chr11.106677	Kat7(-21744),Fam117a(-5028)	N/A
Chr11	18945873	18946141	Chr11.10668	Etaa1(-992032),Gm16140(-63221)	N/A
Chr11	95336948	95336780	Chr11.106697	Fam117a(-304)	N/A
Chr11	95337595	95337698	Chr11.106708	Fam117a(+629)	N/A
Chr11	95338018	95338357	Chr11.106713	Slc35b1(-46504),Fam117a(+1170)	N/A
Chr11	95339576	95339888	Chr11.106722	Slc35b1(-44960),Fam117a(+2714)	N/A
Chr11	95342932	95343065	Chr11.106735	Slc35b1(-41693),Fam117a(+5981)	N/A
Chr11	95343228	95343473	Chr11.106738	Slc35b1(-41341),Fam117a(+6333)	N/A
Chr11	95344552	95344681	Chr11.106746	Slc35b1(-40075),Fam117a(+7599)	N/A
Chr11	18958503	18958683	Chr11.10676	Gm16140(-50535)	N/A
Chr11	95354659	95354776	Chr11.106766	Slc35b1(-29974),Fam117a(+17700)	N/A
Chr11	95356687	95356996	Chr11.106775	Slc35b1(-27850),Fam117a(+19824)	N/A
Chr11	95365677	95365973	Chr11.106794	Slc35b1(-18867),Fam117a(+28807)	N/A
Chr11	95370222	95370342	Chr11.106807	Slc35b1(-14410),Fam117a(+33264)	N/A
Chr11	95380994	95381188	Chr11.106843	Slc35b1(-3601)	N/A
Chr11	95383388	95383489	Chr11.106853	Slc35b1(-1253)	N/A
Chr11	95392444	95392657	Chr11.106899	Spoop(-21547),Slc35b1(+7859)	N/A
Chr11	95393592	95393713	Chr11.106906	Spoop(-20445),Slc35b1(+8961)	N/A
Chr11	95394236	95394369	Chr11.106909	Spoop(-19795),Slc35b1(+9611)	N/A
Chr11	18963266	18963642	Chr11.10692	Gm16140(-45674)	N/A
Chr11	95402696	95402861	Chr11.106925	Spoop(-11319),Slc35b1(+18087)	N/A
Chr11	95411352	95411741	Chr11.106939	Spoop(-2551)	N/A
Chr11	18963833	18964075	Chr11.10694	Gm16140(-45174)	N/A
Chr11	95414524	95414626	Chr11.106950	Spoop(+477)	N/A
Chr11	95414913	95415025	Chr11.106955	Spoop(+871)	N/A
Chr11	95420498	95420622	Chr11.106963	Spoop(+6462),Nxph3(+94010)	N/A
Chr11	18964623	18964836	Chr11.10699	Gm16140(-44398)	N/A
Chr11	95494469	95494747	Chr11.107092	Nxph3(+19962),Spoon(+80510)	N/A
Chr11	95495121	95495271	Chr11.107093	Nxph3(+19374),Spoon(+81098)	N/A
Chr11	95495304	95495496	Chr11.107094	Nxph3(+19170),Spoon(+81302)	N/A
Chr11	95507253	95507377	Chr11.107113	Nxph3(-7255),Spoon(+93217)	N/A
Chr11	95508321	95508471	Chr11.107117	Nxph3(+6174),Spoon(+94298)	N/A
Chr11	18970039	18970231	Chr11.10712	Gm16140(-38993)	N/A
Chr11	95514297	95514481	Chr11.107140	Nxph3(+181)	N/A
Chr11	95514532	95514634	Chr11.107145	Nxph3(-13)	N/A
Chr11	95515646	95515793	Chr11.107149	Nxph3(-1159)	N/A
Chr11	18970506	18970654	Chr11.10715	Gm16140(-38548)	N/A
Chr11	95515921	95516025	Chr11.107150	Nxph3(-1403)	N/A
Chr11	95538618	95538717	Chr11.107156	Nxph3(-24098),Ngfr(+49067)	N/A
Chr11	95544341	95544448	Chr11.107167	Nxph3(-29825),Ngfr(+43340)	N/A
Chr11	95555539	95555748	Chr11.107172	Nxph3(-41074),Ngfr(+32091)	N/A
Chr11	95560911	95561038	Chr11.107182	Nxph3(-48405),Ngfr(+26760)	N/A
Chr11	18971589	18971830	Chr11.10721	Gm16140(-37418)	N/A
Chr11	95571491	95571619	Chr11.107215	Nxph3(-56985),Ngfr(+16180)	N/A
Chr11	95579480	95579690	Chr11.107249	Nxph3(-65015),Ngfr(+8150)	N/A
Chr11	95580550	95580681	Chr11.107252	Nxph3(-66048),Ngfr(+7119)	N/A
Chr11	95585317	95585440	Chr11.107271	Nxph3(-70809),Ngfr(+2356)	N/A
Chr11	95594793	95594960	Chr11.107289	Phb(-72080),Ngfr(-7142)	N/A
Chr11	95596039	95596159	Chr11.107298	Phb(-70858),Ngfr(-8364)	N/A
Chr11	95597876	95598168	Chr11.107301	Phb(-68935),Ngfr(-10287)	N/A
Chr11	95600855	95600968	Chr11.107312	Phb(-66045),Ngfr(-13177)	N/A
Chr11	95610887	95611016	Chr11.107314	Phb(-56155),Ngfr(-23067)	N/A
Chr11	95611183	95611376	Chr11.107317	Phb(-58677),Ngfr(-23549)	N/A
Chr11	95614850	95615061	Chr11.107324	Phb(-52001),Ngfr(-27221)	N/A
Chr11	95619148	95619311	Chr11.107332	Phb(-47727),Ngfr(-31495)	N/A
Chr11	95622589	95622730	Chr11.107336	Phb(-44297),Ngfr(-34925)	N/A
Chr11	95631725	95631833	Chr11.107346	Ngfr(-44044),Phb(-35178)	N/A
Chr11	95632624	95632737	Chr11.107348	Ngfr(-44046),Phb(-34276)	N/A
Chr11	95633759	95633893	Chr11.107351	Ngfr(-46091),Phb(-33131)	N/A

Chr11		95634188	95634369	Chr11.107357	<i>Ngr1(-46544),Pnb(-32678)</i>	N/A
Chr11		95635157	95635409	Chr11.107359	<i>Ngr1(-47548),Pnb(-31674)</i>	N/A
Chr11		95636059	95636791	Chr11.107364	<i>Ngr1(-48965),Pnb(-30257)</i>	N/A
Chr11		95639734	95639940	Chr11.107369	<i>Ngr1(-52103),Pnb(-27120)</i>	N/A
Chr11		95642577	95642792	Chr11.107379	<i>Ngr1(-54950),Pnb(-24272)</i>	N/A
Chr11		95644441	95644546	Chr11.107382	<i>Ngr1(-56759),Pnb(-22463)</i>	N/A
Chr11		95645371	95645533	Chr11.107385	<i>Ngr1(-57717),Pnb(-21505)</i>	N/A
Chr11		18973902	18974046	Chr11.107379	<i>Gm16140(-35154)</i>	N/A
Chr11		95645886	95646032	Chr11.107390	<i>Ngr1(-58224),Pnb(-20988)</i>	N/A
Chr11		95676242	95676418	Chr11.107425	<i>Pnb(+9733),Gm9796(+22813)</i>	N/A
Chr11		95676609	95676771	Chr11.107431	<i>Pnb(+9733),Gm9796(+22453)</i>	N/A
Chr11		95677580	95677744	Chr11.107437	<i>Pnb(+10705),Gm9796(+21481)</i>	N/A
Chr11		95678210	95678491	Chr11.107447	<i>Pnb(+11394),Gm9796(+20792)</i>	N/A
Chr11		95688580	95688715	Chr11.107493	<i>Gm9796(+10495),Pnb(+21691)</i>	N/A
Chr11		95688162	95688443	Chr11.107501	<i>Gm9796(+440)</i>	N/A
Chr11		95707875	95708008	Chr11.107510	<i>Zfp652(-4731)</i>	N/A
Chr11		95712009	95712129	Chr11.107521	<i>Zfp652(-604)</i>	N/A
Chr11		95713687	95713830	Chr11.107531	<i>B130006d01rk(-9828),Zfp652(+1086)</i>	N/A
Chr11		95716162	95716594	Chr11.107545	<i>B130006d01rk(-7209),Zfp652(+3705)</i>	N/A
Chr11		18982302	18982721	Chr11.107655	<i>Gm16140(-26616)</i>	N/A
Chr11		95794231	95794359	Chr11.107655	<i>Phospho1(-30205),B130006d01rk(+70708)</i>	N/A
Chr11		95824405	95824530	Chr11.107663	<i>Phospho1(-32)</i>	N/A
Chr11		95824596	95824733	Chr11.107666	<i>Phospho1(+165)</i>	N/A
Chr11		95824776	95824889	Chr11.107668	<i>Phospho1(+333)</i>	N/A
Chr11		95829673	95829883	Chr11.107678	<i>Phospho1(+5278),Ab3(+12631)</i>	N/A
Chr11		95842203	95842317	Chr11.107758	<i>Gnp2(-140),Ab3(+149)</i>	N/A
Chr11		18986972	18987184	Chr11.10782	<i>Gm16140(-22050)</i>	N/A
Chr11		95962235	95962434	Chr11.107870	<i>Bdgaint2(-47444),lgf2bp1(+43605)</i>	N/A
Chr11		95963307	95963409	Chr11.107877	<i>Bdgaint2(-48467),lgf2bp1(+42582)</i>	N/A
Chr11		18988643	18989175	Chr11.10789	<i>Gm16140(-20219)</i>	N/A
Chr11		95982556	95982692	Chr11.107944	<i>Bdgaint2(-67733),lgf2bp1(+23316)</i>	N/A
Chr11		95988622	95988761	Chr11.107946	<i>Bdgaint2(-73801),lgf2bp1(+17248)</i>	N/A
Chr11		95989642	95989781	Chr11.107949	<i>Bdgaint2(-74821),lgf2bp1(+16228)</i>	N/A
Chr11		95991527	95991644	Chr11.107952	<i>Bdgaint2(-76695),lgf2bp1(+14354)</i>	N/A
Chr11		18989674	18990150	Chr11.10796	<i>Gm16140(-19216)</i>	N/A
Chr11		96002151	96002314	Chr11.107960	<i>Bdgaint2(-87342),lgf2bp1(+3707)</i>	N/A
Chr11		96002492	96002713	Chr11.107963	<i>Bdgaint2(-87712),lgf2bp1(+3337)</i>	N/A
Chr11		96002856	96002991	Chr11.107966	<i>Bdgaint2(-88033),lgf2bp1(+3016)</i>	N/A
Chr11		96004801	96004945	Chr11.107971	<i>Bdgaint2(-89982),lgf2bp1(+1067)</i>	N/A
Chr11		96007164	96007318	Chr11.107989	<i>lgf2bp1(-1301)</i>	N/A
Chr11		96012192	96012303	Chr11.108007	<i>Gip(-12297),lgf2bp1(-6308)</i>	N/A
Chr11		96020789	96020927	Chr11.108011	<i>Gip(-3890)</i>	N/A
Chr11		96024404	96024527	Chr11.108015	<i>Gip(-79)</i>	N/A
Chr11		18991193	18991353	Chr11.10803	<i>Gm16140(-17855)</i>	N/A
Chr11		96048571	96048748	Chr11.108057	<i>Srf8(+13775),Ube2z(+16728)</i>	N/A
Chr11		96063159	96063275	Chr11.108093	<i>Ube2z(+2171),Srf8(+28332)</i>	N/A
Chr11		96063310	96063423	Chr11.108095	<i>Ube2z(+2021),Ube2z(+28482)</i>	N/A
Chr11		96065652	96065684	Chr11.108098	<i>Ube2z(+25)</i>	N/A
Chr11		96075606	96076052	Chr11.108116	<i>Atp5g1(-159)</i>	N/A
Chr11		96281629	96281765	Chr11.108434	<i>Hoxb7(-4926),Hoxb8(-208)</i>	N/A
Chr11		19006376	19006545	Chr11.10844	<i>Gm16140(-2667)</i>	N/A
Chr11		19007681	19007894	Chr11.10849	<i>Gm16140(-1340)</i>	N/A
Chr11		19008618	19008811	Chr11.10855	<i>Gm16140(-413)</i>	N/A
Chr11		96303326	96303695	Chr11.108563	<i>Hoxb5(+916)</i>	N/A
Chr11		96313096	96313295	Chr11.108612	<i>Hoxb4(-3488)</i>	N/A
Chr11		96317960	96318165	Chr11.108634	<i>Hoxb3(-5263),Hoxb4(+1379)</i>	N/A
Chr11		19009428	19009669	Chr11.10864	<i>Gm16140(+421)</i>	N/A
Chr11		96319317	96319485	Chr11.108650	<i>Hoxb3(-3935)</i>	N/A
Chr11		96320687	96320860	Chr11.108659	<i>Hoxb3(-2552)</i>	N/A
Chr11		96322006	96322109	Chr11.108666	<i>Hoxb3(-1268)</i>	N/A
Chr11		96322179	96322486	Chr11.108668	<i>Hoxb3(-993)</i>	N/A
Chr11		96324242	96324466	Chr11.108675	<i>Hoxb2(-27278),Hoxb3(+1028)</i>	N/A
Chr11		96326068	96326193	Chr11.108683	<i>Hoxb2(-25501),Hoxb3(+2805)</i>	N/A
Chr11		96328110	96328292	Chr11.108696	<i>Hoxb2(-23431),Hoxb3(+4873)</i>	N/A
Chr11		19010528	19011394	Chr11.10870	<i>Gm16140(+1833),Meis1(+7753)</i>	N/A
Chr11		96333551	96333704	Chr11.108718	<i>Hoxb2(-18004),Hoxb3(+10302)</i>	N/A
Chr11		96339554	96339675	Chr11.108735	<i>Hoxb2(-12017),Hoxb3(+16289)</i>	N/A
Chr11		96340715	96341002	Chr11.108747	<i>Hoxb2(-10773),Hoxb3(+17533)</i>	N/A
Chr11		96341060	96341281	Chr11.108751	<i>Hoxb2(-10461),Hoxb3(+17845)</i>	N/A
Chr11		19011491	19011738	Chr11.10876	<i>Gm16140(-2467),Meis1(+7099)</i>	N/A
Chr11		96342194	96342311	Chr11.108766	<i>Hoxb2(-9379),Hoxb3(+18927)</i>	N/A
Chr11		96342377	96342775	Chr11.108763	<i>Hoxb2(-9056),Hoxb3(+19250)</i>	N/A
Chr11		19012010	19012252	Chr11.10877	<i>Gm16140(+3003),Meis1(+6583)</i>	N/A
Chr11		96344012	96344134	Chr11.108772	<i>Hoxb2(-7559),Hoxb3(+20747)</i>	N/A
Chr11		96345404	96345519	Chr11.108786	<i>Hoxb2(-6170),Hoxb3(+22136)</i>	N/A
Chr11		19012505	19012717	Chr11.10880	<i>Gm16140(+3483),Meis1(+6103)</i>	N/A
Chr11		96348299	96348409	Chr11.108802	<i>Hoxb2(-3278)</i>	N/A
Chr11		96348620	96348902	Chr11.108805	<i>Hoxb2(-2871)</i>	N/A
Chr11		96349083	96349205	Chr11.108807	<i>Hoxb2(-2488)</i>	N/A
Chr11		96349999	96350242	Chr11.108815	<i>Hoxb2(-1511)</i>	N/A
Chr11		96351435	96351661	Chr11.108820	<i>Hoxb2(-84)</i>	N/A
Chr11		19012959	19013094	Chr11.10884	<i>Gm16140(-9899),Meis1(+5687)</i>	N/A
Chr11		96353906	96354016	Chr11.108841	<i>Hoxb1(-11791),Hoxb2(+2329)</i>	N/A
Chr11		96355153	96355267	Chr11.108844	<i>Hoxb1(-10542),Hoxb2(+3578)</i>	N/A
Chr11		19013331	19013517	Chr11.10885	<i>Gm16140(+4296),Meis1(+5290)</i>	N/A
Chr11		96365222	96365683	Chr11.108868	<i>Hoxb1(-159)</i>	N/A
Chr11		96365727	96365849	Chr11.108870	<i>Hoxb1(+36)</i>	N/A
Chr11		96390834	96390935	Chr11.108935	<i>Skap1(-73708),Hoxb1(+25133)</i>	N/A
Chr11		19014551	19014731	Chr11.10894	<i>Meis1(+4073),Gm16140(+5513)</i>	N/A
Chr11		96397005	96397112	Chr11.108940	<i>Skap1(-67534),Hoxb1(+31307)</i>	N/A
Chr11		96397162	96397448	Chr11.108942	<i>Skap1(-67288),Hoxb1(+31553)</i>	N/A
Chr11		96400099	96400253	Chr11.108946	<i>Skap1(-64417),Hoxb1(+34424)</i>	N/A
Chr11		96403971	96404090	Chr11.108949	<i>Skap1(-60562),Hoxb1(+38279)</i>	N/A
Chr11		96404318	96404539	Chr11.108950	<i>Skap1(-60164),Hoxb1(+38677)</i>	N/A
Chr11		96407331	96407444	Chr11.108958	<i>Skap1(-57205),Hoxb1(+41638)</i>	N/A
Chr11		96407673	96407817	Chr11.108960	<i>Skap1(-56848),Hoxb1(+41993)</i>	N/A
Chr11		96408782	96408946	Chr11.108962	<i>Skap1(-55728),Hoxb1(+43113)</i>	N/A
Chr11		96413889	96413857	Chr11.108970	<i>Skap1(-50820),Hoxb1(+46021)</i>	N/A
Chr11		96413914	96414092	Chr11.108973	<i>Skap1(-50590),Hoxb1(+48251)</i>	N/A
Chr11		96421441	96421610	Chr11.108985	<i>Skap1(-43067),Hoxb1(+55774)</i>	N/A
Chr11		19015144	19015316	Chr11.10900	<i>Meis1(+3484),Gm16140(+6102)</i>	N/A
Chr11		96439191	96439302	Chr11.109006	<i>Skap1(-25346),Hoxb1(+73495)</i>	N/A
Chr11		96436489	96436796	Chr11.109023	<i>Skap1(-7951),Hoxb1(+90890)</i>	N/A
Chr11		96457165	96457576	Chr11.109031	<i>Skap1(-7222),Hoxb1(+91619)</i>	N/A
Chr11		96461493	96461683	Chr11.109039	<i>Skap1(-3005)</i>	N/A
Chr11		96461756	96461879	Chr11.109044	<i>Skap1(-2775)</i>	N/A
Chr11		96462006	96462444	Chr11.109046	<i>Skap1(-2368)</i>	N/A
Chr11		19016800	19016940	Chr11.10917	<i>Meis1(+1844),Gm16140(+7742)</i>	N/A
Chr11		19017216	19017660	Chr11.10919	<i>Meis1(+1276),Gm16140(+6310)</i>	N/A
Chr11		19017983	19018124	Chr11.10926	<i>Meis1(+680)</i>	N/A
Chr11		19018155	19018312	Chr11.10928	<i>Meis1(+480)</i>	N/A
Chr11		19018568	19018685	Chr11.10929	<i>Meis1(+87)</i>	N/A
Chr11		19018928	19019098	Chr11.10931	<i>Meis1(-299)</i>	N/A
Chr11		96578903	96579385	Chr11.109318	<i>Skap1(+114551),Snx11(+198387)</i>	N/A
Chr11		19019807	19019812	Chr11.10933	<i>Meis1(-1041)</i>	N/A
Chr11		19020477	19020693	Chr11.10934	<i>Meis1(-1871)</i>	N/A
Chr11		96594173	96594591	Chr11.109360	<i>Skap1(+129789),Snx11(+183149)</i>	N/A
Chr11		96595828	96596436	Chr11.109368	<i>Skap1(+131539),Snx11(+181399)</i>	N/A
Chr11		96604720	96604858	Chr11.109407	<i>Skap1(+140196),Snx11(+172742)</i>	N/A
Chr11		19022214	19022353	Chr11.10941	<i>Meis1(-3570)</i>	N/A
Chr11		96619496	96619654	Chr11.109437	<i>Skap1(+154982),Snx11(+157956)</i>	N/A
Chr11		96620728	96621077	Chr11.109446	<i>Skap1(+156310),Snx11(+156628)</i>	N/A
Chr11		19023087	19023220	Chr11.10945	<i>Meis1(-4440)</i>	N/A
Chr11		19023474	19023645	Chr11.10947	<i>Meis1(-4846)</i>	N/A
Chr11		96642832	96642945	Chr11.109524	<i>Snx11(+134642),Skap1(+178296)</i>	N/A
Chr11		96643400	96643522	Chr11.109526	<i>Snx11(+134070),Skap1(+178868)</i>	N/A
Chr11		96644517	96645028	Chr11.109531	<i>Snx11(+132758),Skap1(+180180)</i>	N/A
Chr11		96645652	96645862	Chr11.109536	<i>Snx11(+131774),Skap1(+181164)</i>	N/A
Chr11		96645898	96646168	Chr11.109538	<i>Snx11(+131498),Skap1(+181440)</i>	N/A
Chr11		96646249	96646379	Chr11.109541	<i>Snx11(+131217),Skap1(+181721)</i>	N/A
Chr11		96646779	96646995	Chr11.109546	<i>Snx11(+130644),Skap1(+182294)</i>	N/A
Chr11		96647037	96647204	Chr11.109548	<i>Snx11(+130410),Skap1(+182528)</i>	N/A
Chr11		19026194	19026326	Chr11.10961	<i>Sprd2(-898182),Meis1(-7546)</i>	N/A
Chr11		96696392	96696732	Chr11.109667	<i>Snx11(+80969),Skap1(+231969)</i>	N/A
Chr11		19030802	19030920	Chr11.10967	<i>Sprd2(-893581),Meis1(-12147)</i>	N/A
Chr11		96713827	96713949	Chr11.109714	<i>Snx11(+63643),Skap1(+249295)</i>	N/A
Chr11		96732912	96733047	Chr11.109787	<i>Snx11(+144551),Skap1(+268387)</i>	N/A
Chr11		96735912	96736047	Chr11.109791	<i>Snx11(+41551),Skap1(+271387)</i>	N/A

Chr11	96736109	96736252	Chr11.109793	<i>Snx11(+41350), Skap1(+271588)</i>	N/A
Chr11	96743093	96743399	Chr11.109833	<i>Snx11(+34285), Skap1(+278653)</i>	N/A
Chr11	96745355	96745734	Chr11.109844	<i>Snx11(+31986), Skap1(+280952)</i>	N/A
Chr11	96747058	96747225	Chr11.109853	<i>Snx11(+30389), Skap1(+282549)</i>	N/A
Chr11	96747324	96747434	Chr11.109857	<i>Snx11(+30152), Skap1(+282786)</i>	N/A
Chr11	96763253	96763352	Chr11.109884	<i>Snx11(+14228), Skap1(+298710)</i>	N/A
Chr11	96764654	96764963	Chr11.109887	<i>Snx11(+12722), Skap1(+300216)</i>	N/A
Chr11	96766998	96767650	Chr11.109892	<i>Snx11(+10207), Skap1(+302731)</i>	N/A
Chr11	96767769	96767937	Chr11.109898	<i>Snx11(+9678), Skap1(+303260)</i>	N/A
Chr11	96768109	96768224	Chr11.109900	<i>Snx11(+9364), Skap1(+303574)</i>	N/A
Chr11	96775043	96775716	Chr11.109929	<i>Snx11(+2151), Skap1(+310787)</i>	N/A
Chr11	96789266	96789377	Chr11.109934	<i>Cbx1(+163)</i>	N/A
Chr11	96817912	96818111	Chr11.109970	<i>Nfe2l1(+11956), Cbx1(+28653)</i>	N/A
Chr11	96825806	96826082	Chr11.10998	<i>Spred2(-871508), Meis1(-34220)</i>	N/A
Chr11	96823549	96823763	Chr11.110023	<i>Nfe2l1(+6312), Cbx1(+34497)</i>	N/A
Chr11	96823803	96824001	Chr11.110025	<i>Nfe2l1(+6066), Cbx1(+34743)</i>	N/A
Chr11	96824113	96824445	Chr11.110026	<i>Nfe2l1(+5689), Cbx1(+35120)</i>	N/A
Chr11	96824489	96824590	Chr11.110027	<i>Nfe2l1(+5428), Cbx1(+35381)</i>	N/A
Chr11	96825348	96825588	Chr11.11003	<i>Spred2(-870939), Meis1(-34789)</i>	N/A
Chr11	96825140	96825443	Chr11.110031	<i>Nfe2l1(+4678), Cbx1(+36133)</i>	N/A
Chr11	96826649	96826769	Chr11.110034	<i>Nfe2l1(+3259), Cbx1(+37550)</i>	N/A
Chr11	96827889	96828081	Chr11.110040	<i>Nfe2l1(+1983), Cbx1(+38826)</i>	N/A
Chr11	96828125	96828256	Chr11.110044	<i>Nfe2l1(+1777), Cbx1(+39032)</i>	N/A
Chr11	96853617	96853850	Chr11.11005	<i>Spred2(-870700), Meis1(-35020)</i>	N/A
Chr11	96833355	96833467	Chr11.110061	<i>Nfe2l1(+443)</i>	N/A
Chr11	96840504	96840639	Chr11.110073	<i>Nfe2l1(+10604), Copz2(-9304)</i>	N/A
Chr11	96850360	96850465	Chr11.110074	<i>Copz2(+537)</i>	N/A
Chr11	96875831	96876210	Chr11.110106	<i>Copz2(+26145), Cdk5rap3(+40475)</i>	N/A
Chr11	96876281	96876397	Chr11.110108	<i>Copz2(+26463), Cdk5rap3(+40157)</i>	N/A
Chr11	96892210	96892502	Chr11.110126	<i>Cdk5rap3(+24138), Copz2(+42452)</i>	N/A
Chr11	96894455	96894793	Chr11.110138	<i>Cdk5rap3(+16872), Copz2(+49748)</i>	N/A
Chr11	96901338	96901651	Chr11.110146	<i>Cdk5rap3(+15001), Copz2(+51619)</i>	N/A
Chr11	96906895	96907324	Chr11.110160	<i>Cdk5rap3(+9386), Copz2(+57234)</i>	N/A
Chr11	96956046	96956222	Chr11.11021	<i>Spred2(-868308), Meis1(-37420)</i>	N/A
Chr11	96914061	96914253	Chr11.110226	<i>Cdk5rap3(+2339), Copz2(+64281)</i>	N/A
Chr11	96916493	96916636	Chr11.110231	<i>Cdk5rap3(-69)</i>	N/A
Chr11	96929159	96929264	Chr11.110245	<i>Prr15(-112)</i>	N/A
Chr11	96956838	96956965	Chr11.11028	<i>Spred2(-867540), Meis1(-38188)</i>	N/A
Chr11	96944021	96944222	Chr11.110305	<i>Pnpol(-136)</i>	N/A
Chr11	9695267	96952498	Chr11.11031	<i>Spred2(-867059), Meis1(-38669)</i>	N/A
Chr11	96953752	96953942	Chr11.110319	<i>Pnpol(-8801), Sp2(+2381)</i>	N/A
Chr11	96969821	96970011	Chr11.110377	<i>Pnpol(-25930), Sp2(+7772)</i>	N/A
Chr11	96976051	96976187	Chr11.110382	<i>Pnpol(-32133), Sp2(+1569)</i>	N/A
Chr11	96976629	96976736	Chr11.110384	<i>Pnpol(-32697), Sp2(+1005)</i>	N/A
Chr11	96977461	96978105	Chr11.110389	<i>Sp2(-95)</i>	N/A
Chr11	96985029	96985180	Chr11.110410	<i>Sp6(-33628), Sp2(-7417)</i>	N/A
Chr11	96984655	96984846	Chr11.110422	<i>Sp6(-30162), Sp2(-10863)</i>	N/A
Chr11	96992964	96993175	Chr11.110434	<i>Sp6(-25663), Sp2(-15382)</i>	N/A
Chr11	96997405	96997519	Chr11.110444	<i>Sp6(-21271), Sp2(-19774)</i>	N/A
Chr11	96997566	96997675	Chr11.110445	<i>Sp6(-21112), Sp2(-19933)</i>	N/A
Chr11	97001310	97001534	Chr11.110458	<i>Sp2(-23734), Sp6(-17311)</i>	N/A
Chr11	97002987	97003222	Chr11.110461	<i>Sp2(-25422), Sp6(-15623)</i>	N/A
Chr11	97004899	97005007	Chr11.110468	<i>Sp2(-27269), Sp6(-13780)</i>	N/A
Chr11	97007475	97007619	Chr11.110470	<i>Sp2(-29659), Sp6(-11186)</i>	N/A
Chr11	97008098	97008419	Chr11.110471	<i>Sp2(-30571), Sp6(-10474)</i>	N/A
Chr11	97010719	97010905	Chr11.110473	<i>Sp2(-33124), Sp6(-7921)</i>	N/A
Chr11	97018671	97018780	Chr11.110479	<i>Sp6(-7)</i>	N/A
Chr11	97019353	97019393	Chr11.11048	<i>Spred2(-832798), Meis1(-72930)</i>	N/A
Chr11	97019687	97019873	Chr11.110482	<i>Sp6(+687)</i>	N/A
Chr11	97024610	97024724	Chr11.110518	<i>Scrn2(-5271), Sp6(+5934)</i>	N/A
Chr11	97025037	97025169	Chr11.110520	<i>Scrn2(-4835)</i>	N/A
Chr11	97025810	97025939	Chr11.110525	<i>Scrn2(-4063)</i>	N/A
Chr11	19094134	19094268	Chr11.11058	<i>Spred2(-830242), Meis1(-75486)</i>	N/A
Chr11	37619441	3762069	Chr11.1107	<i>Cobp2(-101898), Morc2a(+112511)</i>	N/A
Chr11	19094491	19094858	Chr11.11075	<i>Spred2(-82967), Meis1(-75961)</i>	N/A
Chr11	19095077	19095321	Chr11.11080	<i>Spred2(-829243), Meis1(-76485)</i>	N/A
Chr11	19103106	19103325	Chr11.11082	<i>Spred2(-821226), Meis1(-84502)</i>	N/A
Chr11	97123642	97123900	Chr11.110830	<i>Tbx21(-8440), Ttkbp1(+25941)</i>	N/A
Chr11	97126861	97127162	Chr11.110840	<i>Tbx21(-11681), Ttkbp1(+22700)</i>	N/A
Chr11	97132356	97132456	Chr11.110849	<i>Tbx21(-17075), Ttkbp1(+17306)</i>	N/A
Chr11	97133394	97133493	Chr11.110851	<i>Tbx21(-18113), Ttkbp1(+16268)</i>	N/A
Chr11	97136499	97136755	Chr11.110860	<i>Tbx21(-21296), Ttkbp1(+13085)</i>	N/A
Chr11	97140513	97140644	Chr11.110880	<i>Tbx21(-25248), Ttkbp1(+9133)</i>	N/A
Chr11	97142172	97142346	Chr11.110888	<i>Tbx21(-26930), Ttkbp1(+7451)</i>	N/A
Chr11	97143510	97143791	Chr11.110892	<i>Tbx21(-28320), Ttkbp1(+6061)</i>	N/A
Chr11	97107403	97107676	Chr11.11091	<i>Spred2(-816902), Meis1(-88826)</i>	N/A
Chr11	97150076	97150187	Chr11.110922	<i>Ttkbp1(-420)</i>	N/A
Chr11	97150291	97150431	Chr11.110925	<i>Ttkbp1(-649)</i>	N/A
Chr11	97154327	97154426	Chr11.110930	<i>Ttkbp1(-4665)</i>	N/A
Chr11	97159650	97159698	Chr11.110933	<i>Ttkbp1(-10707), Kpn1(+28062)</i>	N/A
Chr11	97160501	97160663	Chr11.110938	<i>Ttkbp1(-10673), Kpn1(+27296)</i>	N/A
Chr11	97160763	97160949	Chr11.110940	<i>Ttkbp1(-11144), Kpn1(+27025)</i>	N/A
Chr11	97187026	97187263	Chr11.110992	<i>Kpn1(+736)</i>	N/A
Chr11	97187812	97187916	Chr11.110997	<i>Kpn1(+17)</i>	N/A
Chr11	97187963	97188122	Chr11.110998	<i>Kpn1(-162)</i>	N/A
Chr11	19101106	19101545	Chr11.11100	<i>Spred2(-815116), Meis1(-90612)</i>	N/A
Chr11	97188281	97188435	Chr11.111005	<i>Kpn1(-477)</i>	N/A
Chr11	97223627	97223916	Chr11.111027	<i>Kpn1(-35891), Npepps(+56866)</i>	N/A
Chr11	97241372	97241493	Chr11.111049	<i>Kpn1(-53552), Npepps(+39205)</i>	N/A
Chr11	97279417	97279548	Chr11.111095	<i>Kpn1(-91602), Npepps(+1155)</i>	N/A
Chr11	97279587	97279742	Chr11.111097	<i>Npepps(+973)</i>	N/A
Chr11	97286238	97286350	Chr11.111104	<i>Mrp45(-29422), Npepps(-5656)</i>	N/A
Chr11	97289584	97289722	Chr11.111109	<i>Mrp45(-26063), Npepps(-9015)</i>	N/A
Chr11	97309439	97309679	Chr11.111121	<i>Npepps(-28921), Mrp45(-6157)</i>	N/A
Chr11	97331812	97331922	Chr11.111165	<i>Mrp45(+16151), Gpr179(+20149)</i>	N/A
Chr11	19118029	19118313	Chr11.111120	<i>Spred2(-806271), Meis1(-99457)</i>	N/A
Chr11	97352407	97352519	Chr11.111300	<i>Gpr179(-447)</i>	N/A
Chr11	97365070	97365388	Chr11.111310	<i>Arhgap23(-44931), Socs7(+2678)</i>	N/A
Chr11	97365558	97366003	Chr11.111316	<i>Arhgap23(-84329), Socs7(+3280)</i>	N/A
Chr11	97370647	97370992	Chr11.111334	<i>Arhgap23(-79340), Socs7(+8269)</i>	N/A
Chr11	97372865	97373003	Chr11.111342	<i>Arhgap23(-77226), Socs7(+10383)</i>	N/A
Chr11	19120392	19120758	Chr11.11137	<i>Spred2(-803867), Meis1(-101861)</i>	N/A
Chr11	97393579	97393684	Chr11.111381	<i>Arhgap23(-56528), Socs7(+31081)</i>	N/A
Chr11	97401323	97401432	Chr11.111409	<i>Arhgap23(-48782), Socs7(+38827)</i>	N/A
Chr11	19120958	19121096	Chr11.11141	<i>Spred2(-803415), Meis1(-102313)</i>	N/A
Chr11	97404980	97405102	Chr11.111420	<i>Arhgap23(-45119), Socs7(+42490)</i>	N/A
Chr11	97406503	97406638	Chr11.111424	<i>Arhgap23(-43589), Socs7(+44020)</i>	N/A
Chr11	97415923	97416038	Chr11.111429	<i>Arhgap23(-34179), Socs7(+53430)</i>	N/A
Chr11	97416151	97416264	Chr11.111431	<i>Arhgap23(-33857), Socs7(+53652)</i>	N/A
Chr11	97418805	97419038	Chr11.111435	<i>Arhgap23(-31238), Socs7(+56371)</i>	N/A
Chr11	97422580	97422797	Chr11.111438	<i>Arhgap23(-27471), Socs7(+60138)</i>	N/A
Chr11	97431479	97431609	Chr11.111448	<i>Arhgap23(-18616), Socs7(+68993)</i>	N/A
Chr11	97435862	97436013	Chr11.111454	<i>Arhgap23(-14222), Socs7(+73387)</i>	N/A
Chr11	97437393	97438021	Chr11.111458	<i>Arhgap23(-12253), Socs7(+75356)</i>	N/A
Chr11	97438965	97439074	Chr11.111462	<i>Arhgap23(-11140), Socs7(+76469)</i>	N/A
Chr11	97441972	97442110	Chr11.111470	<i>Arhgap23(-8119), Socs7(+79490)</i>	N/A
Chr11	97450041	97450151	Chr11.111494	<i>Arhgap23(-64)</i>	N/A
Chr11	97450621	97450746	Chr11.111495	<i>Arhgap23(+524)</i>	N/A
Chr11	19130476	19130578	Chr11.11151	<i>Spred2(-793915), Meis1(-111813)</i>	N/A
Chr11	97491635	97491735	Chr11.111506	<i>4933428g20r(-8655), Arhgap23(+41525)</i>	N/A
Chr11	97502115	97502429	Chr11.111607	<i>4933428g20r(-1932)</i>	N/A
Chr11	97509610	97509831	Chr11.111613	<i>4933428g20r(-9381), Scrin1(+65494)</i>	N/A
Chr11	97522301	97522528	Chr11.111641	<i>4933428g20r(-22075), Scrin1(+62800)</i>	N/A
Chr11	19138499	19138899	Chr11.11169	<i>Spred2(-785743), Meis1(-119985)</i>	N/A
Chr11	19143355	19143480	Chr11.11172	<i>Spred2(-781034), Meis1(-124694)</i>	N/A
Chr11	19143526	19143659	Chr11.11175	<i>Spred2(-780849), Meis1(-124879)</i>	N/A
Chr11	97542429	97542587	Chr11.111751	<i>4933428g20r(-42168), Scrin1(+32707)</i>	N/A
Chr11	97543547	97543684	Chr11.111757	<i>4933428g20r(-43276), Scrin1(+31599)</i>	N/A
Chr11	97558213	97558390	Chr11.111777	<i>4933428g20r(-57962), Scrin1(+16913)</i>	N/A
Chr11	97559164	97559286	Chr11.111778	<i>4933428g20r(-58685), Scrin1(+15990)</i>	N/A
Chr11	97563387	97563536	Chr11.111790	<i>4933428g20r(-65122), Scrin1(+8350)</i>	N/A
Chr11	97566687	97566810	Chr11.111795	<i>4933428g20r(-66409), Scrin1(+8466)</i>	N/A
Chr11	19143829	19144210	Chr11.11180	<i>Spred2(-780422), Meis1(-125306)</i>	N/A
Chr11	97571809	97572038	Chr11.111804	<i>4933428g20r(-71584), Scrin1(+3291)</i>	N/A
Chr11	97573789	97573932	Chr11.111817	<i>4933428g20r(-73521), Scrin1(+1354)</i>	N/A
Chr11	97576819	97576831	Chr11.111823	<i>Scrin1(+510)</i>	N/A
Chr11	97578450	97578561	Chr11.111827	<i>Scrin1(-3291)</i>	N/A

Chr11	97590275	97590496	Chr11.111831	<i>Scin1f(-15171),Epop(+39330)</i>	N/A
Chr11	97611220	97611322	Chr11.111845	<i>Scin1f(-36056),Epop(+18445)</i>	N/A
Chr11	97629464	97629742	Chr11.111858	<i>Epop(+113)</i>	N/A
Chr11	97629785	97629901	Chr11.111863	<i>Epop(-127)</i>	N/A
Chr11	97664203	97664332	Chr11.111883	<i>MI16(+854)</i>	N/A
Chr11	97660682	97661035	Chr11.11194	<i>Spred2(-763583),Meis1(-142145)</i>	N/A
Chr11	97682466	97682657	Chr11.111957	<i>Cisd3(-3391)</i>	N/A
Chr11	97685189	97685448	Chr11.111964	<i>Cisd3(-634)</i>	N/A
Chr11	97694871	97695074	Chr11.112022	<i>Pcp2(-4441),Cisd3(+9020)</i>	N/A
Chr11	97715153	97715336	Chr11.112064	<i>Pamb3(+11840),Pip4k2b(+29459)</i>	N/A
Chr11	97733821	97734149	Chr11.112126	<i>Pip4k2b(+10719),Pamb3(+30586)</i>	N/A
Chr11	97745128	97745269	Chr11.112141	<i>Pip4k2b(-495)</i>	N/A
Chr11	97800606	97800713	Chr11.112231	<i>B230217c12nik(-40120),Laspl1(+1095)</i>	N/A
Chr11	97802267	97802388	Chr11.112238	<i>B230217c12nik(-39452),Laspl1(+2763)</i>	N/A
Chr11	97822883	97823093	Chr11.112267	<i>B230217c12nik(-17742),Laspl1(+25473)</i>	N/A
Chr11	97850578	97860707	Chr11.112447	<i>Fbxo47(-96489),Flvcd1(+5756)</i>	N/A
Chr11	98001500	98001837	Chr11.112478	<i>Arfsc(-5488),Cacnb1(+20965)</i>	N/A
Chr11	97914573	97914742	Chr11.11254	<i>Spred2(-729784),Meis1(-175944)</i>	N/A
Chr11	98016988	98017109	Chr11.112549	<i>Arfsc(-20868),Cacnb1(+5585)</i>	N/A
Chr11	98018262	98018428	Chr11.112552	<i>Arfsc(-22164),Cacnb1(+4289)</i>	N/A
Chr11	98019334	98019467	Chr11.112556	<i>Arfsc(-23220),Cacnb1(+3233)</i>	N/A
Chr11	98021280	98021522	Chr11.112567	<i>Arfsc(-25220),Cacnb1(+1233)</i>	N/A
Chr11	98034981	98035115	Chr11.112594	<i>Rpl19(+8124),Stac2(+18414)</i>	N/A
Chr11	98036622	98036773	Chr11.112598	<i>Rpl19(+9774),Stac2(+16764)</i>	N/A
Chr11	979197951	979198106	Chr11.11261	<i>Spred2(-726413),Meis1(-179315)</i>	N/A
Chr11	98053240	98053365	Chr11.112650	<i>Stac2(+159)</i>	N/A
Chr11	98053410	98053531	Chr11.112654	<i>Stac2(-9)</i>	N/A
Chr11	98088665	98088851	Chr11.112683	<i>Stac2(-35296),Fbx20(+60854)</i>	N/A
Chr11	98088976	98089126	Chr11.112685	<i>Stac2(-35589),Fbx20(+60561)</i>	N/A
Chr11	98089220	98089586	Chr11.112689	<i>Stac2(-35941),Fbx20(+60209)</i>	N/A
Chr11	98135891	98136068	Chr11.112723	<i>Stac2(-62518),Fbx20(+13632)</i>	N/A
Chr11	98149239	98149440	Chr11.112733	<i>Fbx20(+223)</i>	N/A
Chr11	98150101	98150200	Chr11.112737	<i>Fbx20(-639)</i>	N/A
Chr11	98152861	98153269	Chr11.112747	<i>Fbx20(-3453)</i>	N/A
Chr11	98203619	98204290	Chr11.11276	<i>Spred2(-720487),Meis1(-185241)</i>	N/A
Chr11	98193162	98193303	Chr11.112801	<i>Med1(+60)</i>	N/A
Chr11	98202852	98203075	Chr11.112805	<i>Cdk12(-471)</i>	N/A
Chr11	98204587	98204763	Chr11.11285	<i>Spred2(-719767),Meis1(-185961)</i>	N/A
Chr11	98260640	98261098	Chr11.112952	<i>Cdk12(+57534),Neurod2(+68779)</i>	N/A
Chr11	98265911	98266135	Chr11.112957	<i>Cdk12(+62688),Neurod2(+63625)</i>	N/A
Chr11	98219554	98219662	Chr11.11298	<i>Spred2(-704834),Meis1(-200894)</i>	N/A
Chr11	98283987	98283914	Chr11.112991	<i>Neurod2(+45840),Cdk12(+80473)</i>	N/A
Chr11	98284355	98284534	Chr11.112995	<i>Neurod2(+45203),Cdk12(+81110)</i>	N/A
Chr11	98284603	98284717	Chr11.112996	<i>Neurod2(+44988),Cdk12(+81325)</i>	N/A
Chr11	98287644	98287830	Chr11.113001	<i>Neurod2(+41911),Cdk12(+84402)</i>	N/A
Chr11	98289665	98289814	Chr11.113008	<i>Neurod2(+39908),Cdk12(+86405)</i>	N/A
Chr11	98289987	98290282	Chr11.113010	<i>Neurod2(+39523),Cdk12(+86790)</i>	N/A
Chr11	98294738	98294984	Chr11.113024	<i>Neurod2(+34832),Cdk12(+91481)</i>	N/A
Chr11	98298119	98298247	Chr11.113031	<i>Neurod2(+31465),Cdk12(+94848)</i>	N/A
Chr11	98298551	98298853	Chr11.113034	<i>Neurod2(+30946),Cdk12(+95367)</i>	N/A
Chr11	98330108	98330322	Chr11.113091	<i>Neurod2(-567)</i>	N/A
Chr11	98334288	98334556	Chr11.113099	<i>Neurod2(-4774)</i>	N/A
Chr11	98342384	98342670	Chr11.113109	<i>Neurod2(-12879),Fpp1r1b(-5877)</i>	N/A
Chr11	98353804	98354164	Chr11.113136	<i>Star3(-4319)</i>	N/A
Chr11	98371638	98371756	Chr11.113163	<i>Tcap(-12114),Stard3(+13329)</i>	N/A
Chr11	98374585	98374706	Chr11.113172	<i>Tcap(-9165),Stard3(+16278)</i>	N/A
Chr11	98384585	98384713	Chr11.113241	<i>Pnnl(-1801),Tcap(+838)</i>	N/A
Chr11	98392074	98392232	Chr11.113306	<i>Pnnl(+5703),Pgag3(+8337)</i>	N/A
Chr11	98394360	98394591	Chr11.113313	<i>Pgag3(+6014),Pnnl(+8026)</i>	N/A
Chr11	98412338	98412515	Chr11.113334	<i>Erbp2(-43)</i>	N/A
Chr11	98414277	98414431	Chr11.113339	<i>Erbp2(+1884),Mien1(+24637)</i>	N/A
Chr11	98418449	98418557	Chr11.113341	<i>Erbp2(+6033),Mien1(+20488)</i>	N/A
Chr11	98419596	98419798	Chr11.113348	<i>Erbp2(+7227),Mien1(+19294)</i>	N/A
Chr11	98448684	98448790	Chr11.1133529	<i>Grb7(+1903),Irf3(+97063)</i>	N/A
Chr11	98458211	98458321	Chr11.113356	<i>Grb7(+1432),Irf3(+87534)</i>	N/A
Chr11	98470147	98470515	Chr11.113640	<i>Grb7(+23497),Irf3(+75469)</i>	N/A
Chr11	98493081	98493313	Chr11.113719	<i>Grb7(+46363),Irf3(+52603)</i>	N/A
Chr11	98493559	98493703	Chr11.113722	<i>Grb7(+46797),Irf3(+52169)</i>	N/A
Chr11	98545634	98546017	Chr11.113763	<i>Irf3(-26)</i>	N/A
Chr11	98581228	98581380	Chr11.113813	<i>Omd3(+8064),Zbp2(+30152)</i>	N/A
Chr11	98582536	98582650	Chr11.113820	<i>Omd3(+475),Zbp2(+31441)</i>	N/A
Chr11	98586246	98586356	Chr11.113840	<i>Omd3(+1067),Zbp2(+35149)</i>	N/A
Chr11	98597875	98598051	Chr11.113853	<i>Omd3(-10595),Gm12355(+27698)</i>	N/A
Chr11	98700552	98700703	Chr11.113983	<i>Csf3(-635)</i>	N/A
Chr11	98701090	98701321	Chr11.113986	<i>Csf3(-57)</i>	N/A
Chr11	98721609	98721760	Chr11.114126	<i>Med24(-7750),Csf3(+20422)</i>	N/A
Chr11	98738966	98738822	Chr11.114140	<i>Thra(-3129)</i>	N/A
Chr11	98740639	98740845	Chr11.114146	<i>Thra(-1131)</i>	N/A
Chr11	98742917	98743039	Chr11.114150	<i>Thra(+1105),Nr1d1(+32355)</i>	N/A
Chr11	98743113	98743245	Chr11.114152	<i>Thra(+1306),Nr1d1(+32154)</i>	N/A
Chr11	98743283	98743533	Chr11.114155	<i>Thra(+1535),Nr1d1(+31925)</i>	N/A
Chr11	98744346	98744499	Chr11.114163	<i>Thra(+2550),Nr1d1(+30910)</i>	N/A
Chr11	98744650	98744750	Chr11.114168	<i>Thra(+2827),Nr1d1(+30633)</i>	N/A
Chr11	98745003	98745108	Chr11.114171	<i>Thra(+3183),Nr1d1(+30277)</i>	N/A
Chr11	98747400	98747653	Chr11.114174	<i>Thra(+5654),Nr1d1(+27806)</i>	N/A
Chr11	98748042	98748156	Chr11.114179	<i>Thra(+6226),Nr1d1(+27234)</i>	N/A
Chr11	98749426	98749455	Chr11.114187	<i>Thra(+1478),Nr1d1(+25982)</i>	N/A
Chr11	98750587	98750714	Chr11.114195	<i>Thra(+8778),Nr1d1(+24682)</i>	N/A
Chr11	98750891	98751077	Chr11.114197	<i>Thra(+9111),Nr1d1(+24349)</i>	N/A
Chr11	98751286	98751395	Chr11.114199	<i>Thra(+9468),Nr1d1(+23992)</i>	N/A
Chr11	98753370	98753639	Chr11.114207	<i>Thra(+11632),Nr1d1(+21828)</i>	N/A
Chr11	98754341	98754537	Chr11.114213	<i>Thra(+12566),Nr1d1(+20894)</i>	N/A
Chr11	98754989	98755201	Chr11.114217	<i>Thra(+13222),Nr1d1(+20238)</i>	N/A
Chr11	98765399	98765657	Chr11.114253	<i>Nr1d1(+18905),Thra(+23655)</i>	N/A
Chr11	98765809	98766015	Chr11.114258	<i>Nr1d1(+9421),Thra(+24039)</i>	N/A
Chr11	98766159	98766363	Chr11.114262	<i>Nr1d1(+9072),Thra(+24388)</i>	N/A
Chr11	98766821	98767023	Chr11.114264	<i>Nr1d1(+8661),Thra(+24799)</i>	N/A
Chr11	98769855	98767141	Chr11.114267	<i>Nr1d1(+8255),Thra(+25165)</i>	N/A
Chr11	98767173	98767822	Chr11.114269	<i>Nr1d1(+7835),Thra(+25625)</i>	N/A
Chr11	98772556	98773189	Chr11.114310	<i>Nr1d1(+2260),Thra(+31200)</i>	N/A
Chr11	98773741	98773920	Chr11.114315	<i>Nr1d1(+1502),Thra(+31958)</i>	N/A
Chr11	98774026	98774218	Chr11.114317	<i>Nr1d1(+1211),Thra(+32249)</i>	N/A
Chr11	98774651	98775397	Chr11.114322	<i>Nr1d1(-309)</i>	N/A
Chr11	98775486	98775716	Chr11.114330	<i>Nr1d1(-268)</i>	N/A
Chr11	98775909	98776022	Chr11.114334	<i>Nr1d1(-633)</i>	N/A
Chr11	98776948	98777048	Chr11.114336	<i>Nr1d1(-1665)</i>	N/A
Chr11	98782212	98782481	Chr11.114347	<i>Msl1(-13169),Nr1d1(-7014)</i>	N/A
Chr11	98782541	98782679	Chr11.114351	<i>Msl1(-12906),Nr1d1(-7277)</i>	N/A
Chr11	98783396	98783559	Chr11.114354	<i>Msl1(-12043),Nr1d1(-8140)</i>	N/A
Chr11	98785117	98785319	Chr11.114357	<i>Msl1(-10296),Nr1d1(-9889)</i>	N/A
Chr11	98785778	98785975	Chr11.114361	<i>Nr1d1(-10544),Msl1(-9639)</i>	N/A
Chr11	98789063	98789176	Chr11.114377	<i>Nr1d1(-13787),Msl1(-6396)</i>	N/A
Chr11	98794500	98794612	Chr11.114382	<i>Msl1(-960)</i>	N/A
Chr11	98796851	98796974	Chr11.114389	<i>Casc3(-7992),Msl1(+1397)</i>	N/A
Chr11	98797899	98797789	Chr11.114398	<i>Casc3(-7216),Msl1(+2173)</i>	N/A
Chr11	98797823	98798178	Chr11.114400	<i>Casc3(-6904),Msl1(+2485)</i>	N/A
Chr11	98801347	98802425	Chr11.114413	<i>Casc3(-3019)</i>	N/A
Chr11	98806497	98806892	Chr11.114444	<i>Rapgef1(-30090),Casc3(+1790)</i>	N/A
Chr11	98835412	98835602	Chr11.114522	<i>Rapgef1(-1278)</i>	N/A
Chr11	98835853	98835982	Chr11.114526	<i>Rapgef1(-867)</i>	N/A
Chr11	98835853	98835982	Chr11.114526	<i>Spred2(-613612),Meis1(-292116)</i>	N/A
Chr11	98835858	98838810	Chr11.114545	<i>Wip2(-24939),Rapgef1(+1914)</i>	N/A
Chr11	98839575	98839727	Chr11.114550	<i>Wip2(-23987),Rapgef1(+2866)</i>	N/A
Chr11	98852353	98852591	Chr11.114598	<i>Wip2(-11166),Rapgef1(+15687)</i>	N/A
Chr11	98863558	98863679	Chr11.114606	<i>Wip2(-19)</i>	N/A
Chr11	98872109	98872428	Chr11.114625	<i>Cdc6(-35882),Wip2(+8631)</i>	N/A
Chr11	98890641	98890868	Chr11.114666	<i>Cdc6(-8396),Wip2(+36117)</i>	N/A
Chr11	98894528	98894529	Chr11.11467	<i>Spred2(-579043),Meis1(-326685)</i>	N/A
Chr11	98899914	98900015	Chr11.114670	<i>Cdc6(-8186),Wip2(+36327)</i>	N/A
Chr11	98902140	98902407	Chr11.114689	<i>Cdc6(-5877),Wip2(+38636)</i>	N/A
Chr11	98902437	98902573	Chr11.114692	<i>Cdc6(-5649),Wip2(+38667)</i>	N/A
Chr11	98902825	98903174	Chr11.114699	<i>Cdc6(-5151),Wip2(+39362)</i>	N/A
Chr11	98903404	98903609	Chr11.114705	<i>Cdc6(-4644)</i>	N/A
Chr11	98904681	98904808	Chr11.114710	<i>Cdc6(-3406)</i>	N/A
Chr11	98906982	98907100	Chr11.114717	<i>Cdc6(-1110)</i>	N/A
Chr11	98922679	98922785	Chr11.114776	<i>Rara(-14986),Cdc6(+14581)</i>	N/A
Chr11	98922650	98923334	Chr11.114778	<i>Rara(-14576),Cdc6(+14991)</i>	N/A
Chr11	98925333	98925734	Chr11.114785	<i>Rara(-12184),Cdc6(+17383)</i>	N/A

Chr11	98925788	98926093	Chr11.114787	Rara(-11777),Cdc6(+17790)	N/A
Chr11	98926166	98926344	Chr11.114791	Rara(-11463),Cdc6(+18104)	N/A
Chr11	98927715	98927916	Chr11.114796	Rara(-9902),Cdc6(+19665)	N/A
Chr11	98928676	98928808	Chr11.114802	Rara(-8976),Cdc6(+20591)	N/A
Chr11	98929654	98929859	Chr11.114807	Rara(-7961),Cdc6(+21606)	N/A
Chr11	98930285	98930455	Chr11.114810	Rara(-7348),Cdc6(+22219)	N/A
Chr11	98930719	98931247	Chr11.114813	Rara(-6735),Cdc6(+22832)	N/A
Chr11	98932747	98932924	Chr11.114820	Rara(-4882)	N/A
Chr11	98933327	98933517	Chr11.114826	Rara(-4296)	N/A
Chr11	98936186	98936366	Chr11.114829	Rara(-1442)	N/A
Chr11	98937462	98937777	Chr11.114830	Rara(-98)	N/A
Chr11	98939656	98939756	Chr11.114849	Rara(+1988),Gjd3(+43310)	N/A
Chr11	98940175	98940561	Chr11.114852	Rara(+2650),Gjd3(+42648)	N/A
Chr11	98940710	98940828	Chr11.114856	Rara(+3051),Gjd3(+42247)	N/A
Chr11	98940941	98941077	Chr11.114857	Rara(+3291),Gjd3(+42007)	N/A
Chr11	98941407	98941570	Chr11.114859	Rara(+3771),Gjd3(+41527)	N/A
Chr11	98941798	98941975	Chr11.114860	Rara(+4169),Gjd3(+41129)	N/A
Chr11	98942380	98942511	Chr11.114864	Rara(+4728),Gjd3(+40570)	N/A
Chr11	98943362	98943581	Chr11.114869	Rara(+5754),Gjd3(+39544)	N/A
Chr11	98944821	98945003	Chr11.114875	Rara(+7194),Gjd3(+38104)	N/A
Chr11	98945743	98945871	Chr11.114879	Rara(+8089),Gjd3(+37208)	N/A
Chr11	98949756	98949938	Chr11.114887	Rara(+12129),Gjd3(+33169)	N/A
Chr11	98951405	98951608	Chr11.114903	Rara(+13789),Gjd3(+31509)	N/A
Chr11	98951726	98951925	Chr11.114906	Rara(+14108),Gjd3(+31190)	N/A
Chr11	98960039	98961140	Chr11.114921	Gjd3(+21976),Rara(+23322)	N/A
Chr11	98963305	98963442	Chr11.114928	Gjd3(+19642),Rara(+25566)	N/A
Chr11	98963623	98963722	Chr11.114930	Gjd3(+19343),Rara(+25955)	N/A
Chr11	98964657	98964832	Chr11.114936	Gjd3(+18271),Rara(+27027)	N/A
Chr11	98965502	98965621	Chr11.114938	Gjd3(+17454),Rara(+27844)	N/A
Chr11	98968702	98968889	Chr11.114950	Gjd3(+14220),Rara(+31078)	N/A
Chr11	98969305	98969452	Chr11.114954	Gjd3(+13637),Rara(+31681)	N/A
Chr11	98969527	98969679	Chr11.114956	Gjd3(+13413),Rara(+31885)	N/A
Chr11	99043152	99043419	Chr11.115137	Igfbp4(+2042),Tns4(+46020)	N/A
Chr11	99044529	99044660	Chr11.115140	Igfbp4(+3351),Tns4(+44711)	N/A
Chr11	99047125	99047278	Chr11.115144	Igfbp4(+5958),Tns4(+42104)	N/A
Chr11	99047911	99048023	Chr11.115148	Igfbp4(+6723),Tns4(+41339)	N/A
Chr11	99055912	99056128	Chr11.115173	Igfbp4(+14776),Tns4(+33266)	N/A
Chr11	99380474	99380664	Chr11.115204	Spre2(-543873),Meis1(-361855)	N/A
Chr11	99102945	99103108	Chr11.115270	Tns4(-13721),Cor7(+52050)	N/A
Chr11	99105094	99105199	Chr11.115274	Tns4(-15841),Cor7(+49930)	N/A
Chr11	99127042	99127150	Chr11.115288	Tns4(-37790),Cor7(+27981)	N/A
Chr11	99136536	99136676	Chr11.115298	Tns4(-47300),Cor7(+18471)	N/A
Chr11	99150629	99150735	Chr11.115355	Tns4(-61378),Cor7(+31895)	N/A
Chr11	99153992	99154098	Chr11.115370	Tns4(-64739),Cor7(+1032)	N/A
Chr11	99170945	99171054	Chr11.115391	Cor7(-15923),Smarce1(+60017)	N/A
Chr11	99171083	99171287	Chr11.115393	Cor7(-16108),Smarce1(+59832)	N/A
Chr11	99380349	99380474	Chr11.115452	Spre2(-533031),Meis1(-370897)	N/A
Chr11	99226987	99228231	Chr11.115472	Cor7(-71082),Smarce1(+4586)	N/A
Chr11	99226913	99227025	Chr11.115480	Cor7(-71892),Smarce1(+4048)	N/A
Chr11	99228061	99228251	Chr11.115492	Cor7(-73079),Smarce1(+2861)	N/A
Chr11	99230394	99230501	Chr11.115500	Smarce1(+569)	N/A
Chr11	19424118	19424745	Chr11.11575	Spre2(-500010),Meis1(-405718)	N/A
Chr11	99385529	99385636	Chr11.115854	Kr12(-10681),Kr11(+3780)	N/A
Chr11	99391081	99391181	Chr11.115901	Kr11(-1767)	N/A
Chr11	19433346	19433695	Chr11.11591	Spre2(-490921),Meis1(-414807)	N/A
Chr11	19433960	19434440	Chr11.11597	Spre2(-490242),Meis1(-415486)	N/A
Chr11	19434517	19434775	Chr11.11599	Spre2(-489796),Meis1(-415932)	N/A
Chr11	19442042	19442254	Chr11.11607	Spre2(-482294),Meis1(-423434)	N/A
Chr11	99493790	99493979	Chr11.116125	Kr12(+603)	N/A
Chr11	19463814	19464073	Chr11.11634	Spre2(-460498),Meis1(-445230)	N/A
Chr11	19475307	19475692	Chr11.11649	Meis1(-458786),Spre2(-448942)	N/A
Chr11	10067927	10068049	Chr11.116844	Kr13(-17437),Kr13(+20238)	N/A
Chr11	19523636	19523855	Chr11.11701	Meis1(-505032),Spre2(-400696)	N/A
Chr11	19524093	19524362	Chr11.11706	Meis1(-505514),Spre2(-400214)	N/A
Chr11	19528995	19529585	Chr11.11714	Meis1(-510576),Spre2(-395152)	N/A
Chr11	19529720	19530175	Chr11.11718	Meis1(-511234),Spre2(-394494)	N/A
Chr11	100137777	100137901	Chr11.117202	Kr115(-1911)	N/A
Chr11	100138952	100139058	Chr11.117206	Kr115(-3077)	N/A
Chr11	19531334	19531475	Chr11.11726	Meis1(-512691),Spre2(-393037)	N/A
Chr11	19531671	19531975	Chr11.11729	Meis1(-513109),Spre2(-392819)	N/A
Chr11	19532467	19532802	Chr11.11734	Meis1(-513821),Spre2(-391997)	N/A
Chr11	100207542	100207762	Chr11.117376	Kr114(-1504)	N/A
Chr11	100261298	100261427	Chr11.117529	Kr117(-334)	N/A
Chr11	10026236	100262399	Chr11.117532	Kr117(-1289)	N/A
Chr11	19539744	19539865	Chr11.11756	Meis1(-521091),Spre2(-384637)	N/A
Chr11	100289151	100289323	Chr11.117622	Elf1(-30648),Kr142(-19366)	N/A
Chr11	100319906	100320030	Chr11.117635	Elf1(+83)	N/A
Chr11	100397076	100397269	Chr11.117846	Jup(+576)	N/A
Chr11	100397680	100398298	Chr11.117852	Jup(-240)	N/A
Chr11	100406354	100406483	Chr11.117875	Jup(-8670),P3H4(+8417)	N/A
Chr11	19554584	19555373	Chr11.11788	Meis1(-536265),Spre2(-369463)	N/A
Chr11	19558266	19560106	Chr11.11796	Meis1(-541252),Spre2(-364478)	N/A
Chr11	19560475	19560781	Chr11.11800	Meis1(-541914),Spre2(-363814)	N/A
Chr11	19562339	19562494	Chr11.11805	Meis1(-543703),Spre2(-362025)	N/A
Chr11	100458584	100458748	Chr11.118099	Klhl11(+14075),Klhl10(+16749)	N/A
Chr11	100503114	100503248	Chr11.118209	Klhl11(+30440),Acly(+24819)	N/A
Chr11	100527880	100528009	Chr11.118279	Acly(+65)	N/A
Chr11	100575595	100575730	Chr11.118346	Cnp(+759)	N/A
Chr11	100582788	100582931	Chr11.118405	Cnp(+7956),Dnajc7(+37308)	N/A
Chr11	100605649	100605784	Chr11.118449	Dnajc7(+14451),Cnp(+30813)	N/A
Chr11	100610506	100610642	Chr11.118452	Dnajc7(+9594),Cnp(+35670)	N/A
Chr11	100613179	100613282	Chr11.118456	Dnajc7(+6937),Cnp(+36327)	N/A
Chr11	100613317	100613505	Chr11.118457	Dnajc7(+6757),Cnp(+36507)	N/A
Chr11	100619523	100619838	Chr11.118463	Nkiras2(-3195),Dnajc7(+487)	N/A
Chr11	100620098	100620282	Chr11.118469	Nkiras2(-2686),Dnajc7(-22)	N/A
Chr11	100640091	100640464	Chr11.118538	Zfp385c(+10415),Nkiras2(+17402)	N/A
Chr11	100640560	100640684	Chr11.118552	Zfp385c(+10071),Nkiras2(+17746)	N/A
Chr11	100640725	100640912	Chr11.118558	Zfp385c(+9674),Nkiras2(+178)	N/A
Chr11	100642002	100643117	Chr11.118574	Zfp385c(+7683),Nkiras2(+20134)	N/A
Chr11	19601615	19602025	Chr11.11858	Meis1(-583106),Spre2(-322622)	N/A
Chr11	100651300	100651632	Chr11.118583	Zfp385c(-773)	N/A
Chr11	100651858	100652001	Chr11.118592	Zfp385c(-1237)	N/A
Chr11	3909102	3909221	Chr11.1186	Sic35e4(+5502),Dup18(+13922)	N/A
Chr11	100657367	100657557	Chr11.118601	Zfp385c(-6769),Dhx58(+46809)	N/A
Chr11	19602195	19602328	Chr11.11862	Meis1(-583548),Spre2(-322180)	N/A
Chr11	100677616	100677749	Chr11.118623	Zfp385c(-26990),Dhx58(+26588)	N/A
Chr11	100687450	100687558	Chr11.118642	Zfp385c(-36811),Dhx58(+16767)	N/A
Chr11	100693341	100693491	Chr11.118655	Zfp385c(-42723),Dhx58(+10855)	N/A
Chr11	100715242	100715458	Chr11.118842	Kat2a(-2886),Hspb9(+1501)	N/A
Chr11	100719379	100719509	Chr11.118859	Hspb9(+5594),Rab5c(+18771)	N/A
Chr11	100721278	100721466	Chr11.118865	Hspb9(+7522),Rab5c(+16843)	N/A
Chr11	100725006	100725175	Chr11.118870	Hspb9(+11241),Rab5c(+13124)	N/A
Chr11	100736801	100736919	Chr11.118883	Rab5c(+1355),Hspb9(+23010)	N/A
Chr11	100737765	100737866	Chr11.118889	Rab5c(+399)	N/A
Chr11	100738071	100738268	Chr11.118891	Rab5c(+45)	N/A
Chr11	100754098	100754285	Chr11.118957	Rab5c(-15977),Kcnh4(+5750)	N/A
Chr11	19618830	19618974	Chr11.11896	Meis1(-600188),Spre2(-305540)	N/A
Chr11	100758740	100758839	Chr11.118981	Rab5c(-20575),Kcnh4(+1152)	N/A
Chr11	19619270	19619431	Chr11.11899	Meis1(-600637),Spre2(-305091)	N/A
Chr11	100780736	100780910	Chr11.119054	Ghdc(-8866),Stat5b(+1705)	N/A
Chr11	100810783	100810900	Chr11.119133	Ghdc(-39889),Stat5b(+11682)	N/A
Chr11	100814691	100814793	Chr11.119138	Ghdc(-43785),Stat5b(+7786)	N/A
Chr11	100822559	100822724	Chr11.119147	Stat5b(-114)	N/A
Chr11	100855594	100855741	Chr11.119198	Stat5a(-4816)	N/A
Chr11	100859311	100859413	Chr11.119212	Stat5a(-1122)	N/A
Chr11	19640799	19641207	Chr11.11933	Meis1(-622289),Spre2(-283439)	N/A
Chr11	100931522	100931809	Chr11.119393	Stat3(-7874),Stat5a(+71182)	N/A
Chr11	100938253	100938475	Chr11.119402	Stat3(+1176),Stat5a(+77880)	N/A
Chr11	100939386	100939502	Chr11.119410	Stat3(+96)	N/A
Chr11	100939751	100939853	Chr11.119418	Stat3(-262)	N/A
Chr11	100939862	100940122	Chr11.119422	Stat3(-512)	N/A
Chr11	100960618	100960738	Chr11.119444	Stat3(-21138),Cavin1(+10209)	N/A
Chr11	100964315	100964530	Chr11.119454	Stat3(-24883),Cavin1(+6464)	N/A
Chr11	100967505	100967619	Chr11.119457	Stat3(-28022),Cavin1(+3325)	N/A
Chr11	100979909	100980135	Chr11.119483	Atg6v0a1(-29430),Cavin1(-9135)	N/A
Chr11	101049556	101049775	Chr11.119603	Naglu(-20348),Atg6v0a1(+40214)	N/A
Chr11	101060503	101060608	Chr11.119631	Naglu(-9456),Atg6v0a1(+11104)	N/A
Chr11	19671039	19671336	Chr11.11965	Meis1(-652474),Spre2(-253254)	N/A

Chr11	101095950	101096060	Chr11.119885	<i>Pamc3p(-569)</i>	N/A
Chr11	101103104	101103289	Chr11.119932	<i>Pamc3p(-7761), Retreg3(+16696)</i>	N/A
Chr11	101103455	101103612	Chr11.119936	<i>Pamc3p(-8098), Retreg3(+16359)</i>	N/A
Chr11	101103851	101104043	Chr11.119940	<i>Pamc3p(-8511), Retreg3(+15945)</i>	N/A
Chr11	19701449	19701571	Chr11.12004	<i>Meis1(-682796), Sprod2(-222932)</i>	N/A
Chr11	101162645	101162938	Chr11.120044	<i>Tubg2(+6885), Plekhh3(+8559)</i>	N/A
Chr11	101169823	101169963	Chr11.120128	<i>Plekhh3(+1458), Tubg2(+13986)</i>	N/A
Chr11	101170344	101170518	Chr11.120133	<i>Plekhh3(+920)</i>	N/A
Chr11	101171507	101171653	Chr11.120139	<i>Ctnnap1(-4461), Plekhh3(-229)</i>	N/A
Chr11	101173987	101175512	Chr11.120184	<i>Plekhh3(-4999), Ctnnap1(-591), Cor10(-7)</i>	N/A
Chr11	101189730	101189862	Chr11.120326	<i>Ctnnap1(+13755), Ezh1(+36654)</i>	N/A
Chr11	101189910	101190057	Chr11.120328	<i>Ctnnap1(+13943), Ezh1(+36466)</i>	N/A
Chr11	101190200	101190312	Chr11.120332	<i>Ctnnap1(+14215), Ezh1(+36194)</i>	N/A
Chr11	101190352	101190512	Chr11.120333	<i>Ctnnap1(+14391), Ezh1(+36018)</i>	N/A
Chr11	19714227	19714328	Chr11.12039	<i>Meis1(-68563), Sprod2(-210165)</i>	N/A
Chr11	101230276	101230580	Chr11.120411	<i>Ezh1(-3878)</i>	N/A
Chr11	101230952	101231192	Chr11.120418	<i>Ezh1(-4622)</i>	N/A
Chr11	101231288	101231420	Chr11.120425	<i>Ezh1(-4904)</i>	N/A
Chr11	101236892	101237103	Chr11.120432	<i>Ezh1(-10548), Ramp2(-9030)</i>	N/A
Chr11	101245441	101245266	Chr11.120438	<i>Ramp2(-824)</i>	N/A
Chr11	101256571	101256728	Chr11.120470	<i>Wnk4(-3948)</i>	N/A
Chr11	101257838	101257940	Chr11.120473	<i>Wnk4(-2709)</i>	N/A
Chr11	101258195	101258359	Chr11.120476	<i>Wnk4(-2321)</i>	N/A
Chr11	101259819	101259965	Chr11.120488	<i>Wnk4(-706)</i>	N/A
Chr11	19736985	19737103	Chr11.12054	<i>Meis1(-71830), Sprod2(-187398)</i>	N/A
Chr11	101277002	101277140	Chr11.120581	<i>Crit1(-2025)</i>	N/A
Chr11	101282829	101283152	Chr11.120612	<i>Cc3(-3877)</i>	N/A
Chr11	19739440	19739921	Chr11.12063	<i>Meis1(-720967), Sprod2(-184761)</i>	N/A
Chr11	101316295	101316495	Chr11.120708	<i>Psmc3(+182)</i>	N/A
Chr11	19746190	19746347	Chr11.12074	<i>Meis1(-727555), Sprod2(-178173)</i>	N/A
Chr11	19760567	19760713	Chr11.12086	<i>Meis1(-741926), Sprod2(-163802)</i>	N/A
Chr11	101367687	101367687	Chr11.120969	<i>G6pc(+16)</i>	N/A
Chr11	19774037	19774221	Chr11.12106	<i>Meis1(-755415), Sprod2(-150313)</i>	N/A
Chr11	19776850	19777388	Chr11.12110	<i>Meis1(-758405), Sprod2(-147323)</i>	N/A
Chr11	101442359	101442462	Chr11.121123	<i>Rpl27(-35)</i>	N/A
Chr11	101458738	101458851	Chr11.121158	<i>Vat1(+7435), #35(+10388)</i>	N/A
Chr11	19777571	19777879	Chr11.12116	<i>Meis1(-759011), Sprod2(-146717)</i>	N/A
Chr11	101459040	101459164	Chr11.121162	<i>Vat1(+7128), #35(+10695)</i>	N/A
Chr11	101459841	101459940	Chr11.121170	<i>Vat1(+6339), #35(+11484)</i>	N/A
Chr11	19780603	19780706	Chr11.12123	<i>Meis1(-761941), Sprod2(-143787)</i>	N/A
Chr11	101477859	101477959	Chr11.121236	<i>Rnd2(+9734), Bcca1(+73970)</i>	N/A
Chr11	101483925	101484005	Chr11.121241	<i>Rnd2(+15815), Bcca1(+67889)</i>	N/A
Chr11	101485673	101485832	Chr11.121244	<i>Rnd2(+17578), Bcca1(+66126)</i>	N/A
Chr11	101502155	101502310	Chr11.121284	<i>Rnd2(+34058), Bcca1(+49646)</i>	N/A
Chr11	101552266	101552379	Chr11.121397	<i>Bcca1(-444), Nbr1(+174)</i>	N/A
Chr11	101552670	101552871	Chr11.121402	<i>Bcca1(-892), Nbr1(+622)</i>	N/A
Chr11	19835275	19835669	Chr11.12154	<i>Meis1(-816758), Sprod2(-88970)</i>	N/A
Chr11	101662890	101663391	Chr11.121580	<i>Dhx8(-84624), Arh4(+2785)</i>	N/A
Chr11	101673136	101673238	Chr11.121570	<i>Dhx8(-59763), Arh4(+7648)</i>	N/A
Chr11	101680644	101680750	Chr11.121574	<i>Dhx8(-52253), Arh4(+15156)</i>	N/A
Chr11	101681083	101681239	Chr11.121576	<i>Dhx8(-51789), Arh4(+15620)</i>	N/A
Chr11	101682746	101682875	Chr11.121579	<i>Dhx8(-50139), Arh4(+17270)</i>	N/A
Chr11	101687389	101687571	Chr11.121580	<i>Dhx8(-45470), Arh4(+21939)</i>	N/A
Chr11	101693551	101694452	Chr11.121594	<i>Dhx8(-36548), Arh4(+30851)</i>	N/A
Chr11	101728828	101726957	Chr11.121616	<i>Dhx8(-6057), Arh4(+61352)</i>	N/A
Chr11	101772573	101772726	Chr11.121766	<i>Etv4(+12660), Dhx8(+39700)</i>	N/A
Chr11	101780267	101780407	Chr11.121791	<i>Etv4(+4973), Dhx8(+47387)</i>	N/A
Chr11	101781897	101782117	Chr11.121797	<i>Etv4(+3303), Dhx8(+49057)</i>	N/A
Chr11	101782362	101782514	Chr11.121800	<i>Etv4(+2872), Dhx8(+49488)</i>	N/A
Chr11	101783943	101785682	Chr11.121818	<i>Etv4(+43)</i>	N/A
Chr11	101791120	101791275	Chr11.121830	<i>Etv4(-5888), Meox1(+103176)</i>	N/A
Chr11	101801544	101801961	Chr11.121840	<i>Etv4(-16443), Meox1(+92621)</i>	N/A
Chr11	101814649	101814867	Chr11.121853	<i>Etv4(-29448), Meox1(+79616)</i>	N/A
Chr11	101830152	101830442	Chr11.121863	<i>Etv4(-44987), Meox1(+64077)</i>	N/A
Chr11	101830670	101830856	Chr11.121865	<i>Etv4(-45453), Meox1(+63811)</i>	N/A
Chr11	101834712	101834886	Chr11.121871	<i>Etv4(-45489), Meox1(+59575)</i>	N/A
Chr11	101834961	101835110	Chr11.121873	<i>Etv4(-49726), Meox1(+59338)</i>	N/A
Chr11	101851141	101851343	Chr11.121879	<i>Etv4(-65932), Meox1(+43132)</i>	N/A
Chr11	101851666	101852064	Chr11.121885	<i>Etv4(-66559), Meox1(+42509)</i>	N/A
Chr11	101856071	101856191	Chr11.121891	<i>Etv4(-70821), Meox1(+38243)</i>	N/A
Chr11	101867809	101867976	Chr11.121899	<i>Etv4(-82433), Meox1(+26631)</i>	N/A
Chr11	19919970	19920197	Chr11.12190	<i>Sprod2(-4358)</i>	N/A
Chr11	101871518	101871759	Chr11.121910	<i>Etv4(-86329), Meox1(+22735)</i>	N/A
Chr11	101873979	101874173	Chr11.121916	<i>Etv4(-88768), Meox1(+20298)</i>	N/A
Chr11	101889838	101889970	Chr11.121936	<i>Etv4(-104594), Meox1(+4470)</i>	N/A
Chr11	101894453	101894576	Chr11.121959	<i>Meox1(+141)</i>	N/A
Chr11	101894753	101894889	Chr11.121960	<i>Meox1(-447)</i>	N/A
Chr11	101896925	101897096	Chr11.121966	<i>Meox1(-2637)</i>	N/A
Chr11	101901448	101901619	Chr11.121973	<i>Meox1(-7160), Sosl(+65481)</i>	N/A
Chr11	101904156	101904265	Chr11.121976	<i>Meox1(-9837), Sosl(+62804)</i>	N/A
Chr11	19920321	19920439	Chr11.12198	<i>Sprod2(-4062)</i>	N/A
Chr11	101921653	101921800	Chr11.121984	<i>Meox1(-27353), Sosl(+45288)</i>	N/A
Chr11	101952909	101953217	Chr11.122029	<i>Meox1(-58689), Sosl(+13952)</i>	N/A
Chr11	19924171	19924287	Chr11.12204	<i>Sprod2(-213)</i>	N/A
Chr11	101962443	101962621	Chr11.122041	<i>Meox1(-68158), Sosl(+4483)</i>	N/A
Chr11	19924342	19924555	Chr11.12206	<i>Sprod2(-7)</i>	N/A
Chr11	101966935	101967095	Chr11.122063	<i>Sosl(0)</i>	N/A
Chr11	101968507	101968883	Chr11.122070	<i>Sosl(-1680)</i>	N/A
Chr11	19924836	19924963	Chr11.12209	<i>Sprod2(+458)</i>	N/A
Chr11	101984206	101984348	Chr11.122105	<i>Ctbp9d1(-2779), Dusp3(+2736)</i>	N/A
Chr11	19929562	19929758	Chr11.12212	<i>Sprod2(+5218), Actr2(+183253)</i>	N/A
Chr11	102010200	102010434	Chr11.122156	<i>Mpp3(+18144), Ctbp9d1(+23281)</i>	N/A
Chr11	19935775	19936077	Chr11.12220	<i>Sprod2(+11484), Actr2(+176987)</i>	N/A
Chr11	19941388	19941644	Chr11.12229	<i>Sprod2(+17074), Actr2(+171397)</i>	N/A
Chr11	102083359	102083465	Chr11.122302	<i>Mpp2(+5103), Cd300lg(+14903)</i>	N/A
Chr11	102086426	102086551	Chr11.122310	<i>Mpp2(+2026), Cd300lg(+44980)</i>	N/A
Chr11	102088407	102088541	Chr11.122321	<i>Mpp2(+41)</i>	N/A
Chr11	19950280	19950485	Chr11.12242	<i>Sprod2(-25931), Actr2(-162540)</i>	N/A
Chr11	19950559	19950718	Chr11.12243	<i>Sprod2(-26197), Actr2(-162274)</i>	N/A
Chr11	102166364	102166610	Chr11.122432	<i>Tmem101(-10083), Lsm12(+18809)</i>	N/A
Chr11	102170289	102170389	Chr11.122446	<i>Tmem101(-13935), Lsm12(+14957)</i>	N/A
Chr11	102189557	102189677	Chr11.122471	<i>Lsm12(-4321), G6pc3(-52)</i>	N/A
Chr11	19950392	19950549	Chr11.12249	<i>Sprod2(+31029), Actr2(+157442)</i>	N/A
Chr11	102194420	102194532	Chr11.122508	<i>G6pc3(+4817), Hdac5(+35680)</i>	N/A
Chr11	102201590	102201690	Chr11.122567	<i>G6pc3(+11971), Hdac5(+28526)</i>	N/A
Chr11	102207866	102208011	Chr11.122611	<i>G6pc3(+18270), Hdac5(+22227)</i>	N/A
Chr11	102208293	102208513	Chr11.122614	<i>G6pc3(+18734), Hdac5(+21763)</i>	N/A
Chr11	19963787	19964119	Chr11.12262	<i>Sprod2(+39511), Actr2(+148960)</i>	N/A
Chr11	102211984	102212093	Chr11.122627	<i>Hdac5(+18137), G6pc3(+22360)</i>	N/A
Chr11	102214939	102215049	Chr11.122632	<i>Hdac5(+15172), G6pc3(+23325)</i>	N/A
Chr11	102216606	102216783	Chr11.122635	<i>Hdac5(+13471), G6pc3(+27026)</i>	N/A
Chr11	102217527	102217650	Chr11.122637	<i>Hdac5(+12577), G6pc3(+27920)</i>	N/A
Chr11	19964437	19964570	Chr11.12264	<i>Sprod2(+40062), Actr2(+148409)</i>	N/A
Chr11	102218797	102219162	Chr11.122643	<i>Hdac5(+11186), G6pc3(+29311)</i>	N/A
Chr11	102220014	102220245	Chr11.122645	<i>Hdac5(+10036), G6pc3(+30461)</i>	N/A
Chr11	102224718	102225011	Chr11.122658	<i>Hdac5(-5301), G6pc3(+35196)</i>	N/A
Chr11	102226187	102226365	Chr11.122663	<i>Hdac5(+3890), G6pc3(+36607)</i>	N/A
Chr11	102227646	102227841	Chr11.122667	<i>Hdac5(+2422), G6pc3(+38075)</i>	N/A
Chr11	102227871	102227993	Chr11.122669	<i>Hdac5(+2234), G6pc3(+38263)</i>	N/A
Chr11	102228085	102228219	Chr11.122671	<i>Hdac5(-2014), G6pc3(+38483)</i>	N/A
Chr11	102228249	102228374	Chr11.122672	<i>Hdac5(-1854), G6pc3(+38643)</i>	N/A
Chr11	102245177	102245350	Chr11.122690	<i>Bc030867(-3618)</i>	N/A
Chr11	102246024	102246132	Chr11.122692	<i>Bc030867(-2804)</i>	N/A
Chr11	19970040	19970217	Chr11.12271	<i>Sprod2(+45687), Actr2(+142784)</i>	N/A
Chr11	19973246	19973368	Chr11.12276	<i>Sprod2(+48685), Actr2(+139606)</i>	N/A
Chr11	19973529	19973645	Chr11.12277	<i>Sprod2(+49145), Actr2(+139319)</i>	N/A
Chr11	19973942	19973735	Chr11.12282	<i>Sprod2(+55097), Actr2(+133374)</i>	N/A
Chr11	102284807	102284976	Chr11.122826	<i>Tmub2(-304)</i>	N/A
Chr11	102288703	102288818	Chr11.122854	<i>Tmub2(+3565), Atxn7i3(+7868)</i>	N/A
Chr11	102289018	102289159	Chr11.122858	<i>Tmub2(+3893), Atxn7i3(+7540)</i>	N/A
Chr11	102289296	102289494	Chr11.122862	<i>Tmub2(+4423), Atxn7i3(+7019)</i>	N/A
Chr11	102290060	102290159	Chr11.122869	<i>Tmub2(+4914), Atxn7i3(+6518)</i>	N/A
Chr11	102290537	102290757	Chr11.122874	<i>Tmub2(+5451), Atxn7i3(+5882)</i>	N/A
Chr11	102290789	102290890	Chr11.122877	<i>Tmub2(+5644), Atxn7i3(+5789)</i>	N/A
Chr11	102290947	102291104	Chr11.122878	<i>Atxn7i3(+5603), Tmub2(+5830)</i>	N/A
Chr11	19980209	19980601	Chr11.12288	<i>Sprod2(+55963), Actr2(+132508)</i>	N/A
Chr11	102293061	102293184	Chr11.122888	<i>Atxn7i3(+3566), Tmub2(+9327)</i>	N/A
Chr11	102295278	102295569	Chr11.122913	<i>Atxn7i3(+1205), Tmub2(+10228)</i>	N/A

Chr11	102295692	102295629	Chr11.122915	<i>Atxn73(+868)</i>	N/A
Chr11	102297181	102297321	Chr11.122916	<i>Atxn73(-622)</i>	N/A
Chr11	102304739	102304910	Chr11.122922	<i>Atxn73(-8196), Ubf(+14271)</i>	N/A
Chr11	102305937	102306121	Chr11.122926	<i>Atxn73(-9400), Ubf(+13087)</i>	N/A
Chr11	102306165	102306326	Chr11.122927	<i>Atxn73(-9617), Ubf(+12850)</i>	N/A
Chr11	102306365	102306465	Chr11.122931	<i>Atxn73(-9786), Ubf(+12681)</i>	N/A
Chr11	19983449	19983630	Chr11.122988	<i>Sprd2(+59098), Actr2(+129373)</i>	N/A
Chr11	102311115	102311247	Chr11.122988	<i>Atxn73(-14552), Ubf(+7915)</i>	N/A
Chr11	102316322	102316686	Chr11.123007	<i>Ubf(-408)</i>	N/A
Chr11	102320301	102320419	Chr11.123014	<i>Ubf(-1264)</i>	N/A
Chr11	102321992	102322104	Chr11.123018	<i>Ubf(-2952)</i>	N/A
Chr11	19987632	19987834	Chr11.123034	<i>Sprd2(+63291), Actr2(+125180)</i>	N/A
Chr11	102365729	102365867	Chr11.123163	<i>Slc4a1(-518)</i>	N/A
Chr11	102430279	102430397	Chr11.123267	<i>Gm(+23)</i>	N/A
Chr11	102487820	102488130	Chr11.123602	<i>Iiga2b(-18092), Gpatchb(+68224)</i>	N/A
Chr11	102485533	102489682	Chr11.123607	<i>Iiga2b(-18725), Gpatchb(+67591)</i>	N/A
Chr11	102497656	102497831	Chr11.123614	<i>Iiga2b(-27861), Gpatchb(+58455)</i>	N/A
Chr11	102531429	102531625	Chr11.123649	<i>Iiga2b(-61644), Gpatchb(+24672)</i>	N/A
Chr11	20024165	20024274	Chr11.12366	<i>Actr2(+88693), Sprd2(+99778)</i>	N/A
Chr11	102535754	102535888	Chr11.123662	<i>Iiga2b(-65938), Gpatchb(+20378)</i>	N/A
Chr11	102536876	102536991	Chr11.123664	<i>Iiga2b(-67051), Gpatchb(+19265)</i>	N/A
Chr11	102579523	102579752	Chr11.123688	<i>Gm11627(-177)</i>	N/A
Chr11	102579817	102579983	Chr11.123691	<i>Gm11627(-439)</i>	N/A
Chr11	102581433	102581617	Chr11.123694	<i>Gm11627(-2064)</i>	N/A
Chr11	102582414	102582544	Chr11.123698	<i>Gm11627(-3018)</i>	N/A
Chr11	102595523	102595644	Chr11.123700	<i>Gm11627(-16123), Fzd2(-8847)</i>	N/A
Chr11	102595679	102595841	Chr11.123702	<i>Gm11627(-16299), Fzd2(-8671)</i>	N/A
Chr11	102602937	102603100	Chr11.123703	<i>Fzd2(-1412)</i>	N/A
Chr11	102603585	102603706	Chr11.123708	<i>Fzd2(-785)</i>	N/A
Chr11	102604135	102604319	Chr11.123709	<i>Fzd2(-204)</i>	N/A
Chr11	102607687	102607884	Chr11.123739	<i>Meioc(-57802), Fzd2(+3355)</i>	N/A
Chr11	102608021	102608121	Chr11.123742	<i>Meioc(-57527), Fzd2(-2630)</i>	N/A
Chr11	102610708	102610829	Chr11.123748	<i>Meioc(-54819), Fzd2(+6338)</i>	N/A
Chr11	102611098	102611275	Chr11.123751	<i>Meioc(-54401), Fzd2(+6756)</i>	N/A
Chr11	102623914	102624018	Chr11.123754	<i>Meioc(-41622), Fzd2(+19535)</i>	N/A
Chr11	102624348	102624502	Chr11.123756	<i>Meioc(-41163), Fzd2(+19994)</i>	N/A
Chr11	102627591	102627786	Chr11.123759	<i>Meioc(-37899), Fzd2(+23258)</i>	N/A
Chr11	102630891	102630996	Chr11.123763	<i>Meioc(-34644), Fzd2(-26513)</i>	N/A
Chr11	102631299	102631446	Chr11.123764	<i>Meioc(-34215), Fzd2(+26942)</i>	N/A
Chr11	102632601	102632743	Chr11.123767	<i>Meioc(-32916), Fzd2(+28241)</i>	N/A
Chr11	102637002	102637115	Chr11.123769	<i>Meioc(-28529), Fzd2(+32628)</i>	N/A
Chr11	102637229	102637376	Chr11.123772	<i>Meioc(-28285), Fzd2(+32872)</i>	N/A
Chr11	102639192	102639348	Chr11.123774	<i>Meioc(-26318), Fzd2(+34839)</i>	N/A
Chr11	102736164	102736319	Chr11.123846	<i>Ccdc43(-38460), Adam11(-25197)</i>	N/A
Chr11	20053278	20053377	Chr11.12385	<i>Actr2(+59585), Sprd2(+128886)</i>	N/A
Chr11	102741433	102741586	Chr11.123855	<i>Ccdc43(-43728), Adam11(-19929)</i>	N/A
Chr11	102741757	102742020	Chr11.123858	<i>Ccdc43(-44111), Adam11(-19546)</i>	N/A
Chr11	20053406	20053614	Chr11.12387	<i>Actr2(+59403), Sprd2(+129068)</i>	N/A
Chr11	102769216	102769378	Chr11.123895	<i>Adam11(+7858), Gjc1(-35604)</i>	N/A
Chr11	102780152	102780256	Chr11.123997	<i>Adam11(+18785), Gjc1(+24697)</i>	N/A
Chr11	102783649	102783784	Chr11.123999	<i>Gjc1(+21184), Adam11(+22278)</i>	N/A
Chr11	102791835	102792138	Chr11.124001	<i>Gjc1(+12914), Adam11(+30548)</i>	N/A
Chr11	102799748	102799985	Chr11.124026	<i>Gjc1(+5034), Adam11(+38428)</i>	N/A
Chr11	102811217	102811372	Chr11.124056	<i>Higd1b(-25001), Gjc1(-6394)</i>	N/A
Chr11	102827222	102827365	Chr11.124062	<i>Gjc1(-22393), Higd1b(-9002)</i>	N/A
Chr11	102838449	102838554	Chr11.124086	<i>Higd1b(+2206), Eftud2(+42465)</i>	N/A
Chr11	102895568	102898728	Chr11.124347	<i>Glap(-1517)</i>	N/A
Chr11	102903720	102903822	Chr11.124352	<i>Glap(-6640), Klf18b(+21353)</i>	N/A
Chr11	102907236	102907340	Chr11.124359	<i>Glap(-10157), Klf18b(+17836)</i>	N/A
Chr11	102921533	102921684	Chr11.124445	<i>Glap(-24478), Klf18b(+3515)</i>	N/A
Chr11	102921831	102922110	Chr11.124448	<i>Glap(-24840), Klf18b(+3153)</i>	N/A
Chr11	102936358	102936598	Chr11.124460	<i>Klf18b(-11354), C1ql1(+10210)</i>	N/A
Chr11	102937727	102938032	Chr11.124465	<i>Klf18b(-12756), C1ql1(+8808)</i>	N/A
Chr11	102948725	102948878	Chr11.124503	<i>C1ql1(-2114)</i>	N/A
Chr11	102950763	102951738	Chr11.124514	<i>C1ql1(-10457), Dcaid(-60023)</i>	N/A
Chr11	102957823	102958052	Chr11.124516	<i>C1ql1(-11250), Dcaid(+59230)</i>	N/A
Chr11	102963101	102963319	Chr11.124522	<i>C1ql1(-16522), Dcaid(+53958)</i>	N/A
Chr11	102963763	102964053	Chr11.124524	<i>C1ql1(-17220), Dcaid(+53260)</i>	N/A
Chr11	102984731	102984841	Chr11.124549	<i>C1ql1(-38098), Dcaid(+32382)</i>	N/A
Chr11	102989863	102989984	Chr11.124558	<i>C1ql1(-43238), Dcaid(-27244)</i>	N/A
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Chr11	102996573	102996686	Chr11.124583	<i>C1ql1(-49942), Dcaid(-20538)</i>	N/A
Chr11	102999025	102999141	Chr11.124593	<i>C1ql1(-53395), Dcaid(+18085)</i>	N/A
Chr11	20201062	20201173	Chr11.12460	<i>Rab1a(-484)</i>	N/A
Chr11	103029036	103029208	Chr11.124625	<i>Nmt1(+776)</i>	N/A
Chr11	20201336	20201450	Chr11.12463	<i>Rab1a(-208)</i>	N/A
Chr11	20202402	20202609	Chr11.12467	<i>Rab1a(-904)</i>	N/A
Chr11	103068390	103068520	Chr11.124682	<i>Picd3(+33203), Nmt1(+40109)</i>	N/A
Chr11	103115847	103115967	Chr11.124830	<i>Hexim1(-418)</i>	N/A
Chr11	103116050	103116598	Chr11.124835	<i>Hexim1(-1)</i>	N/A
Chr11	103132749	103133042	Chr11.124867	<i>Hexim2(-449)</i>	N/A
Chr11	103133072	103133179	Chr11.124872	<i>Hexim2(-219)</i>	N/A
Chr11	103133326	103133478	Chr11.124876	<i>Hexim2(+57)</i>	N/A
Chr11	103142500	103142613	Chr11.124900	<i>Fmn1(-28550), Hexim2(+9212)</i>	N/A
Chr11	103175075	103175211	Chr11.124934	<i>Fmn1(+4036), 170002306nirk(+33405)</i>	N/A
Chr11	20231248	20231361	Chr11.12508	<i>Cep68(+18113), Rab1a(+29703)</i>	N/A
Chr11	103235805	103235938	Chr11.125151	<i>Spata32(-17439), Map3k14(+31601)</i>	N/A
Chr11	103240790	103240975	Chr11.125175	<i>Spata32(-22451), Map3k14(+26589)</i>	N/A
Chr11	103262394	103262538	Chr11.125219	<i>Spata32(-44034), Map3k14(+5006)</i>	N/A
Chr11	103262587	103262812	Chr11.125222	<i>Spata32(-44268), Map3k14(+4772)</i>	N/A
Chr11	103264754	103264935	Chr11.125228	<i>Spata32(-46413), Map3k14(+2627)</i>	N/A
Chr11	103265365	103265516	Chr11.125230	<i>Spata32(-47009), Map3k14(+2031)</i>	N/A
Chr11	103281847	103281983	Chr11.125253	<i>Map3k14(-14433), Aihgap27(+78995)</i>	N/A
Chr11	103292746	103292896	Chr11.125267	<i>Map3k14(-52349), Aihgap27(+68079)</i>	N/A
Chr11	103344504	103344733	Chr11.125324	<i>Map3k14(-77147), Aihgap27(+16281)</i>	N/A
Chr11	103363373	103363504	Chr11.125338	<i>Aihgap27(-2539)</i>	N/A
Chr11	103698425	103698541	Chr11.125536	<i>Gosr2(-585)</i>	N/A
Chr11	103712103	103712454	Chr11.125564	<i>Gosr2(-14381), Wnt9b(+37542)</i>	N/A
Chr11	103717076	103717243	Chr11.125573	<i>Gosr2(-19262), Wnt9b(+32661)</i>	N/A
Chr11	103721884	103722165	Chr11.125578	<i>Gosr2(-24127), Wnt9b(+27796)</i>	N/A
Chr11	103735597	103735750	Chr11.125628	<i>Gosr2(-37776), Wnt9b(+14147)</i>	N/A
Chr11	103765502	103765852	Chr11.125642	<i>Wnt9b(-15856), Wnt3(-8473)</i>	N/A
Chr11	103771543	103771656	Chr11.125651	<i>Wnt3(-2550)</i>	N/A
Chr11	103773402	103773572	Chr11.125657	<i>Wnt3(-663)</i>	N/A
Chr11	103773942	103774386	Chr11.125659	<i>Wnt3(+14)</i>	N/A
Chr11	103774658	103774759	Chr11.125663	<i>Wnt3(+559)</i>	N/A
Chr11	103774873	103774988	Chr11.125665	<i>Wnt3(+781)</i>	N/A
Chr11	103775080	103775205	Chr11.125667	<i>Wnt3(+993)</i>	N/A
Chr11	103775271	103775504	Chr11.125669	<i>Wnt3(+1238), Nsf(+178668)</i>	N/A
Chr11	103777558	103778121	Chr11.125680	<i>Wnt3(-3860), Nsf(+176016)</i>	N/A
Chr11	103780270	103780440	Chr11.125683	<i>Wnt3(+6205), Nsf(+173701)</i>	N/A
Chr11	103799214	103799393	Chr11.125691	<i>Wnt3(+25154), Nsf(+154752)</i>	N/A
Chr11	103810080	103810180	Chr11.125710	<i>Wnt3(+35980), Nsf(+143926)</i>	N/A
Chr11	103816046	103816159	Chr11.125745	<i>Wnt3(+41953), Nsf(+137953)</i>	N/A
Chr11	103824937	103825053	Chr11.125787	<i>Wnt3(+50845), Nsf(+129061)</i>	N/A
Chr11	103854478	103854747	Chr11.125849	<i>Wnt3(-80463), Nsf(+99443)</i>	N/A
Chr11	103885903	103886030	Chr11.125904	<i>Nsf(+68089), Wnt3(+118187)</i>	N/A
Chr11	103893010	103893120	Chr11.125911	<i>Nsf(+60991), Wnt3(+118915)</i>	N/A
Chr11	103906488	103906679	Chr11.125922	<i>Nsf(+47472), Wnt3(+132434)</i>	N/A
Chr11	104099675	104099776	Chr11.126057	<i>Chr1(-33129), Arid2(+132855)</i>	N/A
Chr11	104155403	104155509	Chr11.126094	<i>Spr2c(-30871), Chr1(-22601)</i>	N/A
Chr11	104232106	104232298	Chr11.126227	<i>Map(-618)</i>	N/A
Chr11	20440241	20440395	Chr11.12627	<i>Slc1a4(-107605), Sertad2(-103016)</i>	N/A
Chr11	20455775	20455948	Chr11.12631	<i>Slc1a4(-123149), Sertad2(-87472)</i>	N/A
Chr11	104329116	104329216	Chr11.126332	<i>Map(+97582), Kns1(+113125)</i>	N/A
Chr11	20460597	20460914	Chr11.126339	<i>Slc1a4(-128043), Sertad2(-82578)</i>	N/A
Chr11	104439819	104439956	Chr11.126427	<i>Kns1(+2403), Map(+208304)</i>	N/A
Chr11	104440203	104440338	Chr11.126429	<i>Kns1(+2020), Map(+208687)</i>	N/A
Chr11	104440427	104440536	Chr11.126433	<i>Kns1(+1809), Map(+208898)</i>	N/A
Chr11	104440866	104441382	Chr11.126436	<i>Kns1(+1167), Map(+209540)</i>	N/A
Chr11	104441423	104441632	Chr11.126441	<i>Kns1(+783)</i>	N/A
Chr11	104442740	104442740	Chr11.126443	<i>Kns1(+387)</i>	N/A
Chr11	104442950	104443209	Chr11.126447	<i>Kns1(-789)</i>	N/A
Chr11	104469375	104469614	Chr11.126468	<i>Kns1(-27204), Cdc27(+80988)</i>	N/A
Chr11	104469736	104469861	Chr11.126473	<i>Kns1(-27508), Cdc27(+80684)</i>	N/A
Chr11	20469517	20469660	Chr11.12650	<i>Slc1a4(-136876), Sertad2(-73745)</i>	N/A
Chr11	104549459	104549563	Chr11.126529	<i>Cdc27(-972)</i>	N/A
Chr11	104550364	104550605	Chr11.126534	<i>Cdc27(-2)</i>	N/A

Chr11	104576860	104576994	Chr11.126550	<i>Myl4(-58)</i>	N/A
Chr11	104619826	104619926	Chr11.126610	<i>Gm11639(-65831),Ilgb3(+11876)</i>	N/A
Chr11	104624715	104624945	Chr11.126615	<i>Gm11639(-6087),Ilgb3(+16830)</i>	N/A
Chr11	104625159	104625259	Chr11.126621	<i>Gm11639(-60498),Ilgb3(+17209)</i>	N/A
Chr11	104626124	104626269	Chr11.126624	<i>Gm11639(-59510),Ilgb3(+18197)</i>	N/A
Chr11	104663880	104664019	Chr11.126696	<i>Gm11639(-21757),Ilgb3(+55950)</i>	N/A
Chr11	20514549	20514763	Chr11.126877	<i>Slc1a4(-181943),Sertad2(-28678)</i>	N/A
Chr11	105153937	105154123	Chr11.126877	<i>Tik2(-27497),Gm10842(+7137)</i>	N/A
Chr11	105182501	105182677	Chr11.126886	<i>Mrc2(-10057),Tik2(+1062)</i>	N/A
Chr11	105182782	105182946	Chr11.126888	<i>Mrc2(-109782),Tik2(+1337)</i>	N/A
Chr11	105183092	105183264	Chr11.126890	<i>Mrc2(-109468),Tik2(+1651)</i>	N/A
Chr11	105281332	105281806	Chr11.126968	<i>Mrc2(-11077),Tik2(+100042)</i>	N/A
Chr11	105281837	105281963	Chr11.126971	<i>Mrc2(-10746),Tik2(+100373)</i>	N/A
Chr11	105281999	105282196	Chr11.126972	<i>Mrc2(-10548),Tik2(+100571)</i>	N/A
Chr11	105282505	105282721	Chr11.126976	<i>Mrc2(-10033),Tik2(+101086)</i>	N/A
Chr11	105285820	105285933	Chr11.126987	<i>Mrc2(-6769),Tik2(+104350)</i>	N/A
Chr11	105313088	105313252	Chr11.127008	<i>Mrc2(+20524),March10(+143565)</i>	N/A
Chr11	20543177	20543284	Chr11.127078	<i>Sertad2(-103)</i>	N/A
Chr11	20543942	20544073	Chr11.12712	<i>Sertad2(+674)</i>	N/A
Chr11	105349452	105350502	Chr11.127163	<i>Mrc2(+7231),March10(+91778)</i>	N/A
Chr11	105388844	105390009	Chr11.127190	<i>March10(+67808),Mrc2(+96261)</i>	N/A
Chr11	105401864	105401964	Chr11.127232	<i>March10(+54821),Mrc2(+109268)</i>	N/A
Chr11	105402088	105402202	Chr11.127237	<i>March10(+54590),Mrc2(+109499)</i>	N/A
Chr11	105467340	105467521	Chr11.127330	<i>Tanc2(-122560),March10(-10696)</i>	N/A
Chr11	105467905	105468177	Chr11.127334	<i>Tanc2(-121953),March10(-11303)</i>	N/A
Chr11	105468404	105468607	Chr11.127337	<i>Tanc2(-12148),March10(-11771)</i>	N/A
Chr11	105495570	105495994	Chr11.127365	<i>Tanc2(-24059),March10(-39197)</i>	N/A
Chr11	105505251	105505372	Chr11.127387	<i>Tanc2(-84679),March10(-48577)</i>	N/A
Chr11	105507429	105507837	Chr11.127390	<i>Tanc2(-82358),March10(-50898)</i>	N/A
Chr11	105507959	105508273	Chr11.127393	<i>Tanc2(-81875),March10(-51381)</i>	N/A
Chr11	105523580	105523705	Chr11.127409	<i>March10(-68908),Tanc2(-56348)</i>	N/A
Chr11	20555164	20555326	Chr11.12741	<i>Sertad2(+11911),Atph(+186344)</i>	N/A
Chr11	105524347	105524512	Chr11.127412	<i>March10(-67695),Tanc2(-65561)</i>	N/A
Chr11	105524546	105524721	Chr11.127416	<i>March10(-67899),Tanc2(-65357)</i>	N/A
Chr11	105524846	105524984	Chr11.127420	<i>March10(-68180),Tanc2(-65076)</i>	N/A
Chr11	105530582	105530737	Chr11.127430	<i>March10(-73925),Tanc2(-59331)</i>	N/A
Chr11	105530817	105531002	Chr11.127432	<i>March10(-74175),Tanc2(-59081)</i>	N/A
Chr11	105541563	105541721	Chr11.127442	<i>March10(-84907),Tanc2(-48349)</i>	N/A
Chr11	105542009	105542124	Chr11.127446	<i>March10(-85332),Tanc2(-47924)</i>	N/A
Chr11	105549795	105549947	Chr11.127467	<i>March10(-93136),Tanc2(-40120)</i>	N/A
Chr11	105557346	105557509	Chr11.127476	<i>March10(-100693),Tanc2(-32563)</i>	N/A
Chr11	105574257	105574420	Chr11.127499	<i>March10(-117604),Tanc2(-15852)</i>	N/A
Chr11	20559567	20559171	Chr11.12751	<i>Sertad2(+15780),Atph(+182475)</i>	N/A
Chr11	105590201	105590342	Chr11.127517	<i>Tanc2(+281)</i>	N/A
Chr11	105590464	105590663	Chr11.127522	<i>Tanc2(+573)</i>	N/A
Chr11	105591116	105591127	Chr11.127526	<i>Tanc2(+1231),Cyb561(+353190)</i>	N/A
Chr11	105731601	105732252	Chr11.127589	<i>Tanc2(-141938),Cyb561(-212485)</i>	N/A
Chr11	105758067	105759069	Chr11.127615	<i>Tanc2(-169007),Cyb561(-18541)</i>	N/A
Chr11	105759419	105759759	Chr11.127617	<i>Tanc2(-169598),Cyb561(-184823)</i>	N/A
Chr11	20576178	20576363	Chr11.12773	<i>Sertad2(+32937),Atph(+165318)</i>	N/A
Chr11	105923980	105924186	Chr11.127851	<i>Cyb561(+20329),Tanc2(-334092)</i>	N/A
Chr11	20603088	20603324	Chr11.12786	<i>Sertad2(+59872),Atph(+138383)</i>	N/A
Chr11	105928115	105928262	Chr11.127874	<i>Cyb561(+16223),Tanc2(-338198)</i>	N/A
Chr11	105928319	105928419	Chr11.127877	<i>Cyb561(-16043),Tanc2(-338378)</i>	N/A
Chr11	20603441	20603805	Chr11.12789	<i>Sertad2(-60280),Atph(+137966)</i>	N/A
Chr11	20604343	20604536	Chr11.12792	<i>Sertad2(+61107),Atph(+137148)</i>	N/A
Chr11	20616110	20616392	Chr11.12805	<i>Sertad2(+72917),Atph(+125338)</i>	N/A
Chr11	20630187	20630410	Chr11.12817	<i>Sertad2(+86965),Atph(+111290)</i>	N/A
Chr11	106012879	106012996	Chr11.128180	<i>Dca7(-23933),Kcmf(+4766)</i>	N/A
Chr11	20632548	20632679	Chr11.12823	<i>Sertad2(+89280),Atph(+108975)</i>	N/A
Chr11	106036797	106036954	Chr11.128280	<i>Dca7(+4)</i>	N/A
Chr11	20632781	20632893	Chr11.12832	<i>Sertad2(+89503),Atph(+108752)</i>	N/A
Chr11	106084310	106084434	Chr11.128372	<i>Map3k3(-241)</i>	N/A
Chr11	106084476	106084623	Chr11.128374	<i>Map3k3(-63)</i>	N/A
Chr11	106085546	106085460	Chr11.128379	<i>Map3k3(+765)</i>	N/A
Chr11	20633900	20634016	Chr11.12842	<i>Sertad2(+90624),Atph(+107631)</i>	N/A
Chr11	106111797	106112078	Chr11.128434	<i>Map3k3(+27325),Limd2(-48204)</i>	N/A
Chr11	106122837	106123059	Chr11.128443	<i>Limd2(+37194),Map3k3(-38335)</i>	N/A
Chr11	20635266	20635480	Chr11.12845	<i>Sertad2(+92039),Atph(+106216)</i>	N/A
Chr11	106134669	106134794	Chr11.128452	<i>Limd2(+25400),Map3k3(+50129)</i>	N/A
Chr11	106135251	106135480	Chr11.128453	<i>Limd2(+24772),Map3k3(-50757)</i>	N/A
Chr11	20635803	20635980	Chr11.12847	<i>Sertad2(+92556),Atph(+105697)</i>	N/A
Chr11	106154554	106154686	Chr11.128494	<i>Limd2(+5522),Map3k3(+70007)</i>	N/A
Chr11	106155283	106155423	Chr11.128502	<i>Limd2(+4789),Map3k3(+70740)</i>	N/A
Chr11	106155452	106155666	Chr11.128504	<i>Limd2(+4583),Map3k3(+70946)</i>	N/A
Chr11	106155699	106155811	Chr11.128508	<i>Limd2(+4387),Map3k3(+71142)</i>	N/A
Chr11	106156535	106156676	Chr11.128515	<i>Gm10840(-4244),Limd2(-3536)</i>	N/A
Chr11	106158239	106158421	Chr11.128518	<i>Gm10840(-2520),Limd2(+1812)</i>	N/A
Chr11	106180915	106181099	Chr11.128567	<i>Strada(+12529),Gm10840(+20157)</i>	N/A
Chr11	106193435	106193584	Chr11.128578	<i>Strada(+26)</i>	N/A
Chr11	20639534	20639657	Chr11.12863	<i>Sertad2(+96262),Atph(+101993)</i>	N/A
Chr11	106230242	106230401	Chr11.128644	<i>Ddx2(-13366),Fts3(+2537)</i>	N/A
Chr11	20640020	20640174	Chr11.12866	<i>Sertad2(+96763),Atph(+101492)</i>	N/A
Chr11	20647429	20647642	Chr11.12875	<i>Atph(+94053),Sertad2(+104202)</i>	N/A
Chr11	106263477	106263683	Chr11.128793	<i>Psmc5(+7426),Smardc2(+9392)</i>	N/A
Chr11	106263718	106263926	Chr11.128795	<i>Psmc5(-7668),Smardc2(+9150)</i>	N/A
Chr11	106268524	106268658	Chr11.128833	<i>Smardc2(+4381),Psmc5(+12437)</i>	N/A
Chr11	106271977	106272151	Chr11.128838	<i>Tcam1(-4684),Smardc2(+908)</i>	N/A
Chr11	20648800	20649117	Chr11.12891	<i>Atph(+92630),Sertad2(+105625)</i>	N/A
Chr11	106308292	106308414	Chr11.128915	<i>Gli(-6488),Cd79b(+6176)</i>	N/A
Chr11	20649536	20649654	Chr11.12895	<i>Atph(+91994),Sertad2(+106261)</i>	N/A
Chr11	106324943	106325071	Chr11.128998	<i>Cd79b(-10478),Scn4a(+24382)</i>	N/A
Chr11	20650101	20650282	Chr11.12902	<i>Atph(+91397),Sertad2(+106868)</i>	N/A
Chr11	20651259	20651432	Chr11.129012	<i>Atph(+90243),Sertad2(+108012)</i>	N/A
Chr11	106350969	106351132	Chr11.129120	<i>Scn4a(-1672)</i>	N/A
Chr11	106365525	106365655	Chr11.129131	<i>Scn4a(-16201),Pir29(-9236)</i>	N/A
Chr11	106374183	106374316	Chr11.129134	<i>Pir29(-576)</i>	N/A
Chr11	20651834	20651989	Chr11.12919	<i>Atph(+99687),Sertad2(+108568)</i>	N/A
Chr11	106438956	106439080	Chr11.129278	<i>Icam2(-56237),Em1(+48778)</i>	N/A
Chr11	20663681	20663883	Chr11.129333	<i>Atph(+77807),Sertad2(+120448)</i>	N/A
Chr11	106501244	106501374	Chr11.129333	<i>Em1(-13513),Tex2(+111621)</i>	N/A
Chr11	106502122	106502477	Chr11.129338	<i>Em1(-14504),Tex2(+110630)</i>	N/A
Chr11	106502859	106503061	Chr11.129343	<i>Em1(-15164),Tex2(+109970)</i>	N/A
Chr11	106536347	106536527	Chr11.129403	<i>Em1(-48641),Tex2(+76493)</i>	N/A
Chr11	106557658	106558088	Chr11.129425	<i>Em1(-70177),Tex2(+54957)</i>	N/A
Chr11	106595173	106595317	Chr11.129498	<i>Em1(-107449),Tex2(+17685)</i>	N/A
Chr11	106599323	106599597	Chr11.129501	<i>Em1(-111664),Tex2(+13470)</i>	N/A
Chr11	106612038	106612140	Chr11.129513	<i>Tex2(+841)</i>	N/A
Chr11	106637598	106637729	Chr11.129520	<i>Tex2(-24734),Pecam1(+77595)</i>	N/A
Chr11	106639267	106639445	Chr11.129523	<i>Tex2(-26426),Pecam1(+75903)</i>	N/A
Chr11	106659600	106659919	Chr11.129538	<i>Tex2(-46830),Pecam1(+55499)</i>	N/A
Chr11	106669815	106669942	Chr11.129550	<i>Tex2(-56949),Pecam1(+45380)</i>	N/A
Chr11	106674810	106674975	Chr11.129555	<i>Tex2(-61963),Pecam1(+40366)</i>	N/A
Chr11	106715246	106715366	Chr11.129630	<i>Pecam1(-47)</i>	N/A
Chr11	106737444	106737443	Chr11.129634	<i>Pecam1(-22085),Mlr1(-13896)</i>	N/A
Chr11	106780333	106780597	Chr11.129684	<i>Polg2(-950)</i>	N/A
Chr11	106783189	106783444	Chr11.129695	<i>Polg2(-3802)</i>	N/A
Chr11	106787629	106787819	Chr11.129711	<i>Cep95(-1551),Ddx5(+808)</i>	N/A
Chr11	106788912	106789022	Chr11.129717	<i>Ddx5(-435),Cep95(-308)</i>	N/A
Chr11	106820434	106820583	Chr11.129787	<i>Cep95(-31234),Smurf2(+99961)</i>	N/A
Chr11	106820783	106820888	Chr11.129792	<i>Scam2(-51561),Smurf2(+99634)</i>	N/A
Chr11	106917203	106917396	Chr11.129862	<i>Smurf2(+3170),Cep95(+128025)</i>	N/A
Chr11	106917534	106917668	Chr11.129864	<i>Smurf2(+2869),Cep95(+128326)</i>	N/A
Chr11	106919003	106919136	Chr11.129869	<i>Smurf2(+1400),Cep95(+129795)</i>	N/A
Chr11	106919568	106919706	Chr11.129872	<i>Smurf2(+833)</i>	N/A
Chr11	106919736	106919933	Chr11.129873	<i>Smurf2(-635)</i>	N/A
Chr11	106933033	106930771	Chr11.129887	<i>Smurf2(-10067),Kpna2(+69004)</i>	N/A
Chr11	106954744	106954957	Chr11.129897	<i>Smurf2(-34381),Kpna2(+44690)</i>	N/A
Chr11	106957621	106957730	Chr11.129905	<i>Smurf2(-37206),Kpna2(+41865)</i>	N/A
Chr11	106961678	106961902	Chr11.129911	<i>Smurf2(-41320),Kpna2(+37791)</i>	N/A
Chr11	106967620	106968018	Chr11.129914	<i>Smurf2(-47449),Kpna2(+31622)</i>	N/A
Chr11	106975922	106976022	Chr11.129916	<i>Smurf2(-55502),Kpna2(+23569)</i>	N/A
Chr11	106982467	106982645	Chr11.129926	<i>Smurf2(-62086),Kpna2(+16985)</i>	N/A
Chr11	106986691	106986808	Chr11.129932	<i>Smurf2(-66280),Kpna2(+12791)</i>	N/A
Chr11	106999461	106999563	Chr11.129968	<i>Kpna2(+29)</i>	N/A
Chr11	107026466	107026727	Chr11.129985	<i>Kpna2(-27056),Bpf(+105325)</i>	N/A
Chr11	107027180	107027312	Chr11.129992	<i>Kpna2(-27705),Bpf(+104676)</i>	N/A
Chr11	107034159	107034310	Chr11.130015	<i>Kpna2(-34694),Bpf(+97687)</i>	N/A

Chr11	107130554	107130660	Chr11.130207	<i>Kpna2(-131066),Bptf(+1315)</i>	N/A
Chr11	107264830	107264950	Chr11.130410	<i>Not1(-75509),Pitpnc1(+205809)</i>	N/A
Chr11	107265422	107265538	Chr11.130413	<i>Not1(-76099),Pitpnc1(+205219)</i>	N/A
Chr11	107272480	107272592	Chr11.130416	<i>Not1(-43155),Pitpnc1(+198159)</i>	N/A
Chr11	107306346	107306497	Chr11.130463	<i>Not1(-117041),Pitpnc1(+164277)</i>	N/A
Chr11	107310644	107310785	Chr11.130468	<i>Not1(-121334),Pitpnc1(+159984)</i>	N/A
Chr11	107325637	107325792	Chr11.130486	<i>Not1(-136334),Pitpnc1(+144984)</i>	N/A
Chr11	107335338	107335472	Chr11.130489	<i>Not1(-146024),Pitpnc1(+135294)</i>	N/A
Chr11	107335799	107335904	Chr11.130494	<i>Not1(-146471),Pitpnc1(+134847)</i>	N/A
Chr11	107341512	107341614	Chr11.130505	<i>Not1(-152182),Pitpnc1(+129136)</i>	N/A
Chr11	107356355	107356562	Chr11.130518	<i>Not1(-167078),Pitpnc1(+114240)</i>	N/A
Chr11	107376359	107376553	Chr11.130525	<i>Not1(-187075),Pitpnc1(+94243)</i>	N/A
Chr11	107380216	107380317	Chr11.130532	<i>Not1(-190886),Pitpnc1(+90432)</i>	N/A
Chr11	107388981	107389083	Chr11.130544	<i>Not1(-199601),Pitpnc1(+81717)</i>	N/A
Chr11	107398963	107398974	Chr11.130556	<i>Not1(-210336),Pitpnc1(+70780)</i>	N/A
Chr11	107413440	107413626	Chr11.130557	<i>Not1(-224152),Pitpnc1(+57166)</i>	N/A
Chr11	107470403	107470521	Chr11.130619	<i>Pitpnc1(+237)</i>	N/A
Chr11	107470629	107470733	Chr11.130622	<i>Pitpnc1(+18)</i>	N/A
Chr11	107471388	107471576	Chr11.130625	<i>Pitpnc1(-783)</i>	N/A
Chr11	107513171	107513386	Chr11.130661	<i>Helz(-34681),Psmf12(+33795)</i>	N/A
Chr11	107546173	107546348	Chr11.130668	<i>Helz(-1699)</i>	N/A
Chr11	207414179	20741626	Chr11.13072	<i>Atfph(+36)</i>	N/A
Chr11	20742532	20742645	Chr11.13077	<i>Atfph(-1000)</i>	N/A
Chr11	20742711	20742821	Chr11.13079	<i>Atfph(-1177)</i>	N/A
Chr11	107792582	107792736	Chr11.130950	<i>Cacng1(-76137),Cacng4(+1898)</i>	N/A
Chr11	108038690	108038819	Chr11.131146	<i>Cacng5(-123700),Prkca(+305173)</i>	N/A
Chr11	108078527	108078664	Chr11.131177	<i>Cacng5(-163541),Prkca(+265332)</i>	N/A
Chr11	108136573	108136690	Chr11.131211	<i>Cacng5(-221577),Prkca(+207296)</i>	N/A
Chr11	108150549	108150782	Chr11.131224	<i>Cacng5(-235611),Prkca(+193262)</i>	N/A
Chr11	108221582	108221718	Chr11.131276	<i>Cacng5(-306595),Prkca(+122278)</i>	N/A
Chr11	108260806	108260909	Chr11.131311	<i>Cacng5(-345803),Prkca(+63070)</i>	N/A
Chr11	108267167	108267277	Chr11.131315	<i>Cacng5(-352167),Prkca(+76706)</i>	N/A
Chr11	108298043	108298186	Chr11.131332	<i>Cacng5(-383060),Prkca(+45813)</i>	N/A
Chr11	108299692	108299835	Chr11.131334	<i>Cacng5(-384709),Prkca(+44164)</i>	N/A
Chr11	108312897	108313006	Chr11.131354	<i>Cacng5(-397897),Prkca(+30976)</i>	N/A
Chr11	108424235	108424446	Chr11.131442	<i>Cep112(-925)</i>	N/A
Chr11	108484041	108484239	Chr11.131496	<i>Axin2(-436209),Cep112(+58874)</i>	N/A
Chr11	108484459	108484621	Chr11.131498	<i>Axin2(-435809),Cep112(+59274)</i>	N/A
Chr11	108528094	108528397	Chr11.131532	<i>Axin2(-392103),Cep112(+102980)</i>	N/A
Chr11	108552515	108552634	Chr11.131543	<i>Axin2(-367774),Cep112(+127309)</i>	N/A
Chr11	108553109	108553269	Chr11.131544	<i>Axin2(-367180),Cep112(+127923)</i>	N/A
Chr11	108562266	108562387	Chr11.131552	<i>Axin2(-358022),Cep112(+137061)</i>	N/A
Chr11	108593881	108594123	Chr11.131567	<i>Axin2(-326347),Cep112(+168738)</i>	N/A
Chr11	108620624	108621822	Chr11.131609	<i>Axin2(-299126),Cep112(+195957)</i>	N/A
Chr11	20829834	20829956	Chr11.13166	<i>Atfph(-88306),Lgals1(+1161)</i>	N/A
Chr11	108757345	108758368	Chr11.131673	<i>Axin2(-162492),Cep112(+332591)</i>	N/A
Chr11	108758398	108758625	Chr11.131686	<i>Axin2(-161837),Cep112(+33246)</i>	N/A
Chr11	108774596	108774698	Chr11.131692	<i>Axin2(-145702),Cep112(+49381)</i>	N/A
Chr11	108821875	108822038	Chr11.131748	<i>Axin2(-98392),Cep112(+396691)</i>	N/A
Chr11	20831899	20832048	Chr11.13175	<i>Lgals1(-918)</i>	N/A
Chr11	108822355	108822459	Chr11.131752	<i>Axin2(-97942),Cep112(+397141)</i>	N/A
Chr11	108835887	108836046	Chr11.131761	<i>Axin2(-84382),Cep112(+410701)</i>	N/A
Chr11	108836746	108836934	Chr11.131762	<i>Axin2(-83509),Cep112(+411574)</i>	N/A
Chr11	108885610	108886035	Chr11.131852	<i>Axin2(-44525),Cep112(+460557)</i>	N/A
Chr11	108886725	108887183	Chr11.131863	<i>Axin2(-33395),Cep112(+461688)</i>	N/A
Chr11	108890822	108890967	Chr11.131873	<i>Axin2(-29454),Cep112(+465629)</i>	N/A
Chr11	108891290	108891453	Chr11.131875	<i>Axin2(-28977),Cep112(+466106)</i>	N/A
Chr11	108901225	108901439	Chr11.131891	<i>Axin2(-19017),Cep112(+476066)</i>	N/A
Chr11	108917789	108917927	Chr11.131898	<i>Axin2(-2491)</i>	N/A
Chr11	108922655	108923139	Chr11.131908	<i>Axin2(-2698),E03002Sp04rik(+221322)</i>	N/A
Chr11	108924575	108924684	Chr11.131937	<i>Axin2(+4281),E03002Sp04rik(+219739)</i>	N/A
Chr11	108926616	108926800	Chr11.131945	<i>Axin2(+6359),E03002Sp04rik(+217661)</i>	N/A
Chr11	108927094	108927243	Chr11.131949	<i>Axin2(+6820),E03002Sp04rik(+217200)</i>	N/A
Chr11	108927938	108928070	Chr11.131953	<i>Axin2(+7655),E03002Sp04rik(+216365)</i>	N/A
Chr11	108933619	108933774	Chr11.131958	<i>Axin2(+10348),E03002Sp04rik(+213679)</i>	N/A
Chr11	108933936	108934056	Chr11.131970	<i>Axin2(+13647),E03002Sp04rik(+210373)</i>	N/A
Chr11	108935214	108935605	Chr11.131972	<i>Axin2(+15061),E03002Sp04rik(+208959)</i>	N/A
Chr11	108936390	108936761	Chr11.131983	<i>Axin2(+16227),E03002Sp04rik(+207793)</i>	N/A
Chr11	108941103	108941269	Chr11.131993	<i>Axin2(+20837),E03002Sp04rik(+203183)</i>	N/A
Chr11	108941609	108941753	Chr11.131997	<i>Axin2(+21332),E03002Sp04rik(+203588)</i>	N/A
Chr11	108947408	108947525	Chr11.132005	<i>Axin2(+27118),E03002Sp04rik(+196902)</i>	N/A
Chr11	108947930	108948117	Chr11.132060	<i>Axin2(+27675),E03002Sp04rik(+196345)</i>	N/A
Chr11	108949616	108949792	Chr11.132066	<i>Axin2(+29355),E03002Sp04rik(+194665)</i>	N/A
Chr11	20859137	20859273	Chr11.13207	<i>Peli1(-276264),Lgals1(-28149)</i>	N/A
Chr11	108961533	108962101	Chr11.132080	<i>Axin2(+41468),E03002Sp04rik(+182532)</i>	N/A
Chr11	108973546	108973698	Chr11.132095	<i>Axin2(+43273),E03002Sp04rik(+170747)</i>	N/A
Chr11	109039163	109039322	Chr11.132124	<i>E03002Sp04rik(+105126),Axin2(+118894)</i>	N/A
Chr11	109068577	109068838	Chr11.132132	<i>E03002Sp04rik(+75661),Axin2(+148359)</i>	N/A
Chr11	20870468	20870587	Chr11.13215	<i>Peli1(-264941),Lgals1(-39472)</i>	N/A
Chr11	109080813	109081209	Chr11.132162	<i>E03002Sp04rik(+63358),Axin2(+160662)</i>	N/A
Chr11	109087952	109088510	Chr11.132179	<i>E03002Sp04rik(+46333),Axin2(+177687)</i>	N/A
Chr11	109108792	109107074	Chr11.132189	<i>E03002Sp04rik(+37436),Axin2(+16654)</i>	N/A
Chr11	109126068	109126407	Chr11.132197	<i>E03002Sp04rik(+18131),Axin2(+205889)</i>	N/A
Chr11	109169086	109169211	Chr11.132235	<i>E03002Sp04rik(-24780),Rgs9(+128980)</i>	N/A
Chr11	109169496	109169668	Chr11.132239	<i>E03002Sp04rik(-25213),Rgs9(+128547)</i>	N/A
Chr11	109169883	109169985	Chr11.132242	<i>E03002Sp04rik(-25565),Rgs9(+128195)</i>	N/A
Chr11	109193064	109193176	Chr11.132262	<i>E03002Sp04rik(-46751),Rgs9(+105009)</i>	N/A
Chr11	109199744	109199939	Chr11.132272	<i>E03002Sp04rik(-55473),Rgs9(+98287)</i>	N/A
Chr11	109200002	109200106	Chr11.132275	<i>E03002Sp04rik(-55685),Rgs9(+98075)</i>	N/A
Chr11	109210293	109210709	Chr11.132280	<i>E03002Sp04rik(-66132),Rgs9(+87628)</i>	N/A
Chr11	109218157	109218367	Chr11.132286	<i>E03002Sp04rik(-73893),Rgs9(+79867)</i>	N/A
Chr11	109344204	109344303	Chr11.132376	<i>Rgs9(-46125),Gna13(-18577)</i>	N/A
Chr11	109347678	109347797	Chr11.132380	<i>Rgs9(-49609),Gna13(-15039)</i>	N/A
Chr11	109356950	109357052	Chr11.132385	<i>Rgs9(-58872),Gna13(-5830)</i>	N/A
Chr11	20896631	20896656	Chr11.13242	<i>Peli1(-238725),Lgals1(-65688)</i>	N/A
Chr11	20915517	20915819	Chr11.13252	<i>Peli1(-219801),Lgals1(-84612)</i>	N/A
Chr11	109471611	109471739	Chr11.132614	<i>Arsrg(-1699)</i>	N/A
Chr11	109472908	109473028	Chr11.132624	<i>Arsrg(-407),Slc16a6(+631)</i>	N/A
Chr11	109476038	109476157	Chr11.132630	<i>Slc16a6(-2500)</i>	N/A
Chr11	109485727	109485855	Chr11.132635	<i>Slc16a6(-12193),Wip1(+125641)</i>	N/A
Chr11	20934827	20934958	Chr11.13282	<i>Peli1(-200576),Lgals1(-103837)</i>	N/A
Chr11	109593624	109593751	Chr11.132829	<i>Slc16a6(-120090),Wip1(+17744)</i>	N/A
Chr11	109609108	109609291	Chr11.132845	<i>Slc16a6(-135602),Wip1(+2232)</i>	N/A
Chr11	109648650	109648810	Chr11.132876	<i>Prkar1a(-675)</i>	N/A
Chr11	109650853	109650953	Chr11.132888	<i>Prkar1a(+1498),Fam20a(+71353)</i>	N/A
Chr11	109653380	109653496	Chr11.132893	<i>Prkar1a(+4033),Fam20a(+68818)</i>	N/A
Chr11	109809699	109809861	Chr11.133075	<i>Fam20a(-87524),1700012b07rik(+18266)</i>	N/A
Chr11	109873896	109874046	Chr11.133092	<i>1700012b07rik(-45925),Abca8b(+121874)</i>	N/A
Chr11	12100060	121000624	Chr11.13331	<i>Lgals1(-189566),Peli1(-134757)</i>	N/A
Chr11	110168000	110168140	Chr11.133549	<i>Abca8(-128)</i>	N/A
Chr11	21016575	21017019	Chr11.13355	<i>Lgals1(-185741),Peli1(-118672)</i>	N/A
Chr11	110251732	110251885	Chr11.133713	<i>Abca8(-33)</i>	N/A
Chr11	21034028	21034170	Chr11.13379	<i>Lgals1(-203043),Peli1(-101370)</i>	N/A
Chr11	110399016	110399670	Chr11.133848	<i>Map2k6(+171)</i>	N/A
Chr11	110399668	110400204	Chr11.133853	<i>Map2k6(+814)</i>	N/A
Chr11	110401858	110402601	Chr11.133859	<i>Kcny16(-565803),Map2k6(+3108)</i>	N/A
Chr11	110402788	110402969	Chr11.133869	<i>Kcny16(-565154),Map2k6(+3757)</i>	N/A
Chr11	21036295	21036481	Chr11.13388	<i>Lgals1(-205332),Peli1(-99081)</i>	N/A
Chr11	110448189	110448310	Chr11.133911	<i>Kcny16(-519783),Map2k6(+49128)</i>	N/A
Chr11	110448603	110448710	Chr11.133915	<i>Kcny16(-519378),Map2k6(+49535)</i>	N/A
Chr11	110477939	110478140	Chr11.133931	<i>Kcny16(-489993),Map2k6(+78918)</i>	N/A
Chr11	110478989	110479112	Chr11.133941	<i>Kcny16(-488982),Map2k6(+79929)</i>	N/A
Chr11	110503394	110503580	Chr11.133984	<i>Kcny16(-464546),Map2k6(+104365)</i>	N/A
Chr11	110535111	110535230	Chr11.134032	<i>Kcny16(-432862),Map2k6(+136049)</i>	N/A
Chr11	110449861	110449996	Chr11.134154	<i>Kcny16(-318104),Map2k6(+250807)</i>	N/A
Chr11	110652067	110652338	Chr11.134160	<i>Kcny16(-315830),Map2k6(+253081)</i>	N/A
Chr11	110667673	110667873	Chr11.134193	<i>Kcny16(-300260),Map2k6(+268651)</i>	N/A
Chr11	110670727	110670952	Chr11.134199	<i>Kcny16(-297193),Map2k6(+271718)</i>	N/A
Chr11	110725574	110725890	Chr11.134275	<i>Kcny16(-242301),Map2k6(+326610)</i>	N/A
Chr11	110774494	110774634	Chr11.134298	<i>Kcny16(-193469),Map2k6(+375442)</i>	N/A
Chr11	110782166	110782232	Chr11.134306	<i>Kcny16(-185787),Map2k6(+383124)</i>	N/A
Chr11	110799963	110800188	Chr11.134310	<i>Kcny16(-167957),Map2k6(+40956)</i>	N/A
Chr11	110801976	110802389	Chr11.134315	<i>Kcny16(-165850),Map2k6(+403061)</i>	N/A
Chr11	110822631	110822985	Chr11.134337	<i>Kcny16(-145225),Map2k6(+423686)</i>	N/A
Chr11	110824087	110824236	Chr11.134345	<i>Kcny16(-143871),Map2k6(+425040)</i>	N/A
Chr11	21061448	210			

Chr11	11083330	110833347 Chr11.134365	Kcnj16(-134794),Map2k6(+434117)	N/A
Chr11	110833677	110833803 Chr11.134373	Kcnj16(-134293),Map2k6(+434618)	N/A
Chr11	110855846	110856025 Chr11.134406	Kcnj16(-112097),Map2k6(+456814)	N/A
Chr11	110859215	110859667 Chr11.134412	Kcnj16(-108442),Map2k6(+460468)	N/A
Chr11	110881179	110881492 Chr11.134432	Kcnj16(-86697),Map2k6(+482214)	N/A
Chr11	110956868	110956981 Chr11.134501	Kcnj16(-111108),Map2k6(+557803)	N/A
Chr11	110958856	110959159 Chr11.134507	Kcnj16(-9025),Map2k6(+559886)	N/A
Chr11	110961757	110962137 Chr11.134513	Kcnj16(-6086),Map2k6(+562825)	N/A
Chr11	110967635	110968059 Chr11.134523	Kcnj16(-89)	N/A
Chr11	11097342	110977502 Chr11.134557	Kcnj2(-48742),Kcnj16(+29389)	N/A
Chr11	111009371	111009525 Chr11.134572	Kcnj2(-56716),Kcnj16(+41415)	N/A
Chr11	111022373	111022473 Chr11.134584	Kcnj2(-43741),Kcnj16(+54390)	N/A
Chr11	21091966	21092161 Chr11.13460	Lgals(-261008),Pel1(-43405)	N/A
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Chr11	111065228	111065417 Chr11.134709	Kcnj2(-641)	N/A
Chr11	111065797	111065920 Chr11.134713	Kcnj2(-305)	N/A
Chr11	111066092	111066219 Chr11.134717	Kcnj2(-8)	N/A
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Chr11	111067960	111068088 Chr11.134730	Kcnj2(+1860)	N/A
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Chr11	111165564	111165713 Chr11.134918	Kcnj2(+99475)	N/A
Chr11	211450977	111451113 Chr11.135090	Kcnj2(+384881),Gm11678(+980591)	N/A
Chr11	21119685	21119871 Chr11.13511	Lgals(-288722),Pel1(-15691)	N/A
Chr11	111536486	111536627 Chr11.135112	Kcnj2(+470393),Gm11678(+895079)	N/A
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Chr11	111555648	111555923 Chr11.135137	Kcnj2(+489622),Gm11678(+875850)	N/A
Chr11	111562525	111562711 Chr11.135150	Kcnj2(+496454),Gm11678(+869018)	N/A
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Chr11	111770042	111770308 Chr11.135481	Gm11678(+661461),Kcnj2(+704011)	N/A
Chr11	111781330	111781709 Chr11.135508	Gm11678(+650116),Kcnj2(+715356)	N/A
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Chr11	111819186	111819487 Chr11.135581	Gm11678(+613299),Kcnj2(+752173)	N/A
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Chr11	111894009	111894259 Chr11.135707	Gm11678(+537502),Kcnj2(+827970)	N/A
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Chr11	111929608	111929781 Chr11.135758	Gm11678(+501941),Kcnj2(+863531)	N/A
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Chr11	111944412	111944759 Chr11.135796	Gm11678(+487050),Kcnj2(+878422)	N/A
Chr11	21165466	21165633 Chr11.13580	Vps54(-13731),Pel1(+30081)	N/A
Chr11	111946454	111946570 Chr11.135801	Gm11678(+485124),Kcnj2(+880348)	N/A
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Chr11	111958424	111958704 Chr11.135822	Gm11678(+473072),Kcnj2(+892400)	N/A
Chr11	111961529	111961617 Chr11.135826	Gm11678(+46963),Kcnj2(+895509)	N/A
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Chr11	112052221	112052510 Chr11.135985	Gm11678(+379270),Kcnj2(+986202)	N/A
Chr11	112056484	112056513 Chr11.135988	Gm11678(+376062),Kcnj2(+989390)	N/A
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Chr11	112083095	112083308 Chr11.136007	Gm11678(+348434)	N/A
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Chr11	112137711	112137821 Chr11.136156	Gm11678(+293870)	N/A
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Chr11	112450130	112450369 Chr11.136661	Sax9(-331974),Gm11678(-18614)	N/A
Chr11	112473376	112473508 Chr11.136690	Sax9(-308782),Gm11678(-41806)	N/A
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Chr11	112501750	112502244 Chr11.136729	Sax9(-280227),Gm11678(-70361)	N/A
Chr11	112507083	112507217 Chr11.136742	Sax9(-275074),Gm11678(-75514)	N/A
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Chr11	21339285	21339578 Chr11.13680	Lgpd2(-51045),Vps54(+100151)	N/A
Chr11	112538109	112538361 Chr11.136801	Sax9(-243989),Gm11678(-106599)	N/A
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Chr11	112620839	112621191 Chr11.136937	Gm11678(-189379),Sax9(-161209)	N/A
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Chr11	112657433	112657790 Chr11.136994	Gm11678(-225976),Sax9(-124612)	N/A
Chr11	112667508	112667765 Chr11.137013	Gm11678(-236001),Sax9(-114587)	N/A
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Chr11	112685744	112685981 Chr11.137052	Gm11678(-254227),Sax9(-96361)	N/A
Chr11	21369804	21369760 Chr11.13706	Lgpd2(+795)	N/A
Chr11	112711678	112711821 Chr11.137096	Gm11678(-280114),Sax9(-70474)	N/A
Chr11	112717646	112717763 Chr11.137097	Gm11678(-286069),Sax9(-64519)	N/A
Chr11	112728338	112728438 Chr11.137121	Gm11678(-296752),Sax9(-53836)	N/A
Chr11	112753261	112753403 Chr11.137145	Gm11678(-321696),Sax9(-28892)	N/A
Chr11	112755136	112755483 Chr11.137151	Gm11678(-323674),Sax9(-26914)	N/A
Chr11	112762488	112762618 Chr11.137169	Gm11678(-330917),Sax9(-19571)	N/A
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Chr11	112775664	112775812 Chr11.137215	Gm11678(-344102),Sax9(-6486)	N/A
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Chr11	112786365	112786491 Chr11.137248	Sax9(+4204),Slc39a11(+779331)	N/A
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Chr11	112870132	112870291 Chr11.137403	Sax9(+87988),Slc39a11(+695547)	N/A
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Chr11	112872653	112872911	Chr11.137413	<i>Sax9</i> (+90558), <i>Slc39a11</i> (+692977)	N/A
Chr11	112920582	112920734	Chr11.137465	<i>Sax9</i> (+138434), <i>Slc39a11</i> (+645101)	N/A
Chr11	112926721	112926977	Chr11.137479	<i>Sax9</i> (+144626), <i>Slc39a11</i> (+638910)	N/A
Chr11	112957100	112957229	Chr11.137516	<i>Sax9</i> (+174941), <i>Slc39a11</i> (+606594)	N/A
Chr11	112976650	112977097	Chr11.137522	<i>Sax9</i> (+194800), <i>Slc39a11</i> (+588735)	N/A
Chr11	112979054	112979261	Chr11.137530	<i>Sax9</i> (+196934), <i>Slc39a11</i> (+586601)	N/A
Chr11	112982470	112982870	Chr11.137536	<i>Sax9</i> (+200446), <i>Slc39a11</i> (+583089)	N/A
Chr11	112982916	112983108	Chr11.137542	<i>Sax9</i> (+200788), <i>Slc39a11</i> (+582747)	N/A
Chr11	112983365	112983464	Chr11.137545	<i>Sax9</i> (+201191), <i>Slc39a11</i> (+582344)	N/A
Chr11	112987874	112988064	Chr11.137548	<i>Sax9</i> (+205749), <i>Slc39a11</i> (+577790)	N/A
Chr11	112990182	112990413	Chr11.137557	<i>Sax9</i> (+208074), <i>Slc39a11</i> (+575461)	N/A
Chr11	112991983	112992199	Chr11.137561	<i>Sax9</i> (+209867), <i>Slc39a11</i> (+573668)	N/A
Chr11	112999370	112999476	Chr11.137569	<i>Sax9</i> (+217199), <i>Slc39a11</i> (+566336)	N/A
Chr11	113016994	113017272	Chr11.137586	<i>Sax9</i> (+234894), <i>Slc39a11</i> (+548641)	N/A
Chr11	113017722	113017849	Chr11.137591	<i>Sax9</i> (+235562), <i>Slc39a11</i> (+547973)	N/A
Chr11	113021678	113021980	Chr11.137602	<i>Sax9</i> (+239705), <i>Slc39a11</i> (+543930)	N/A
Chr11	113026653	113026793	Chr11.137606	<i>Sax9</i> (+244499), <i>Slc39a11</i> (+539036)	N/A
Chr11	113052809	113052747	Chr11.137645	<i>Sax9</i> (+270454), <i>Slc39a11</i> (+513081)	N/A
Chr11	113056212	113056357	Chr11.137652	<i>Sax9</i> (+274061), <i>Slc39a11</i> (+509474)	N/A
Chr11	113056983	113057088	Chr11.137656	<i>Sax9</i> (+274812), <i>Slc39a11</i> (+508723)	N/A
Chr11	113057144	113057289	Chr11.137659	<i>Sax9</i> (+274993), <i>Slc39a11</i> (+506542)	N/A
Chr11	113061082	113061224	Chr11.137663	<i>Sax9</i> (+278929), <i>Slc39a11</i> (+504606)	N/A
Chr11	113084921	113085064	Chr11.137697	<i>Sax9</i> (+302769), <i>Slc39a11</i> (+480766)	N/A
Chr11	113085101	113085209	Chr11.137702	<i>Sax9</i> (+302931), <i>Slc39a11</i> (+480604)	N/A
Chr11	113085912	113086252	Chr11.137712	<i>Sax9</i> (+303858), <i>Slc39a11</i> (+479677)	N/A
Chr11	113101181	113101287	Chr11.137745	<i>Sax9</i> (+319070), <i>Slc39a11</i> (+465435)	N/A
Chr11	113107625	113107737	Chr11.137761	<i>Sax9</i> (+325457), <i>Slc39a11</i> (+458078)	N/A
Chr11	113132519	113132716	Chr11.137784	<i>Sax9</i> (+350394), <i>Slc39a11</i> (+433141)	N/A
Chr11	113140698	113140825	Chr11.137794	<i>Sax9</i> (+358588), <i>Slc39a11</i> (+424947)	N/A
Chr11	113143933	113144066	Chr11.137799	<i>Sax9</i> (+361776), <i>Slc39a11</i> (+421759)	N/A
Chr11	113148106	113148209	Chr11.137804	<i>Sax9</i> (+365934), <i>Slc39a11</i> (+417601)	N/A
Chr11	113182860	113186597	Chr11.137825	<i>Slc39a11</i> (+377330), <i>Sax9</i> (+406205)	N/A
Chr11	113221457	113221629	Chr11.137834	<i>Slc39a11</i> (+344216), <i>Sax9</i> (+439319)	N/A
Chr11	113232067	113232369	Chr11.137845	<i>Slc39a11</i> (+333541), <i>Sax9</i> (+449994)	N/A
Chr11	113259811	113260038	Chr11.137881	<i>Slc39a11</i> (+305834), <i>Sax9</i> (+477701)	N/A
Chr11	113277246	113277451	Chr11.137903	<i>Slc39a11</i> (+288410), <i>Sax9</i> (+495125)	N/A
Chr11	113283684	113283788	Chr11.137911	<i>Slc39a11</i> (+426023), <i>Sax9</i> (+501572)	N/A
Chr11	113419137	113419297	Chr11.137972	<i>Slc39a11</i> (+146542), <i>Sax9</i> (+636993)	N/A
Chr11	113439621	113439765	Chr11.137983	<i>Slc39a11</i> (+126066), <i>Sax9</i> (+657469)	N/A
Chr11	113459321	113459502	Chr11.137990	<i>Slc39a11</i> (+106347), <i>Sax9</i> (+677188)	N/A
Chr11	113565751	113565887	Chr11.138059	<i>Slc39a11</i> (-60)	N/A
Chr11	21569603	21569751	Chr11.13820	<i>Wdpcp1</i> (-2558), <i>Mdn1</i> (+2516)	N/A
Chr11	215721180	21572206	Chr11.13835	<i>Mdn1</i> (-50), <i>Wdpcp1</i> (-9)	N/A
Chr11	113750046	113750202	Chr11.138363	<i>Cps4f4</i> (-40598), <i>Cdc42ep4</i> (+1194)	N/A
Chr11	113754937	113755047	Chr11.138367	<i>Cdc42ep4</i> (-3674)	N/A
Chr11	113872582	113872700	Chr11.138658	<i>Cdc42ep4</i> (-121323), <i>Sdk2</i> (+193577)	N/A
Chr11	113901036	113901180	Chr11.138702	<i>Cdc42ep4</i> (-149780), <i>Sdk2</i> (+165120)	N/A
Chr11	113942348	113942474	Chr11.138733	<i>Cdc42ep4</i> (-191093), <i>Sdk2</i> (+12380)	N/A
Chr11	113951471	113951727	Chr11.138743	<i>Cdc42ep4</i> (-200281), <i>Sdk2</i> (+114619)	N/A
Chr11	113970263	113970374	Chr11.138759	<i>Cdc42ep4</i> (-219001), <i>Sdk2</i> (+95899)	N/A
Chr11	113990044	113990151	Chr11.138780	<i>Cdc42ep4</i> (-238780), <i>Sdk2</i> (+76120)	N/A
Chr11	113992996	113993132	Chr11.138789	<i>Cdc42ep4</i> (-241746), <i>Sdk2</i> (+73154)	N/A
Chr11	114016015	114016201	Chr11.138800	<i>Cdc42ep4</i> (-264790), <i>Sdk2</i> (+507110)	N/A
Chr11	114028634	114028770	Chr11.138809	<i>Cdc42ep4</i> (-277394), <i>Sdk2</i> (+375154)	N/A
Chr11	114029007	114029115	Chr11.138812	<i>Cdc42ep4</i> (-277743), <i>Sdk2</i> (+37157)	N/A
Chr11	114032356	114033407	Chr11.138817	<i>Cdc42ep4</i> (-282014), <i>Sdk2</i> (+32886)	N/A
Chr11	114039685	114039852	Chr11.138823	<i>Cdc42ep4</i> (-288451), <i>Sdk2</i> (+26449)	N/A
Chr11	114040550	114040746	Chr11.138826	<i>Cdc42ep4</i> (-289330), <i>Sdk2</i> (+25570)	N/A
Chr11	114051488	114051684	Chr11.138845	<i>Cdc42ep4</i> (-310228), <i>Sdk2</i> (+4672)	N/A
Chr11	114052527	114052690	Chr11.138851	<i>Cdc42ep4</i> (-311291), <i>Sdk2</i> (+3609)	N/A
Chr11	114146458	114146570	Chr11.138905	<i>Rpl38</i> (-522095), <i>Sdk2</i> (-80296)	N/A
Chr11	114165721	114165921	Chr11.138917	<i>Rpl38</i> (-502788), <i>Sdk2</i> (-99603)	N/A
Chr11	114175854	114176019	Chr11.138935	<i>Rpl38</i> (-492672), <i>Sdk2</i> (-109719)	N/A
Chr11	114177731	114177915	Chr11.138939	<i>Rpl38</i> (-490786), <i>Sdk2</i> (-111605)	N/A
Chr11	114185173	114185279	Chr11.138945	<i>Rpl38</i> (-483383), <i>Sdk2</i> (-119008)	N/A
Chr11	114195098	114195215	Chr11.138956	<i>Rpl38</i> (-473452), <i>Sdk2</i> (-128939)	N/A
Chr11	114198409	114198567	Chr11.138962	<i>Rpl38</i> (-470121), <i>Sdk2</i> (-132270)	N/A
Chr11	114216882	114217023	Chr11.138980	<i>Rpl38</i> (-451656), <i>Sdk2</i> (-150735)	N/A
Chr11	114239305	114239575	Chr11.138993	<i>Rpl38</i> (-429169), <i>Sdk2</i> (-173222)	N/A
Chr11	114261958	114262124	Chr11.139004	<i>Rpl38</i> (-406566), <i>Sdk2</i> (-196523)	N/A
Chr11	114273216	114273350	Chr11.139015	<i>Rpl38</i> (-396326), <i>Sdk2</i> (-207065)	N/A
Chr11	114294240	114294467	Chr11.139040	<i>Rpl38</i> (-374255), <i>Sdk2</i> (-228136)	N/A
Chr11	114371233	114371402	Chr11.139104	<i>Sdk2</i> (-305100), <i>Rpl38</i> (-297291)	N/A
Chr11	114446987	114447194	Chr11.139147	<i>Sdk2</i> (-380873), <i>Rpl38</i> (-221518)	N/A
Chr11	114455088	114455294	Chr11.139155	<i>Sdk2</i> (-388973), <i>Rpl38</i> (-213418)	N/A
Chr11	114460271	114460384	Chr11.139167	<i>Sdk2</i> (-400110), <i>Rpl38</i> (-202281)	N/A
Chr11	114478223	114478427	Chr11.139167	<i>Sdk2</i> (-412107), <i>Rpl38</i> (-190284)	N/A
Chr11	114495953	114499726	Chr11.139198	<i>Sdk2</i> (-433442), <i>Rpl38</i> (-168949)	N/A
Chr11	114529212	114529398	Chr11.139229	<i>Sdk2</i> (-463087), <i>Rpl38</i> (-139304)	N/A
Chr11	114534844	114534748	Chr11.139230	<i>Sdk2</i> (-468478), <i>Rpl38</i> (-133913)	N/A
Chr11	114537093	114537286	Chr11.139233	<i>Sdk2</i> (-470972), <i>Rpl38</i> (-131419)	N/A
Chr11	114537493	114537602	Chr11.139236	<i>Sdk2</i> (-471330), <i>Rpl38</i> (-131061)	N/A
Chr11	114560550	114560663	Chr11.139252	<i>Sdk2</i> (-494389), <i>Rpl38</i> (-108002)	N/A
Chr11	114563357	114563490	Chr11.139259	<i>Sdk2</i> (-497206), <i>Rpl38</i> (-105185)	N/A
Chr11	114567309	114567546	Chr11.139261	<i>Sdk2</i> (-501210), <i>Rpl38</i> (-101181)	N/A
Chr11	114704409	114704512	Chr11.139362	<i>Dnae2</i> (-22951), <i>Tyh2</i> (+29030)	N/A
Chr11	114729281	114729281	Chr11.139409	<i>Kif18b</i> (-36194), <i>Dnae2</i> (+1783)	N/A
Chr11	114795915	114796046	Chr11.139631	<i>Gpr142</i> (-2943), <i>Btd17</i> (-84)	N/A
Chr11	114822787	114822923	Chr11.139677	<i>Gprc5c</i> (-28987), <i>Gpr142</i> (+23931)	N/A
Chr11	114844045	114844241	Chr11.139687	<i>Gprc5c</i> (-7699), <i>Gpr142</i> (+45219)	N/A
Chr11	114844305	114844411	Chr11.139693	<i>Gprc5c</i> (-7484), <i>Gpr142</i> (+45434)	N/A
Chr11	114851882	114852019	Chr11.139708	<i>Gprc5c</i> (+109)	N/A
Chr11	114873334	114873472	Chr11.139718	<i>Cd300a</i> (-16538), <i>Gprc5c</i> (+21561)	N/A
Chr11	115164558	115164657	Chr11.139921	<i>Slc9a3r1</i> (+1267), <i>Nat9</i> (+22782)	N/A
Chr11	115172293	115172404	Chr11.139934	<i>Slc9a3r1</i> (+9008), <i>Nat9</i> (+15041)	N/A
Chr11	115174109	115174213	Chr11.139936	<i>Slc9a3r1</i> (+10820), <i>Nat9</i> (+13229)	N/A
Chr11	115177641	115177918	Chr11.139958	<i>Nat9</i> (+9610), <i>Slc9a3r1</i> (+14439)	N/A
Chr11	115209551	115207052	Chr11.140041	<i>Tmem104</i> (+19515), <i>Grin2c</i> (+60341)	N/A
Chr11	115211014	115210251	Chr11.140053	<i>Tmem104</i> (+22891), <i>Grin2c</i> (+57065)	N/A
Chr11	115225631	115225748	Chr11.140075	<i>Tmem104</i> (+38203), <i>Grin2c</i> (+41553)	N/A
Chr11	115227365	115227511	Chr11.140084	<i>Grin2c</i> (+39805), <i>Tmem104</i> (+39951)	N/A
Chr11	115232162	115232307	Chr11.140091	<i>Grin2c</i> (+35008), <i>Tmem104</i> (+44748)	N/A
Chr11	115319893	115320014	Chr11.140342	<i>Ush1g</i> (+2087), <i>Otop2</i> (-12791)	N/A
Chr11	115401087	115401199	Chr11.140623	<i>Mps5b</i> (-2614)	N/A
Chr11	115421413	115421615	Chr11.140680	<i>Atp5h</i> (-1597), <i>Kctd2</i> (+1386)	N/A
Chr11	115512166	115512283	Chr11.140888	<i>Nf5c</i> (-20363), <i>Jpt1</i> (+2162)	N/A
Chr11	115512969	115513088	Chr11.140894	<i>Nf5c</i> (-21167), <i>Jpt1</i> (+1358)	N/A
Chr11	115536241	115536354	Chr11.140928	<i>Sumo2</i> (-22)	N/A
Chr11	115539425	115539534	Chr11.140932	<i>Sumo2</i> (-204)	N/A
Chr11	21994382	21994513	Chr11.14095	<i>Otx1</i> (+7167), <i>Wdpcp</i> (+422213)	N/A
Chr11	21995766	21995937	Chr11.14098	<i>Otx1</i> (+5763), <i>Wdpcp</i> (+423617)	N/A
Chr11	115670691	115670808	Chr11.141215	<i>Slc25a19</i> (-42455), <i>Grb2</i> (+37847)	N/A
Chr11	115674399	115674514	Chr11.141217	<i>Slc25a19</i> (-46162), <i>Grb2</i> (+34140)	N/A
Chr11	115680039	115680184	Chr11.141220	<i>Slc25a19</i> (-51817), <i>Grb2</i> (+28465)	N/A
Chr11	115682520	115682653	Chr11.141223	<i>Slc25a19</i> (-54292), <i>Grb2</i> (+28010)	N/A
Chr11	115689393	115689588	Chr11.141231	<i>Slc25a19</i> (-70196), <i>Grb2</i> (+10106)	N/A
Chr11	115699146	115699609	Chr11.141237	<i>Slc25a19</i> (-71083), <i>Grb2</i> (+9219)	N/A
Chr11	115700594	115700694	Chr11.141248	<i>Slc25a19</i> (-72349), <i>Grb2</i> (+7953)	N/A
Chr11	115737994	115738099	Chr11.141276	<i>Grb2</i> (-29450), <i>Tmem94</i> (-27386)	N/A
Chr11	115756442	115756562	Chr11.141287	<i>Tmem94</i> (+119)	N/A
Chr11	115766518	115767022	Chr11.141292	<i>Tmem94</i> (+1237), <i>Caskin2</i> (+46960)	N/A
Chr11	115767115	115767215	Chr11.141293	<i>Tmem94</i> (+1732), <i>Caskin2</i> (+46465)	N/A
Chr11	115777245	115777382	Chr11.141303	<i>Tmem94</i> (+11881), <i>Caskin2</i> (+36316)	N/A
Chr11	115777645	115777749	Chr11.141306	<i>Tmem94</i> (+12264), <i>Caskin2</i> (+35933)	N/A
Chr11	115782874	115782999	Chr11.141313	<i>Tmem94</i> (+12264), <i>Caskin2</i> (+30693)	N/A
Chr11	22001243	22001347	Chr11.14134	<i>Otx1</i> (+320)	N/A
Chr11					

Chr11	115945477	115945582	Chr11.142186	<i>Ilgb4(-29195),Recq(-12053)</i>	N/A
Chr11	115956581	115956693	Chr11.142206	<i>Recq(-23160),Ilgb4(-18088)</i>	N/A
Chr11	115965142	115965262	Chr11.142235	<i>Recq(-31725),Ilgb4(-9523)</i>	N/A
Chr11	116005893	116006058	Chr11.142444	<i>Galk1(+6743),Ilgb4(+31251)</i>	N/A
Chr11	116022574	116022747	Chr11.142542	<i>Galk1(-9942),H3f3b(+5301)</i>	N/A
Chr11	116022778	116022958	Chr11.142545	<i>Galk1(-10149),H3f3b(+5094)</i>	N/A
Chr11	116024480	116024851	Chr11.142560	<i>Galk1(-11947),H3f3b(+3296)</i>	N/A
Chr11	116030220	116030764	Chr11.142577	<i>H3f3b(-2530),Unk(+170)</i>	N/A
Chr11	116030520	116030827	Chr11.142590	<i>Unk(+8352),Unc13d(+39287)</i>	N/A
Chr11	116060106	116060267	Chr11.142658	<i>Unc13d(+17774),Unk(+28665)</i>	N/A
Chr11	116060780	116061017	Chr11.142663	<i>Unc13d(+17062),Unk(+30577)</i>	N/A
Chr11	116108756	116108883	Chr11.142866	<i>Wbp2(-21825),Timm4(+1426)</i>	N/A
Chr11	116189393	116189606	Chr11.143166	<i>Fdr1(-21347),Ten1(-9355)</i>	N/A
Chr11	116216001	116216115	Chr11.143197	<i>Acox1(-17073),Evp(+22019)</i>	N/A
Chr11	116219081	116219304	Chr11.143216	<i>Acox1(-19153),Evp(+19879)</i>	N/A
Chr11	116285630	116285751	Chr11.143567	<i>Gal2(-4752),Exoc7(+21043)</i>	N/A
Chr11	116333390	116333557	Chr11.143678	<i>Exoc7(-26740),Foxj1(+1925)</i>	N/A
Chr11	116335346	116335480	Chr11.143694	<i>Foxj1(-14)</i>	N/A
Chr11	116348144	116348264	Chr11.143739	<i>Foxj1(-12805),Rnf157(+64800)</i>	N/A
Chr11	116377179	116377290	Chr11.143796	<i>Foxj1(+41836),Rnf157(+35769)</i>	N/A
Chr11	116411651	116411818	Chr11.143810	<i>Foxj1(-78380),Rnf157(+1269)</i>	N/A
Chr11	116431087	116431283	Chr11.143820	<i>Ubal2(-2909)</i>	N/A
Chr11	116433675	116433839	Chr11.143827	<i>Ubal2(-337)</i>	N/A
Chr11	116646787	116646999	Chr11.144337	<i>Rhbd2(-19874),Cygb(+7420)</i>	N/A
Chr11	116647897	116648023	Chr11.144344	<i>Rhbd2(-20941),Cygb(+6353)</i>	N/A
Chr11	116661222	116661365	Chr11.144383	<i>Shng1b(-10385),Prcl(+4176)</i>	N/A
Chr11	116662208	116662374	Chr11.144392	<i>Shng1b(-9378),Prcl(+5183)</i>	N/A
Chr11	116807890	116807991	Chr11.144547	<i>Stfgalnac1(-32434),Mkra7(+20105)</i>	N/A
Chr11	116810751	116810896	Chr11.144552	<i>Stfgalnac1(-35317),Mkra7(+17222)</i>	N/A
Chr11	116850112	116850410	Chr11.144632	<i>Mfsd11(-3359),Srsf2(+2833)</i>	N/A
Chr11	116850594	116850587	Chr11.144637	<i>Mfsd11(-3029),Srsf2(+2303)</i>	N/A
Chr11	116851614	116851899	Chr11.144643	<i>Mfsd11(-2053),Srsf2(+1337)</i>	N/A
Chr11	116954595	116954752	Chr11.144772	<i>Sec14l1(-160498),Mgat5b(+35811)</i>	N/A
Chr11	116967571	116967684	Chr11.144779	<i>Sec14l1(-147544),Mgat5b(+48765)</i>	N/A
Chr11	117007904	117008017	Chr11.144826	<i>Sec14l1(-107211),Mgat5b(+89098)</i>	N/A
Chr11	117030374	117030584	Chr11.144839	<i>Sec14l1(-84693),Mgat5b(+111616)</i>	N/A
Chr11	117072244	117072435	Chr11.144856	<i>Sec14l1(-37832),Mgat5b(+158477)</i>	N/A
Chr11	117127668	117127775	Chr11.144868	<i>Sept9(-71939),Sec14l1(+12550)</i>	N/A
Chr11	117135545	117135708	Chr11.144869	<i>Sept9(-64034),Sec14l1(+20455)</i>	N/A
Chr11	117158739	117158843	Chr11.144945	<i>Sept9(-40870),Sec14l1(+43619)</i>	N/A
Chr11	117185107	117185207	Chr11.144952	<i>Sept9(-14504),Sec14l1(+69985)</i>	N/A
Chr11	117232119	117232277	Chr11.144968	<i>Gm1773(-262170),Sept9(+32537)</i>	N/A
Chr11	117232443	117232556	Chr11.144972	<i>Gm1773(-251668),Sept9(+32639)</i>	N/A
Chr11	117265028	117265150	Chr11.144986	<i>Gm1773(-219279),Sept9(+65428)</i>	N/A
Chr11	117270216	117270320	Chr11.144989	<i>Gm1773(-214100),Sept9(+70607)</i>	N/A
Chr11	117311137	117311293	Chr11.145026	<i>Gm1773(-173153),Sept9(+111554)</i>	N/A
Chr11	117333224	117333428	Chr11.145032	<i>Gm1773(-151992),Sept9(+132715)</i>	N/A
Chr11	117394338	117394482	Chr11.145092	<i>Gm1773(-89958),Sept9(+194749)</i>	N/A
Chr11	117404717	117404833	Chr11.145099	<i>Gm1773(-79593),Sept9(+205114)</i>	N/A
Chr11	117407766	117408274	Chr11.145105	<i>Gm1773(-76348),Sept9(+208359)</i>	N/A
Chr11	117415192	117415522	Chr11.145119	<i>Gm1773(-69011),Sept9(+215696)</i>	N/A
Chr11	117443954	117444061	Chr11.145131	<i>Gm1773(-40360),Sept9(+244347)</i>	N/A
Chr11	117446574	117446790	Chr11.145137	<i>Gm1773(-37686),Sept9(+247021)</i>	N/A
Chr11	117452694	117452902	Chr11.145141	<i>Gm1773(-31570),Sept9(+252137)</i>	N/A
Chr11	117465466	117465599	Chr11.145158	<i>Gm1773(-18835),Sept9(+265872)</i>	N/A
Chr11	117484491	117484602	Chr11.145167	<i>Gm1773(+179)</i>	N/A
Chr11	117491946	117492060	Chr11.145169	<i>Tnrc6c(-162810),Gm1773(+7635)</i>	N/A
Chr11	117492221	117492346	Chr11.145171	<i>Tnrc6c(-162529),Gm1773(+7916)</i>	N/A
Chr11	117494859	117495144	Chr11.145173	<i>Tnrc6c(-15981),Gm1773(+10634)</i>	N/A
Chr11	117496226	117496746	Chr11.145178	<i>Tnrc6c(-158127),Gm1773(+12318)</i>	N/A
Chr11	117497797	117497941	Chr11.145182	<i>Tnrc6c(-156944),Gm1773(+13501)</i>	N/A
Chr11	117526008	117526269	Chr11.145188	<i>Tnrc6c(-128674),Gm1773(+41771)</i>	N/A
Chr11	117528277	117528445	Chr11.145195	<i>Tnrc6c(-126452),Gm1773(+43993)</i>	N/A
Chr11	117535980	117536115	Chr11.145205	<i>Tnrc6c(-118765),Gm1773(+51860)</i>	N/A
Chr11	117592878	117593042	Chr11.145211	<i>Otx1(-19154),Ehbp1(+93839)</i>	N/A
Chr11	117589625	117589748	Chr11.145216	<i>Tnrc6c(-65126),Gm1773(+105319)</i>	N/A
Chr11	117606506	117606613	Chr11.145223	<i>Tnrc6c(-48253),Gm1773(+122192)</i>	N/A
Chr11	117618243	117618350	Chr11.145230	<i>Tnrc6c(-36516),Gm1773(+133929)</i>	N/A
Chr11	117618428	117618552	Chr11.145233	<i>Tnrc6c(-36323),Gm1773(+134122)</i>	N/A
Chr11	117659026	117659222	Chr11.145271	<i>Tnrc6c(+4311),Tmc6(-121515)</i>	N/A
Chr11	117694011	117694715	Chr11.145279	<i>Tnrc6c(-28645),Tmc6(+5698)</i>	N/A
Chr11	22198531	22198716	Chr11.14530	<i>Otx1(-197009),Ehbp1(+88171)</i>	N/A
Chr11	22199812	22200177	Chr11.14534	<i>Otx1(-198380),Ehbp1(+86800)</i>	N/A
Chr11	117761806	117761952	Chr11.145416	<i>Tmc6(+18760),Tnrc6c(+107068)</i>	N/A
Chr11	117881962	117882128	Chr11.145474	<i>Tha1(-6586),Socs3(+87141)</i>	N/A
Chr11	117889193	117889329	Chr11.145751	<i>Tha1(-15802),Socs3(+79629)</i>	N/A
Chr11	117932379	117932502	Chr11.145756	<i>Tha1(-58982),Socs3(+36745)</i>	N/A
Chr11	117939809	117940014	Chr11.145759	<i>Tha1(-66453),Socs3(+29274)</i>	N/A
Chr11	117962212	117962392	Chr11.145772	<i>Tha1(-88843),Socs3(+6884)</i>	N/A
Chr11	117965782	117965919	Chr11.145781	<i>Tha1(-92392),Socs3(+3335)</i>	N/A
Chr11	117966094	117966236	Chr11.145783	<i>Tha1(-92701),Socs3(+3026)</i>	N/A
Chr11	117969318	117969425	Chr11.145785	<i>Tha1(-92913),Socs3(+2814)</i>	N/A
Chr11	117974754	117974897	Chr11.145801	<i>Pgs1(-11466),Socs3(+5640)</i>	N/A
Chr11	117979527	117979748	Chr11.145806	<i>Socs3(-10452),Pgs1(-6654)</i>	N/A
Chr11	117989927	117990084	Chr11.145822	<i>Pgs1(+3714),Dnah17(+139213)</i>	N/A
Chr11	22285935	222859587	Chr11.14583	<i>Otx1(-284148),Ehbp1(+1034)</i>	N/A
Chr11	117995378	117995502	Chr11.145832	<i>Pgs1(+91449),Dnah17(+133779)</i>	N/A
Chr11	118015909	118016013	Chr11.145897	<i>Pgs1(+29669),Dnah17(+113258)</i>	N/A
Chr11	118016482	118016590	Chr11.145901	<i>Pgs1(+30244),Dnah17(+112683)</i>	N/A
Chr11	22286936	22287099	Chr11.14596	<i>Ehbp1(-223)</i>	N/A
Chr11	22327470	22327611	Chr11.14618	<i>Tnrm17(-184547),Ehbp1(-40746)</i>	N/A
Chr11	22327692	22327847	Chr11.14620	<i>Tnrm17(-184318),Ehbp1(-40975)</i>	N/A
Chr11	22347697	22347984	Chr11.14641	<i>Tnrm17(-164257),Ehbp1(-61036)</i>	N/A
Chr11	22348577	22348810	Chr11.14643	<i>Tnrm17(-163394),Ehbp1(-61899)</i>	N/A
Chr11	118180193	118180316	Chr11.146607	<i>Dnah17(-51036),Cyth1(+32487)</i>	N/A
Chr11	118198160	118198287	Chr11.146652	<i>Dnah17(-69005),Cyth1(+14518)</i>	N/A
Chr11	118202366	118202580	Chr11.146657	<i>Dnah17(-73254),Cyth1(+10289)</i>	N/A
Chr11	118232596	118232701	Chr11.146680	<i>Cyth1(-19907),Usp36(+57562)</i>	N/A
Chr11	118254518	118254677	Chr11.146663	<i>Cyth1(-41856),Usp36(+35633)</i>	N/A
Chr11	118324626	118324737	Chr11.146818	<i>Usp36(-34451),Cap295nl(+17818)</i>	N/A
Chr11	118327740	118327888	Chr11.146824	<i>Usp36(-37583),Cap295nl(+14686)</i>	N/A
Chr11	118354680	118354789	Chr11.146837	<i>Timp2(+771)</i>	N/A
Chr11	118363370	118363499	Chr11.146841	<i>Timp2(-7929),Lgals3bp(+38657)</i>	N/A
Chr11	22420523	22420728	Chr11.14691	<i>Ehbp1(-13831),Tnrm17(-91462)</i>	N/A
Chr11	118428052	118428213	Chr11.146963	<i>C1qtnf1(-366)</i>	N/A
Chr11	118430435	118430568	Chr11.146967	<i>Engase(-46327),C1qtnf1(+2003)</i>	N/A
Chr11	118492381	118492581	Chr11.147106	<i>Engase(+15652),Rbfox3(+417091)</i>	N/A
Chr11	118503521	118503631	Chr11.147127	<i>Engase(+26747),Rbfox3(+405996)</i>	N/A
Chr11	118512618	118512752	Chr11.147132	<i>Engase(+35858),Rbfox3(+396887)</i>	N/A
Chr11	118530580	118530793	Chr11.147144	<i>Engase(+35859),Rbfox3(+378688)</i>	N/A
Chr11	118550748	118550858	Chr11.147153	<i>Engase(+73974),Rbfox3(+358769)</i>	N/A
Chr11	118569545	118569669	Chr11.147165	<i>Engase(+92778),Rbfox3(+339965)</i>	N/A
Chr11	118569940	118570127	Chr11.147167	<i>Engase(+93205),Rbfox3(+339538)</i>	N/A
Chr11	118570299	118570405	Chr11.147168	<i>Engase(+93523),Rbfox3(+339220)</i>	N/A
Chr11	118610115	118610238	Chr11.147210	<i>Engase(+133348),Rbfox3(+299395)</i>	N/A
Chr11	118659825	118659926	Chr11.147239	<i>Engase(+183047),Rbfox3(+246960)</i>	N/A
Chr11	118678469	118678590	Chr11.147258	<i>Engase(+201701),Rbfox3(+231042)</i>	N/A
Chr11	118744612	118744902	Chr11.147308	<i>Rbfox3(+164815),Engase(+267928)</i>	N/A
Chr11	118772052	118772256	Chr11.147319	<i>Rbfox3(+137418),Engase(+295325)</i>	N/A
Chr11	118783676	118783796	Chr11.147334	<i>Rbfox3(+115835),Engase(+316608)</i>	N/A
Chr11	118874631	118874834	Chr11.147370	<i>Rbfox3(+34630),Engase(+39704)</i>	N/A
Chr11	118891252	118891418	Chr11.147375	<i>Rbfox3(+18237),Engase(+414506)</i>	N/A
Chr11	118898383	118898519	Chr11.147386	<i>Rbfox3(+11121),Engase(+421622)</i>	N/A
Chr11	118916647	118916783	Chr11.147396	<i>Enpp7(-71473),Rbfox3(-7143)</i>	N/A
Chr11	22562248	22562395	Chr11.14749	<i>Tnrm17(-50224),B3gnt2(+297779)</i>	N/A
Chr11	22564651	22564821	Chr11.14753	<i>Tnrm17(-52649),B3gnt2(+295365)</i>	N/A
Chr11	119035703	119035816	Chr11.147552	<i>Cbx8(+5209),Cbx2(+12798)</i>	N/A
Chr11	119037797	119037898	Chr11.147561	<i>Cbx8(+3121),Cbx2(+14886)</i>	N/A
Chr11	119042790	119042993	Chr11.147589	<i>Cbx8(-1923)</i>	N/A
Chr11	119043440	119044445	Chr11.147591	<i>Cbx8(-3424)</i>	N/A
Chr11	119046199	119046324	Chr11.147598	<i>Cbx8(-7293),Cbx4(+37959)</i>	N/A
Chr11	22584286	22584399	Chr11.14760	<i>Tnrm17(-72255),B3gnt2(+275758)</i>	N/A
Chr11	119053383	119053544	Chr11.147604	<i>Cbx8(-12495),Cbx4(+32757)</i>	N/A
Chr11	119054095	119054207	Chr11.147607	<i>Cbx8(-13182),Cbx4(+32070)</i>	N/A
Chr11	22584609	22584768	Chr11.14762	<i>Tnrm17(-72601),B3gnt2(+275412)</i>	N/A
Chr11	119073920	119074084	Chr11.147621	<i>Cbx8(-35023),Cbx4(+12229)</i>	N/A
Chr11	119078757	119078881	Chr11.147624	<i>Cbx8(-37850),Cbx4(+1402)</i>	N/A
Chr11	119080543	119080			

Chr11	119082991	119083138	Chr11.147660	Cbx8(-42096),Cbx4(+3156)	N/A
Chr11	119083511	119083628	Chr11.147662	Cbx8(-42601),Cbx4(+2651)	N/A
Chr11	119084103	119084239	Chr11.147668	Cbx8(-43202),Cbx4(+2050)	N/A
Chr11	119084708	119084909	Chr11.147674	Cbx4(-43865),Cbx4(+1367)	N/A
Chr11	119130207	119130330	Chr11.147692	Cbx4(-44048),Tbc1d16(+98230)	N/A
Chr11	119145032	119145278	Chr11.147699	Cbx4(-58934),Tbc1d16(+83344)	N/A
Chr11	119156277	119156439	Chr11.147742	Cbx4(-70137),Tbc1d16(+72141)	N/A
Chr11	119157091	119157264	Chr11.147756	Cbx4(-70957),Tbc1d16(+71321)	N/A
Chr11	119157335	119157470	Chr11.147758	Cbx4(-71182),Tbc1d16(+71096)	N/A
Chr11	119183551	119183669	Chr11.147780	Cbx4(-87389),Tbc1d16(+44889)	N/A
Chr11	22795735	22795969	Chr11.14784	B3gnt2(+64249),Tmem17(+283764)	N/A
Chr11	22868676	22868892	Chr11.14858	Zrsr1(-103221),B3gnt2(-8683)	N/A
Chr11	22875282	22875530	Chr11.14872	Zrsr1(-96599),B3gnt2(-15305)	N/A
Chr11	119514058	119514241	Chr11.149040	Endov(+22803),Nptx1(+33603)	N/A
Chr11	119515074	119515244	Chr11.149042	Endov(+23812),Nptx1(+32594)	N/A
Chr11	119515982	119516118	Chr11.149046	Endov(+24703),Nptx1(+31703)	N/A
Chr11	119532606	119532721	Chr11.149053	Nptx1(+15089),Endov(+41317)	N/A
Chr11	22982075	22982240	Chr11.14908	Comm1(+224)	N/A
Chr11	119558107	119558302	Chr11.149125	Rptor(-44944),Nptx1(-10452)	N/A
Chr11	119605195	119605310	Chr11.149147	Rptor(+104)	N/A
Chr11	119625354	119625518	Chr11.149152	Chmp6(-288374),Rptor(+22287)	N/A
Chr11	119650957	119651079	Chr11.149160	Chmp6(-262792),Rptor(+47869)	N/A
Chr11	119674664	119674832	Chr11.149171	Chmp6(-239062),Rptor(+71599)	N/A
Chr11	119940236	119940375	Chr11.149411	Balap2(-2457)	N/A
Chr11	119989198	119989300	Chr11.149448	Balap2(+46486),Aak1(+57821)	N/A
Chr11	120115054	120115188	Chr11.149837	Ndufa9(+15193),Slc38a10(-36225)	N/A
Chr11	120137079	120137233	Chr11.149860	Slc38a10(+14190),Ndufa9(-38228)	N/A
Chr11	120164304	120164414	Chr11.149884	Bahcc1(-68588),Slc38a10(-13013)	N/A
Chr11	120167770	120168142	Chr11.149887	Bahcc1(-64991),Slc38a10(-16610)	N/A
Chr11	120171417	120171531	Chr11.149891	Bahcc1(-61473),Slc38a10(-20128)	N/A
Chr11	120182600	120182740	Chr11.149893	Bahcc1(-50277),Slc38a10(-31324)	N/A
Chr11	120186350	120186687	Chr11.149899	Bahcc1(-49428),Slc38a10(-35173)	N/A
Chr11	120187960	120188109	Chr11.149903	Bahcc1(-44912),Slc38a10(-36689)	N/A
Chr11	120209524	120209639	Chr11.149908	Slc38a10(-58236),Bahcc1(-23365)	N/A
Chr11	120223892	120224097	Chr11.149909	Slc38a10(-72649),Bahcc1(-8952)	N/A
Chr11	120225505	120225625	Chr11.149915	Slc38a10(-74219),Bahcc1(-7382)	N/A
Chr11	120227497	120227682	Chr11.149917	Slc38a10(-76244),Bahcc1(-5357)	N/A
Chr11	120231541	120231704	Chr11.149928	Bahcc1(-1324)	N/A
Chr11	120232648	120232940	Chr11.149932	Bahcc1(-153)	N/A
Chr11	120232994	120233093	Chr11.149935	Bahcc1(+97)	N/A
Chr11	120235104	120235421	Chr11.149938	Bahcc1(+2316),Actg1(+113279)	N/A
Chr11	120236211	120236350	Chr11.149947	Bahcc1(+3334),Actg1(+112261)	N/A
Chr11	120237699	120237851	Chr11.149954	Bahcc1(+4838),Actg1(+110767)	N/A
Chr11	120238165	120238329	Chr11.149956	Bahcc1(+5300),Actg1(+110295)	N/A
Chr11	120240044	120240239	Chr11.149963	Bahcc1(+7195),Actg1(+108400)	N/A
Chr11	120241074	120241655	Chr11.149967	Bahcc1(+8418),Actg1(+107177)	N/A
Chr11	120241819	120241951	Chr11.149973	Bahcc1(+8938),Actg1(+106657)	N/A
Chr11	120243305	120243409	Chr11.149974	Bahcc1(+10410),Actg1(+105185)	N/A
Chr11	120280541	120280901	Chr11.150105	Bahcc1(+47774),Actg1(+67821)	N/A
Chr11	120290107	120290243	Chr11.150220	Bahcc1(+57228),Actg1(+58367)	N/A
Chr11	120294810	120295007	Chr11.150225	Actg1(+53633),Bahcc1(+61962)	N/A
Chr11	120347419	120347543	Chr11.150244	O61000918rk(-1197),Actg1(+1061)	N/A
Chr11	23255756	23255939	Chr11.15047	Xpo1(0)	N/A
Chr11	23256986	23257168	Chr11.15058	Xpo1(+999)	N/A
Chr11	23257453	23257654	Chr11.15064	Usp34(-49341),Xpo1(+1476)	N/A
Chr11	120578221	120578328	Chr11.150887	F4hb(-5022),Arhgdia(+3105)	N/A
Chr11	120578704	120578805	Chr11.150891	F4hb(-5502),Arhgdia(+2625)	N/A
Chr11	120595572	120595825	Chr11.150925	Anapc1(-2722),Alyre1(+2666)	N/A
Chr11	120596424	120596662	Chr11.150929	Anapc1(-1-1878),Alyre1(+1822)	N/A
Chr11	120625116	120625266	Chr11.151030	Sirt7(-177)	N/A
Chr11	120625997	120626113	Chr11.151033	Sirt7(-1041)	N/A
Chr11	120628132	120628303	Chr11.151043	Sirt7(-3204)	N/A
Chr11	120631306	120631451	Chr11.151068	Sirt7(-6365),Malg(+2221)	N/A
Chr11	120666731	120666918	Chr11.151189	Nduaf(-6219),Aspcr1(-6167)	N/A
Chr11	120698884	120697009	Chr11.151208	Aspcr1(+13955),Cenpx(+26791)	N/A
Chr11	120695458	120695814	Chr11.151223	Cenpx(+18102),Aspcr1(+22644)	N/A
Chr11	120710900	120711017	Chr11.151259	Lrrc45(-2966),Cenpx(+2779)	N/A
Chr11	23307438	23307554	Chr11.15135	Usp34(+601)	N/A
Chr11	120959132	120959312	Chr11.151983	Slc16a3(+10141),Csnk1d(+32108)	N/A
Chr11	120963647	120963638	Chr11.151993	Slc16a3(-4712),Csnk1d(-27537)	N/A
Chr11	120991083	120991220	Chr11.152038	Csnk1d(+178)	N/A
Chr11	121479958	121480143	Chr11.152509	Tbcd(-28102),Zfp750(+39282)	N/A
Chr11	121485700	121485953	Chr11.152513	Zfp750(+33506),Tbcd(+33878)	N/A
Chr11	121518192	121518428	Chr11.152622	Zfp750(+1023),Tbcd(+66361)	N/A
Chr11	121520735	121520844	Chr11.152627	Zfp750(-10457),B3gnt1(+143363)	N/A
Chr11	121534642	121534777	Chr11.152632	Zfp750(-15377),B3gnt1(+138443)	N/A
Chr11	121556804	121556968	Chr11.152658	Zfp750(-37563),B3gnt1(+116257)	N/A
Chr11	4105622	4105739	Chr11.1535	Mtfa1(-10236),Sec14i2(+13150)	N/A
Chr11	23666314	23666459	Chr11.15442	Pex13(-428),Pus10(+380)	N/A
Chr11	4118284	4118423	Chr11.1570	Sec14i2(+477)	N/A
Chr11	23977338	23977505	Chr11.15701	Papoly(-82169),Aspcr1(+97632)	N/A
Chr11	2405702	24055883	Chr11.15767	Papoly(-110549),A830031a19nk(+69261)	N/A
Chr11	4122896	4123030	Chr11.1577	Sec14i2(-4132)	N/A
Chr11	24059626	24059748	Chr11.15917	Papoly(-164434),A830031a19nk(+15367)	N/A
Chr11	24061795	24062003	Chr11.15931	Papoly(-166646),A830031a19nk(+13155)	N/A
Chr11	24062371	24062518	Chr11.15937	Papoly(-167192),A830031a19nk(+12609)	N/A
Chr11	24062855	24062851	Chr11.15939	Papoly(-167465),A830031a19nk(-12336)	N/A
Chr11	24062955	24063254	Chr11.15941	Papoly(-167852),A830031a19nk(+11949)	N/A
Chr11	24073989	24074782	Chr11.15988	Bcl11a(-3787),A830031a19nk(+668)	N/A
Chr11	24074868	24075432	Chr11.15993	Bcl11a(-3023),A830031a19nk(-96)	N/A
Chr11	24078029	24078200	Chr11.16007	A830031a19nk(-3061),Bcl11a(-58)	N/A
Chr11	24078637	24078847	Chr11.16015	A830031a19nk(-3688),Bcl11a(+569)	N/A
Chr11	24079552	24079745	Chr11.16020	A830031a19nk(-4595),Bcl11a(+1476)	N/A
Chr11	24081174	24081295	Chr11.16027	Bcl11a(+3062)	N/A
Chr11	24081626	24081730	Chr11.16031	Bcl11a(+3505)	N/A
Chr11	24082502	24083302	Chr11.16033	Bcl11a(+4729)	N/A
Chr11	24083632	24084126	Chr11.16040	Bcl11a(+5706)	N/A
Chr11	24084301	24084647	Chr11.16046	Bcl11a(+6301)	N/A
Chr11	24086070	24086485	Chr11.16058	Bcl11a(+8105)	N/A
Chr11	24087156	24087444	Chr11.16067	Bcl11a(+9127)	N/A
Chr11	24089563	24089812	Chr11.16087	Bcl11a(+11515)	N/A
Chr11	24089929	24090308	Chr11.16089	Bcl11a(+11946)	N/A
Chr11	24091167	24091341	Chr11.16101	Bcl11a(+13081)	N/A
Chr11	24091385	24092066	Chr11.16102	Bcl11a(+13553)	N/A
Chr11	24092562	24092819	Chr11.16107	Bcl11a(+14518)	N/A
Chr11	24093115	24093292	Chr11.16113	Bcl11a(+15031)	N/A
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Chr11	24126566	24126665	Chr11.16253	Bcl11a(+48443)	N/A
Chr11	24136242	24136444	Chr11.16275	Bcl11a(+58170)	N/A
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Chr11	24370376	24370787	Chr11.16901	Bcf11a(+292409)	N/A
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Chr11	24473585	24473720	Chr11.17053	Bcf11a(+395480)	N/A
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Chr11	24483905	24484243	Chr11.17065	Bcf11a(+405901)	N/A
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Chr11	24573968	24574134	Chr11.17134	Bcf11a(+495878)	N/A
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Chr11	24643476	24643590	Chr11.17234	Bcf11a(+565360)	N/A
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Chr11	24775805	24775913	Chr11.17539	Bcf11a(+697686), 5730522e02rik(+994711)	N/A
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Chr11	4189937	4189088	Chr11.1763	Castor1(-29212), Tbc1d10a(+2191)	N/A
Chr11	24829508	24829751	Chr11.17648	Bcf11a(+751457), 5730522e02rik(+940940)	N/A
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Chr11	24841181	24841487	Chr11.17676	Bcf11a(+763161), 5730522e02rik(+929236)	N/A
Chr11	24843992	24844386	Chr11.17681	Bcf11a(+766016), 5730522e02rik(+926381)	N/A
Chr11	4190740	4190852	Chr11.1772	Castor1(-27429), Tbc1d10a(+3974)	N/A
Chr11	4191245	4191445	Chr11.1776	Castor1(-26880), Tbc1d10a(+4529)	N/A
Chr11	4197849	4198001	Chr11.1788	Castor1(-20300), Tbc1d10a(+11103)	N/A
Chr11	4203863	4203986	Chr11.1795	Castor1(-14300), Tbc1d10a(+17103)	N/A
Chr11	25005569	25005910	Chr11.17964	5730522e02rik(+764830), Bcf11a(+927567)	N/A
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Chr11	25062930	25063106	Chr11.18058	5730522e02rik(+707552), Bcf11a(+984845)	N/A
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Chr11	25104132	25104311	Chr11.18117	5730522e02rik(+686349)	N/A
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Chr11	25301102	25301389	Chr11.18348	5730522e02rik(+469326)	N/A
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Chr11	25366089	25366621	Chr11.18451	5730522e02rik(+404215)	N/A
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Chr11	3269069	3269367	Chr11.187	Dgt1(-2825)	N/A
Chr11	25592365	25592645	Chr11.18759	5730522e02rik(+178065)	N/A
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Chr11	25642510	25642636	Chr11.18893	5730522e02rik(+127996)	N/A
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Chr11	4224286	4224426	Chr11.1909	Osm(-12064), Castor1(+6131)	N/A
Chr11	25710537	25710664	Chr11.19100	5730522e02rik(+59969)	N/A
Chr11	25716070	25716239	Chr11.19112	5730522e02rik(+54415)	N/A
Chr11	25737117	25737265	Chr11.19150	5730522e02rik(+33379)	N/A
Chr11	4232712	4232907	Chr11.1917	Osm(-3610)	N/A
Chr11	25746775	25747165	Chr11.19174	5730522e02rik(+23600)	N/A
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Chr11	25814529	25814857	Chr11.19273	5730522e02rik(-44123), 5730522e02rik(+395873)	N/A
Chr11	25818504	25818643	Chr11.19287	5730522e02rik(-48004), 5730522e02rik(+391992)	N/A
Chr11	25853128	25853258	Chr11.19330	5730522e02rik(-82629), 5730522e02rik(+357373)	N/A
Chr11	25856830	25856923	Chr11.19349	5730522e02rik(-85357), 5730522e02rik(+364639)	N/A
Chr11	25856802	25856905	Chr11.19356	5730522e02rik(-86284), 5730522e02rik(+353712)	N/A
Chr11	25856935	25857108	Chr11.19359	5730522e02rik(-86452), 5730522e02rik(+353544)	N/A
Chr11	25862399	25862531	Chr11.19387	5730522e02rik(-91895), 5730522e02rik(+348101)	N/A
Chr11	25862892	25863019	Chr11.19392	5730522e02rik(-92389), 5730522e02rik(+347610)	N/A
Chr11	4266261	4266387	Chr11.1970	Lif(+6757), Hormad2(+14431)	N/A
Chr11	4266404	4266622	Chr11.1972	Lif(+8956), Hormad2(+174232)	N/A
Chr11	26051201	26051321	Chr11.19749	5730522e02rik(-280691), 5730522e02rik(+159305)	N/A
Chr11	26073928	26074112	Chr11.19804	5730522e02rik(-303450), 5730522e02rik(+136548)	N/A
Chr11	26130880	26131026	Chr11.19920	5730522e02rik(-360383), 5730522e02rik(+79613)	N/A
Chr11	4271197	4271305	Chr11.1994	Lif(+3864), Hormad2(+169494)	N/A
Chr11	4276655	4276755	Chr11.2001	Lif(+19148), Hormad2(+164040)	N/A
Chr11	26186039	26186210	Chr11.20013	5730522e02rik(-415555), 5730522e02rik(+24441)	N/A
Chr11	4280048	4280297	Chr11.2004	Lif(+22616), Hormad2(+160572)	N/A
Chr11	26195718	26195920	Chr11.20047	5730522e02rik(-425249), 5730522e02rik(+14747)	N/A
Chr11	26231493	26231611	Chr11.20086	Fanc1(-154583), 5730522e02rik(-20986)	N/A
Chr11	4291630	4291775	Chr11.2017	Lif(+34146), Hormad2(+148942)	N/A
Chr11	26437703	26438038	Chr11.20255	Gm6899(-155370), Fanc1(+51736)	N/A
Chr11	4299225	4299368	Chr11.2034	Lif(+41740), Hormad2(+141448)	N/A
Chr11	26500029	26500145	Chr11.20364	Gm6899(-93154), Fanc1(+113952)	N/A
Chr11	26586494	26586648	Chr11.20404	Gm6899(-6670), Fanc1(+200436)	N/A
Chr11	4309183	4309433	Chr11.2052	Lif(+50751), Hormad2(+132473)	N/A
Chr11	4309668	4309179	Chr11.2050	Lif(+51517), Hormad2(+131671)	N/A
Chr11	26815677	26815791	Chr11.20636	Vrk2(-221814)	N/A
Chr11	4323023	4323207	Chr11.2071	Lif(+65558), Hormad2(+117630)	N/A
Chr11	26962651	26962769	Chr11.20755	Vrk2(-368790)	N/A
Chr11	4335932	4335972	Chr11.2084	Lif(+78345), Hormad2(+108443)	N/A
Chr11	26948427	26948456	Chr11.21288	Gm6883(-145239), Cdc85a(+999600)	N/A
Chr11	28659282	28659382	Chr11.21459	Elfemp1(-193882), Cdc85a(-75026)	N/A

Chr11	28681808	28681943	Chr11.21480	<i>Etemp1(-171328),Ccdc85a(-97580)</i>	N/A
Chr11	28685889	28685991	Chr11.21502	<i>Etemp1(-167264),Ccdc85a(-110644)</i>	N/A
Chr11	28694649	28694778	Chr11.21509	<i>Etemp1(-159490),Ccdc85a(-110418)</i>	N/A
Chr11	28734409	28734532	Chr11.21517	<i>Ccdc85a(-150175),Etemp1(-118739)</i>	N/A
Chr11	28734794	28735314	Chr11.21584	<i>Ccdc85a(-150758),Etemp1(-118150)</i>	N/A
Chr11	28748038	28748186	Chr11.21590	<i>Ccdc85a(-163816),Etemp1(-105092)</i>	N/A
Chr11	28834564	28834881	Chr11.21665	<i>Ccdc85a(-250427),Etemp1(-18481)</i>	N/A
Chr11	3292696	3292945	Chr11.217	<i>Pik3ip1(-37580),Patz1(+2382)</i>	N/A
Chr11	28868677	28868699	Chr11.21710	<i>Pnp1(-261975),Etemp1(+15569)</i>	N/A
Chr11	28881707	28881889	Chr11.21732	<i>Pnp1(-248450),Etemp1(+28594)</i>	N/A
Chr11	28939545	28939860	Chr11.21840	<i>Pnp1(-191045),Etemp1(+86499)</i>	N/A
Chr11	28939896	28940050	Chr11.21842	<i>Pnp1(-190775),Etemp1(+86769)</i>	N/A
Chr11	28999454	28999765	Chr11.21879	<i>Pnp1(-131138),Etemp1(+146406)</i>	N/A
Chr11	4472652	4472793	Chr11.2191	<i>Homad2(-31978),Mtmr3(+122092)</i>	N/A
Chr11	29172911	29173023	Chr11.21978	<i>Pp4k3b(+77)</i>	N/A
Chr11	29218577	29218686	Chr11.22025	<i>Cdap36(+28777),Ppp4r3b(+45742)</i>	N/A
Chr11	29373133	29373316	Chr11.22099	<i>Ccdc88a(-433)</i>	N/A
Chr11	4485843	4486032	Chr11.2220	<i>Homad2(-45193),Mtmr3(+108877)</i>	N/A
Chr11	29637079	29637222	Chr11.22431	<i>Rps27a(-89042),Rtnr4(-55796)</i>	N/A
Chr11	29639106	29639214	Chr11.22434	<i>Rps27a(-91051),Rtnr4(-53787)</i>	N/A
Chr11	29718642	29718892	Chr11.22531	<i>Rtnr4(+25850),4931440F15rk(+106901)</i>	N/A
Chr11	29744107	29744345	Chr11.22572	<i>Rtnr4(+51279),4931440F15rk(+81442)</i>	N/A
Chr11	3294330	3294733	Chr11.227	<i>Pik3ip1(-35869),Patz1(+4093)</i>	N/A
Chr11	30158465	30158599	Chr11.23045	<i>Emi6(-132499),Sptbn1(+109637)</i>	N/A
Chr11	30166319	30166512	Chr11.23057	<i>Emi6(-140383),Sptbn1(+101753)</i>	N/A
Chr11	30196503	30196618	Chr11.23097	<i>Emi6(-170528),Sptbn1(+71608)</i>	N/A
Chr11	30197136	30197248	Chr11.23105	<i>Emi6(-171159),Sptbn1(+70077)</i>	N/A
Chr11	30197718	30197834	Chr11.23110	<i>Emi6(-171743),Sptbn1(+70393)</i>	N/A
Chr11	30198232	30198370	Chr11.23114	<i>Emi6(-172268),Sptbn1(+69868)</i>	N/A
Chr11	30205555	30205706	Chr11.23123	<i>Emi6(-179598),Sptbn1(+62538)</i>	N/A
Chr11	30232131	30232334	Chr11.23164	<i>Emi6(-206200),Sptbn1(+35936)</i>	N/A
Chr11	30268568	30268676	Chr11.23222	<i>Sptbn1(-453)</i>	N/A
Chr11	30290074	30290252	Chr11.23255	<i>Sptbn1(-21994),4930505a04rk(+181645)</i>	N/A
Chr11	30291625	30291774	Chr11.23258	<i>Sptbn1(-23531),4930505a04rk(+180108)</i>	N/A
Chr11	30367513	30367628	Chr11.23296	<i>Sptbn1(-99402),4930505a04rk(+104237)</i>	N/A
Chr11	30387824	30388007	Chr11.23304	<i>Sptbn1(-99747),4930505a04rk(+103892)</i>	N/A
Chr11	30405523	30405723	Chr11.23314	<i>Sptbn1(-137458),4930505a04rk(+66183)</i>	N/A
Chr11	30580440	30580602	Chr11.23393	<i>4930505a04rk(-108713),Acyp2(-69066)</i>	N/A
Chr11	4625866	4626047	Chr11.2356	<i>Ascc2(-11790),Gm11032(+5890)</i>	N/A
Chr11	4629964	4630339	Chr11.2360	<i>Ascc2(-7595),Gm11032(+10085)</i>	N/A
Chr11	4637719	4637835	Chr11.2367	<i>Ascc2(+30)</i>	N/A
Chr11	31284541	31284644	Chr11.23757	<i>Gm17332(-102131),Slc2(+85481)</i>	N/A
Chr11	31368294	31368410	Chr11.23855	<i>Gm17332(-165980),Slc2(+172)</i>	N/A
Chr11	31368645	31368763	Chr11.23858	<i>Gm17332(-186242),Slc2(+1370)</i>	N/A
Chr11	31369047	31369161	Chr11.23861	<i>Slc2(+970)</i>	N/A
Chr11	31369460	31369622	Chr11.23865	<i>Slc2(+633)</i>	N/A
Chr11	31369980	31370288	Chr11.23872	<i>Slc2(-59)</i>	N/A
Chr11	31370956	31371137	Chr11.23875	<i>Slc2(-973)</i>	N/A
Chr11	31551395	31551514	Chr11.23927	<i>Slc2(-181381),Bod1(+120430)</i>	N/A
Chr11	31563835	31563953	Chr11.23938	<i>Slc2(-193820),Bod1(+107991)</i>	N/A
Chr11	31619318	31619507	Chr11.23969	<i>Slc2(-249339),Bod1(+52472)</i>	N/A
Chr11	31679862	31680021	Chr11.24002	<i>Cpeb4(-192269),Bod1(-8057)</i>	N/A
Chr11	31713554	31713680	Chr11.24029	<i>Cpeb4(-158594),Bod1(-41732)</i>	N/A
Chr11	31734233	31734475	Chr11.24036	<i>Cpeb4(-137657),Bod1(-62469)</i>	N/A
Chr11	31742378	31742493	Chr11.24047	<i>Cpeb4(-129775),Bod1(-70551)</i>	N/A
Chr11	31748341	31748504	Chr11.24051	<i>Cpeb4(-123788),Bod1(-76538)</i>	N/A
Chr11	31771043	31771344	Chr11.24059	<i>Cpeb4(-101017),Bod1(-99309)</i>	N/A
Chr11	31828048	31828362	Chr11.24091	<i>Bod1(-156320),Cpeb4(-44006)</i>	N/A
Chr11	31830583	31830665	Chr11.24108	<i>Bod1(-158839),Cpeb4(-41487)</i>	N/A
Chr11	31838976	31839230	Chr11.24111	<i>Bod1(-167216),Cpeb4(-33108)</i>	N/A
Chr11	31844026	31844156	Chr11.24122	<i>Bod1(-172206),Cpeb4(-28120)</i>	N/A
Chr11	31862217	31862334	Chr11.24147	<i>Bod1(-190391),Cpeb4(-9935)</i>	N/A
Chr11	31870706	31870962	Chr11.24172	<i>Cpeb4(-1377)</i>	N/A
Chr11	31871473	31871678	Chr11.24183	<i>Cpeb4(-635)</i>	N/A
Chr11	31908036	31901097	Chr11.24251	<i>493052ab15rk(-64625),Cpeb4(+28756)</i>	N/A
Chr11	32000299	32000429	Chr11.24345	<i>Nsg2(-99)</i>	N/A
Chr11	32000460	32000611	Chr11.24346	<i>Nsg2(+73)</i>	N/A
Chr11	32002859	32003011	Chr11.24366	<i>Nsg2(+2472),Il9r(+197301)</i>	N/A
Chr11	32215571	32215696	Chr11.24394	<i>Rhbd1(+6666),Snmp25(+10219)</i>	N/A
Chr11	32284066	32284198	Chr11.24758	<i>Ubt2(-71238),Sh3px2b(-36312)</i>	N/A
Chr11	32398728	32398932	Chr11.24773	<i>Ubt2(-56590),Sh3px2b(-50960)</i>	N/A
Chr11	4684087	4684226	Chr11.2479	<i>Uqc10(+20185),Ascc2(+46410)</i>	N/A
Chr11	32453537	32453748	Chr11.24865	<i>Ubt2(-1727)</i>	N/A
Chr11	32551766	32551867	Chr11.24943	<i>Fbxw11(-91058),Stk10(+18512)</i>	N/A
Chr11	32642433	32642532	Chr11.25045	<i>Fbxw11(-392)</i>	N/A
Chr11	32642689	32642797	Chr11.25049	<i>Fbxw11(-132)</i>	N/A
Chr11	32643519	32643647	Chr11.25054	<i>Fbxw11(+708)</i>	N/A
Chr11	32643888	32643987	Chr11.25055	<i>Fbxw11(+1063),Smim23(+180667)</i>	N/A
Chr11	32644029	32644380	Chr11.25057	<i>Fbxw11(+1330),Smim23(+180400)</i>	N/A
Chr11	32680096	32680530	Chr11.25085	<i>Fbxw11(+37438),Smim23(+144292)</i>	N/A
Chr11	3302527	3302652	Chr11.251	<i>Pik3ip1(-27811),Patz1(+12151)</i>	N/A
Chr11	4720711	4720843	Chr11.25212	<i>Zmat5(-16099),Cebp7(+26001)</i>	N/A
Chr11	32744526	32744673	Chr11.25159	<i>Smim23(+80005),Fbxw11(+101725)</i>	N/A
Chr11	32751861	32752036	Chr11.25174	<i>Smim23(+72656),Fbxw11(+109074)</i>	N/A
Chr11	32752085	32752209	Chr11.25175	<i>Smim23(+72458),Fbxw11(+109272)</i>	N/A
Chr11	32801114	32801517	Chr11.25218	<i>Smim23(+23289),Fbxw11(+158441)</i>	N/A
Chr11	32801620	32801779	Chr11.25226	<i>Smim23(+22905),Fbxw11(+158825)</i>	N/A
Chr11	32840296	32840593	Chr11.25250	<i>Smim23(-15840),Fgf18(+306955)</i>	N/A
Chr11	32841140	32841285	Chr11.25258	<i>Smim23(-16608),Fgf18(+306187)</i>	N/A
Chr11	32846614	32847296	Chr11.25264	<i>Smim23(-22350),Fgf18(+300445)</i>	N/A
Chr11	32847467	32847659	Chr11.25274	<i>Smim23(-22958),Fgf18(+299837)</i>	N/A
Chr11	32848020	32848119	Chr11.25279	<i>Smim23(-23468),Fgf18(+299330)</i>	N/A
Chr11	32867650	32867911	Chr11.25296	<i>Smim23(-43176),Fgf18(+296198)</i>	N/A
Chr11	32883476	32883588	Chr11.25302	<i>Smim23(-58927),Fgf18(+263868)</i>	N/A
Chr11	32897996	32900136	Chr11.25310	<i>Smim23(-75361),Fgf18(+247434)</i>	N/A
Chr11	32900446	32900780	Chr11.25315	<i>Smim23(-76008),Fgf18(+246787)</i>	N/A
Chr11	32902991	32903186	Chr11.25324	<i>Smim23(-76474),Fgf18(+244321)</i>	N/A
Chr11	32903341	32903499	Chr11.25328	<i>Smim23(-76819),Fgf18(+243689)</i>	N/A
Chr11	32919203	32919336	Chr11.25342	<i>Smim23(-94665),Fgf18(+228130)</i>	N/A
Chr11	32925769	32926137	Chr11.25345	<i>Smim23(-101348),Fgf18(+221447)</i>	N/A
Chr11	32930427	32930537	Chr11.25347	<i>Smim23(-105877),Fgf18(+216918)</i>	N/A
Chr11	32931219	32931382	Chr11.25348	<i>Smim23(-106696),Fgf18(+216099)</i>	N/A
Chr11	32937158	32937286	Chr11.25354	<i>Smim23(-112617),Fgf18(+210178)</i>	N/A
Chr11	32941536	32941645	Chr11.25361	<i>Smim23(-116986),Fgf18(+205808)</i>	N/A
Chr11	32946645	32946861	Chr11.25369	<i>Smim23(-122148),Fgf18(+200647)</i>	N/A
Chr11	32947782	32947936	Chr11.25373	<i>Smim23(-123254),Fgf18(+199541)</i>	N/A
Chr11	32963675	32963785	Chr11.25393	<i>Smim23(-139125),Fgf18(+183670)</i>	N/A
Chr11	32973849	32973775	Chr11.25407	<i>Smim23(-149107),Fgf18(+173688)</i>	N/A
Chr11	32974249	32974353	Chr11.25411	<i>Smim23(-149656),Fgf18(+173099)</i>	N/A
Chr11	3298472	32989621	Chr11.25423	<i>Smim23(-163942),Fgf18(+188633)</i>	N/A
Chr11	33005317	33005637	Chr11.25446	<i>Smim23(-180872),Fgf18(+141923)</i>	N/A
Chr11	33007869	33008056	Chr11.25452	<i>Smim23(-183358),Fgf18(+139437)</i>	N/A
Chr11	33013296	33013568	Chr11.25462	<i>Smim23(-188827),Fgf18(+133968)</i>	N/A
Chr11	33050311	33050637	Chr11.25469	<i>Smim23(-225869),Fgf18(+96928)</i>	N/A
Chr11	4744831	4744938	Chr11.2547	<i>Cebp7(-1893),Zmat5(-40207)</i>	N/A
Chr11	33070597	33070750	Chr11.25477	<i>Smim23(-244069),Fgf18(+76726)</i>	N/A
Chr11	33075030	33075377	Chr11.25481	<i>Smim23(-250599),Fgf18(+72196)</i>	N/A
Chr11	33100300	33100469	Chr11.25508	<i>Smim23(-275780),Fgf18(+47015)</i>	N/A
Chr11	33104838	33105241	Chr11.25515	<i>Smim23(-280435),Fgf18(+42360)</i>	N/A
Chr11	33123287	33123398	Chr11.25547	<i>Smim23(-298738),Fgf18(+24057)</i>	N/A
Chr11	4746155	4746291	Chr11.2555	<i>Cebp7(+555)</i>	N/A
Chr11	33146227	33146399	Chr11.25583	<i>Smim23(-321708),Fgf18(+1087)</i>	N/A
Chr11	33163051	33163160	Chr11.25623	<i>Npm1(+100)</i>	N/A
Chr11	33200879	33201064	Chr11.25676	<i>Npm1(-37766),Tlx3(+2616)</i>	N/A
Chr11	33234248	33234468	Chr11.25745	<i>Tlx3(-30770),Ranbp17(+279388)</i>	N/A
Chr11	33292423	33292574	Chr11.25791	<i>Tlx3(-88911),Ranbp17(+221247)</i>	N/A
Chr11	33297136	33297570	Chr11.25806	<i>Tlx3(-93765),Ranbp17(+216393)</i>	N/A
Chr11	33336471	33336792	Chr11.25892	<i>Tlx3(-133044),Ranbp17(+177114)</i>	N/A
Chr11	33341741	33341864	Chr11.25901	<i>Tlx3(-138215),Ranbp17(+171943)</i>	N/A
Chr11	33670818	33670926	Chr11.26175	<i>D130052b06nk(+1570),Kcnp1(+172713)</i>	N/A
Chr11	33752547	33752657	Chr11.26225	<i>Kcnp1(-90983),D130052b06nk(+153300)</i>	N/A
Chr11	33779658	33779963	Chr11.26257	<i>Kcnp1(+63674),D130052b06nk(+180609)</i>	N/A
Chr11	4773563	4773701	Chr11.2627	<i>Cebp7(-26849),Nrg2(+75909)</i>	N/A
Chr11	33816511	33816637	Chr11.26288	<i>Kcnp1(+27011),D130052b06nk(+217272)</i>	N/A
Chr11	33824852	33825019	Chr11.26293	<i>Kcnp1(+18649),D130052b06nk(+225634)</i>	N/A
Chr11	33827526	33827663	Chr11.26300	<i>Kcnp1(+15990),D130052b06nk(+228293)</i>	N/A
Chr11	33872854	33873005	Chr11.2634	<i>Kcnmb1(-90993),Kcnp1(-29335)</i>	N/A
Chr11	33963104	33963279	Chr11.26364	<i>Kcnmb1(+179)</i>	N/A

Chr11	33993158	33993272	Chr11.26408	Lcp2(-53986),Kcnmb1(+30202)	N/A
Chr11	4780492	4780649	Chr11.2642	Cabp7(-33793),Nr2(+68965)	N/A
Chr11	34105972	34106150	Chr11.26522	Lcp2(+58860),Foxr1(+102028)	N/A
Chr11	34169122	34169304	Chr11.26580	Foxr1(+38876),Lcp2(+122012)	N/A
Chr11	34294386	34294530	Chr11.26775	Foxr1(-86389),Insyn2b(-20364)	N/A
Chr11	34314692	34314891	Chr11.26803	Insyn2b(-30)	N/A
Chr11	34323495	34323702	Chr11.26833	Insyn2b(+8777),Dock2(+460293)	N/A
Chr11	34324004	34324147	Chr11.26836	Insyn2b(+9254),Dock2(+459816)	N/A
Chr11	34349400	34349508	Chr11.26857	Insyn2b(+34632),Dock2(+434438)	N/A
Chr11	4793158	4793279	Chr11.2687	Cabp7(-46441),Nr2(+56317)	N/A
Chr11	34392138	34392309	Chr11.26925	Insyn2b(+77402),Dock2(+391668)	N/A
Chr11	34420931	34421060	Chr11.27002	Insyn2b(+106174),Dock2(+362896)	N/A
Chr11	4803236	4803340	Chr11.2717	Cabp7(-56510),Nr2(+46248)	N/A
Chr11	34845555	34845949	Chr11.27358	Slit3(-279422),Sptd1(-12101)	N/A
Chr11	34859921	34862231	Chr11.27398	Slit3(-23512),Sptd1(-52471)	N/A
Chr11	34941678	34941996	Chr11.27473	Slit3(-179287),Sptd1(-108296)	N/A
Chr11	34959257	34959535	Chr11.27482	Slit3(-161828),Sptd1(-125755)	N/A
Chr11	34973399	34973624	Chr11.27494	Slit3(-147712),Sptd1(-139871)	N/A
Chr11	34980035	34980222	Chr11.27507	Sptd1(-146488),Slit3(-141095)	N/A
Chr11	34980462	34980755	Chr11.27510	Sptd1(-146968),Slit3(-140615)	N/A
Chr11	35009568	35007102	Chr11.27532	Sptd1(-173389),Slit3(-114194)	N/A
Chr11	35012001	35012189	Chr11.27545	Sptd1(-178454),Slit3(-109129)	N/A
Chr11	35022019	35022123	Chr11.27553	Sptd1(-188430),Slit3(-99153)	N/A
Chr11	35065896	35066070	Chr11.27579	Sptd1(-232342),Slit3(-55241)	N/A
Chr11	35080610	35080851	Chr11.27593	Sptd1(-247900),Slit3(-40493)	N/A
Chr11	35119380	35119564	Chr11.27607	Slit3(-1752)	N/A
Chr11	35122235	35122652	Chr11.27618	Pank3(-647035),Slit3(+1225)	N/A
Chr11	4816669	4816891	Chr11.2762	Cabp7(-70002),Nr2(+32756)	N/A
Chr11	35124720	35125027	Chr11.27623	Pank3(-644610),Slit3(-3650)	N/A
Chr11	35125063	35125379	Chr11.27629	Pank3(-644263),Slit3(+3997)	N/A
Chr11	35136588	35136909	Chr11.27649	Pank3(-632735),Slit3(+15325)	N/A
Chr11	35142782	35143123	Chr11.27653	Pank3(-626531),Slit3(+21729)	N/A
Chr11	35151647	35151836	Chr11.27668	Pank3(-617742),Slit3(-30518)	N/A
Chr11	35153634	35153766	Chr11.27674	Pank3(-615784),Slit3(-32476)	N/A
Chr11	35155174	35155388	Chr11.27676	Pank3(-614203),Slit3(+34057)	N/A
Chr11	35156714	35156842	Chr11.27680	Pank3(-612700),Slit3(-33554)	N/A
Chr11	35156874	35157151	Chr11.27682	Pank3(-612471),Slit3(+35789)	N/A
Chr11	35177384	35177645	Chr11.27722	Pank3(-591959),Slit3(-56291)	N/A
Chr11	35178479	35178658	Chr11.27729	Pank3(-590915),Slit3(-57345)	N/A
Chr11	35202289	35202524	Chr11.27747	Pank3(-567077),Slit3(+81183)	N/A
Chr11	35216726	35216876	Chr11.27771	Pank3(-552683),Slit3(+95577)	N/A
Chr11	35217080	35217407	Chr11.27773	Pank3(-552240),Slit3(+96020)	N/A
Chr11	35223525	35223813	Chr11.27781	Pank3(-545810),Slit3(+102450)	N/A
Chr11	35224294	35224510	Chr11.27789	Pank3(-545082),Slit3(+103178)	N/A
Chr11	35243681	35243921	Chr11.27817	Pank3(-525683),Slit3(+122577)	N/A
Chr11	35244951	35245140	Chr11.27822	Pank3(-524438),Slit3(+123822)	N/A
Chr11	35245378	35245504	Chr11.27826	Pank3(-524043),Slit3(+124217)	N/A
Chr11	35249253	35249415	Chr11.27837	Pank3(-520150),Slit3(+128119)	N/A
Chr11	35250808	35251360	Chr11.27838	Pank3(-518400),Slit3(+128860)	N/A
Chr11	35262383	35262494	Chr11.27860	Pank3(-507045),Slit3(+141215)	N/A
Chr11	35262530	35262648	Chr11.27862	Pank3(-506895),Slit3(+141365)	N/A
Chr11	35268008	35268153	Chr11.27869	Pank3(-501403),Slit3(+146857)	N/A
Chr11	35273305	35273587	Chr11.27892	Pank3(-496038),Slit3(+152222)	N/A
Chr11	35276398	35276530	Chr11.27901	Pank3(-493039),Slit3(+155225)	N/A
Chr11	35278501	35278904	Chr11.27904	Pank3(-490781),Slit3(+157479)	N/A
Chr11	35297622	35297725	Chr11.27937	Pank3(-471810),Slit3(+176450)	N/A
Chr11	35300098	35300237	Chr11.27943	Pank3(-469316),Slit3(+178944)	N/A
Chr11	35305290	35305474	Chr11.27952	Pank3(-464102),Slit3(+184158)	N/A
Chr11	35307011	35307222	Chr11.27958	Pank3(-462367),Slit3(+185993)	N/A
Chr11	35307939	35307788	Chr11.27959	Pank3(-461770),Slit3(+186490)	N/A
Chr11	35308014	35308144	Chr11.27960	Pank3(-461405),Slit3(+186855)	N/A
Chr11	35312476	35312645	Chr11.27964	Pank3(-456923),Slit3(+191337)	N/A
Chr11	35318262	35318466	Chr11.27976	Pank3(-451120),Slit3(+197140)	N/A
Chr11	35325098	35325207	Chr11.27980	Pank3(-444331),Slit3(+203929)	N/A
Chr11	35326395	35326499	Chr11.27983	Pank3(-443037),Slit3(+205223)	N/A
Chr11	35347830	35348011	Chr11.28024	Pank3(-421563),Slit3(+226697)	N/A
Chr11	35348088	35348247	Chr11.28027	Pank3(-421316),Slit3(+226944)	N/A
Chr11	35350645	35350791	Chr11.28040	Pank3(-418766),Slit3(+229494)	N/A
Chr11	35351336	35351645	Chr11.28045	Pank3(-417993),Slit3(+230287)	N/A
Chr11	35359453	35359603	Chr11.28059	Pank3(-412942),Slit3(+233519)	N/A
Chr11	35365589	35365802	Chr11.28075	Pank3(-406788),Slit3(+241472)	N/A
Chr11	35365327	35365553	Chr11.28085	Pank3(-404044),Slit3(+244216)	N/A
Chr11	35368622	35368775	Chr11.28100	Pank3(-400785),Slit3(+247475)	N/A
Chr11	35370519	35370854	Chr11.28103	Pank3(-398797),Slit3(+249463)	N/A
Chr11	35370884	35371003	Chr11.28106	Pank3(-398540),Slit3(+249720)	N/A
Chr11	35385558	35385718	Chr11.28116	Pank3(-393946),Slit3(+264414)	N/A
Chr11	35393879	35394253	Chr11.28135	Pank3(-375418),Slit3(+272842)	N/A
Chr11	35416457	35416591	Chr11.28167	Pank3(-352960),Slit3(+295300)	N/A
Chr11	35416938	35417057	Chr11.28174	Pank3(-352486),Slit3(+295774)	N/A
Chr11	35417394	35417566	Chr11.28177	Pank3(-352004),Slit3(+296256)	N/A
Chr11	35419094	35419209	Chr11.28184	Pank3(-350332),Slit3(+297929)	N/A
Chr11	35437895	35437837	Chr11.28211	Pank3(-331718),Slit3(+315542)	N/A
Chr11	35448244	35448457	Chr11.28221	Pank3(-321133),Slit3(+327127)	N/A
Chr11	35454183	35454361	Chr11.28228	Pank3(-315212),Slit3(+333048)	N/A
Chr11	35454458	35454689	Chr11.28231	Pank3(-314910),Slit3(+333350)	N/A
Chr11	35495028	35495153	Chr11.28298	Pank3(-274393),Slit3(+373867)	N/A
Chr11	35501459	35501681	Chr11.28309	Pank3(-267924),Slit3(+380338)	N/A
Chr11	35505035	35505338	Chr11.28320	Pank3(-264297),Slit3(+383963)	N/A
Chr11	35505927	35506148	Chr11.28325	Pank3(-263446),Slit3(+384814)	N/A
Chr11	35507894	35508000	Chr11.28332	Pank3(-261537),Slit3(+386723)	N/A
Chr11	35513380	35513622	Chr11.28345	Pank3(-255983),Slit3(+392277)	N/A
Chr11	35527946	35527955	Chr11.28360	Pank3(-241583),Slit3(+406677)	N/A
Chr11	35534715	35534876	Chr11.28362	Pank3(-234688),Slit3(+413571)	N/A
Chr11	35537590	35537757	Chr11.28375	Pank3(-231810),Slit3(+416450)	N/A
Chr11	35544011	35544538	Chr11.28403	Pank3(-225209),Slit3(+423051)	N/A
Chr11	35544895	35545052	Chr11.28407	Pank3(-224510),Slit3(+423750)	N/A
Chr11	35569645	35567141	Chr11.28441	Pank3(-202441),Slit3(+445819)	N/A
Chr11	35589004	35588108	Chr11.28479	Pank3(-181429),Slit3(+466631)	N/A
Chr11	3330019	3330136	Chr11.285	Pik3ip1(-323)	N/A
Chr11	35598949	35599116	Chr11.28509	Pank3(-170451),Slit3(+477809)	N/A
Chr11	35601950	35602113	Chr11.28518	Pank3(-167452),Slit3(+480808)	N/A
Chr11	35614665	35614785	Chr11.28551	Pank3(-154759),Slit3(+493501)	N/A
Chr11	35616667	35616932	Chr11.28554	Pank3(-152684),Slit3(+495576)	N/A
Chr11	35709345	35709475	Chr11.28721	Pank3(-74)	N/A
Chr11	35769568	35769726	Chr11.28726	Pank3(+163)	N/A
Chr11	35838398	35838508	Chr11.28808	Rars(-3947)	N/A
Chr11	35856753	35856963	Chr11.28843	Rars(-22352),Wwc1(+123669)	N/A
Chr11	35865101	35865265	Chr11.28849	Rars(-30677),Wwc1(+115344)	N/A
Chr11	35892897	35893127	Chr11.28911	Rars(-68556),Wwc1(+97465)	N/A
Chr11	35893515	35893752	Chr11.28914	Rars(-59128),Wwc1(+86893)	N/A
Chr11	35919979	35920088	Chr11.28943	Rars(-85528),Wwc1(+60493)	N/A
Chr11	35927179	35927435	Chr11.28954	Rars(-92801),Wwc1(+53220)	N/A
Chr11	35927488	35927597	Chr11.28958	Rars(-93037),Wwc1(+52984)	N/A
Chr11	35933965	35933998	Chr11.28962	Rars(-99320),Wwc1(+46701)	N/A
Chr11	35948596	35948741	Chr11.28972	Rars(-114158),Wwc1(+31863)	N/A
Chr11	35972421	35972674	Chr11.28986	Rars(-138402),Wwc1(+7979)	N/A
Chr11	35973367	35973538	Chr11.28994	Rars(-138947),Wwc1(+7074)	N/A
Chr11	3330687	3330852	Chr11.290	Pik3ip1(+369)	N/A
Chr11	35980752	35980870	Chr11.29013	Wwc1(-284)	N/A
Chr11	35980993	35981196	Chr11.29024	Wwc1(-5618)	N/A
Chr11	36009904	36010016	Chr11.29063	Wwc1(-29433)	N/A
Chr11	36031854	36032045	Chr11.29133	Wwc1(-51423)	N/A
Chr11	36046149	36046279	Chr11.29169	Wwc1(-65687)	N/A
Chr11	36046472	36046586	Chr11.29172	Wwc1(-66002)	N/A
Chr11	36072134	36072354	Chr11.29285	Wwc1(-91717)	N/A
Chr11	4931243	4931418	Chr11.2935	Hnf1a(+16733),Thos5(+35988)	N/A
Chr11	36107019	36107154	Chr11.29374	Wwc1(-126560)	N/A
Chr11	36109452	36109810	Chr11.29384	Wwc1(-129104)	N/A
Chr11	36124876	36124995	Chr11.29415	Wwc1(-144409)	N/A
Chr11	36145553	36145701	Chr11.29513	Wwc1(-165100)	N/A
Chr11	36220594	36221048	Chr11.29646	Wwc1(-240289)	N/A
Chr11	36243626	36244345	Chr11.29717	Wwc1(-263459),Tenn2(+991896)	N/A
Chr11	36246104	36246204	Chr11.29732	Wwc1(-265627),Tenn2(+989728)	N/A
Chr11	36256783	36256897	Chr11.29757	Wwc1(-276313),Tenn2(+979042)	N/A
Chr11	36256927	36257122	Chr11.29759	Wwc1(-276498),Tenn2(+978857)	N/A
Chr11	36257253	36257441	Chr11.29762	Wwc1(-276820),Tenn2(+978535)	N/A
Chr11	36259148	36259428	Chr11.29770	Wwc1(-278761),Tenn2(+978594)	N/A
Chr11	36264769	36264986	Chr11.29800	Wwc1(-284351),Tenn2(+971004)	N/A

Chr11	36276120	36276281	Chr11.29844	Wwcf(-295674),Tenn2(+959681)	N/A
Chr11	36285914	36286092	Chr11.29865	Wwcf(-305476),Tenn2(+949879)	N/A
Chr11	36286456	36286559	Chr11.29869	Wwcf(-305981),Tenn2(+949374)	N/A
Chr11	36292712	36292872	Chr11.29890	Wwcf(-312269),Tenn2(+943900)	N/A
Chr11	36293023	36293159	Chr11.29893	Wwcf(-312564),Tenn2(+942791)	N/A
Chr11	36302173	36302453	Chr11.29914	Wwcf(-321786),Tenn2(+933569)	N/A
Chr11	36302899	36302928	Chr11.29918	Wwcf(-322287),Tenn2(+933068)	N/A
Chr11	36314022	36314198	Chr11.29944	Wwcf(-333583),Tenn2(+921772)	N/A
Chr11	36318730	36318842	Chr11.29958	Wwcf(-338259),Tenn2(+917096)	N/A
Chr11	36331436	36331600	Chr11.29998	Wwcf(-350891),Tenn2(+904364)	N/A
Chr11	36332257	36332436	Chr11.30002	Wwcf(-351820),Tenn2(+903535)	N/A
Chr11	36334168	36334477	Chr11.30009	Wwcf(-353796),Tenn2(+901559)	N/A
Chr11	4988510	4988616	Chr11.3016	Ras10a(-69565),Ap1b1(+1739)	N/A
Chr11	36430522	36430680	Chr11.30208	Wwcf(-450074),Tenn2(+805281)	N/A
Chr11	36432448	36432583	Chr11.30214	Wwcf(-451989),Tenn2(+803366)	N/A
Chr11	36432613	36432843	Chr11.30217	Wwcf(-452201),Tenn2(+803154)	N/A
Chr11	36432988	36433168	Chr11.30221	Wwcf(-452551),Tenn2(+802804)	N/A
Chr11	36441832	36441986	Chr11.30243	Wwcf(-461382),Tenn2(+793973)	N/A
Chr11	36483763	36484072	Chr11.30352	Wwcf(-503391),Tenn2(+751964)	N/A
Chr11	36494510	36494693	Chr11.30360	Wwcf(-504075),Tenn2(+751280)	N/A
Chr11	36495314	36495474	Chr11.30401	Wwcf(-514867),Tenn2(+740488)	N/A
Chr11	36512418	36512572	Chr11.30439	Wwcf(-531968),Tenn2(+723387)	N/A
Chr11	36527531	36527674	Chr11.30469	Wwcf(-547076),Tenn2(+708279)	N/A
Chr11	36579367	36579528	Chr11.30563	Wwcf(-589921),Tenn2(+656434)	N/A
Chr11	36605026	36605271	Chr11.30630	Wwcf(-624622),Tenn2(+630733)	N/A
Chr11	36663735	36663969	Chr11.30764	Wwcf(-683329),Tenn2(+723300)	N/A
Chr11	36676763	36677007	Chr11.30805	Wwcf(-696358),Tenn2(+558997)	N/A
Chr11	36677154	36677478	Chr11.30809	Wwcf(-696789),Tenn2(+558566)	N/A
Chr11	36677720	36677836	Chr11.30811	Wwcf(-697251),Tenn2(+558104)	N/A
Chr11	36677874	36678006	Chr11.30812	Wwcf(-697414),Tenn2(+557941)	N/A
Chr11	36678354	36678536	Chr11.30814	Wwcf(-697919),Tenn2(+557436)	N/A
Chr11	37202896	37203008	Chr11.31024	Tenn2(+32930)	N/A
Chr11	37235065	37235671	Chr11.32019	Tenn2(+514)	N/A
Chr11	37235799	37236026	Chr11.32021	Tenn2(-31)	N/A
Chr11	37256841	37257222	Chr11.32068	Tenn2(-21150)	N/A
Chr11	37460466	37464397	Chr11.32292	Tenn2(-228340)	N/A
Chr11	37532428	37532550	Chr11.32419	Tenn2(-298607)	N/A
Chr11	37601600	37601781	Chr11.32529	Tenn2(-3658009)	N/A
Chr11	5098995	5099144	Chr11.3275	Rhbdd3(+144),Ewsr1(+196)	N/A
Chr11	5099328	5099470	Chr11.3277	Ewsr1(-133),Rhbdd3(+473)	N/A
Chr11	37926097	37926214	Chr11.32991	Tenn2(-690274)	N/A
Chr11	5109492	5109651	Chr11.3325	Ewsr1(-10306),Emid1(+2688)	N/A
Chr11	5115656	5115770	Chr11.3334	Ewsr1(-16447),Emid1(+36540)	N/A
Chr11	5136089	5136321	Chr11.3363	Ewsr1(-36939),Emid1(+16052)	N/A
Chr11	5150116	5150245	Chr11.3388	Ewsr1(-50915),Emid1(+2076)	N/A
Chr11	5150994	5151157	Chr11.3391	Ewsr1(-51810),Emid1(+1181)	N/A
Chr11	38771057	38771231	Chr11.33960	None	N/A
Chr11	5165714	5165845	Chr11.3402	Emid1(-13523),Kremen1(+95778)	N/A
Chr11	5167608	5167710	Chr11.3406	Emid1(-15402),Kremen1(+93899)	N/A
Chr11	5192061	5192177	Chr11.3425	Emid1(-39862),Kremen1(+69439)	N/A
Chr11	5221594	5221857	Chr11.3458	Emid1(-69469),Kremen1(+39832)	N/A
Chr11	39411732	39411898	Chr11.34590	None	N/A
Chr11	5226751	5226901	Chr11.3466	Emid1(-74569),Kremen1(+34732)	N/A
Chr11	5235480	5235719	Chr11.3473	Emid1(-83343),Kremen1(+25958)	N/A
Chr11	39589128	39589241	Chr11.34774	None	N/A
Chr11	5236089	5236360	Chr11.3478	Emid1(-83968),Kremen1(+25333)	N/A
Chr11	5239804	5240023	Chr11.3485	Emid1(-87657),Kremen1(+21644)	N/A
Chr11	5240083	5240347	Chr11.3492	Emid1(-87958),Kremen1(+21343)	N/A
Chr11	39794032	39794326	Chr11.35034	Mat2b(-698599)	N/A
Chr11	39794419	39794579	Chr11.35038	Mat2b(-698573)	N/A
Chr11	5244212	5244561	Chr11.3507	Emid1(-92130),Kremen1(+17171)	N/A
Chr11	5244677	5244845	Chr11.3515	Emid1(-92504),Kremen1(+16797)	N/A
Chr11	39924181	39924328	Chr11.35150	Mat2b(+768519)	N/A
Chr11	5256711	5256260	Chr11.3525	Emid1(-103729),Kremen1(+5572)	N/A
Chr11	52565664	52565759	Chr11.3529	Emid1(-10440),Kremen1(+4836)	N/A
Chr11	5257353	5257526	Chr11.3532	Emid1(-105183),Kremen1(+4118)	N/A
Chr11	5256898	5266010	Chr11.3554	Kremen1(-4396)	N/A
Chr11	40395324	40395571	Chr11.35604	Mat2b(+297326)	N/A
Chr11	40395655	40395780	Chr11.35604	Mat2b(+297066)	N/A
Chr11	5271308	5271446	Chr11.3563	Kremen1(-9621),Znrf3(+173468)	N/A
Chr11	5271493	5271941	Chr11.3566	Kremen1(-10159),Znrf3(+173130)	N/A
Chr11	5272129	5272311	Chr11.3577	Kremen1(-10662),Znrf3(+172627)	N/A
Chr11	40592520	40592791	Chr11.35893	Mat2b(+100118)	N/A
Chr11	40600166	40600296	Chr11.35904	Mat2b(+92543)	N/A
Chr11	5275425	5275577	Chr11.3593	Kremen1(-13943),Znrf3(+169346)	N/A
Chr11	40609035	40609587	Chr11.35995	Mat2b(-2237)	N/A
Chr11	5276749	5276862	Chr11.3602	Kremen1(-15248),Znrf3(+168041)	N/A
Chr11	5277692	5277805	Chr11.3606	Kremen1(-16191),Znrf3(+167098)	N/A
Chr11	41644962	41645080	Chr11.36553	Cong1(-889710),Gabrg2(+355657)	N/A
Chr11	41645352	41645510	Chr11.36559	Cong1(-890120),Gabrg2(+355247)	N/A
Chr11	5296628	5296871	Chr11.3683	Kremen1(-35192),Znrf3(+148097)	N/A
Chr11	42182775	42182623	Chr11.36855	Gabra1(+431)	N/A
Chr11	42182721	42182840	Chr11.36856	Gabra1(+149)	N/A
Chr11	5297570	5297953	Chr11.3691	Kremen1(-36204),Znrf3(+147085)	N/A
Chr11	5298065	5298193	Chr11.3693	Kremen1(-36571),Znrf3(+146718)	N/A
Chr11	42421209	42421312	Chr11.37055	Gm9972(-614465),Gabrb2(+1504)	N/A
Chr11	53143309	5314781	Chr11.3708	Kremen1(-52967),Znrf3(+130302)	N/A
Chr11	5314841	5315090	Chr11.3713	Kremen1(-53408),Znrf3(+129881)	N/A
Chr11	5318115	5318295	Chr11.3719	Kremen1(-56647),Znrf3(+126642)	N/A
Chr11	42606233	42606380	Chr11.37196	Gm9972(-429439),Gabrb2(+186550)	N/A
Chr11	5318369	5318573	Chr11.3723	Kremen1(-56913),Znrf3(+126376)	N/A
Chr11	5319249	5319416	Chr11.3727	Kremen1(-57775),Znrf3(+125514)	N/A
Chr11	43059562	43059863	Chr11.37495	Alp10b(-91886),Gm9972(-23967)	N/A
Chr11	5355406	5355592	Chr11.3756	Kremen1(-69341),Znrf3(+80348)	N/A
Chr11	43155564	43155675	Chr11.37579	Alp10b(+4021),Ptg1(+270343)	N/A
Chr11	5380948	5381098	Chr11.3767	Kremen1(-119465),Znrf3(+63824)	N/A
Chr11	5381198	5381512	Chr11.3769	Kremen1(-119797),Znrf3(+63492)	N/A
Chr11	5382728	5382984	Chr11.3778	Kremen1(-121298),Znrf3(+61991)	N/A
Chr11	5391311	5391535	Chr11.3780	Kremen1(-129865),Znrf3(+53424)	N/A
Chr11	43384803	43384984	Chr11.37852	Ptg1(+41069),Alp10b(+233295)	N/A
Chr11	43385106	43385317	Chr11.37854	Ptg1(+40751),Alp10b(+233613)	N/A
Chr11	43385495	43385658	Chr11.37860	Ptg1(+40386),Alp10b(+233978)	N/A
Chr11	43520508	43520643	Chr11.37981	Ccnj1(-8208),C1qln2(+46270)	N/A
Chr11	43560171	43560281	Chr11.38008	493341Sao4rk(-2614),Ccnj1(+31442)	N/A
Chr11	43566885	43567006	Chr11.38011	493341Sao4rk(-20094),Ccnj1(+38162)	N/A
Chr11	5414977	5415185	Chr11.3808	Kremen1(-153523),Znrf3(+29766)	N/A
Chr11	43667229	43667340	Chr11.38089	Fabp5(-65745),Pwpp2a(-14713)	N/A
Chr11	43681468	43681584	Chr11.38092	Pwpp2a(-472)	N/A
Chr11	43681822	43681990	Chr11.38097	Pwpp2a(-92)	N/A
Chr11	43834550	43835572	Chr11.38107	Pwpp2a(+1513),Ttc1(+64471)	N/A
Chr11	5415696	5415833	Chr11.3811	Kremen1(-154207),Znrf3(+29082)	N/A
Chr11	5415959	5416073	Chr11.3812	Kremen1(-154458),Znrf3(+28831)	N/A
Chr11	5416974	5417175	Chr11.3815	Kremen1(-155517),Znrf3(+27772)	N/A
Chr11	5421994	5422293	Chr11.3818	Kremen1(-160586),Znrf3(+22703)	N/A
Chr11	54252390	5425432	Chr11.3822	Kremen1(-163803),Znrf3(+19486)	N/A
Chr11	43834653	43834756	Chr11.38271	Ttc1(-86723),Adra1b(+65505)	N/A
Chr11	43889500	43889690	Chr11.38349	Ttc1(-141613),Adra1b(+11615)	N/A
Chr11	5429339	5429462	Chr11.3837	Kremen1(-167843),Znrf3(+15446)	N/A
Chr11	43926142	43926277	Chr11.38389	Il12b(-473853),Adra1b(-25000)	N/A
Chr11	43962174	43962427	Chr11.38459	Il12b(-407762),Adra1b(-91091)	N/A
Chr11	5440719	5440893	Chr11.3856	Kremen1(-179248),Znrf3(+4041)	N/A
Chr11	5441317	5441448	Chr11.3861	Kremen1(-179825),Znrf3(+3464)	N/A
Chr11	5442602	5442774	Chr11.3868	Kremen1(-181130),Znrf3(+2159)	N/A
Chr11	44518652	44518754	Chr11.38924	Rnf145(-261)	N/A
Chr11	44520094	44520370	Chr11.38927	Ebf1(-97089),Rnf145(+1268)	N/A
Chr11	44520616	44520721	Chr11.38933	Ebf1(-96846),Rnf145(+1705)	N/A
Chr11	44523861	44524000	Chr11.38938	Ebf1(-93386),Rnf145(+4967)	N/A
Chr11	44562969	44563171	Chr11.38972	Ebf1(-54247),Rnf145(+44106)	N/A
Chr11	44616777	44616933	Chr11.39025	Ebf1(-462)	N/A
Chr11	44626810	44627039	Chr11.39085	Ebf1(+9608)	N/A
Chr11	44629398	44629504	Chr11.39101	Ebf1(+12134)	N/A
Chr11	44633125	44633244	Chr11.39119	Ebf1(+15868)	N/A
Chr11	5525011	5525243	Chr11.3914	Xbp1(+4468),Ccdc117(+17080)	N/A
Chr11	44644134	44644314	Chr11.39140	Ebf1(+26907)	N/A
Chr11	44654513	44654950	Chr11.39190	Ebf1(+37415)	N/A
Chr11	44655524	44655720	Chr11.39197	Ebf1(+38305)	N/A
Chr11	44663677	44663937	Chr11.39223	Ebf1(+46440)	N/A
Chr11	44665227	44665466	Chr11.39231	Ebf1(+48030)	N/A

Chr11	44665718	44666053	Chr11.39234	Ebf1(+48569)	N/A
Chr11	44677789	44678042	Chr11.39263	Ebf1(+60599)	N/A
Chr11	44682552	44683569	Chr11.39296	Ebf1(+65944)	N/A
Chr11	44683804	44683918	Chr11.39299	Ebf1(+66544)	N/A
Chr11	44684049	44684252	Chr11.39305	Ebf1(+66834)	N/A
Chr11	44684296	44684675	Chr11.39311	Ebf1(+67169)	N/A
Chr11	5529230	5529394	Chr11.39332	Xbp1(+8653),Ccdc117(+12875)	N/A
Chr11	44684912	44685144	Chr11.39332	Ebf1(+67711)	N/A
Chr11	44685058	44686118	Chr11.39326	Ebf1(+68646)	N/A
Chr11	44685996	44689704	Chr11.39331	Ebf1(+72333)	N/A
Chr11	44696934	44697361	Chr11.39361	Ebf1(+79831)	N/A
Chr11	44697398	44697828	Chr11.39364	Ebf1(+80296)	N/A
Chr11	44700226	44700375	Chr11.39375	Ebf1(+82984)	N/A
Chr11	44701722	44701968	Chr11.39381	Ebf1(+84528)	N/A
Chr11	5529871	5530128	Chr11.3939	Xbp1(+9341),Ccdc117(+12187)	N/A
Chr11	44707505	44707758	Chr11.39394	Ebf1(+90315)	N/A
Chr11	44707799	44708111	Chr11.39399	Ebf1(+90638)	N/A
Chr11	44708636	44708813	Chr11.39403	Ebf1(+91408)	N/A
Chr11	44713477	44713591	Chr11.39424	Ebf1(+96217)	N/A
Chr11	44714457	44714598	Chr11.39435	Ebf1(+97211)	N/A
Chr11	44715942	44716180	Chr11.39441	Ebf1(+98744)	N/A
Chr11	44716953	44717204	Chr11.39453	Ebf1(+99762)	N/A
Chr11	44728314	44728510	Chr11.39472	Ebf1(+111095)	N/A
Chr11	3366492	3366607	Chr11.395	Pik3ip1(+36149),Limk2(+42624)	N/A
Chr11	44738300	44738412	Chr11.39515	Ebf1(+121039)	N/A
Chr11	44738718	44738841	Chr11.39519	Ebf1(+121463)	N/A
Chr11	44738998	44739099	Chr11.39522	Ebf1(+121732)	N/A
Chr11	44740664	44740933	Chr11.39534	Ebf1(+123482)	N/A
Chr11	44741046	44741518	Chr11.39539	Ebf1(+123965)	N/A
Chr11	44744467	44744566	Chr11.39550	Ebf1(+127200)	N/A
Chr11	44746910	44747032	Chr11.39565	Ebf1(+129654)	N/A
Chr11	44748959	44749056	Chr11.39568	Ebf1(+131681)	N/A
Chr11	44761506	44761853	Chr11.39599	Ebf1(+144363)	N/A
Chr11	44767991	44768115	Chr11.39626	Ebf1(+150736)	N/A
Chr11	44773394	44777530	Chr11.39651	Ebf1(+160145)	N/A
Chr11	44777650	44777752	Chr11.39655	Ebf1(+160384)	N/A
Chr11	44801813	44801987	Chr11.39738	Ebf1(+184583)	N/A
Chr11	44805576	44806922	Chr11.39749	Ebf1(+189432)	N/A
Chr11	44806960	44807089	Chr11.39756	Ebf1(+189708)	N/A
Chr11	3366637	3366746	Chr11.398	Pik3ip1(+36291),Limk2(+42482)	N/A
Chr11	44821374	44821582	Chr11.39804	Ebf1(+204161)	N/A
Chr11	44825902	44826145	Chr11.39822	Ebf1(+208707)	N/A
Chr11	44832836	44833221	Chr11.39846	Ebf1(+215712)	N/A
Chr11	44833261	44833757	Chr11.39849	Ebf1(+216192)	N/A
Chr11	44835136	44835363	Chr11.39855	Ebf1(+217933)	N/A
Chr11	44849377	44849639	Chr11.39903	Ebf1(+232191)	N/A
Chr11	44850002	44850184	Chr11.39908	Ebf1(+232778)	N/A
Chr11	44853831	44853730	Chr11.39923	Clint1(+988370),Ebf1(+236364)	N/A
Chr11	44866455	44867093	Chr11.39961	Clint1(+985277),Ebf1(+249457)	N/A
Chr11	44887047	44887188	Chr11.40022	Clint1(+964933),Ebf1(+269801)	N/A
Chr11	44892991	44893248	Chr11.40046	Clint1(+958931),Ebf1(+275803)	N/A
Chr11	44897619	44897730	Chr11.40070	Clint1(+954376),Ebf1(+280358)	N/A
Chr11	44900141	44900331	Chr11.40075	Clint1(+951815),Ebf1(+282919)	N/A
Chr11	44900495	44900651	Chr11.40077	Clint1(+951483),Ebf1(+283251)	N/A
Chr11	44900875	44901030	Chr11.40081	Clint1(+951098),Ebf1(+283636)	N/A
Chr11	44903528	44903806	Chr11.40086	Clint1(+948384),Ebf1(+286350)	N/A
Chr11	44924272	44924377	Chr11.40144	Clint1(+927726),Ebf1(+307008)	N/A
Chr11	44925686	44926152	Chr11.40152	Clint1(+926132),Ebf1(+308602)	N/A
Chr11	44926212	44926651	Chr11.40153	Clint1(+926519),Ebf1(+309115)	N/A
Chr11	44926812	44926916	Chr11.40155	Clint1(+925187),Ebf1(+309547)	N/A
Chr11	44975334	44975781	Chr11.40291	Clint1(+876493),Ebf1(+358241)	N/A
Chr11	44977041	44977410	Chr11.40297	Clint1(+874825),Ebf1(+359909)	N/A
Chr11	44977480	44977846	Chr11.40298	Clint1(+874388),Ebf1(+360346)	N/A
Chr11	44978139	44978282	Chr11.40303	Clint1(+873840),Ebf1(+360894)	N/A
Chr11	44978975	44979237	Chr11.40307	Clint1(+872945),Ebf1(+361789)	N/A
Chr11	45004427	45004536	Chr11.40384	Clint1(+847569),Ebf1(+387165)	N/A
Chr11	45005553	45005695	Chr11.40393	Clint1(+846427),Ebf1(+388307)	N/A
Chr11	45007488	45007668	Chr11.40407	Clint1(+844473),Ebf1(+390261)	N/A
Chr11	45026316	45026601	Chr11.40435	Clint1(+829592),Ebf1(+409142)	N/A
Chr11	45026879	45027082	Chr11.40441	Clint1(+825170),Ebf1(+409564)	N/A
Chr11	45061171	45061970	Chr11.40467	Clint1(+790207),Ebf1(+444527)	N/A
Chr11	45071417	45071517	Chr11.40496	Clint1(+780584),Ebf1(+454150)	N/A
Chr11	45080148	45080348	Chr11.40509	Clint1(+771803),Ebf1(+462931)	N/A
Chr11	45087349	45087628	Chr11.40516	Clint1(+764562),Ebf1(+470172)	N/A
Chr11	45087670	45087871	Chr11.40517	Clint1(+764280),Ebf1(+470454)	N/A
Chr11	45103806	45103918	Chr11.40532	Clint1(+748239),Ebf1(+486445)	N/A
Chr11	45103964	45104075	Chr11.40539	Clint1(+748031),Ebf1(+486703)	N/A
Chr11	45138551	45138740	Chr11.40571	Clint1(+713405),Ebf1(+521329)	N/A
Chr11	45154305	45154602	Chr11.40592	Clint1(+697597),Ebf1(+537137)	N/A
Chr11	45168863	45167208	Chr11.40601	Clint1(+689015),Ebf1(+549719)	N/A
Chr11	45175586	45175765	Chr11.40619	Clint1(+676375),Ebf1(+558359)	N/A
Chr11	45191399	45192009	Chr11.40645	Clint1(+660347),Ebf1(+574387)	N/A
Chr11	5780202	5780316	Chr11.4065	Urgcp(-39109),Dbrn(-8263)	N/A
Chr11	45199524	45200033	Chr11.40659	Clint1(+652272),Ebf1(+582462)	N/A
Chr11	45200123	45200278	Chr11.40668	Clint1(+651850),Ebf1(+582884)	N/A
Chr11	45203803	45203933	Chr11.40674	Clint1(+648183),Ebf1(+586551)	N/A
Chr11	45206987	45207287	Chr11.40679	Clint1(+644919),Ebf1(+589815)	N/A
Chr11	3370255	3370415	Chr11.407	Limk2(+38539),Pik3ip1(+39934)	N/A
Chr11	45229459	45229919	Chr11.40703	Clint1(+622362),Ebf1(+612372)	N/A
Chr11	45232558	45232673	Chr11.40706	Clint1(+616585),Ebf1(+618149)	N/A
Chr11	45239212	45239336	Chr11.40722	Clint1(+612777),Ebf1(+621957)	N/A
Chr11	45239760	45240139	Chr11.40725	Clint1(+612101),Ebf1(+622633)	N/A
Chr11	45240882	45241048	Chr11.40734	Clint1(+611086),Ebf1(+623648)	N/A
Chr11	45241613	45241817	Chr11.40739	Clint1(+610336),Ebf1(+624398)	N/A
Chr11	45265238	45265504	Chr11.40796	Clint1(+586880),Ebf1(+648054)	N/A
Chr11	45273996	45274142	Chr11.40802	Clint1(+577982),Ebf1(+656752)	N/A
Chr11	45274685	45274812	Chr11.40806	Clint1(+577302),Ebf1(+657432)	N/A
Chr11	45289966	45287134	Chr11.40819	Clint1(+565001),Ebf1(+669733)	N/A
Chr11	45296783	45297210	Chr11.40826	Clint1(+555054),Ebf1(+679680)	N/A
Chr11	45317683	45317960	Chr11.40849	Clint1(+534229),Ebf1(+700505)	N/A
Chr11	45389258	45389903	Chr11.40930	Clint1(+462470),Ebf1(+772264)	N/A
Chr11	45396209	45396537	Chr11.40949	Clint1(+456768),Ebf1(+779056)	N/A
Chr11	45407970	45408188	Chr11.40977	Clint1(+443972),Ebf1(+790762)	N/A
Chr11	45408388	45408545	Chr11.40984	Clint1(+443584),Ebf1(+791150)	N/A
Chr11	45408720	45409102	Chr11.40988	Clint1(+443140),Ebf1(+791594)	N/A
Chr11	45409240	45409810	Chr11.40994	Clint1(+442526),Ebf1(+792208)	N/A
Chr11	45419325	45419551	Chr11.41010	Clint1(+432613),Ebf1(+802121)	N/A
Chr11	45454997	45455161	Chr11.41057	Clint1(+398972),Ebf1(+837762)	N/A
Chr11	45455191	45455464	Chr11.41059	Clint1(+396723),Ebf1(+838011)	N/A
Chr11	45460175	45460586	Chr11.41078	Clint1(+391670),Ebf1(+843064)	N/A
Chr11	3370555	3370709	Chr11.411	Limk2(+38542),Pik3ip1(+40231)	N/A
Chr11	45491422	45491543	Chr11.41134	Clint1(+360568),Ebf1(+874166)	N/A
Chr11	45494529	45494748	Chr11.41137	Clint1(+357412),Ebf1(+877322)	N/A
Chr11	45495063	45495379	Chr11.41141	Clint1(+356830),Ebf1(+877904)	N/A
Chr11	45514506	45514896	Chr11.41159	Clint1(+337350),Ebf1(+897384)	N/A
Chr11	45524601	45524758	Chr11.41174	Clint1(+327371),Ebf1(+907363)	N/A
Chr11	45524853	45524975	Chr11.41177	Clint1(+327137),Ebf1(+907597)	N/A
Chr11	45535330	45535523	Chr11.41182	Clint1(+316624),Ebf1(+918110)	N/A
Chr11	45535715	45535832	Chr11.41183	Clint1(+316277),Ebf1(+918457)	N/A
Chr11	45577671	45577847	Chr11.41281	Clint1(+274262),Ebf1(+960442)	N/A
Chr11	45577893	45578006	Chr11.41285	Clint1(+274101),Ebf1(+960633)	N/A
Chr11	45592773	45593391	Chr11.41300	Clint1(+258969),Ebf1(+975765)	N/A
Chr11	45670186	45670388	Chr11.41356	Clint1(+181764)	N/A
Chr11	45678040	45678184	Chr11.41365	Clint1(+173939)	N/A
Chr11	45678307	45678486	Chr11.41367	Clint1(+173654)	N/A
Chr11	45678623	45678905	Chr11.41370	Clint1(+173287)	N/A
Chr11	45679182	45679340	Chr11.41375	Clint1(+172790)	N/A
Chr11	45693295	45693490	Chr11.41387	Clint1(+158658)	N/A
Chr11	45702066	45702168	Chr11.41399	Clint1(+149934)	N/A
Chr11	45718167	45718886	Chr11.41435	Clint1(+133524)	N/A
Chr11	45718201	45717424	Chr11.41463	Clint1(+84738)	N/A
Chr11	45718985	4579103	Chr11.41488	Clint1(+62007)	N/A
Chr11	45799023	45799248	Chr11.41488	Clint1(+52915)	N/A
Chr11	45809385	45809583	Chr11.41495	Clint1(+42567)	N/A
Chr11	3370962	3371226	Chr11.415	Limk2(+38080),Pik3ip1(+40693)	N/A
Chr11	45851891	45852049	Chr11.41522	Clint1(+81)	N/A
Chr11	45852860	45853063	Chr11.41527	Clint1(+871)	N/A
Chr11	45853788	45853925	Chr11.41531	Clint1(+1806),Lsm11(+91078)	N/A

Chr11	45877475	45877666	Chr11.11548	<i>Clint1(+25520),Lsm11(+67364)</i>	N/A
Chr11	45881855	45882238	Chr11.11554	<i>Clint1(+29996),Lsm11(+62888)</i>	N/A
Chr11	45900213	45900594	Chr11.11604	<i>Lsm11(+44531),Clint1(+6353)</i>	N/A
Chr11	45905993	45906132	Chr11.11616	<i>Lsm11(+38572),Clint1(+54013)</i>	N/A
Chr11	45921788	45922054	Chr11.11650	<i>Lsm11(+23014),Clint1(+69870)</i>	N/A
Chr11	45943542	45943813	Chr11.11701	<i>Lsm11(+1257),Clint1(+91627)</i>	N/A
Chr11	45980134	45980330	Chr11.11736	<i>Sox30(-78)</i>	N/A
Chr11	46025976	46026149	Chr11.11789	<i>Gm12166(+26248),Sox30(+45753)</i>	N/A
Chr11	46026243	46026359	Chr11.11796	<i>Gm12166(+26070),Sox30(+45991)</i>	N/A
Chr11	46029426	46029627	Chr11.11801	<i>Gm12166(+22834),Sox30(+49167)</i>	N/A
Chr11	46039478	46039615	Chr11.11808	<i>Gm12166(+12764),Sox30(+59237)</i>	N/A
Chr11	46065906	46066095	Chr11.11828	<i>Adam19(+10009),Nipa4(+100507)</i>	N/A
Chr11	46068820	46068975	Chr11.11833	<i>Adam19(+12906),Nipa4(+97810)</i>	N/A
Chr11	46069868	46069809	Chr11.11836	<i>Adam19(+13756),Nipa4(+96760)</i>	N/A
Chr11	46078020	46078150	Chr11.11843	<i>Adam19(+22083),Nipa4(+68423)</i>	N/A
Chr11	46084561	46084694	Chr11.11848	<i>Adam19(+29636),Nipa4(+81880)</i>	N/A
Chr11	46089340	46089495	Chr11.11863	<i>Adam19(+33426),Nipa4(+77090)</i>	N/A
Chr11	46102235	46102416	Chr11.11880	<i>Adam19(+46334),Nipa4(+64182)</i>	N/A
Chr11	5855993	5856208	Chr11.1193	<i>Poinj(-18085),Aebp1(-5846)</i>	N/A
Chr11	46170051	46170262	Chr11.12055	<i>Nipa4(+3649)</i>	N/A
Chr11	46291153	46291305	Chr11.12209	<i>Cyfp2(-21129),Fndc9(+55698)</i>	N/A
Chr11	46309774	46309971	Chr11.12226	<i>Cyfp2(+2485),Fndc9(+74342)</i>	N/A
Chr11	46310298	46310431	Chr11.12229	<i>Cyfp2(+1993),Fndc9(+74834)</i>	N/A
Chr11	373161	373416	Chr11.423	<i>Limk2(+34885),Pik3p1(+43888)</i>	N/A
Chr11	46832885	46833102	Chr11.12455	<i>Timd4(+22194),Sgcd(+546528)</i>	N/A
Chr11	46848045	46848303	Chr11.12462	<i>Timd4(+37374),Sgcd(+531348)</i>	N/A
Chr11	46868764	46868931	Chr11.12458	<i>Timd4(+58048),Sgcd(+510674)</i>	N/A
Chr11	46918081	46918237	Chr11.12515	<i>Timd4(+107359),Sgcd(+461363)</i>	N/A
Chr11	47113528	47113702	Chr11.12662	<i>Sgcd(+265907),Timd4(+302815)</i>	N/A
Chr11	47304787	47305086	Chr11.12862	<i>Sgcd(+74594),Timd4(+494182)</i>	N/A
Chr11	47379352	47379570	Chr11.12948	<i>Sgcd(+61)</i>	N/A
Chr11	47705538	47705805	Chr11.13190	<i>Sgcd(+326150)</i>	N/A
Chr11	47988407	47988553	Chr11.13455	<i>Rack1(-811875),Sgcd(-608963)</i>	N/A
Chr11	47989440	47989562	Chr11.13461	<i>Rack1(-810859),Sgcd(-609979)</i>	N/A
Chr11	48290572	48290753	Chr11.13729	<i>Sgcd(-911141),Rack1(-509697)</i>	N/A
Chr11	48463983	48464142	Chr11.13851	<i>Rack1(-336297)</i>	N/A
Chr11	48509581	48509796	Chr11.13938	<i>Rack1(-200671)</i>	N/A
Chr11	48605127	48605376	Chr11.13948	<i>Rack1(-195108)</i>	N/A
Chr11	48806997	48807105	Chr11.14085	<i>Rack1(+6691),Trim41(+10302)</i>	N/A
Chr11	3394559	3394719	Chr11.144	<i>Limk2(+14535),Pik3p1(+64238)</i>	N/A
Chr11	49244153	49244258	Chr11.14404	<i>Mgat1(+15)</i>	N/A
Chr11	49245474	49245622	Chr11.14414	<i>Olfr393(-34802),Mgat1(+1357)</i>	N/A
Chr11	59717101	5971832	Chr11.14476	<i>Vtst4(+6074),Camr2b(+93981)</i>	N/A
Chr11	49674818	49675098	Chr11.14811	<i>Scgb3a1(+11348),Cnot6(+37732)</i>	N/A
Chr11	49794919	49795196	Chr11.14840	<i>Gfp2(+872)</i>	N/A
Chr11	49918736	49918899	Chr11.15007	<i>Rnf130(-106530),Rasgef1c(+16963)</i>	N/A
Chr11	50026769	50026986	Chr11.15046	<i>Tbc1d96(+104518),Rnf130(+1530)</i>	N/A
Chr11	50213153	50213270	Chr11.15267	<i>Ssqm1(-2395)</i>	N/A
Chr11	50292251	50292356	Chr11.15421	<i>Mam1(+7)</i>	N/A
Chr11	50294435	50294588	Chr11.15428	<i>Mam1(-2201)</i>	N/A
Chr11	50377411	50377540	Chr11.15490	<i>Hnmph1(+486)</i>	N/A
Chr11	50377654	50377758	Chr11.15495	<i>Hnmph1(+716)</i>	N/A
Chr11	50378762	50378956	Chr11.15500	<i>Hnmph1(+1870),Rufy1(+52285)</i>	N/A
Chr11	6087104	6087247	Chr11.14554	<i>Camr2b(-21428),Audc3b(+113239)</i>	N/A
Chr11	50571554	50571688	Chr11.15647	<i>Rufy1(-140496),Adams2(-30463)</i>	N/A
Chr11	50604161	50604291	Chr11.15675	<i>Adams2(+2142),Zfp354c(+223464)</i>	N/A
Chr11	50604463	50604600	Chr11.15678	<i>Adams2(+2448),Zfp354c(+223158)</i>	N/A
Chr11	50611294	50611468	Chr11.15684	<i>Adams2(+9297),Zfp354c(+216309)</i>	N/A
Chr11	50622407	50622519	Chr11.15691	<i>Adams2(+20379),Zfp354c(+205227)</i>	N/A
Chr11	50629071	50629228	Chr11.15698	<i>Adams2(+27065),Zfp354c(+198541)</i>	N/A
Chr11	50632452	50632554	Chr11.15701	<i>Adams2(+30419),Zfp354c(+195187)</i>	N/A
Chr11	50745039	50745181	Chr11.15766	<i>Zfp354c(+82580),Adams2(+143026)</i>	N/A
Chr11	51390013	51390122	Chr11.16298	<i>Phykp1(-194689),Col23a1(+100148)</i>	N/A
Chr11	51390285	51390607	Chr11.16301	<i>Phykp1(-194319),Col23a1(+100518)</i>	N/A
Chr11	51408804	51408945	Chr11.16309	<i>Phykp1(-177882),Col23a1(+116955)</i>	N/A
Chr11	51418841	51418941	Chr11.16321	<i>Phykp1(-165866),Col23a1(+128971)</i>	N/A
Chr11	51502575	51502748	Chr11.16350	<i>Phykp1(-82095),Col23a1(+212742)</i>	N/A
Chr11	51538810	51538933	Chr11.16360	<i>Phykp1(-45885),Col23a1(+248952)</i>	N/A
Chr11	51602152	51602311	Chr11.16501	<i>Hnmpab(+4615),Phykp1(+17475)</i>	N/A
Chr11	51608028	51607022	Chr11.16510	<i>Hnmpab(-80)</i>	N/A
Chr11	51649007	51641021	Chr11.16580	<i>Rnm55(+5068),Nabp3(+9878)</i>	N/A
Chr11	51767882	51768131	Chr11.16735	<i>Sar1b(+4320),Jade2(+89646)</i>	N/A
Chr11	51815968	51816097	Chr11.16776	<i>Jade2(+41620),Sar1b(+52346)</i>	N/A
Chr11	51816712	51816857	Chr11.16783	<i>Jade2(+40868),Sar1b(+53098)</i>	N/A
Chr11	51832499	51832681	Chr11.16838	<i>Jade2(+25063),Sar1b(+68903)</i>	N/A
Chr11	51841224	51841348	Chr11.16853	<i>Jade2(+16367),Sar1b(+77599)</i>	N/A
Chr11	51852301	51852812	Chr11.16868	<i>Jade2(+5096),Sar1b(+88870)</i>	N/A
Chr11	51852851	51853126	Chr11.16874	<i>Jade2(+4664),Sar1b(+89302)</i>	N/A
Chr11	51854427	51854913	Chr11.16878	<i>Jade2(+2983),Sar1b(+90883)</i>	N/A
Chr11	51854960	51855111	Chr11.16883	<i>Jade2(+2617),Sar1b(+91349)</i>	N/A
Chr11	51856314	51856415	Chr11.16889	<i>Jade2(+1288),Sar1b(+92678)</i>	N/A
Chr11	51856677	51856821	Chr11.16892	<i>Jade2(+694)</i>	N/A
Chr11	51858143	51858287	Chr11.16896	<i>Jade2(-562)</i>	N/A
Chr11	51858788	51859085	Chr11.16899	<i>Jade2(-1284)</i>	N/A
Chr11	51859427	51859684	Chr11.16903	<i>Jade2(-1903)</i>	N/A
Chr11	51872478	51872656	Chr11.16911	<i>Cdkn2aipn1(-95094),Jade2(-14914)</i>	N/A
Chr11	51874596	51874612	Chr11.16915	<i>Cdkn2aipn1(-91102),Jade2(-16908)</i>	N/A
Chr11	51896125	51896368	Chr11.16927	<i>Cdkn2aipn1(-71414),Jade2(-38594)</i>	N/A
Chr11	51896469	51896589	Chr11.16929	<i>Cdkn2aipn1(-71132),Jade2(-38876)</i>	N/A
Chr11	51916076	51916310	Chr11.16933	<i>Jade2(-58540),Cdkn2aipn1(-51468)</i>	N/A
Chr11	51945952	51946082	Chr11.16969	<i>Jade2(-88364),Cdkn2aipn1(-21644)</i>	N/A
Chr11	52000713	52000893	Chr11.17023	<i>Cdk3(-3487),Ube2b(-319)</i>	N/A
Chr11	52084007	52084772	Chr11.17077	<i>Ppp2ca(-12911),Cdk3(+62300)</i>	N/A
Chr11	52089332	52089584	Chr11.17083	<i>Ppp2ca(-9223),Cdk3(+85168)</i>	N/A
Chr11	52096992	52096852	Chr11.17103	<i>Ppp2ca(+1091),Olfr1373(+45756)</i>	N/A
Chr11	52233094	52233239	Chr11.17135	<i>Skp1a(+978)</i>	N/A
Chr11	52261033	52261133	Chr11.17200	<i>Tcft7(+21488),Skp1a(+28894)</i>	N/A
Chr11	52265702	52265906	Chr11.17207	<i>Tcft7(+16787),Skp1a(+33615)</i>	N/A
Chr11	52268476	52268626	Chr11.17216	<i>Tcft7(+14020),Skp1a(+36362)</i>	N/A
Chr11	52272026	52272229	Chr11.17220	<i>Tcft7(+10443),Skp1a(+39939)</i>	N/A
Chr11	52272719	52272877	Chr11.17224	<i>Tcft7(+9773),Skp1a(+40609)</i>	N/A
Chr11	52283000	52283112	Chr11.17234	<i>Tcft7(-485)</i>	N/A
Chr11	52284375	52284518	Chr11.17237	<i>Tcft7(-1678)</i>	N/A
Chr11	52286863	52287219	Chr11.17239	<i>Tcft7(-4470)</i>	N/A
Chr11	52310649	52310798	Chr11.17265	<i>Vdac1(-50136),Tcft7(-28153)</i>	N/A
Chr11	52314169	52314656	Chr11.17268	<i>Vdac1(-46447),Tcft7(-31842)</i>	N/A
Chr11	52318619	52318755	Chr11.17273	<i>Vdac1(-42173),Tcft7(-36116)</i>	N/A
Chr11	52337720	52337877	Chr11.17287	<i>Tcft7(-58228),Vdac1(-23061)</i>	N/A
Chr11	52341150	52341369	Chr11.17293	<i>Tcft7(-58689),Vdac1(-19600)</i>	N/A
Chr11	52369484	52369598	Chr11.17300	<i>9530068e07rnk(-26887),Vdac1(+8681)</i>	N/A
Chr11	52426748	52426890	Chr11.17376	<i>Fstl4(-337815),9530068e07rnk(+30391)</i>	N/A
Chr11	52434749	52437600	Chr11.17385	<i>Fstl4(-327094),9530068e07rnk(+41112)</i>	N/A
Chr11	52444892	52445148	Chr11.17396	<i>Fstl4(-319614),9530068e07rnk(+48592)</i>	N/A
Chr11	52535010	52535116	Chr11.17464	<i>Fstl4(-22957),9530068e07rnk(+138635)</i>	N/A
Chr11	52551890	52551915	Chr11.17484	<i>Fstl4(-212846),9530068e07rnk(+53360)</i>	N/A
Chr11	52561425	52561566	Chr11.17503	<i>Fstl4(-203138),9530068e07rnk(+165068)</i>	N/A
Chr11	52565574	52565716	Chr11.17515	<i>Fstl4(-198989),9530068e07rnk(+169217)</i>	N/A
Chr11	52568189	52568330	Chr11.17520	<i>Fstl4(-196374),9530068e07rnk(+171832)</i>	N/A
Chr11	52617194	52617325	Chr11.17570	<i>Fstl4(-147374),9530068e07rnk(+220832)</i>	N/A
Chr11	52678287	52678479	Chr11.17662	<i>Fstl4(-86251),9530068e07rnk(+281955)</i>	N/A
Chr11	52718624	52719658	Chr11.17687	<i>Fstl4(-53744),9530068e07rnk(+314462)</i>	N/A
Chr11	52820326	52820453	Chr11.17790	<i>Fstl4(+55756),Hspa4(+480067)</i>	N/A
Chr11	52988453	52988553	Chr11.17959	<i>Fstl4(+223869),Hspa4(+311954)</i>	N/A
Chr11	53068080	53068218	Chr11.18066	<i>Hspa4(+232308),Fstl4(+303515)</i>	N/A
Chr11	53187080	53187182	Chr11.18262	<i>Hspa4(+13326),Fstl4(+422497)</i>	N/A
Chr11	53252798	53252913	Chr11.18310	<i>Hspa4(+47806),Fstl4(+488217)</i>	N/A
Chr11	53260410	53260520	Chr11.18315	<i>Hspa4(-39992),Fstl4(+495831)</i>	N/A
Chr11	53300364	53300488	Chr11.18363	<i>Hspa4(+31)</i>	N/A
Chr11	53309927	53307078	Chr11.18368	<i>Zcchc10(-17676),Hspa4(-6546)</i>	N/A
Chr11	53309033	53309173	Chr11.18370	<i>Zcchc10(-15576),Hspa4(-8646)</i>	N/A
Chr11	53351806	53351925	Chr11.18393	<i>Afh(+1033),Leap2(+71304)</i>	N/A
Chr11	53352305	53352479	Chr11.18396	<i>Afh(+1559),Leap2(+70718)</i>	N/A
Chr11	53420237	53420463	Chr11.18499	<i>Leap2(+2820),Afh(+69517)</i>	N/A
Chr11	53425819	53425928	Chr11.18526	<i>Leap2(-2704)</i>	N/A
Chr11	53441965	53442090	Chr11.18583	<i>Gdf9(+8729),Gm10447(+15082)</i>	N/A
Chr11	53469449	53469602	Chr11.18635	<i>Gm8837(+453)</i>	N/A
Chr11	53475736	53475890	Chr11.18644	<i>Gm8945(+453)</i>	N/A
Chr11	53495572	53495784	Chr11.18697	<i>Sep8(-24122),Sowahc(-15483)</i>	N/A

Chr11	53505160	53505313	Chr11.48699	<i>Sowaha(-25042), Sept6(-14563)</i>	N/A
Chr11	53520945	53521044	Chr11.48709	<i>Klf3a(-46384), Sept6(-1195)</i>	N/A
Chr11	53525580	53525758	Chr11.48720	<i>Klf3a(-41710), Sept6(-5089)</i>	N/A
Chr11	53529266	53529462	Chr11.48728	<i>Klf3a(-38015), Sept6(-9564)</i>	N/A
Chr11	53549243	53549367	Chr11.48800	<i>Klf3a(-18074), Sept6(-29505)</i>	N/A
Chr11	53590593	53590750	Chr11.48848	<i>Klf3a(-23293), Il4(+27997)</i>	N/A
Chr11	53604115	53604220	Chr11.48887	<i>Il4(+14501), Klf3a(+36789)</i>	N/A
Chr11	53605621	53606056	Chr11.48888	<i>Il4(+12830), Klf3a(+38460)</i>	N/A
Chr11	53609911	536110084	Chr11.48892	<i>Il4(+8671), Klf3a(+42619)</i>	N/A
Chr11	53617299	53617467	Chr11.48903	<i>Il4(+1286), Klf3a(+85004)</i>	N/A
Chr11	53617629	53617738	Chr11.48905	<i>Il4(+985)</i>	N/A
Chr11	53626850	53627156	Chr11.48917	<i>Il4(-8334), Il13(+7699)</i>	N/A
Chr11	53769879	53769988	Chr11.49052	<i>Ilf1(-80)</i>	N/A
Chr11	53794958	53795136	Chr11.49110	<i>Ilf1(+25032), Gm12216(+64210)</i>	N/A
Chr11	53840231	53840355	Chr11.49144	<i>Gm12216(-18953), Ilf1(+70279)</i>	N/A
Chr11	53853800	53853967	Chr11.49155	<i>Gm12216(+5372), Ilf1(+83870)</i>	N/A
Chr11	53871977	53872129	Chr11.49202	<i>Gm12216(-12797), Slc22a5(+19607)</i>	N/A
Chr11	54060495	54060632	Chr11.49414	<i>Slc22a4(-32474), Pdlim4(+8450)</i>	N/A
Chr11	54062625	54062726	Chr11.49419	<i>Slc22a4(-34586), Pdlim4(+6338)</i>	N/A
Chr11	54065939	54066096	Chr11.49426	<i>Slc22a4(-37928), Pdlim4(+2996)</i>	N/A
Chr11	54067715	54067827	Chr11.49432	<i>Slc22a4(-39681), Pdlim4(+1243)</i>	N/A
Chr11	54071821	54071966	Chr11.49441	<i>Pdlim4(-2880)</i>	N/A
Chr11	54073254	54073390	Chr11.49447	<i>Pdlim4(-4308)</i>	N/A
Chr11	54103169	54103357	Chr11.49461	<i>P4ha2(+2300), Csf2(+146404)</i>	N/A
Chr11	54107267	54107560	Chr11.49465	<i>P4ha2(+6451), Csf2(+142253)</i>	N/A
Chr11	54214590	54214701	Chr11.49539	<i>Csf2(+35021), P4ha2(+13663)</i>	N/A
Chr11	54214781	54214901	Chr11.49540	<i>Csf2(+34836), P4ha2(+113868)</i>	N/A
Chr11	54249551	54249838	Chr11.49585	<i>Csf2(-28)</i>	N/A
Chr11	54312063	54312305	Chr11.49631	<i>Meikin(-58468), Acsf6(+7982)</i>	N/A
Chr11	54315027	54315171	Chr11.49643	<i>Meikin(-55553), Acsf6(+10897)</i>	N/A
Chr11	54336588	54336710	Chr11.49687	<i>Meikin(-34003), Acsf6(+32447)</i>	N/A
Chr11	54438125	54438234	Chr11.49799	<i>Frnp(-19)</i>	N/A
Chr11	54568253	54568378	Chr11.49914	<i>Rapgef6(+45469), Cdc42ae2(+219359)</i>	N/A
Chr11	54596001	54596424	Chr11.49932	<i>Rapgef6(+73366), Cdc42ae2(+191462)</i>	N/A
Chr11	54596527	54596664	Chr11.49936	<i>Rapgef6(+73749), Cdc42ae2(+191079)</i>	N/A
Chr11	54596795	54597111	Chr11.49940	<i>Rapgef6(+74106), Cdc42ae2(+190722)</i>	N/A
Chr11	54687894	54688025	Chr11.50015	<i>Cdc42ae2(+99915), Rapgef6(+164913)</i>	N/A
Chr11	54735160	54735377	Chr11.50078	<i>Cdc42ae2(+52406), Rapgef6(+214242)</i>	N/A
Chr11	54754367	54754553	Chr11.50085	<i>Cdc42ae2(+33215), Rapgef6(+231613)</i>	N/A
Chr11	54902962	54903062	Chr11.50120	<i>Gpx3(+240)</i>	N/A
Chr11	54954155	54954257	Chr11.50210	<i>Trnp1(+8711), Gpx3(+51434)</i>	N/A
Chr11	54962936	54963136	Chr11.50219	<i>Trnp1(-119)</i>	N/A
Chr11	55085598	55085700	Chr11.50333	<i>Gm23a(-12466), Ccdc69(-7542)</i>	N/A
Chr11	3488138	3488340	Chr11.505	<i>Pla2g3(-45)</i>	N/A
Chr11	6444411	6444592	Chr11.5106	<i>H2afv(-59)</i>	N/A
Chr11	55336560	55336800	Chr11.51076	<i>Fat2(-116)</i>	N/A
Chr11	55365354	55365508	Chr11.51109	<i>Fat2(-28667), Sparc(+54649)</i>	N/A
Chr11	55386121	55386121	Chr11.51112	<i>Fat2(-31503), Sparc(+52013)</i>	N/A
Chr11	55383641	55383872	Chr11.51117	<i>Fat2(-47193), Sparc(+36323)</i>	N/A
Chr11	55394494	55394672	Chr11.51119	<i>Fat2(-58019), Sparc(+25497)</i>	N/A
Chr11	55418241	55418345	Chr11.51159	<i>Fat2(-81729), Sparc(+1787)</i>	N/A
Chr11	6468330	6468444	Chr11.5116	<i>H2afv(-23944), Purb(+7689)</i>	N/A
Chr11	55425018	55425126	Chr11.51174	<i>Sparc(-4992)</i>	N/A
Chr11	55438198	55438358	Chr11.51183	<i>Sparc(-18198), Atox1(+22961)</i>	N/A
Chr11	55469265	55469466	Chr11.51199	<i>G3bp1(-319)</i>	N/A
Chr11	55469522	55469624	Chr11.51205	<i>G3bp1(-112)</i>	N/A
Chr11	6469998	6470526	Chr11.5121	<i>H2afv(-25819), Purb(+5814)</i>	N/A
Chr11	55469653	55469804	Chr11.51210	<i>G3bp1(+44)</i>	N/A
Chr11	55500593	55500696	Chr11.51243	<i>G3bp1(+30959), Gria1(+107554)</i>	N/A
Chr11	6477096	6471394	Chr11.5125	<i>H2afv(-26602), Purb(+6031)</i>	N/A
Chr11	55606065	55606208	Chr11.51345	<i>Gria1(+2061), G3bp1(+136452)</i>	N/A
Chr11	6471860	6472340	Chr11.5135	<i>H2afv(-27657), Purb(+3976)</i>	N/A
Chr11	55607907	55608016	Chr11.51357	<i>Gria1(+236)</i>	N/A
Chr11	6472414	6472820	Chr11.5137	<i>H2afv(-28174), Purb(+3459)</i>	N/A
Chr11	64732073	6473172	Chr11.5139	<i>H2afv(-28680), Purb(+2953)</i>	N/A
Chr11	6473261	6474097	Chr11.5140	<i>H2afv(-29236), Purb(+2397)</i>	N/A
Chr11	55905881	55906866	Chr11.51566	<i>Gria1(-300436), Nmur2(+132376)</i>	N/A
Chr11	6481751	6481883	Chr11.5162	<i>Purb(-5741), Myo1g(+39141)</i>	N/A
Chr11	55974454	55974568	Chr11.51621	<i>Gria1(-366313), Nmur2(+66499)</i>	N/A
Chr11	56247141	56247311	Chr11.51788	<i>Gria1(-764584), Nmur2(-269216)</i>	N/A
Chr11	56550534	56550704	Chr11.51917	<i>Nmur2(-509690), Gria1(-61195)</i>	N/A
Chr11	56763121	56763220	Chr11.52067	<i>Nmur2(-722161), Gria1(-248639)</i>	N/A
Chr11	56957806	56958016	Chr11.52212	<i>Nmur2(-916901), Gria1(-53899)</i>	N/A
Chr11	57005387	57005490	Chr11.52240	<i>Nmur2(-964429), Gria1(-6371)</i>	N/A
Chr11	57056242	57056433	Chr11.52309	<i>Gria1(+44528), Famm114a2(+462265)</i>	N/A
Chr11	57174203	57174455	Chr11.52398	<i>Gria1(+162519), Famm114a2(+344274)</i>	N/A
Chr11	57232908	57233056	Chr11.52462	<i>Gria1(+221172), Famm114a2(+285621)</i>	N/A
Chr11	57298220	57298544	Chr11.52553	<i>Famm114a2(+220221), Gria1(+286572)</i>	N/A
Chr11	57404229	57404381	Chr11.52652	<i>Famm114a2(+114298), Gria1(+392495)</i>	N/A
Chr11	57531747	57531977	Chr11.52815	<i>Gaint10(-113580), Mfap3(+13175)</i>	N/A
Chr11	57565536	57565680	Chr11.52846	<i>Gaint10(-78734), Mfap3(+88021)</i>	N/A
Chr11	57569528	57567043	Chr11.52851	<i>Gaint10(-78458), Mfap3(+46299)</i>	N/A
Chr11	57573820	57573938	Chr11.52854	<i>Gaint10(-71563), Mfap3(+55192)</i>	N/A
Chr11	57583087	57583235	Chr11.52858	<i>Gaint10(-62281), Mfap3(+64474)</i>	N/A
Chr11	57583268	57583384	Chr11.52867	<i>Gaint10(-62116), Mfap3(+64639)</i>	N/A
Chr11	57587864	57588050	Chr11.52860	<i>Gaint10(-57485), Mfap3(+69270)</i>	N/A
Chr11	57608079	57601025	Chr11.52873	<i>Gaint10(-44490), Mfap3(+62655)</i>	N/A
Chr11	57624362	57624543	Chr11.52885	<i>Gaint10(-20699), Mfap3(+105766)</i>	N/A
Chr11	57645384	57645497	Chr11.52899	<i>Gaint10(-1)</i>	N/A
Chr11	57648165	57648360	Chr11.52910	<i>Sap30(-153374), Gaint10(+2821)</i>	N/A
Chr11	57649103	57649212	Chr11.52920	<i>Sap30(-152479), Gaint10(+3716)</i>	N/A
Chr11	57651498	57651687	Chr11.52928	<i>Sap30(-150054), Gaint10(+6141)</i>	N/A
Chr11	57651448	57654272	Chr11.52931	<i>Sap30(-147427), Gaint10(+6768)</i>	N/A
Chr11	57683833	57683947	Chr11.52944	<i>Sap30(-117747), Gaint10(+38448)</i>	N/A
Chr11	57684038	57684150	Chr11.52946	<i>Sap30(-117543), Gaint10(+38652)</i>	N/A
Chr11	57696470	57696828	Chr11.52969	<i>Sap30(-104988), Gaint10(+51207)</i>	N/A
Chr11	57719871	57719934	Chr11.52977	<i>Sap30(-81834), Gaint10(+74361)</i>	N/A
Chr11	65280535	65281683	Chr11.5298	<i>Cnrb(-18788), Myo1g(-7141)</i>	N/A
Chr11	57727460	57727624	Chr11.52988	<i>Sap30(-74095), Gaint10(+82100)</i>	N/A
Chr11	57739632	57739795	Chr11.53004	<i>Sap30(-61923), Gaint10(+94272)</i>	N/A
Chr11	57747823	57747951	Chr11.53012	<i>Sap30(-53750), Gaint10(+102445)</i>	N/A
Chr11	57760645	57760788	Chr11.53023	<i>Sap30(-40920), Gaint10(+115278)</i>	N/A
Chr11	57787410	57787508	Chr11.53079	<i>Sap30(-141777), Gaint10(+142018)</i>	N/A
Chr11	57802909	57803047	Chr11.53086	<i>Sap30(-1341), Hand1(+29169)</i>	N/A
Chr11	57803843	57803971	Chr11.53089	<i>Sap30(+2270), Hand1(+28240)</i>	N/A
Chr11	57827702	57827810	Chr11.53127	<i>Hand1(+4391), Sap30(+26119)</i>	N/A
Chr11	57833726	57833844	Chr11.53154	<i>Hand1(-1638)</i>	N/A
Chr11	57837017	57837308	Chr11.53157	<i>Larp1(-171901), Hand1(-5016)</i>	N/A
Chr11	57864780	57864972	Chr11.53190	<i>Larp1(-144188), Hand1(-32729)</i>	N/A
Chr11	57866341	57866488	Chr11.53192	<i>Larp1(-142649), Hand1(-34268)</i>	N/A
Chr11	57883050	57883394	Chr11.53199	<i>Larp1(-125842), Hand1(-51075)</i>	N/A
Chr11	57886181	57886433	Chr11.53203	<i>Larp1(-122757), Hand1(-54160)</i>	N/A
Chr11	57904386	57904514	Chr11.53211	<i>Larp1(-104614), Hand1(-72303)</i>	N/A
Chr11	57916518	57916646	Chr11.53225	<i>Larp1(-92482), Hand1(-84433)</i>	N/A
Chr11	57979747	57979928	Chr11.53242	<i>Hand1(-147691), Larp1(-29226)</i>	N/A
Chr11	58010462	58010787	Chr11.53254	<i>Cnrb(-93604), Larp1(+1561)</i>	N/A
Chr11	58011154	58011375	Chr11.53258	<i>Cnrb(-92964), Larp1(+2201)</i>	N/A
Chr11	58331276	58331419	Chr11.53663	<i>Gm9900(-1009), Sh3bp5(+624)</i>	N/A
Chr11	58953998	58954401	Chr11.53991	<i>H2aw(-485)</i>	N/A
Chr11	59042658	59043117	Chr11.54512	<i>Trim11(+64622), Obscn(+83337)</i>	N/A
Chr11	59056909	59057028	Chr11.54607	<i>Trim11(-78853), Obscn(+79406)</i>	N/A
Chr11	59078996	59079162	Chr11.54981	<i>Obscn(+57290), Trim11(+100963)</i>	N/A
Chr11	59138704	59138822	Chr11.55332	<i>Obscn(-2388)</i>	N/A
Chr11	59244035	59244134	Chr11.55496	<i>Arf1(-15923), Wnt3a(+46667)</i>	N/A
Chr11	59264103	59264578	Chr11.55520	<i>Arf1(-36179), Wnt3a(+26411)</i>	N/A
Chr11	59269400	59269545	Chr11.55528	<i>Arf1(-38311), Wnt3a(+24278)</i>	N/A
Chr11	59284302	59284477	Chr11.55542	<i>Arf1(-56228), Wnt3a(+6363)</i>	N/A
Chr11	59289390	59289500	Chr11.55550	<i>Arf1(-61283), Wnt3a(+1307)</i>	N/A
Chr11	59303199	59303343	Chr11.55554	<i>Wnt9a(-3659)</i>	N/A
Chr11	59307398	59307509	Chr11.55557	<i>Wnt9a(+524)</i>	N/A
Chr11	59307983	59308139	Chr11.55560	<i>Wnt9a(+1131), Prss38(+67596)</i>	N/A
Chr11	59312202	59312310	Chr11.55564	<i>Wnt9a(+5326), Prss38(+63401)</i>	N/A
Chr11	59313467	59313628	Chr11.55567	<i>Wnt9a(+6616), Prss38(+62109)</i>	N/A
Chr11	59329791	59329914	Chr11.55599	<i>Wnt9a(+22923), Prss38(+45804)</i>	N/A
Chr11	59333396	59333544	Chr11.55633	<i>Wnt9a(+26540), Prss38(+42187)</i>	N/A
Chr11	59356956	59357098	Chr11.55634	<i>Prss38(+18630), Wnt9a(+50097)</i>	N/A
Chr11	59364121	59364247	Chr11.55637	<i>Prss38(+11473), Wnt9a(+57254)</i>	N/A
Chr11	59412088	59412243	Chr11.55672	<i>Prss38(-36500), Snap47(-37833)</i>	N/A

Chr11	59413249	59413421	Chr11.55674	Prss38(-37678),Snap47(+36664)	N/A
Chr11	5964765	59664971	Chr11.55929	Mprp(-2373),Ptd6(+122774)	N/A
Chr11	5967185	59671283	Chr11.55935	Mprp(+8744),Ptd6(+116403)	N/A
Chr11	59708026	59703159	Chr11.55951	Mprp(+45589),Ptd6(+79549)	N/A
Chr11	59737300	59737590	Chr11.55978	Ptd6(+50197),Mprp(+74950)	N/A
Chr11	7780724	7780999	Chr11.5619	Igfbp3(-566965),Tns3(+883673)	N/A
Chr11	59780695	59780865	Chr11.56203	Ptd6(+6862),Mprp(+118285)	N/A
Chr11	60106501	60106672	Chr11.56382	Rai1(+1574),Sreb1(+114017)	N/A
Chr11	60112882	60113106	Chr11.56385	Rai1(+8031),Sreb1(+107560)	N/A
Chr11	60113778	60113921	Chr11.56388	Rai1(+8837),Sreb1(+106754)	N/A
Chr11	60114389	60114520	Chr11.56392	Rai1(+9442),Sreb1(+106149)	N/A
Chr11	60140743	60140850	Chr11.56406	Rai1(+35784),Sreb1(+79807)	N/A
Chr11	60149077	60149227	Chr11.56421	Rai1(+44139),Sreb1(+71452)	N/A
Chr11	60155012	60155126	Chr11.56430	Rai1(+50058),Sreb1(+65533)	N/A
Chr11	60155454	60155645	Chr11.56433	Rai1(+50537),Sreb1(+65054)	N/A
Chr11	60169436	60169564	Chr11.56453	Sreb1(+51104),Rai1(+64487)	N/A
Chr11	60177173	60177339	Chr11.56457	Sreb1(+43348),Rai1(+72243)	N/A
Chr11	60177428	60177545	Chr11.56459	Sreb1(+43117),Rai1(+72474)	N/A
Chr11	60182928	60183055	Chr11.56462	Sreb1(+37612),Rai1(+77979)	N/A
Chr11	60239024	60239122	Chr11.56786	Sreb1(-19459),Tom112(+113842)	N/A
Chr11	60256519	60256753	Chr11.56808	Sreb1(-36032),Tom112(+96269)	N/A
Chr11	60286376	60286503	Chr11.56856	Sreb1(-65836),Tom112(+66465)	N/A
Chr11	60294381	60294654	Chr11.56866	Sreb1(-73914),Tom112(+58387)	N/A
Chr11	60300451	60300582	Chr11.56872	Sreb1(-79913),Tom112(+52388)	N/A
Chr11	60301443	60301561	Chr11.56874	Sreb1(-80898),Tom112(+51403)	N/A
Chr11	60307400	60307536	Chr11.56882	Sreb1(-86846),Tom112(+54537)	N/A
Chr11	60316291	60316547	Chr11.56893	Sreb1(-95815),Tom112(+36486)	N/A
Chr11	60320015	60320228	Chr11.56896	Sreb1(-99518),Tom112(+32783)	N/A
Chr11	60320623	60320776	Chr11.56907	Sreb1(-100096),Tom112(+32205)	N/A
Chr11	60353251	60353390	Chr11.56922	Tom112(-416),Drc3(-8)	N/A
Chr11	60480588	60480731	Chr11.57151	Alkbh5(-57328),Myo15(+11311)	N/A
Chr11	60537465	60537571	Chr11.57410	Alkbh5(-469)	N/A
Chr11	60537879	60537990	Chr11.57417	Alkbh5(-43)	N/A
Chr11	60555054	60555229	Chr11.57451	Ligl1(-144581),Alkbh5(+17164)	N/A
Chr11	60703267	60703369	Chr11.57463	Ligl1(+3595),Flii(+23945)	N/A
Chr11	60777504	60777611	Chr11.57915	Top3a(-193),Smcr8(+33)	N/A
Chr11	60817640	60817739	Chr11.58072	Dhrs7b(-12941),Smr1(+6425)	N/A
Chr11	60864625	60864761	Chr11.58127	Tnrm11(+14579),Dhrs7b(+34062)	N/A
Chr11	60875846	60876042	Chr11.58138	Tnrm11(+3328),Dhrs7b(+45313)	N/A
Chr11	60933645	60933745	Chr11.58153	Kcnp12(-132109),Map2k3(+1662)	N/A
Chr11	8622890	8623005	Chr11.5817	Tns3(+41587)	N/A
Chr11	8623051	8623183	Chr11.5819	Tns3(+41418)	N/A
Chr11	86101709	86101780	Chr11.58214	Kcnp12(-48509),Map2k3(+85162)	N/A
Chr11	8656918	8657055	Chr11.5822	Tns3(+7548)	N/A
Chr11	8811829	8811935	Chr11.5828	Tns3(-147347),Pkd11(+161384)	N/A
Chr11	8811964	8812075	Chr11.5830	Tns3(-147485),Pkd11(+161246)	N/A
Chr11	8871776	8871883	Chr11.5855	Tns3(-207295),Pkd11(+101436)	N/A
Chr11	81454021	81454202	Chr11.58662	Rrf112(-107)	N/A
Chr11	81485379	81485488	Chr11.58667	Mlap4(+3)	N/A
Chr11	81930057	81930227	Chr11.59235	Akap10(+110)	N/A
Chr11	82024355	82024490	Chr11.59253	Akap10(-94171),Spec1(-52601)	N/A
Chr11	82062391	82062529	Chr11.59268	Akap10(-132208),Spec1(-14564)	N/A
Chr11	8950432	8950533	Chr11.5928	Tns3(-285948),Pkd11(+22783)	N/A
Chr11	8958947	8958986	Chr11.5937	Tns3(-294362),Pkd11(+14349)	N/A
Chr11	82138009	82138149	Chr11.59373	Adora2b(-110905),Spec1(+61055)	N/A
Chr11	82251205	82251320	Chr11.59426	Adora2b(+2279),Zswim7(+30112)	N/A
Chr11	82494961	82495069	Chr11.59690	Pigl(+36555),Cenpv(+44246)	N/A
Chr11	82524951	82525074	Chr11.59710	Cenpv(+14248),Pigl(+66553)	N/A
Chr11	82551062	82551256	Chr11.59729	Ubb(-12)	N/A
Chr11	82911343	82911567	Chr11.60109	Cdr4(-39738),Tup23b(-32000)	N/A
Chr11	82997869	82997995	Chr11.60149	Tekt3(-63722),Cdr4(+46739)	N/A
Chr11	83004062	83004196	Chr11.60153	Tekt3(-57525),Cdr4(+52936)	N/A
Chr11	83039996	83040232	Chr11.60175	Tekt3(-21540),Cdr4(+88921)	N/A
Chr11	83096960	83096959	Chr11.60244	Pmp22(-32972),Tekt3(-34356)	N/A
Chr11	83096242	83096471	Chr11.60245	Pmp22(-32825),Tekt3(-34703)	N/A
Chr11	83115410	83115530	Chr11.60247	Pmp22(-13512),Tekt3(+53816)	N/A
Chr11	83131403	83131576	Chr11.60265	Pmp22(+2508),Hs3st3b1(+790800)	N/A
Chr11	83234917	83235076	Chr11.60340	Pmp22(+106015),Hs3st3b1(+687293)	N/A
Chr11	83246327	83246480	Chr11.60348	Pmp22(+117422),Hs3st3b1(+678886)	N/A
Chr11	83250291	83250468	Chr11.60356	Pmp22(+121408),Hs3st3b1(+671900)	N/A
Chr11	83253357	83253395	Chr11.60364	Pmp22(+124344),Hs3st3b1(+668964)	N/A
Chr11	83271198	83271358	Chr11.60372	Pmp22(+142296),Hs3st3b1(+651012)	N/A
Chr11	83300006	83300111	Chr11.60383	Pmp22(+171077),Hs3st3b1(+622231)	N/A
Chr11	83300144	83300262	Chr11.60386	Pmp22(+171221),Hs3st3b1(+622087)	N/A
Chr11	83326914	83327223	Chr11.60399	Pmp22(+198087),Hs3st3b1(+595221)	N/A
Chr11	83413291	83413228	Chr11.60459	Pmp22(-283178),Hs3st3b1(+510130)	N/A
Chr11	83412355	83412677	Chr11.60460	Pmp22(-283534),Hs3st3b1(+509774)	N/A
Chr11	83455090	83455523	Chr11.60498	Pmp22(+326325),Hs3st3b1(+466983)	N/A
Chr11	83463964	83464259	Chr11.60509	Pmp22(+335130),Hs3st3b1(+458178)	N/A
Chr11	83518833	83519164	Chr11.60524	Pmp22(+390017),Hs3st3b1(+403291)	N/A
Chr11	83525700	83525897	Chr11.60532	Hs3st3b1(-396491),Pmp22(+396817)	N/A
Chr11	83545709	83545849	Chr11.60561	Hs3st3b1(+378511),Pmp22(+16797)	N/A
Chr11	83570137	83570358	Chr11.60568	Hs3st3b1(+352042),Pmp22(+441266)	N/A
Chr11	83711811	83712128	Chr11.60663	Hs3st3b1(+210320),Pmp22(+582988)	N/A
Chr11	83753225	83753338	Chr11.60688	Hs3st3b1(+169008),Pmp22(+624300)	N/A
Chr11	83785386	83785498	Chr11.60722	Hs3st3b1(+136484),Pmp22(+656460)	N/A
Chr11	83844639	83844606	Chr11.60749	Hs3st3b1(+77767),Pmp22(+71551)	N/A
Chr11	83898251	83898357	Chr11.60803	Hs3st3b1(+23986),Pmp22(+769322)	N/A
Chr11	9191777	9191881	Chr11.6081	Abca13(-113)	N/A
Chr11	83907160	83907260	Chr11.60812	Hs3st3b1(+15080),Pmp22(+778228)	N/A
Chr11	83915783	83915887	Chr11.60825	Hs3st3b1(+6455),Pmp22(+786853)	N/A
Chr11	83922207	83922340	Chr11.60841	Hs3st3b1(+16)	N/A
Chr11	83952545	83952949	Chr11.60856	Hs3st3b1(-30457),Cox10(-126719)	N/A
Chr11	84022841	84023030	Chr11.60968	Hs3st3b1(-100646),Cox10(+56530)	N/A
Chr11	84023592	84023722	Chr11.60971	Hs3st3b1(-101367),Cox10(+55809)	N/A
Chr11	84024575	84024723	Chr11.60976	Hs3st3b1(-102359),Cox10(+54817)	N/A
Chr11	84037157	84037339	Chr11.60990	Hs3st3b1(-114958),Cox10(+42218)	N/A
Chr11	84091430	84091645	Chr11.6107	Hs3st3b1(-343794),Cox10(-13072)	N/A
Chr11	84135273	84135392	Chr11.61095	Hs3st3b1(-299999),Cox10(-55867)	N/A
Chr11	84168727	84168835	Chr11.61127	Hs3st3b1(-266551),Cox10(-89315)	N/A
Chr11	84396237	84396397	Chr11.61300	Cox10(-316851),Hs3st3a1(-39015)	N/A
Chr11	84400461	84400635	Chr11.61307	Cox10(-321082),Hs3st3a1(-34784)	N/A
Chr11	84400682	84400851	Chr11.61311	Cox10(-321307),Hs3st3a1(-34565)	N/A
Chr11	84437881	84437981	Chr11.61339	Elac2(-641207),Hs3st3a1(+2499)	N/A
Chr11	84442747	84442847	Chr11.61361	Elac2(-536241),Hs3st3a1(+7465)	N/A
Chr11	84485488	84485589	Chr11.61410	Elac2(-493499),Hs3st3a1(+50207)	N/A
Chr11	84542741	84542891	Chr11.61466	Elac2(-436222),Hs3st3a1(+107484)	N/A
Chr11	84549476	84549803	Chr11.61472	Elac2(-429398),Hs3st3a1(+114308)	N/A
Chr11	84581144	84588863	Chr11.61497	Elac2(-390344),Hs3st3a1(+153172)	N/A
Chr11	84650696	84651025	Chr11.61551	Elac2(-328177),Hs3st3a1(+216509)	N/A
Chr11	84671979	84672128	Chr11.61570	Elac2(-306984),Hs3st3a1(+236722)	N/A
Chr11	84673407	84673670	Chr11.61574	Elac2(-305499),Hs3st3a1(+238207)	N/A
Chr11	84673707	84673826	Chr11.61576	Elac2(-305221),Hs3st3a1(+238485)	N/A
Chr11	84723318	84723447	Chr11.61603	Elac2(-258655),Hs3st3a1(+288051)	N/A
Chr11	84728137	84728243	Chr11.61611	Elac2(-350848),Hs3st3a1(+292658)	N/A
Chr11	84738386	84738603	Chr11.61619	Elac2(-240543),Hs3st3a1(+303163)	N/A
Chr11	84753571	84753845	Chr11.61642	Elac2(-225330),Hs3st3a1(+318376)	N/A
Chr11	84763004	84763112	Chr11.61650	Elac2(-215980),Hs3st3a1(+327726)	N/A
Chr11	84770842	84771014	Chr11.61661	Elac2(-208110),Hs3st3a1(+335596)	N/A
Chr11	84771790	84771897	Chr11.61670	Elac2(-207149),Hs3st3a1(+336557)	N/A
Chr11	84800327	84800467	Chr11.61671	Elac2(-17841),Hs3st3a1(+365065)	N/A
Chr11	84800504	84800761	Chr11.61674	Elac2(-178405),Hs3st3a1(+365301)	N/A
Chr11	84800844	84801125	Chr11.61676	Elac2(-178053),Hs3st3a1(+365653)	N/A
Chr11	84811618	84812001	Chr11.61682	Elac2(-167228),Hs3st3a1(+376478)	N/A
Chr11	84833835	84834020	Chr11.61688	Elac2(-145710),Hs3st3a1(+398596)	N/A
Chr11	84842820	84843059	Chr11.61699	Elac2(-136098),Hs3st3a1(+407698)	N/A
Chr11	84861489	84861618	Chr11.61713	Elac2(-117484),Hs3st3a1(+426222)	N/A
Chr11	84955135	84955257	Chr11.61792	Elac2(-23842),Hs3st3a1(+519864)	N/A
Chr11	84957321	84957468	Chr11.61796	Elac2(-21643),Hs3st3a1(+522063)	N/A
Chr11	85161194	85161376	Chr11.62022	1700086d15rk(-1395)	N/A
Chr11	85161733	85161833	Chr11.62028	1700086d15rk(-1893)	N/A
Chr11	85209604	85209714	Chr11.62161	Arhgap44(-46698),Myocd(+60330)	N/A
Chr11	85226748	85226936	Chr11.62186	Arhgap44(-63881),Myocd(+43147)	N/A
Chr11	85269979	85270080	Chr11.62218	Myocd(-41)	N/A
Chr11	85358895	85359005	Chr11.62288	Myocd(-88961),Map2k4(+429347)	N/A
Chr11	85361265	85361381	Chr11.62289	Myocd(-91334),Map2k4(+426974)	N/A
Chr11	85475984	85476251	Chr11.62362	Myocd(-208134),Map2k4(+312174)	N/A
Chr11	85495077	85495184	Chr11.62384	Myocd(-225142),Map2k4(+293166)	N/A

Chr11	65558249	65558368	Chr11.62434	Myocd(-288320),Map2k4(+229988)	N/A
Chr11	3504738	3504869	Chr11.625	Inpp5(+17)	N/A
Chr11	65734618	65734996	Chr11.62550	Myocd(-464818),Map2k4(+53490)	N/A
Chr11	66418855	66418815	Chr11.63412	Dnah9(-250217),Shisa6(+107214)	N/A
Chr11	66447860	66447984	Chr11.63423	Dnah9(-279389),Shisa6(+78042)	N/A
Chr11	66606599	66606739	Chr11.63524	Pirt(-305312),Shisa6(-80705)	N/A
Chr11	66911934	66912068	Chr11.63653	Pirt(+20)	N/A
Chr11	67125567	67125755	Chr11.64050	Myh2(-45366),Myh3(+47361)	N/A
Chr11	67141766	67141865	Chr11.64070	Myh2(-29211),Myh3(+53516)	N/A
Chr11	67163698	67163825	Chr11.64081	Myh2(-7265),Myh3(+85463)	N/A
Chr11	67266311	67266418	Chr11.64618	Myh8(-10759),Myh4(+28336)	N/A
Chr11	67455541	67455779	Chr11.65103	Gas7(-130876),Myh13(+134002)	N/A
Chr11	67482501	67482677	Chr11.65116	Gas7(-103947),Myh13(+160931)	N/A
Chr11	67515342	67515627	Chr11.65131	Gas7(-71101),Myh13(+193777)	N/A
Chr11	67515594	67515833	Chr11.65136	Gas7(-70822),Myh13(+194056)	N/A
Chr11	67526783	67526939	Chr11.65156	Gas7(-59675),Myh13(+205203)	N/A
Chr11	67527363	67527470	Chr11.65162	Gas7(-59119),Myh13(+205759)	N/A
Chr11	67569886	67569161	Chr11.65176	Gas7(-17462),Myh13(+247416)	N/A
Chr11	67586230	67586643	Chr11.65191	Gas7(-99)	N/A
Chr11	67636952	67637112	Chr11.65223	Rcvrn(-58274),Gas7(-150516)	N/A
Chr11	67653209	67653359	Chr11.65234	Rcvrn(-42046),Gas7(+66744)	N/A
Chr11	3516823	3516925	Chr11.653	Selenom(+2007),Smtm(+22418)	N/A
Chr11	3516999	3517124	Chr11.656	Selenom(+2195),Smtm(+22230)	N/A
Chr11	68019001	68019117	Chr11.65666	Stx8(+52866),Ntn1(+381764)	N/A
Chr11	68036506	68036767	Chr11.65679	Stx8(+70444),Ntn1(+364186)	N/A
Chr11	68036806	68036956	Chr11.65683	Stx8(+70685),Ntn1(+363945)	N/A
Chr11	68044094	68044538	Chr11.65687	Stx8(+78123),Ntn1(+356507)	N/A
Chr11	68049549	68049703	Chr11.65699	Stx8(+83433),Ntn1(+351197)	N/A
Chr11	68050716	68051024	Chr11.65707	Stx8(+84677),Ntn1(+349953)	N/A
Chr11	68063371	68063520	Chr11.65728	Stx8(+97253),Ntn1(+337377)	N/A
Chr11	68072945	68073157	Chr11.65741	Stx8(+106848),Ntn1(+327782)	N/A
Chr11	68114136	68114309	Chr11.65768	Stx8(+148030),Ntn1(+266500)	N/A
Chr11	68144730	68145164	Chr11.65804	Stx8(+178754),Ntn1(+255876)	N/A
Chr11	68145401	68145578	Chr11.65813	Stx8(+179297),Ntn1(+255333)	N/A
Chr11	68145799	68146031	Chr11.65818	Stx8(+179722),Ntn1(+254908)	N/A
Chr11	68146066	68146395	Chr11.65820	Stx8(+180038),Ntn1(+254592)	N/A
Chr11	68146623	68146792	Chr11.65826	Stx8(+180515),Ntn1(+254115)	N/A
Chr11	68150850	68151472	Chr11.65835	Stx8(+184968),Ntn1(+249662)	N/A
Chr11	68177822	68177972	Chr11.65856	Stx8(+211704),Ntn1(+222926)	N/A
Chr11	68187706	68187976	Chr11.65873	Ntn1(+212982),Stx8(+221648)	N/A
Chr11	68188025	68188181	Chr11.65877	Ntn1(+212720),Stx8(+221910)	N/A
Chr11	68188218	68188374	Chr11.65879	Ntn1(+212527),Stx8(+222103)	N/A
Chr11	68194896	68195108	Chr11.65887	Ntn1(+205822),Stx8(+228908)	N/A
Chr11	68199673	68199850	Chr11.65902	Ntn1(+201061),Stx8(+233569)	N/A
Chr11	68205910	68206068	Chr11.65917	Ntn1(+194834),Stx8(+239796)	N/A
Chr11	68208658	68208804	Chr11.65922	Ntn1(+192092),Stx8(+242538)	N/A
Chr11	68212064	68212229	Chr11.65928	Ntn1(+188676),Stx8(+245954)	N/A
Chr11	68215136	68215320	Chr11.65934	Ntn1(+185570),Stx8(+249060)	N/A
Chr11	68215354	68215476	Chr11.65935	Ntn1(+185408),Stx8(+249222)	N/A
Chr11	68216143	68216307	Chr11.65937	Ntn1(+184598),Stx8(+250032)	N/A
Chr11	68218594	68218699	Chr11.65946	Ntn1(+182176),Stx8(+252454)	N/A
Chr11	68220895	68221056	Chr11.65950	Ntn1(+179847),Stx8(+254783)	N/A
Chr11	68226848	68227128	Chr11.65963	Ntn1(+173835),Stx8(+260795)	N/A
Chr11	68233529	68233668	Chr11.65969	Ntn1(+16724),Stx8(+267406)	N/A
Chr11	68233717	68233876	Chr11.65972	Ntn1(+167026),Stx8(+267604)	N/A
Chr11	68239914	68240061	Chr11.65976	Ntn1(+160835),Stx8(+273795)	N/A
Chr11	68244319	68244585	Chr11.65980	Ntn1(+156371),Stx8(+278259)	N/A
Chr11	68248051	68248151	Chr11.65985	Ntn1(+152722),Stx8(+281908)	N/A
Chr11	68254521	68254627	Chr11.66006	Ntn1(+136249),Stx8(+298381)	N/A
Chr11	68274259	68274572	Chr11.66020	Ntn1(+126407),Stx8(+308223)	N/A
Chr11	68280683	68280864	Chr11.66038	Ntn1(+120049),Stx8(+314581)	N/A
Chr11	68280924	68281077	Chr11.66042	Ntn1(+119822),Stx8(+314808)	N/A
Chr11	68285838	68286027	Chr11.66046	Ntn1(+114890),Stx8(+319740)	N/A
Chr11	68290688	68290834	Chr11.66056	Ntn1(+110072),Stx8(+324558)	N/A
Chr11	68341294	68341684	Chr11.66108	Ntn1(+98344),Stx8(+325266)	N/A
Chr11	68342075	68342210	Chr11.66115	Ntn1(+586860),Stx8(+375950)	N/A
Chr11	68348189	68348314	Chr11.66128	Ntn1(+52571),Stx8(+382059)	N/A
Chr11	68374126	68374250	Chr11.66152	Ntn1(+26635),Stx8(+407995)	N/A
Chr11	68379083	68379478	Chr11.66158	Ntn1(+21542),Stx8(+413088)	N/A
Chr11	68399567	683998914	Chr11.66220	Ntn1(+1082),Stx8(+433548)	N/A
Chr11	68431737	68431838	Chr11.66231	Pik3r5(-333)	N/A
Chr11	68435424	68435549	Chr11.66235	Pik3r6(-67532),Pik3r5(+3366)	N/A
Chr11	68451366	68451569	Chr11.66243	Pik3r6(-51551),Pik3r5(+19347)	N/A
Chr11	68613172	68613308	Chr11.66485	Myh10(-78675),Cdc42(+26219)	N/A
Chr11	68623647	68623990	Chr11.66497	Myh10(-68096),Cdc42(+36798)	N/A
Chr11	68638014	68638508	Chr11.66503	Myh10(-53654),Cdc42(+51240)	N/A
Chr11	68644852	68644965	Chr11.66506	Myh10(-47006),Cdc42(+57888)	N/A
Chr11	68657859	68657969	Chr11.66513	Myh10(-34001),Cdc42(+70893)	N/A
Chr11	68691764	68691988	Chr11.66531	Myh10(-39)	N/A
Chr11	68692017	68692150	Chr11.66537	Myh10(+169)	N/A
Chr11	68693659	68693922	Chr11.66542	Myh10(-1878),Ndel1(+159344)	N/A
Chr11	68754209	68754513	Chr11.66582	Myh10(-62448),Ndel1(+96774)	N/A
Chr11	68815171	68815378	Chr11.66800	Ndel1(+37860),Myh10(+123360)	N/A
Chr11	68815409	68815624	Chr11.66805	Ndel1(+37618),Myh10(+123602)	N/A
Chr11	68884829	68885659	Chr11.66870	Rnf222(-54)	N/A
Chr11	68894118	68894289	Chr11.66890	Rpl26(-1431),Rnf222(+5651)	N/A
Chr11	68901539	68901665	Chr11.66896	Rpl26(-33)	N/A
Chr11	68911652	68911797	Chr11.66912	Rpl26(+10090),Odf4(+15324)	N/A
Chr11	69059635	69059745	Chr11.67322	Bares6(-85),9330160f1Onk(+793)	N/A
Chr11	69087180	69087294	Chr11.67363	Vamp2(-1253)	N/A
Chr11	69090815	69090914	Chr11.67382	Pert(-8083),Vamp2(+2375)	N/A
Chr11	69091365	69091988	Chr11.67385	Pert(-7271),Vamp2(+3187)	N/A
Chr11	69094767	69094919	Chr11.67393	Pert(-4105)	N/A
Chr11	69095036	69095135	Chr11.67399	Pert(-3862)	N/A
Chr11	69096983	69097253	Chr11.67409	Pert(-1830)	N/A
Chr11	69097653	69097777	Chr11.67411	Pert(-1233)	N/A
Chr11	69098725	69098992	Chr11.67418	Pert(-89)	N/A
Chr11	69099376	69099495	Chr11.67420	Pert(+468)	N/A
Chr11	69099953	69100150	Chr11.67424	Hes7(-20352),Pert(+1104)	N/A
Chr11	11711828	11711972	Chr11.6744	Ikzf1(+25687),Fign1(+97062)	N/A
Chr11	69109849	69109989	Chr11.67546	Hes7(-10485),Pert(+10971)	N/A
Chr11	69118962	69119179	Chr11.67554	Hes7(-1333)	N/A
Chr11	69156810	69156944	Chr11.67692	Alox12b(-112)	N/A
Chr11	69236939	69237104	Chr11.68032	Gucy2e(0)	N/A
Chr11	69267788	69267940	Chr11.68037	Gucy2e(-30842),Cntrob(+55911)	N/A
Chr11	69343254	69343409	Chr11.68176	Kcnab3(+17074),Chd3(+26074)	N/A
Chr11	69343608	69343779	Chr11.68178	Kcnab3(+17436),Chd3(+25712)	N/A
Chr11	11785566	11785800	Chr11.6823	Fign1(+23279),Ikzf1(+99470)	N/A
Chr11	69350601	69350717	Chr11.68230	Chd3(+16747),Kcnab3(+24401)	N/A
Chr11	69354950	69355037	Chr11.68316	Chd3(+4262),Kcnab3(-38980)	N/A
Chr11	69366469	69366578	Chr11.68322	Chd3(+2882),Kcnab3(+40266)	N/A
Chr11	69367118	69367118	Chr11.68323	Chd3(-2490),Kcnab3(+40658)	N/A
Chr11	69369873	69370062	Chr11.68333	Chd3(-562)	N/A
Chr11	69370142	69370305	Chr11.68335	Chd3(-818)	N/A
Chr11	69370363	69370783	Chr11.68336	Chd3(-1177)	N/A
Chr11	69370831	69370954	Chr11.68340	Chd3(-1487)	N/A
Chr11	69372093	69372296	Chr11.68344	Chd3(-2789)	N/A
Chr11	69396882	69396991	Chr11.68380	Cyb5d1(-1604),Naa38(+1290)	N/A
Chr11	69398513	69398676	Chr11.68393	Cyb5d1(-3262),Tmem88(-361)	N/A
Chr11	69398905	69399056	Chr11.68395	Cyb5d1(-3643),Tmem88(-742)	N/A
Chr11	69399370	69399543	Chr11.68399	Cyb5d1(-4124),Tmem88(-1223)	N/A
Chr11	69408248	69408408	Chr11.68479	Tmem88(-10094),Kdm6b(+5347)	N/A
Chr11	69408699	69408800	Chr11.68481	Tmem88(-10516),Kdm6b(+4925)	N/A
Chr11	69409385	69409553	Chr11.68485	Tmem88(-11235),Kdm6b(+4206)	N/A
Chr11	69409582	69409686	Chr11.68486	Tmem88(-11400),Kdm6b(+4041)	N/A
Chr11	69409836	69410101	Chr11.68487	Tmem88(-11735),Kdm6b(+3706)	N/A
Chr11	69410422	69410530	Chr11.68490	Tmem88(-12242),Kdm6b(+3199)	N/A
Chr11	69410721	69410902	Chr11.68492	Tmem88(-12578),Kdm6b(+2863)	N/A
Chr11	69410996	69411120	Chr11.68494	Tmem88(-12824),Kdm6b(+2617)	N/A
Chr11	69411240	69411349	Chr11.68496	Tmem88(-13061),Kdm6b(+2380)	N/A
Chr11	69411880	69412206	Chr11.68499	Tmem88(-13809),Kdm6b(+1632)	N/A
Chr11	69413526	69413683	Chr11.68504	Kdm6b(-70)	N/A
Chr11	69414021	69414314	Chr11.68507	Kdm6b(-493)	N/A
Chr11	69414509	69414650	Chr11.68511	Kdm6b(-905)	N/A
Chr11	69416396	69416645	Chr11.68518	Kdm6b(-2846)	N/A
Chr11	69417511	69417835	Chr11.68521	Kdm6b(-3998)	N/A
Chr11	69418116	69418309	Chr11.68526	Kdm6b(-4538)	N/A
Chr11	69420151	69420356	Chr11.68539	Kdm6b(-6579),Dnah2(+128854)	N/A

Chr11	69511048	69511204	Chr11.68882	<i>Kdm6b(-97451),Dnah2(+37982)</i>	N/A
Chr11	69517567	69517731	Chr11.68891	<i>Kdm6b(-103974),Dnah2(+31459)</i>	N/A
Chr11	69543780	69543945	Chr11.68957	<i>Kdm6b(-130788),Dnah2(+3245)</i>	N/A
Chr11	69545930	69546087	Chr11.68960	<i>Kdm6b(-132324),Dnah2(+3109)</i>	N/A
Chr11	69547400	69547517	Chr11.68962	<i>Kdm6b(-133784),Dnah2(+1649)</i>	N/A
Chr11	69548164	69548357	Chr11.68964	<i>Dnah2(+847)</i>	N/A
Chr11	69548487	69548807	Chr11.68967	<i>Dnah2(+461)</i>	N/A
Chr11	69549054	69549199	Chr11.68971	<i>Dnah2(-19)</i>	N/A
Chr11	69549344	69549493	Chr11.68975	<i>Dnah2(-311)</i>	N/A
Chr11	69552828	69552955	Chr11.68976	<i>Dnah2(-3784)</i>	N/A
Chr11	69553039	69553359	Chr11.68979	<i>Dnah2(-4091)</i>	N/A
Chr11	69553466	69553625	Chr11.68982	<i>Dnah2(-4438)</i>	N/A
Chr11	69554133	69554836	Chr11.68986	<i>Dnah2(-5377),Efnb3(+5720)</i>	N/A
Chr11	69555076	69555245	Chr11.68997	<i>Dnah2(-6053),Efnb3(+5044)</i>	N/A
Chr11	69556422	69556830	Chr11.69009	<i>Dnah2(-7418),Efnb3(+3679)</i>	N/A
Chr11	69557721	69557842	Chr11.69021	<i>Dnah2(-8674),Efnb3(+2423)</i>	N/A
Chr11	69560142	69560330	Chr11.69026	<i>Efnb3(-31)</i>	N/A
Chr11	69560895	69561058	Chr11.69031	<i>Efnb3(-772)</i>	N/A
Chr11	69561416	69561655	Chr11.69034	<i>Efnb3(-1331)</i>	N/A
Chr11	69580286	69580405	Chr11.69078	<i>Wap53(-1022),Tnp53(-13)</i>	N/A
Chr11	11831296	11831491	Chr11.69098	<i>Figf1(-22432),Ddc(+66760)</i>	N/A
Chr11	69591990	69592269	Chr11.69133	<i>Trp53(+11771),Atp1b2(+13699)</i>	N/A
Chr11	69592316	69592496	Chr11.69139	<i>Trp53(+12047),Atp1b2(+13423)</i>	N/A
Chr11	69599704	69599824	Chr11.69144	<i>Atp1b2(+6065),Trp53(+19405)</i>	N/A
Chr11	11836728	11836991	Chr11.69166	<i>Figf1(-27898),Ddc(+61284)</i>	N/A
Chr11	69604818	69604919	Chr11.69180	<i>Atp1b2(-960)</i>	N/A
Chr11	69604979	69605105	Chr11.69183	<i>Atp1b2(-787)</i>	N/A
Chr11	69605938	69606088	Chr11.69193	<i>Atp1b2(-184)</i>	N/A
Chr11	69611095	69611243	Chr11.69198	<i>Atp1b2(-5340),Shbg(+6736)</i>	N/A
Chr11	69632785	69632936	Chr11.69246	<i>Fxr2(-129)</i>	N/A
Chr11	69652601	69653237	Chr11.69299	<i>Sox15(-2365)</i>	N/A
Chr11	69669637	69669808	Chr11.69404	<i>Cd68(-3661)</i>	N/A
Chr11	69671549	69671794	Chr11.69423	<i>Elf1a1(+645)</i>	N/A
Chr11	69672270	69672430	Chr11.69426	<i>Elf1a1(-33)</i>	N/A
Chr11	69672460	69672698	Chr11.69427	<i>Elf1a1(-262)</i>	N/A
Chr11	69681837	69681748	Chr11.69454	<i>Senp3(-154)</i>	N/A
Chr11	69681882	69681988	Chr11.69456	<i>Senp3(-69)</i>	N/A
Chr11	69685478	69685635	Chr11.69476	<i>Senp3(-3711),Tnfrsf13(-3)</i>	N/A
Chr11	69685810	69685912	Chr11.69478	<i>Senp3(-4015),Tnfrsf13(-307)</i>	N/A
Chr11	69758479	69758752	Chr11.69614	<i>Poir2a(-393)</i>	N/A
Chr11	69759292	69759402	Chr11.69623	<i>Poir2a(-1124)</i>	N/A
Chr11	69760452	69760688	Chr11.69641	<i>Slc35g3(-4602),Zbtb4(+648)</i>	N/A
Chr11	69767198	69767372	Chr11.69645	<i>Zbtb4(+1363),Chmb1(-28658)</i>	N/A
Chr11	69767537	69767696	Chr11.69649	<i>Zbtb4(+1695),Chmb1(-28326)</i>	N/A
Chr11	69769981	69770105	Chr11.69653	<i>Zbtb4(+4121),Chmb1(+25900)</i>	N/A
Chr11	69800198	69800331	Chr11.69795	<i>Chmb1(-4322)</i>	N/A
Chr11	69801013	69801145	Chr11.69803	<i>Fgf11(+778)</i>	N/A
Chr11	11890384	11890495	Chr11.69881	<i>Figf1(-81478),Ddc(+7704)</i>	N/A
Chr11	69802460	69802581	Chr11.69813	<i>Fgf11(-664)</i>	N/A
Chr11	11930515	11930689	Chr11.6984	<i>Ddc(-32458),Grb10(+106799)</i>	N/A
Chr11	11931286	11931411	Chr11.6989	<i>Ddc(-33205),Grb10(+106052)</i>	N/A
Chr11	11933092	11933203	Chr11.6998	<i>Ddc(-35004),Grb10(+104253)</i>	N/A
Chr11	69828915	69829111	Chr11.69993	<i>Sperm1(-6853),Nlgn2(+8771)</i>	N/A
Chr11	69835039	69835224	Chr11.70030	<i>Tmem256(-3393),Nlgn2(+2653)</i>	N/A
Chr11	69835327	69835535	Chr11.70032	<i>Tmem256(-3093),Nlgn2(+2353)</i>	N/A
Chr11	69836677	69836975	Chr11.70037	<i>Tmem256(-1698),Nlgn2(+958)</i>	N/A
Chr11	69837038	69837453	Chr11.70039	<i>Tmem256(-1278),Nlgn2(+538)</i>	N/A
Chr11	69838114	69838310	Chr11.70044	<i>Nlgn2(-428),Tmem256(-312)</i>	N/A
Chr11	69846800	69847025	Chr11.70069	<i>Plac3(-296)</i>	N/A
Chr11	69850913	69851041	Chr11.70099	<i>Plac3(+4360),Trk1(+7753)</i>	N/A
Chr11	69878434	69878575	Chr11.70176	<i>Tmem95(-487)</i>	N/A
Chr11	69895493	69895606	Chr11.70267	<i>Acap1(-11)</i>	N/A
Chr11	69913561	69913806	Chr11.70381	<i>Gps2(-204)</i>	N/A
Chr11	11965768	11965945	Chr11.7041	<i>Ddc(-67713),Grb10(+71544)</i>	N/A
Chr11	69919803	69919923	Chr11.70420	<i>Elf5a(+1623),Gps2(+5875)</i>	N/A
Chr11	69919955	69920108	Chr11.70425	<i>Elf5a(+1354),Gps2(+6144)</i>	N/A
Chr11	69921372	69921472	Chr11.70430	<i>Elf5a(-36)</i>	N/A
Chr11	69921600	69921844	Chr11.70434	<i>Elf5a(-336)</i>	N/A
Chr11	69943166	69943351	Chr11.70485	<i>Slc2a4(+4890),Ybx2(+7463)</i>	N/A
Chr11	69947369	69947560	Chr11.70540	<i>Slc2a4(-684)</i>	N/A
Chr11	69948562	69948689	Chr11.70550	<i>Slc2a4(-477)</i>	N/A
Chr11	69965288	69965401	Chr11.70554	<i>Cldn7(-51)</i>	N/A
Chr11	69980759	69980860	Chr11.70612	<i>Cldnep1(-346),Elp5(+442)</i>	N/A
Chr11	69982979	69983165	Chr11.70620	<i>Elp5(-1820)</i>	N/A
Chr11	69983471	69983621	Chr11.70623	<i>Elp5(-2294)</i>	N/A
Chr11	6998947	69989542	Chr11.70633	<i>Gabarrap(-848)</i>	N/A
Chr11	69990994	69991099	Chr11.70642	<i>PHF23(-4730),Gabarrap(-96)</i>	N/A
Chr11	69994754	69994963	Chr11.70659	<i>PHF23(-918)</i>	N/A
Chr11	69995911	69996089	Chr11.70671	<i>Dvl2(-4595),PHF23(+223)</i>	N/A
Chr11	6999797	69999910	Chr11.70694	<i>Dvl2(-741)</i>	N/A
Chr11	70009999	70010168	Chr11.70769	<i>Acadv1(-5334),Dvl2(+9479)</i>	N/A
Chr11	70017157	70017258	Chr11.70825	<i>Acadv1(-1800),Dlg4(-1520)</i>	N/A
Chr11	12036425	12036528	Chr11.7083	<i>Grb10(+924)</i>	N/A
Chr11	70018826	70019009	Chr11.70832	<i>Acadv1(-3510),Dlg4(+190)</i>	N/A
Chr11	70019042	70019177	Chr11.70834	<i>Acadv1(-3702),Dlg4(+382)</i>	N/A
Chr11	70020055	70020309	Chr11.70845	<i>Acadv1(-4774),Dlg4(+1454)</i>	N/A
Chr11	70020763	70020865	Chr11.70850	<i>Asgr1(-33884),Dlg4(+2086)</i>	N/A
Chr11	70020913	70021054	Chr11.70853	<i>Asgr1(-33714),Dlg4(+2256)</i>	N/A
Chr11	70021224	70021651	Chr11.70856	<i>Asgr1(-33260),Dlg4(+2710)</i>	N/A
Chr11	70021792	70022043	Chr11.70866	<i>Asgr1(-32780),Dlg4(+3190)</i>	N/A
Chr11	70024060	70024247	Chr11.70868	<i>Asgr1(-30544),Dlg4(+5426)</i>	N/A
Chr11	70029179	70029287	Chr11.70877	<i>Asgr1(-25465),Dlg4(+10505)</i>	N/A
Chr11	70029663	70029789	Chr11.70881	<i>Asgr1(-24972),Dlg4(+10998)</i>	N/A
Chr11	70044796	70044933	Chr11.70941	<i>Asgr1(-5833),Dlg4(+26137)</i>	N/A
Chr11	70044874	70045287	Chr11.70946	<i>Asgr1(-9567),Dlg4(+26403)</i>	N/A
Chr11	70045438	70045554	Chr11.70949	<i>Asgr1(-9202),Dlg4(+26768)</i>	N/A
Chr11	70225580	70225725	Chr11.71157	<i>Slc16a1(-34659)</i>	N/A
Chr11	70229770	70229914	Chr11.71201	<i>Bcl6b(-103)</i>	N/A
Chr11	70230291	70230427	Chr11.71203	<i>Bcl6b(-620)</i>	N/A
Chr11	70230535	70230655	Chr11.71205	<i>Bcl6b(-856)</i>	N/A
Chr11	70232627	70233519	Chr11.71212	<i>Bcl6b(-3334)</i>	N/A
Chr11	70233560	70233691	Chr11.71213	<i>Bcl6b(-3887)</i>	N/A
Chr11	70233957	70234094	Chr11.71217	<i>Bcl6b(-4287)</i>	N/A
Chr11	70234219	70234451	Chr11.71219	<i>Bcl6b(-4598)</i>	N/A
Chr11	70234701	70234806	Chr11.71222	<i>Bcl6b(-5015),0610010k14nk(+3050)</i>	N/A
Chr11	70235015	70235136	Chr11.71223	<i>Bcl6b(-5337),0610010k14nk(+2728)</i>	N/A
Chr11	70432594	70432769	Chr11.71537	<i>Armb2(+29)</i>	N/A
Chr11	70433349	70433505	Chr11.71543	<i>Armb2(+774)</i>	N/A
Chr11	70433699	70433862	Chr11.71546	<i>Medf1(-19128),Armb2(+1138)</i>	N/A
Chr11	70582373	70582633	Chr11.71842	<i>Mink1(-378)</i>	N/A
Chr11	70564184	70564411	Chr11.71853	<i>493054d05rik(-51612),Mink1(+1417)</i>	N/A
Chr11	70579704	70579852	Chr11.71870	<i>493054d05rik(-36132),Mink1(+16897)</i>	N/A
Chr11	70580354	70580465	Chr11.71874	<i>493054d05rik(-35500),Mink1(+17529)</i>	N/A
Chr11	70583461	70583611	Chr11.71876	<i>493054d05rik(-32374),Mink1(+20655)</i>	N/A
Chr11	70606826	70606880	Chr11.71917	<i>493054d05rik(-9196),Mink1(+43633)</i>	N/A
Chr11	3527421	3527712	Chr11.720	<i>Smtm(+11725),Selenom(+12700)</i>	N/A
Chr11	12340600	12340755	Chr11.7207	<i>Grb10(-303277),Cobl(+124279)</i>	N/A
Chr11	12340794	12340980	Chr11.7209	<i>Grb10(-303486),Cobl(+124070)</i>	N/A
Chr11	70651487	70651589	Chr11.72141	<i>Slc25a1(-4480),Rnf167(+4251)</i>	N/A
Chr11	70651929	70652063	Chr11.72144	<i>Slc25a1(-4938),Rnf157(+4709)</i>	N/A
Chr11	70653444	70653664	Chr11.72158	<i>Eno3(-3800),Pfk1(+1040)</i>	N/A
Chr11	70654027	70654152	Chr11.72165	<i>Eno3(-3114),Pfk1(+554)</i>	N/A
Chr11	70656795	70656905	Chr11.72173	<i>Pfk1(-2206),Eno3(-354)</i>	N/A
Chr11	70657072	70657222	Chr11.72175	<i>Pfk1(-2503),Eno3(-57)</i>	N/A
Chr11	70657673	70657773	Chr11.72179	<i>Pfk1(-3079),Eno3(-519)</i>	N/A
Chr11	70669477	70669613	Chr11.72254	<i>Spag7(-128)</i>	N/A
Chr11	70669749	70669893	Chr11.72256	<i>Spag7(-405)</i>	N/A
Chr11	70686338	70686474	Chr11.72330	<i>Spag7(-16990),Camta2(+1547)</i>	N/A
Chr11	70687840	70688007	Chr11.72336	<i>Camta2(+29)</i>	N/A
Chr11	70701425	70701547	Chr11.72353	<i>Inca1(-1331),Klf1c(+938)</i>	N/A
Chr11	70702398	70702562	Chr11.72358	<i>Inca1(-2325),Klf1c(+1932)</i>	N/A
Chr11	70715164	70715296	Chr11.72419	<i>Zfp3(-48979),Klf1c(+14682)</i>	N/A
Chr11	70846508	70846667	Chr11.72500	<i>Rabap1(+1810),Nup88(+123374)</i>	N/A
Chr11	3527895	3528074	Chr11.727	<i>Smtm(+11307),Selenom(+13118)</i>	N/A
Chr11	71033036	71033144	Chr11.72783	<i>Mis12(+13479),Nlrp1a(+11614)</i>	N/A
Chr11	71440055	71440237	Chr11.72930	<i>Wscd1(-311230),Nlrp1b(-238690)</i>	N/A
Chr11	7151545	71515707	Chr11.72986	<i>Nlrp1b(-316170),Wscd1(-233750)</i>	N/A
Chr11	71758257	71758358	Chr11.73090	<i>Wscd1(+6932),Ap1(+279181)</i>	N/A

Chr11	71758610	71758790	Chr11.73092	Wscd1(+7324),Alpl1(+278788)	N/A
Chr11	72080590	72080689	Chr11.73512	Pimreg(+38185),Pitpnm3(+55138)	N/A
Chr11	72130172	72130278	Chr11.73529	Pitpnm3(+5553),Pimreg(+87770)	N/A
Chr11	72130714	72130865	Chr11.73532	Pitpnm3(+4688),Pimreg(+86335)	N/A
Chr11	72138238	72138349	Chr11.73538	Pitpnm3(-2516)	N/A
Chr11	72265678	72265791	Chr11.73756	Slc13a5(+867)	N/A
Chr11	72266628	72266738	Chr11.73761	Slc13a5(-81)	N/A
Chr11	72395715	72395866	Chr11.73893	Tekt1(-33349),Smtm2(+15922)	N/A
Chr11	72397235	72397386	Chr11.73902	Tekt1(-34889),Smtm2(+14402)	N/A
Chr11	72418323	72418423	Chr11.73944	Egfr(-17153),Smtm2(-666)	N/A
Chr11	72458113	72458232	Chr11.74166	Mybbp1a(+16818),Spns2(+31731)	N/A
Chr11	72469362	72469474	Chr11.74180	Spns2(+20486),Mybbp1a(+28063)	N/A
Chr11	72472512	72472710	Chr11.74186	Spns2(+17293),Mybbp1a(+31256)	N/A
Chr11	72478347	72478624	Chr11.74191	Spns2(+11468),Mybbp1a(+37081)	N/A
Chr11	72485278	72485441	Chr11.74198	Spns2(+4544),Mybbp1a(+44005)	N/A
Chr11	72488786	72488904	Chr11.74204	Spns2(+1059),Mybbp1a(+47490)	N/A
Chr11	72506868	72506970	Chr11.74239	Spns2(-17015),Spns3(+43587)	N/A
Chr11	72734988	72735091	Chr11.74373	Anky1(+45034),Cyb5d2(+60816)	N/A
Chr11	72965540	72965720	Chr11.74813	P2rx1(-33473),Atp2a3(+4461)	N/A
Chr11	72998632	72999095	Chr11.74976	P2rx1(-99)	N/A
Chr11	73021608	73021752	Chr11.75034	Ncbp3(-26103),Carnk1(+2637)	N/A
Chr11	73184453	73184618	Chr11.75405	Tax1bp3(+7453),Ctns(+14506)	N/A
Chr11	73326774	73326922	Chr11.75771	Spata22(-2893),Aspa(-2214)	N/A
Chr11	74408992	74409112	Chr11.76845	Offr412(+44381),Rap1gap2(+181134)	N/A
Chr11	74468374	74468562	Chr11.76926	Offr412(+103797),Rap1gap2(+121718)	N/A
Chr11	74557583	74557710	Chr11.76989	Rap1gap2(-32539),Offr412(+192976)	N/A
Chr11	74650338	74650441	Chr11.77048	Cluh(+875)	N/A
Chr11	74652794	74653059	Chr11.77053	Cluh(+3412),Pafah1b1(+71743)	N/A
Chr11	74653227	74653329	Chr11.77060	Cluh(+3763),Pafah1b1(+71392)	N/A
Chr11	74653489	74653686	Chr11.77062	Cluh(+4063),Pafah1b1(+71092)	N/A
Chr11	74670692	74670874	Chr11.77231	Cluh(+21268),Pafah1b1(+53887)	N/A
Chr11	74722257	74722293	Chr11.77286	Pafah1b1(+12540),Cluh(+72615)	N/A
Chr11	74722661	74722770	Chr11.77292	Pafah1b1(+1954),Cluh(+73201)	N/A
Chr11	74724841	74724943	Chr11.77304	Pafah1b1(-222)	N/A
Chr11	16607089	16607268	Chr11.7736	Egfr(-145032),Sec61g(-98695)	N/A
Chr11	74828464	74828604	Chr11.77395	Mnt(-2386)	N/A
Chr11	74830290	74830450	Chr11.77398	Mnt(-550)	N/A
Chr11	74830797	74831027	Chr11.77406	Mnt(-8)	N/A
Chr11	74831711	74831975	Chr11.77416	Mnt(+923)	N/A
Chr11	74832172	74832307	Chr11.77420	Mnt(+1320),Sgsn2(+64820)	N/A
Chr11	74844311	74844431	Chr11.77460	Mnt(+13451),Sgsn2(+52689)	N/A
Chr11	74869772	74869921	Chr11.77563	Sgsn2(+27213),Mnt(+38927)	N/A
Chr11	16753759	16753887	Chr11.7761	Fbxo4(-197582),Egfr(+1617)	N/A
Chr11	74963047	74963198	Chr11.77717	Smg6(+37300),Hic1(+206396)	N/A
Chr11	74963370	74963471	Chr11.77720	Smg6(+37598),Hic1(+206098)	N/A
Chr11	74965664	74965881	Chr11.77724	Smg6(+39950),Hic1(+203746)	N/A
Chr11	74981597	74982045	Chr11.77745	Smg6(+55998),Hic1(+187698)	N/A
Chr11	74988151	74988562	Chr11.77762	Smg6(+62534),Hic1(+181152)	N/A
Chr11	74988651	74988798	Chr11.77765	Smg6(+62902),Hic1(+180794)	N/A
Chr11	74988990	74989379	Chr11.77767	Smg6(+63362),Hic1(+180334)	N/A
Chr11	74990404	74990804	Chr11.77776	Smg6(+64781),Hic1(+178915)	N/A
Chr11	74992468	74993138	Chr11.77789	Smg6(+66980),Hic1(+176716)	N/A
Chr11	75000967	75001206	Chr11.77806	Smg6(+75264),Hic1(+168432)	N/A
Chr11	75001281	75001760	Chr11.77809	Smg6(+75668),Hic1(+168098)	N/A
Chr11	75013019	75013373	Chr11.77813	Smg6(+87373),Hic1(+156323)	N/A
Chr11	75013545	75014223	Chr11.77817	Smg6(+88061),Hic1(+155635)	N/A
Chr11	75014898	75015067	Chr11.77824	Smg6(+89160),Hic1(+154536)	N/A
Chr11	75015225	75015830	Chr11.77826	Smg6(+89705),Hic1(+153991)	N/A
Chr11	75015860	75016027	Chr11.77830	Smg6(+90121),Hic1(+153575)	N/A
Chr11	75016304	75016578	Chr11.77831	Smg6(+90618),Hic1(+153078)	N/A
Chr11	75016635	75016867	Chr11.77836	Smg6(+90928),Hic1(+152768)	N/A
Chr11	75016931	75017329	Chr11.77838	Smg6(+91307),Hic1(+152389)	N/A
Chr11	75017369	75017475	Chr11.77842	Smg6(+91599),Hic1(+152097)	N/A
Chr11	75031149	75031528	Chr11.77851	Smg6(+105516),Hic1(+138180)	N/A
Chr11	75033078	75033296	Chr11.77856	Smg6(+107364),Hic1(+138332)	N/A
Chr11	75033782	75034135	Chr11.77861	Smg6(+108126),Hic1(+135570)	N/A
Chr11	75034164	75034478	Chr11.77862	Smg6(+108498),Hic1(+135198)	N/A
Chr11	75046968	75047467	Chr11.77893	Smg6(+121395),Hic1(+122301)	N/A
Chr11	75047516	75047686	Chr11.77898	Smg6(+121768),Hic1(+121928)	N/A
Chr11	75047695	75048299	Chr11.77902	Hic1(+121522),Smg6(+122174)	N/A
Chr11	75049142	75049509	Chr11.77908	Hic1(+120193),Smg6(+123503)	N/A
Chr11	75049725	75050367	Chr11.77913	Hic1(+119473),Smg6(+124223)	N/A
Chr11	75050739	75050860	Chr11.77917	Hic1(+118719),Smg6(+124977)	N/A
Chr11	75051268	75051559	Chr11.77920	Hic1(+118105),Smg6(+125591)	N/A
Chr11	75051591	75052473	Chr11.77921	Hic1(+117487),Smg6(+126209)	N/A
Chr11	75053370	75053568	Chr11.77925	Hic1(+116050),Smg6(+127646)	N/A
Chr11	75054270	75054705	Chr11.77932	Hic1(+115031),Smg6(+128655)	N/A
Chr11	75072843	75072971	Chr11.77938	Hic1(+96612),Smg6(+147084)	N/A
Chr11	75073822	75074165	Chr11.77942	Hic1(+95525),Smg6(+148171)	N/A
Chr11	75074315	75074506	Chr11.77947	Hic1(+95108),Smg6(+148588)	N/A
Chr11	75074616	75074837	Chr11.77950	Hic1(+94792),Smg6(+148904)	N/A
Chr11	75077828	75078085	Chr11.77955	Hic1(+91562),Smg6(+152134)	N/A
Chr11	16810740	16810851	Chr11.7796	Fbxo4(-140614),Egfr(+58585)	N/A
Chr11	75078661	75079027	Chr11.77963	Hic1(+90675),Smg6(+153021)	N/A
Chr11	75092243	75092654	Chr11.77968	Hic1(+77070),Smg6(+166626)	N/A
Chr11	75102865	75103147	Chr11.77983	Hic1(+66513),Smg6(+177183)	N/A
Chr11	75103184	75103428	Chr11.77987	Hic1(+66213),Smg6(+177453)	N/A
Chr11	3535178	3535280	Chr11.780	Smtm(+4063),Selenom(+20362)	N/A
Chr11	75121371	75121667	Chr11.78009	Hic1(+48000),Smg6(+195696)	N/A
Chr11	75132331	75132616	Chr11.78015	Hic1(+37045),Smg6(+206651)	N/A
Chr11	75134040	75134255	Chr11.78020	Hic1(+35371),Smg6(+208325)	N/A
Chr11	75134291	75134698	Chr11.78022	Hic1(+35025),Smg6(+208871)	N/A
Chr11	751351597	75135331	Chr11.78024	Hic1(+34285),Smg6(+209441)	N/A
Chr11	75136736	75136846	Chr11.78028	Hic1(+342788),Smg6(+210968)	N/A
Chr11	75137115	75137437	Chr11.78031	Hic1(+32243),Smg6(+211453)	N/A
Chr11	75139655	75139791	Chr11.78041	Hic1(+29796),Smg6(+213900)	N/A
Chr11	75140186	75140319	Chr11.78043	Hic1(+29266),Smg6(+214430)	N/A
Chr11	75140390	75140849	Chr11.78046	Hic1(+28889),Smg6(+214797)	N/A
Chr11	75141144	75141353	Chr11.78051	Hic1(+28870),Smg6(+215426)	N/A
Chr11	75147136	75147468	Chr11.78060	Hic1(+22217),Smg6(+221479)	N/A
Chr11	75147521	75147655	Chr11.78063	Hic1(+21931),Smg6(+221765)	N/A
Chr11	75147690	75148085	Chr11.78064	Hic1(+21631),Smg6(+222065)	N/A
Chr11	75148208	75148418	Chr11.78068	Hic1(+21176),Smg6(+222520)	N/A
Chr11	75148465	75148758	Chr11.78070	Hic1(+20907),Smg6(+222789)	N/A
Chr11	75152764	75153153	Chr11.78078	Hic1(+16560),Smg6(+227136)	N/A
Chr11	75153313	75153433	Chr11.78083	Hic1(+16146),Smg6(+227550)	N/A
Chr11	75154221	75154454	Chr11.78086	Hic1(+15181),Smg6(+228515)	N/A
Chr11	75156379	75156821	Chr11.78094	Hic1(+12919),Smg6(+230777)	N/A
Chr11	75157163	75157412	Chr11.78097	Hic1(+12231),Smg6(+231465)	N/A
Chr11	75158027	75158240	Chr11.78098	Hic1(+11385),Smg6(+232311)	N/A
Chr11	75158415	75158613	Chr11.78100	Hic1(+11005),Smg6(+232691)	N/A
Chr11	75161147	75161511	Chr11.78111	Hic1(+8190),Smg6(+235506)	N/A
Chr11	75164388	75164487	Chr11.78122	Hic1(+5081),Smg6(+238615)	N/A
Chr11	75164574	75164762	Chr11.78123	Hic1(+4851),Smg6(+238845)	N/A
Chr11	16833224	16833282	Chr11.7816	Fbxo4(-119207),Egfr(+79992)	N/A
Chr11	75182812	75182950	Chr11.78214	Ovca2(-4046)	N/A
Chr11	16832464	16832638	Chr11.7823	Fbxo4(-118859),Egfr(+80340)	N/A
Chr11	75185044	75185256	Chr11.78230	Ovca2(-6315),Dph1(+5369)	N/A
Chr11	75191250	75191415	Chr11.78243	Rtn4r1(-2450),Dph1(-814)	N/A
Chr11	75193538	75193746	Chr11.78252	Dph1(-3123),Rtn4r1(-141)	N/A
Chr11	75194063	75194322	Chr11.78257	Dph1(-3674),Rtn4r1(+110)	N/A
Chr11	75195290	75195428	Chr11.78264	Dph1(-4840),Rtn4r1(+1576)	N/A
Chr11	75198813	75199006	Chr11.78281	Rtn4r1(+5127),Rpa1(+149400)	N/A
Chr11	75201539	75201739	Chr11.78299	Rtn4r1(+7856),Rpa1(+146671)	N/A
Chr11	3537163	3537183	Chr11.783	Smtm(+2201),Selenom(+22224)	N/A
Chr11	75212402	75212577	Chr11.78313	Rtn4r1(+18707),Rpa1(+135820)	N/A
Chr11	75220745	75220959	Chr11.78332	Rtn4r1(+27069),Rpa1(+127458)	N/A
Chr11	75240475	75240587	Chr11.78354	Rtn4r1(+46748),Rpa1(+107779)	N/A
Chr11	75248833	75249031	Chr11.78358	Rtn4r1(+55149),Rpa1(+99378)	N/A
Chr11	75263310	75263485	Chr11.78373	Rtn4r1(+69615),Rpa1(+94912)	N/A
Chr11	75263809	75264026	Chr11.78378	Rtn4r1(+70186),Rpa1(+84341)	N/A
Chr11	75266040	75266209	Chr11.78412	Rtn4r1(+72342),Rpa1(+82188)	N/A
Chr11	75268433	75268598	Chr11.78435	Rtn4r1(+74733),Rpa1(+79794)	N/A
Chr11	75268641	75268741	Chr11.78438	Rtn4r1(+74908),Rpa1(+79619)	N/A
Chr11	75271060	75271185	Chr11.78442	Rpa1(+77187),Rtn4r1(+77340)	N/A
Chr11	75273801	75273759	Chr11.78454	Rpa1(+74630),Rtn4r1(+79897)	N/A
Chr11	75275032	75275201	Chr11.78461	Rpa1(+73133),Rtn4r1(+81334)	N/A
Chr11	75278889	75279023	Chr11.78467	Rpa1(+68364),Rtn4r1(+85163)	N/A

Chr11	75279723	75270853	Chr11.78477	Rpa1(+68522),Rtn4r1(+86005)	N/A
Chr11	75281290	75281685	Chr11.78485	Rpa1(+66822),Rtn4r1(+87705)	N/A
Chr11	75282755	75283002	Chr11.78501	Rpa1(+65431),Rtn4r1(+89096)	N/A
Chr11	75289206	75289360	Chr11.78509	Rpa1(+59027),Rtn4r1(+95509)	N/A
Chr11	75290795	75291040	Chr11.78516	Rpa1(+57392),Rtn4r1(+97135)	N/A
Chr11	75291847	75292125	Chr11.78519	Rpa1(+56324),Rtn4r1(+98203)	N/A
Chr11	75292981	75293135	Chr11.78525	Rpa1(+55252),Rtn4r1(+99275)	N/A
Chr11	75293937	75294164	Chr11.78528	Rpa1(+54259),Rtn4r1(+100298)	N/A
Chr11	75296430	75296588	Chr11.78554	Rpa1(+49811),Rtn4r1(+104716)	N/A
Chr11	75299912	75300177	Chr11.78562	Rpa1(+48565),Rtn4r1(+105282)	N/A
Chr11	75318694	75319063	Chr11.78637	Rpa1(+29431),Rtn4r1(+125096)	N/A
Chr11	75443895	75444042	Chr11.78914	Serp1n2(-4468)	N/A
Chr11	75459506	75459658	Chr11.79104	Wdr81(-4865)	N/A
Chr11	75460504	75460684	Chr11.79109	Tlcc2(-7485),Wdr81(-5877)	N/A
Chr11	75461181	75461299	Chr11.79114	Tlcc2(-6839),Wdr81(-6523)	N/A
Chr11	75461422	75461707	Chr11.79119	Wdr81(-6848),Tlcc2(-6514)	N/A
Chr11	75462372	75462474	Chr11.79128	Wdr81(-7706),Tlcc2(-5656)	N/A
Chr11	75462503	75462749	Chr11.79129	Wdr81(-7909),Tlcc2(-5453)	N/A
Chr11	75463021	75463226	Chr11.79133	Tlcc2(-4955)	N/A
Chr11	75463718	75463820	Chr11.79135	Tlcc2(-4310)	N/A
Chr11	75509851	75509971	Chr11.79205	Scarf1(-3629),Rlbp(-183)	N/A
Chr11	75531533	75531747	Chr11.79399	Slc43a2(-472)	N/A
Chr11	75531942	75532173	Chr11.79405	Slc43a2(-54)	N/A
Chr11	75534540	75534746	Chr11.79422	Pitpna(-53454),Slc43a2(+2531)	N/A
Chr11	75550854	75550957	Chr11.79457	Pitpna(-37191),Slc43a2(+18794)	N/A
Chr11	75564288	75564441	Chr11.79490	Pitpna(-23732),Slc43a2(-32253)	N/A
Chr11	75572827	75573052	Chr11.79524	Pitpna(-15157),Slc43a2(-40828)	N/A
Chr11	75590525	75590696	Chr11.79535	Inpp5k(-40377),Pitpna(+2514)	N/A
Chr11	75595735	75595867	Chr11.79545	Inpp5k(-35187),Pitpna(+7704)	N/A
Chr11	75607819	75607726	Chr11.79563	Inpp5k(-23315),Pitpna(+19576)	N/A
Chr11	75620855	75627039	Chr11.79596	Inpp5k(-4041)	N/A
Chr11	75635424	75635537	Chr11.79620	Myo1c(-20392),Inpp5k(+4493)	N/A
Chr11	75643457	75643568	Chr11.79643	Myo1c(-12360),Inpp5k(+12825)	N/A
Chr11	75648068	75648186	Chr11.79672	Myo1c(-7746),Inpp5k(+17139)	N/A
Chr11	75649198	75649479	Chr11.79676	Myo1c(-6534),Inpp5k(+18351)	N/A
Chr11	75649568	75649692	Chr11.79680	Myo1c(-6243),Inpp5k(+18642)	N/A
Chr11	75650382	75650627	Chr11.79683	Myo1c(-5388),Inpp5k(+19517)	N/A
Chr11	75672607	75672744	Chr11.79822	Crk(-6583),Myo1c(+16033)	N/A
Chr11	75672887	75673047	Chr11.79825	Crk(-6292),Myo1c(+17094)	N/A
Chr11	75679947	75680238	Chr11.79844	Crk(+834)	N/A
Chr11	75687596	75687743	Chr11.79846	Ywhae(-45199),Crk(+8411)	N/A
Chr11	75703552	75703714	Chr11.79860	Ywhae(-29236),Crk(+24374)	N/A
Chr11	75732963	75733252	Chr11.79884	Ywhae(-239)	N/A
Chr11	75733531	75733637	Chr11.79892	Ywhae(-715)	N/A
Chr11	75769106	75769303	Chr11.79922	Doc2b(+26844),Ywhae(+36336)	N/A
Chr11	75813619	75813762	Chr11.79978	Doc2b(-17642),Rph3a(+124047)	N/A
Chr11	75845755	75845968	Chr11.80001	Doc2b(-49813),Rph3a(+91876)	N/A
Chr11	75859229	75859367	Chr11.80015	Doc2b(-63249),Rph3a(+78446)	N/A
Chr11	75870013	75870172	Chr11.80026	Doc2b(-74044),Rph3a(+67645)	N/A
Chr11	75925928	75926076	Chr11.80059	Doc2b(-129953),Rph3a(+11736)	N/A
Chr11	76042620	76042785	Chr11.80128	Rflnb(-14921),Vps53(+136944)	N/A
Chr11	76044439	76044564	Chr11.80132	Rflnb(-16720),Vps53(+135145)	N/A
Chr11	76074453	76074627	Chr11.80182	Rflnb(-46758),Vps53(+105107)	N/A
Chr11	76081360	76081489	Chr11.80202	Rflnb(-56343),Vps53(+9560)	N/A
Chr11	76083895	76084009	Chr11.80216	Rflnb(-56170),Vps53(+95895)	N/A
Chr11	76099237	76099536	Chr11.80224	Rflnb(-71606),Vps53(+80259)	N/A
Chr11	76101318	76101592	Chr11.80230	Rflnb(-73673),Vps53(+78192)	N/A
Chr11	76122713	76122823	Chr11.80273	Rflnb(-94986),Vps53(+56879)	N/A
Chr11	76125239	76125340	Chr11.80278	Rflnb(-91758),Vps53(+54357)	N/A
Chr11	76125510	76125610	Chr11.80283	Rflnb(-97778),Vps53(+54087)	N/A
Chr11	76148497	76148809	Chr11.80303	Rflnb(-120871),Vps53(+30994)	N/A
Chr11	76160035	76160221	Chr11.80319	Rflnb(-132346),Vps53(+19519)	N/A
Chr11	76160278	76160448	Chr11.80323	Rflnb(-132581),Vps53(+19284)	N/A
Chr11	76196364	76196485	Chr11.80336	Fam57a(-5590),Fam57a(-16754)	N/A
Chr11	76243120	76243277	Chr11.804	Smr(-3907)	N/A
Chr11	76257229	76257348	Chr11.80555	Glod4(-13564),Nxn(+141851)	N/A
Chr11	76290435	76290540	Chr11.80607	Glod4(-46763),Nxn(+108652)	N/A
Chr11	76292906	76293057	Chr11.80618	Glod4(-49257),Nxn(+106158)	N/A
Chr11	76293270	76293493	Chr11.80621	Glod4(-49657),Nxn(+105758)	N/A
Chr11	76293795	76293971	Chr11.80625	Glod4(-50158),Nxn(+103257)	N/A
Chr11	76297278	76297502	Chr11.80630	Glod4(-53655),Nxn(+101750)	N/A
Chr11	76301824	76301991	Chr11.80633	Glod4(-58183),Nxn(+97232)	N/A
Chr11	76307068	76307298	Chr11.80635	Glod4(-63458),Nxn(+91957)	N/A
Chr11	76320183	76320291	Chr11.80647	Glod4(-76512),Nxn(+78903)	N/A
Chr11	76322096	76322288	Chr11.80649	Glod4(-78467),Nxn(+76948)	N/A
Chr11	76324769	76324769	Chr11.80660	Glod4(-80922),Nxn(+74493)	N/A
Chr11	76327863	76327886	Chr11.80669	Glod4(-84050),Nxn(+71365)	N/A
Chr11	76332296	76332482	Chr11.80675	Glod4(-88664),Nxn(+66751)	N/A
Chr11	76338078	76338285	Chr11.80684	Glod4(-94457),Nxn(+60958)	N/A
Chr11	76341199	76341461	Chr11.80687	Glod4(-97605),Nxn(+57810)	N/A
Chr11	76358507	76358606	Chr11.80702	Glod4(-114833),Nxn(+40582)	N/A
Chr11	76359537	76359806	Chr11.80705	Glod4(-114997),Nxn(+40416)	N/A
Chr11	76365898	76366016	Chr11.80709	Glod4(-122322),Nxn(+33183)	N/A
Chr11	76370622	76370729	Chr11.80714	Glod4(-126951),Nxn(+28464)	N/A
Chr11	76373023	76373163	Chr11.80717	Glod4(-129368),Nxn(+26047)	N/A
Chr11	76373235	76373369	Chr11.80718	Glod4(-129677),Nxn(+25838)	N/A
Chr11	76374579	76374718	Chr11.80724	Glod4(-130924),Nxn(+24491)	N/A
Chr11	76380199	76380318	Chr11.80733	Glod4(-136534),Nxn(+18881)	N/A
Chr11	76381503	76381637	Chr11.80742	Glod4(-137845),Nxn(+17570)	N/A
Chr11	76388623	76388879	Chr11.80754	Glod4(-145026),Nxn(+10389)	N/A
Chr11	76395482	76395595	Chr11.80767	Glod4(-151814),Nxn(+3601)	N/A
Chr11	76395872	76396068	Chr11.80772	Glod4(-152245),Nxn(+3170)	N/A
Chr11	76401529	76401853	Chr11.80786	Nxn(-2951)	N/A
Chr11	76413486	76413591	Chr11.80802	Timm22(+6396),Abr(+95880)	N/A
Chr11	76416147	76416292	Chr11.80806	Timm22(+9077),Abr(+93199)	N/A
Chr11	76418759	76418891	Chr11.80816	Timm22(+11682),Abr(+90594)	N/A
Chr11	76418966	76419071	Chr11.80820	Timm22(+11876),Abr(+90400)	N/A
Chr11	76427862	76428042	Chr11.80846	Timm22(+20809),Abr(+91497)	N/A
Chr11	76435678	76435845	Chr11.80862	Timm22(+28619),Abr(+73657)	N/A
Chr11	76436944	76437104	Chr11.80864	Timm22(+29881),Abr(+72395)	N/A
Chr11	76439790	76439950	Chr11.80869	Timm22(+32727),Abr(+69549)	N/A
Chr11	76447330	76447437	Chr11.80879	Timm22(+40241),Abr(+62035)	N/A
Chr11	76449799	76449998	Chr11.80883	Timm22(+42756),Abr(+59520)	N/A
Chr11	76469718	76469839	Chr11.80933	Abr(+39640),Timm22(-62536)	N/A
Chr11	76472643	76472822	Chr11.80938	Abr(+36696),Timm22(-65590)	N/A
Chr11	76477198	76477341	Chr11.80942	Abr(+32149),Timm22(+70127)	N/A
Chr11	76494250	76494428	Chr11.80966	Abr(+15080),Timm22(+87196)	N/A
Chr11	76494899	76495035	Chr11.80967	Abr(+14452),Timm22(+87824)	N/A
Chr11	76497553	76497655	Chr11.80971	Abr(+11815),Timm22(+90461)	N/A
Chr11	76502271	76505636	Chr11.80990	Abr(-15)	N/A
Chr11	76510451	76510609	Chr11.80997	Abr(-1111)	N/A
Chr11	76545460	76545572	Chr11.81016	Bhlha9(-126954),Abr(-36097)	N/A
Chr11	76562693	76562810	Chr11.81023	Bhlha9(-109718),Abr(-53333)	N/A
Chr11	76568890	76569006	Chr11.81035	Bhlha9(-103492),Abr(-59559)	N/A
Chr11	76569558	76569802	Chr11.81041	Bhlha9(-102740),Abr(-60311)	N/A
Chr11	76571610	76571728	Chr11.81050	Bhlha9(-100801),Abr(-62250)	N/A
Chr11	76572701	76572829	Chr11.81053	Bhlha9(-99705),Abr(-63346)	N/A
Chr11	76573096	76573246	Chr11.81057	Bhlha9(-99299),Abr(-63752)	N/A
Chr11	76606297	76606401	Chr11.81081	Abr(-96930),Bhlha9(-66121)	N/A
Chr11	76605531	76605676	Chr11.81085	Abr(-97186),Bhlha9(-65865)	N/A
Chr11	76621771	76622321	Chr11.81095	Abr(-112827),Bhlha9(-50224)	N/A
Chr11	76672295	76672425	Chr11.81131	Bhlha9(-110)	N/A
Chr11	76780039	76780147	Chr11.81243	Gosr1(-16514),Cpd(+66925)	N/A
Chr11	76783931	76784279	Chr11.8126	Ppp3r1(-75158),Cnrip1(+32287)	N/A
Chr11	76847030	76847136	Chr11.81347	Cpd(-69)	N/A
Chr11	76902013	76902153	Chr11.81378	Timgd1(-76)	N/A
Chr11	76917476	76917616	Chr11.81419	Blmh(-27958),Timgd1(+15387)	N/A
Chr11	77160352	77160525	Chr11.8150	Ppp3r1(+1176),Pno1(+51129)	N/A
Chr11	77198809	77198984	Chr11.8161	Pno1(+12671),Ppp3r1(+39634)	N/A
Chr11	77077894	77078201	Chr11.81659	Nsrp1(+387)	N/A
Chr11	77214942	77215163	Chr11.81815	Sh2(-1234)	N/A
Chr11	77216122	77216303	Chr11.81821	Sh2(-74)	N/A
Chr11	77217164	77217372	Chr11.81824	Sh2(+981)	N/A
Chr11	77259363	77259538	Chr11.81862	Cor6(-202960),Sh2(+43164)	N/A
Chr11	77363625	77363758	Chr11.81972	Cor6(-98719),Sh2(+147405)	N/A
Chr11	77369300	77369452	Chr11.81983	Cor6(-93035),Sh2(+153089)	N/A
Chr11	77372213	77372463	Chr11.81987	Cor6(-90063),Sh2(+158651)	N/A
Chr11	77386487	77386660	Chr11.82003	Cor6(-75837),Sh2(+170287)	N/A

Chr11	77442255	77442387	Chr11.82076	Coro6(-20090), Ssh2(+226034)	N/A
Chr11	77442431	77442535	Chr11.82078	Coro6(-19928), Ssh2(+226196)	N/A
Chr11	77442564	77442608	Chr11.82081	Coro6(-19723), Ssh2(+226399)	N/A
Chr11	77448556	77447019	Chr11.82307	Coro6(-15473), Ssh2(+230551)	N/A
Chr11	3566166	3566415	Chr11.821	Morc2a(-83203), Smtm(-26999)	N/A
Chr11	77459517	77459669	Chr11.82195	Coro6(-2818)	N/A
Chr11	77462868	77463043	Chr11.82206	Coro6(+545)	N/A
Chr11	77467715	77467938	Chr11.82231	Coro6(+5416), Ankrd13b(+21851)	N/A
Chr11	77470712	77470842	Chr11.82266	Coro6(+8366), Ankrd13b(+18901)	N/A
Chr11	77490984	77491089	Chr11.82338	Git1(-2623), Ankrd13b(-1359)	N/A
Chr11	77491142	77491241	Chr11.82341	Git1(-2370), Ankrd13b(-1514)	N/A
Chr11	77491760	77491886	Chr11.82348	Ankrd13b(-2145), Git1(-1739)	N/A
Chr11	77492079	77492276	Chr11.82349	Ankrd13b(-2500), Git1(-1384)	N/A
Chr11	77497452	77497610	Chr11.82355	Git1(+3969), Trp53l1(+15839)	N/A
Chr11	77498050	77498231	Chr11.82357	Git1(+4579), Trp53l1(+15229)	N/A
Chr11	77500784	77500891	Chr11.82386	Git1(+7276), Trp53l1(+12532)	N/A
Chr11	77507175	77507306	Chr11.82459	Trp53l1(+6129), Git1(+13679)	N/A
Chr11	77507629	77507768	Chr11.82463	Trp53l1(+5671), Git1(+14137)	N/A
Chr11	77604399	77604684	Chr11.82636	Gm10392(-85344), Taok1(+3273)	N/A
Chr11	77605855	77605767	Chr11.82640	Gm10392(-87478), Taok1(+1139)	N/A
Chr11	77606892	77607046	Chr11.82641	Taok1(-846)	N/A
Chr11	77607734	77607951	Chr11.82645	Taok1(-28)	N/A
Chr11	17306199	17306641	Chr11.8265	C1d(+48826), Elaa1(+647455)	N/A
Chr11	77624366	77624661	Chr11.82656	Nufip2(-61641), Taok1(-16699)	N/A
Chr11	77624852	77624959	Chr11.82657	Nufip2(-61249), Taok1(-17091)	N/A
Chr11	77625356	77625479	Chr11.82659	Nufip2(-60737), Taok1(-17803)	N/A
Chr11	77632444	77632588	Chr11.82669	Nufip2(-53639), Taok1(-24701)	N/A
Chr11	77685431	77685727	Chr11.82690	Nufip2(-576)	N/A
Chr11	77685787	77686176	Chr11.82691	Nufip2(-173)	N/A
Chr11	77687749	77687876	Chr11.82701	Nufip2(+1659), Cryba1(+37469)	N/A
Chr11	77688553	77688954	Chr11.82705	Nufip2(+2749), Cryba1(+36379)	N/A
Chr11	17311472	17311627	Chr11.8271	C1d(+5396), Elaa1(+64235)	N/A
Chr11	3566491	3566556	Chr11.828	Morc2a(-82920), Smtm(-27282)	N/A
Chr11	77763775	77763953	Chr11.82802	Cryba1(-38581), Myo18a(-8287)	N/A
Chr11	77764005	77764147	Chr11.82804	Cryba1(-38793), Myo18a(-8075)	N/A
Chr11	77764927	77765086	Chr11.82811	Cryba1(-39724), Myo18a(-7144)	N/A
Chr11	77765240	77765343	Chr11.82812	Cryba1(-40009), Myo18a(-8589)	N/A
Chr11	77765502	77765646	Chr11.82816	Cryba1(-40291), Myo18a(-6577)	N/A
Chr11	77776192	77776336	Chr11.82827	Myo18a(+4113), Gm10277(+11483)	N/A
Chr11	77781294	77781488	Chr11.82876	Gm10277(+6356), Myo18a(+9240)	N/A
Chr11	77786120	77786237	Chr11.82896	Gm10277(+1568), Myo18a(+14028)	N/A
Chr11	77791239	77791417	Chr11.82905	Gm10277(-3581)	N/A
Chr11	77800965	77801069	Chr11.82924	Gm10277(-13270), Pipox(+93079)	N/A
Chr11	77801284	77801400	Chr11.82926	Gm10277(-13595), Pipox(+92754)	N/A
Chr11	77808325	77808482	Chr11.82941	Gm10277(-20657), Pipox(+85692)	N/A
Chr11	77812164	77812321	Chr11.82953	Gm10277(-24496), Pipox(+81853)	N/A
Chr11	77812380	77812492	Chr11.82959	Gm10277(-24689), Pipox(+81660)	N/A
Chr11	77822605	77822712	Chr11.83015	Gm10277(-34912), Pipox(+17437)	N/A
Chr11	77830683	77831084	Chr11.83073	Gm10277(-43137), Pipox(+63212)	N/A
Chr11	77841069	77841270	Chr11.83088	Gm10277(-53423), Pipox(+52926)	N/A
Chr11	77851037	77851246	Chr11.83159	Gm10277(-63395), Pipox(+42954)	N/A
Chr11	77854132	77854291	Chr11.83172	Gm10277(-66465), Pipox(+39884)	N/A
Chr11	77854670	77854777	Chr11.83176	Gm10277(-66977), Pipox(+39372)	N/A
Chr11	77854898	77855000	Chr11.83184	Gm10277(-67897), Pipox(+38459)	N/A
Chr11	77856231	77856623	Chr11.83193	Gm10277(-68680), Pipox(+37669)	N/A
Chr11	3573297	3573524	Chr11.832	Morc2a(-76083), Smtm(-34119)	N/A
Chr11	77858624	77858791	Chr11.83207	Gm10277(-70961), Pipox(+35388)	N/A
Chr11	17377466	17377628	Chr11.8321	C1d(+119953), Elaa1(+576328)	N/A
Chr11	77859740	77859879	Chr11.83219	Gm10277(-72053), Pipox(+34286)	N/A
Chr11	77861271	77861383	Chr11.83239	Gm10277(-73580), Pipox(+32769)	N/A
Chr11	77864912	77865021	Chr11.83249	Gm10277(-77220), Pipox(+29129)	N/A
Chr11	77865087	77865203	Chr11.83252	Gm10277(-77398), Pipox(+28951)	N/A
Chr11	77865893	77866008	Chr11.83258	Gm10277(-78204), Pipox(+28145)	N/A
Chr11	77867671	77868038	Chr11.83260	Gm10277(-80108), Pipox(+26241)	N/A
Chr11	77868145	77868253	Chr11.83264	Gm10277(-80452), Pipox(+25897)	N/A
Chr11	77870011	77870293	Chr11.83269	Gm10277(-82405), Pipox(+23944)	N/A
Chr11	77871564	77871739	Chr11.83271	Gm10277(-83905), Pipox(+22444)	N/A
Chr11	77872279	77872553	Chr11.83276	Gm10277(-84669), Pipox(+21680)	N/A
Chr11	77875309	77875528	Chr11.83283	Gm10277(-87872), Pipox(+18677)	N/A
Chr11	77876221	77876483	Chr11.83285	Gm10277(-88605), Pipox(+17744)	N/A
Chr11	77876939	77877082	Chr11.83290	Gm10277(-89254), Pipox(+17095)	N/A
Chr11	77885209	77885465	Chr11.83336	Gm10277(-97590), Pipox(+8759)	N/A
Chr11	77886170	77886691	Chr11.83341	Gm10277(-98684), Pipox(+7665)	N/A
Chr11	77887341	77887783	Chr11.83346	Gm10277(-99815), Pipox(+6534)	N/A
Chr11	77894071	77894215	Chr11.83364	Pipox(-47)	N/A
Chr11	77908928	77909423	Chr11.83372	Pipox(-3080)	N/A
Chr11	77901492	77901615	Chr11.83379	Sez6(-29246), Pipox(-7458)	N/A
Chr11	77903550	77903786	Chr11.83383	Sez6(-27132), Pipox(-9572)	N/A
Chr11	77909847	77910063	Chr11.83395	Sez6(-20845), Pipox(-15859)	N/A
Chr11	77912282	77912408	Chr11.83399	Sez6(-18455), Pipox(-16249)	N/A
Chr11	77917211	77917380	Chr11.83408	Pipox(-23200), Sez6(-13504)	N/A
Chr11	77917514	77917650	Chr11.83413	Pipox(-23585), Sez6(-13118)	N/A
Chr11	77926672	77926829	Chr11.83430	Sez6(-4049)	N/A
Chr11	77930816	77930924	Chr11.83449	Sez6(+70)	N/A
Chr11	77931266	77931438	Chr11.83453	Sez6(+552)	N/A
Chr11	77938163	77938277	Chr11.83473	Phf12(-44582), Sez6(+7420)	N/A
Chr11	77942376	77942526	Chr11.83480	Phf12(-40351), Sez6(+11651)	N/A
Chr11	77947117	77947272	Chr11.83485	Phf12(-35607), Sez6(+16395)	N/A
Chr11	77948025	77948151	Chr11.83488	Phf12(-34714), Sez6(+17288)	N/A
Chr11	77959346	77959539	Chr11.83525	Phf12(-23359), Sez6(+28643)	N/A
Chr11	77965280	77965411	Chr11.83538	Phf12(-17456), Sez6(+34546)	N/A
Chr11	77965490	77965659	Chr11.83542	Phf12(-17227), Sez6(+34775)	N/A
Chr11	77965903	77966008	Chr11.83544	Phf12(-16846), Sez6(+35156)	N/A
Chr11	77982471	77982826	Chr11.83639	Phf12(-153)	N/A
Chr11	77984665	77984843	Chr11.83658	Dhrs13(-47526), Phf12(+1952)	N/A
Chr11	77984956	77985258	Chr11.83661	Dhrs13(-47173), Phf12(+2305)	N/A
Chr11	77995904	77995946	Chr11.83687	Dhrs13(-36555), Phf12(+12923)	N/A
Chr11	78024390	78024563	Chr11.83766	Dhrs13(-7803), Phf12(+41675)	N/A
Chr11	17415320	17415452	Chr11.8381	C1d(+157792), Elaa1(+538498)	N/A
Chr11	78055047	78055148	Chr11.83854	Flot2(+17167), Era1(+25285)	N/A
Chr11	78060317	78060456	Chr11.83909	Era1(+19996), Flot2(+22456)	N/A
Chr11	78094584	78094816	Chr11.83957	Fam222b(-20906), Era1(-14317)	N/A
Chr11	78095026	78095171	Chr11.83963	Fam222b(-20507), Era1(-14716)	N/A
Chr11	78113733	78114042	Chr11.83975	Fam222b(-1718)	N/A
Chr11	78115317	78115575	Chr11.83979	Fam222b(-160)	N/A
Chr11	78115740	78115915	Chr11.83985	Fam222b(+222)	N/A
Chr11	78121352	78121537	Chr11.84005	Fam222b(+5839), Traf4(+44144)	N/A
Chr11	78152658	78153076	Chr11.84023	Traf4(+12722), Fam222b(+37261)	N/A
Chr11	78156119	78156326	Chr11.84044	Traf4(+8366), Fam222b(+40617)	N/A
Chr11	78156551	78156765	Chr11.84049	Traf4(+8916), Fam222b(+41067)	N/A
Chr11	78157065	78157331	Chr11.84052	Traf4(+8391), Fam222b(+41592)	N/A
Chr11	78159386	78159532	Chr11.84056	Traf4(+6130), Fam222b(+43853)	N/A
Chr11	78162092	78162233	Chr11.84083	Traf4(+3426), Fam222b(+46557)	N/A
Chr11	78183511	78183615	Chr11.84210	Rpl23a(+21)	N/A
Chr11	78188338	78188479	Chr11.84216	Proca1(-4983), Rpl23a(-4825), Rab34(-370)	N/A
Chr11	78240648	78240754	Chr11.84359	Sdf2(-5045), Proca1(+47309)	N/A
Chr11	17457575	17457809	Chr11.8440	C1d(+200098), Elaa1(+496183)	N/A
Chr11	17460172	17460696	Chr11.8450	C1d(+202840), Elaa1(+493441)	N/A
Chr11	78302000	78302231	Chr11.84528	Spag5(+587)	N/A
Chr11	78324719	78324295	Chr11.84609	Pigs(-4178)	N/A
Chr11	17481367	17481605	Chr11.8465	C1d(+223892), Elaa1(+472389)	N/A
Chr11	78345889	78346055	Chr11.84696	Unc119(+2490), Foxn1(+40596)	N/A
Chr11	78363430	78363540	Chr11.84757	Unc119(+20003), Foxn1(+23073)	N/A
Chr11	78363717	78363860	Chr11.84761	Unc119(+20307), Foxn1(+22769)	N/A
Chr11	78364248	78364426	Chr11.84763	Unc119(+20855), Foxn1(+22221)	N/A
Chr11	78384842	78384977	Chr11.84817	Foxn1(+1648), Unc119(+41426)	N/A
Chr11	78386429	78386750	Chr11.84823	Foxn1(-32)	N/A
Chr11	78397104	78397253	Chr11.84841	Foxn1(-10621), Slc13a2(+25038)	N/A
Chr11	78422271	78422370	Chr11.84946	Slc13a2(-104)	N/A
Chr11	78535552	78535654	Chr11.85221	It20(-758), Traf1p(+729)	N/A
Chr11	78539619	78539758	Chr11.85230	Traf1p(+2357), It20(+2328)	N/A
Chr11	78567169	78567285	Chr11.85270	Tmem97(-16450), Nfk(+130146)	N/A
Chr11	78569630	78569719	Chr11.85311	Tmem97(-746237), Nfk(+100359)	N/A
Chr11	78621866	78622141	Chr11.85348	Tmem97(-71227), Nfk(+75369)	N/A
Chr11	78695070	78695300	Chr11.85444	Tmem97(-144408), Nfk(+2188)	N/A
Chr11	78695466	78696759	Chr11.85451	Nfk(+720)	N/A
Chr11	78696924	78697267	Chr11.85453	Nfk(+277)	N/A
Chr11	78697407	78697736	Chr11.85458	Nfk(-199)	N/A

Chr11	78697828	78698121	Chr11.85463	Nlk(-602)	N/A
Chr11	78762395	78762543	Chr11.85521	Lymm9(-64115),Ccnq(-10740)	N/A
Chr11	78771846	78771973	Chr11.85528	Lymm9(-54674),Ccnq(-20181)	N/A
Chr11	78773236	78773581	Chr11.85530	Lymm9(-53175),Ccnq(-21680)	N/A
Chr11	78777865	78778112	Chr11.85540	Lymm9(-48595),Ccnq(-26260)	N/A
Chr11	78782457	78782597	Chr11.85550	Lymm9(-44057),Ccnq(-30798)	N/A
Chr11	78783302	78783479	Chr11.85552	Lymm9(-43193),Ccnq(-31662)	N/A
Chr11	78786136	78786341	Chr11.85556	Lymm9(-40345),Ccnq(-34510)	N/A
Chr11	78782194	78782305	Chr11.85559	Ccnq(-40521),Lymm9(-34334)	N/A
Chr11	78792679	78792809	Chr11.85574	Ccnq(-41016),Lymm9(-33840)	N/A
Chr11	78803735	78803914	Chr11.85579	Ccnq(-52096),Lymm9(-22759)	N/A
Chr11	78825828	78826075	Chr11.85633	Lymm9(-632)	N/A
Chr11	78831647	78831970	Chr11.85642	Nos2(-88978),Lymm9(+5225)	N/A
Chr11	79013983	79014096	Chr11.85686	Lgals9(-29115),Ksr1(+132368)	N/A
Chr11	79017204	79017351	Chr11.85690	Lgals9(-32354),Ksr1(+129129)	N/A
Chr11	17603283	17604004	Chr11.8590	Ctd(-346050),Etaa1(+350231)	N/A
Chr11	79059837	79059957	Chr11.85985	Lgals9(-74973),Ksr1(+86510)	N/A
Chr11	79081379	79081564	Chr11.86000	Lgals9(-96548),Ksr1(+64935)	N/A
Chr11	79090903	79099214	Chr11.86012	Lgals9(-114215),Ksr1(+47268)	N/A
Chr11	79112649	79112767	Chr11.86019	Lgals9(-127764),Ksr1(+33699)	N/A
Chr11	79120785	79120918	Chr11.86040	Lgals9(-144928),Ksr1(+16555)	N/A
Chr11	79135847	79135949	Chr11.86048	Lgals9(-150974),Ksr1(+10509)	N/A
Chr11	79182934	79183166	Chr11.86059	Ksr1(-36643),Wab1(+71621)	N/A
Chr11	79239398	79239515	Chr11.86068	Ksr1(-93050),Wab1(+15214)	N/A
Chr11	79240129	79240248	Chr11.86076	Ksr1(-93782),Wab1(+14482)	N/A
Chr11	79254665	79254770	Chr11.86107	Wab1(-47)	N/A
Chr11	79307243	79307424	Chr11.86130	Nf1(-32491),Gm9964(-10428)	N/A
Chr11	79317584	79317724	Chr11.86137	Nf1(-22171),Gm9964(-20748)	N/A
Chr11	79339451	79339571	Chr11.86148	Nf1(-314)	N/A
Chr11	79339642	79339771	Chr11.86151	Nf1(-118)	N/A
Chr11	79523594	79523803	Chr11.86381	Cmg(-36015),Evi2(+6860)	N/A
Chr11	79229639	17630042	Chr11.8647	Etaa1(+323934),Ctd(-372374)	N/A
Chr11	79615919	79616049	Chr11.86507	Rab11fip4(-24772),Utp6(+346406)	N/A
Chr11	79647056	79647166	Chr11.86518	Rab11fip4(-55899),Utp6(+315279)	N/A
Chr11	79647266	79647378	Chr11.86523	Rab11fip4(+56110),Utp6(+315068)	N/A
Chr11	79669544	79669676	Chr11.86532	Rab11fip4(-78398),Utp6(+292780)	N/A
Chr11	79670310	79670310	Chr11.86535	Rab11fip4(-79037),Utp6(+29214)	N/A
Chr11	79670650	79670762	Chr11.86538	Rab11fip4(-79494),Utp6(+291684)	N/A
Chr11	79674765	79674882	Chr11.86541	Rab11fip4(+83612),Utp6(+287566)	N/A
Chr11	79716583	79716690	Chr11.86628	Rab11fip4(+125425),Utp6(+245753)	N/A
Chr11	79718305	79718605	Chr11.86633	Rab11fip4(+127243),Utp6(+243935)	N/A
Chr11	79739182	79739451	Chr11.86653	Rab11fip4(+148105),Utp6(+223073)	N/A
Chr11	79752536	79752652	Chr11.86665	Rab11fip4(-161382),Utp6(+209796)	N/A
Chr11	79802958	79803071	Chr11.86669	Utp6(+159375),Rab11fip4(+211803)	N/A
Chr11	79806059	79806529	Chr11.86672	Utp6(+156096),Rab11fip4(+215082)	N/A
Chr11	17637203	17637310	Chr11.86689	Etaa1(+316618),Ctd(+379663)	N/A
Chr11	79842377	79842480	Chr11.86694	Utp6(+19991),Rab11fip4(+251217)	N/A
Chr11	79954826	79966107	Chr11.86762	Utp6(-3877)	N/A
Chr11	79992771	79993131	Chr11.86778	Suz12(-155)	N/A
Chr11	79994363	79994562	Chr11.86786	Suz12(+1357),Ctff3(+86528)	N/A
Chr11	80067706	80067833	Chr11.86870	Ctff3(+13221),Suz12(+74664)	N/A
Chr11	80078196	80078322	Chr11.86877	Ctff3(+2732),Suz12(+85153)	N/A
Chr11	17660506	17666736	Chr11.8713	Etaa1(-287254),Ctd(+409027)	N/A
Chr11	80254893	80255000	Chr11.87160	Rhbd3(-45970),Rhot1(+53867)	N/A
Chr11	80284769	80284903	Chr11.87215	Rhbd3(-16076),Rhot1(+75781)	N/A
Chr11	80289867	80289995	Chr11.87224	Rhbd3(-10981),Rhot1(+80876)	N/A
Chr11	80290238	80290342	Chr11.87230	Rhbd3(-10622),Rhot1(+81235)	N/A
Chr11	80292515	80292632	Chr11.87237	Rhbd3(-8338),Rhot1(+83519)	N/A
Chr11	80312199	80312296	Chr11.87263	Rhbd3(+11305),5730455p16nk(+65817)	N/A
Chr11	80315982	80316087	Chr11.87269	Rhbd3(+15123),5730455p16nk(+61999)	N/A
Chr11	80316119	80316237	Chr11.87271	Rhbd3(+15266),5730455p16nk(+61856)	N/A
Chr11	80336431	80336648	Chr11.87305	Rhbd3(+35628),5730455p16nk(+41494)	N/A
Chr11	80432557	80432736	Chr11.87319	5730455p16nk(+35387),Rhbd3(+41735)	N/A
Chr11	17685425	17685687	Chr11.87339	Etaa1(-268329),Ctd(+427952)	N/A
Chr11	80430524	80430630	Chr11.87449	Cdk5r1(-46469),Psmf1(+11952)	N/A
Chr11	17685973	17686107	Chr11.8745	Etaa1(-126783),Ctd(+428446)	N/A
Chr11	17686279	17686780	Chr11.8749	Etaa1(+267345),Ctd(+428936)	N/A
Chr11	80472042	80472256	Chr11.87495	Cdk5r1(-4897)	N/A
Chr11	80480413	80480512	Chr11.87532	Cdk5r1(-3417),Myo1d(+299562)	N/A
Chr11	80480597	80480841	Chr11.87533	Cdk5r1(-3673),Myo1d(+298306)	N/A
Chr11	80498920	80499022	Chr11.87565	Cdk5r1(-22025),Myo1d(+28054)	N/A
Chr11	80518608	80518982	Chr11.87592	Cdk5r1(+41749),Myo1d(+261230)	N/A
Chr11	80549998	80550144	Chr11.87622	Cdk5r1(+73025),Myo1d(+22954)	N/A
Chr11	80551750	80551907	Chr11.87627	Cdk5r1(+74783),Myo1d(+228196)	N/A
Chr11	80577936	80578087	Chr11.87647	Cdk5r1(+100958),Myo1d(+202023)	N/A
Chr11	80578104	80578304	Chr11.87655	Cdk5r1(+101158),Myo1d(+201821)	N/A
Chr11	80603345	80603449	Chr11.87681	Cdk5r1(+126351),Myo1d(-176628)	N/A
Chr11	80622681	80622788	Chr11.87689	Cdk5r1(+145689),Myo1d(+157290)	N/A
Chr11	80623072	80623292	Chr11.87694	Cdk5r1(+146136),Myo1d(+156843)	N/A
Chr11	80778937	80779156	Chr11.87852	Myo1d(+978)	N/A
Chr11	80818111	80818273	Chr11.87889	Spaca3(-40173),Tmem98(+8017)	N/A
Chr11	17726587	17726871	Chr11.8802	Etaa1(+227146),Ctd(+469135)	N/A
Chr11	17726938	17727151	Chr11.8804	Etaa1(+226830),Ctd(+469451)	N/A
Chr11	81142142	81142505	Chr11.88173	Asic2(+10997),Spaca3(+283959)	N/A
Chr11	17750408	17750504	Chr11.8832	Etaa1(+203209),Ctd(+493072)	N/A
Chr11	81290124	81290313	Chr11.88353	5530401a14nk(-570460),Asic2(-136898)	N/A
Chr11	81449381	81449623	Chr11.88488	5530401a14nk(-411227),Asic2(-296131)	N/A
Chr11	81771467	81771584	Chr11.88727	Asic2(-618205),5530401a14nk(-89153)	N/A
Chr11	81778708	81778813	Chr11.88728	Asic2(-625440),5530401a14nk(-81918)	N/A
Chr11	17768426	17768583	Chr11.8879	Etaa1(+185370),Ctd(+510911)	N/A
Chr11	81860709	81860847	Chr11.88790	5530401a14nk(+99)	N/A
Chr11	81863065	81863169	Chr11.88794	Cct2(-172454),5530401a14nk(+2438)	N/A
Chr11	82259744	82259884	Chr11.89032	Tmem132e(-129086),Cct1(-80002)	N/A
Chr11	82387728	82387858	Chr11.89153	Tmem132e(-1107)	N/A
Chr11	82388413	82388573	Chr11.89157	Tmem132e(-407)	N/A
Chr11	82406425	82406602	Chr11.89176	Tmem132e(+17614),Cct6b(+357792)	N/A
Chr11	82418991	82418811	Chr11.89179	Tmem132e(+29851),Cct6b(+345555)	N/A
Chr11	82445722	82445822	Chr11.89293	Tmem132e(+56872),Cct6b(+345555)	N/A
Chr11	82473243	82473453	Chr11.89318	Tmem132e(+84448),Cct6b(+290958)	N/A
Chr11	82487775	82488022	Chr11.89331	Tmem132e(+98999),Cct6b(+276407)	N/A
Chr11	82523380	82523542	Chr11.89370	Tmem132e(+134561),Cct6b(+240845)	N/A
Chr11	82535038	82535200	Chr11.89379	Tmem132e(+146219),Cct6b(+229187)	N/A
Chr11	8262631	82626754	Chr11.89470	Cct6b(+137613),Tmem132e(+237793)	N/A
Chr11	82631417	82631556	Chr11.89476	Cct6b(+132819),Tmem132e(+242587)	N/A
Chr11	82650727	82650881	Chr11.89497	Cct6b(+113502),Tmem132e(+261904)	N/A
Chr11	82662214	82662322	Chr11.89507	Cct6b(+102038),Tmem132e(+273368)	N/A
Chr11	82691011	82691113	Chr11.89522	Cct6b(+73244),Tmem132e(+302162)	N/A
Chr11	82831477	82831999	Chr11.89725	Rffl(+39472),Lig3(+50535)	N/A
Chr11	82846125	82846255	Chr11.89745	Rffl(+25020),Lig3(+64987)	N/A
Chr11	82847687	82847855	Chr11.89751	Rffl(+23438),Lig3(+66559)	N/A
Chr11	82850009	82850511	Chr11.89754	Rffl(+20950),Lig3(+69057)	N/A
Chr11	82851423	82851523	Chr11.89766	Rffl(+19737),Lig3(+70270)	N/A
Chr11	82862825	82862969	Chr11.89783	Rffl(+8313),Lig3(+81694)	N/A
Chr11	82863462	82863616	Chr11.89789	Rffl(+7681),Lig3(+82346)	N/A
Chr11	3648705	3649283	Chr11.898	Mon2a(-495)	N/A
Chr11	17852307	17852488	Chr11.8986	Etaa1(+101477),Ctd(+594804)	N/A
Chr11	82910841	82910971	Chr11.89920	Nle1(-2495),Unc45b(-347)	N/A
Chr11	82911176	82911284	Chr11.89925	Nle1(-2819),Unc45b(-23)	N/A
Chr11	17859895	17860077	Chr11.90006	Etaa1(+93889),Ctd(+602392)	N/A
Chr11	83268706	83268812	Chr11.90168	Pex12(-12218),Slm3(+96429)	N/A
Chr11	83294302	83294444	Chr11.90173	Pex12(-6604),Slm3(+103943)	N/A
Chr11	83302684	83302868	Chr11.90197	Pex12(-3799),Ap2b1(+293)	N/A
Chr11	83303881	83304035	Chr11.90205	Pex12(-4981),Ap2b1(+1475)	N/A
Chr11	83364663	83364864	Chr11.90276	Ras10b(-45308),Ap2b1(+62281)	N/A
Chr11	83382900	83383168	Chr11.90309	Ras10b(-27038),Ap2b1(+80551)	N/A
Chr11	83454891	83454989	Chr11.90494	Mmp28(+8181),170002024nk(+17094)	N/A
Chr11	83458073	83458206	Chr11.90505	Mmp28(+4821),170002024nk(+20454)	N/A
Chr11	83473128	83473392	Chr11.90530	Taff15(+168)	N/A
Chr11	83473440	83473616	Chr11.90534	Taff15(+436)	N/A
Chr11	83793374	83793512	Chr11.90798	Hnf1b(-57412),Heatr6(+39747)	N/A
Chr11	83795983	83796137	Chr11.90802	Hnf1b(-54759),Heatr6(+42364)	N/A
Chr11	83810688	83810799	Chr11.90809	Hnf1b(-40111),Heatr6(+57048)	N/A
Chr11	83819923	83820068	Chr11.90828	Hnf1b(-30859),Heatr6(+66300)	N/A
Chr11	83839490	83839635	Chr11.90845	Hnf1b(-11292),Heatr6(+85867)	N/A
Chr11	83865462	83865604	Chr11.90896	Ddx52(-76529),Hnf1b(+14678)	N/A
Chr11	83867709	83868120	Chr11.90905	Ddx52(-74147),Hnf1b(+17060)	N/A
Chr11	83918983	83919203	Chr11.91027	Ddx52(-22846),Hnf1b(+68243)	N/A
Chr11	83920064	83920180	Chr11.91034	Ddx52(-21940),Hnf1b(+69267)	N/A

Chr11	83925504	83925660	Chr11.91040	Ddx52(-16480),Hnf1b(+74727)	N/A
Chr11	83999950	84000085	Chr11.91153	Syng1(+35590),Dusp14(+68783)	N/A
Chr11	84011092	84011299	Chr11.91197	Syng1(+46788),Dusp14(+57605)	N/A
Chr11	84011759	84011878	Chr11.91203	Syng1(+47391),Dusp14(+56962)	N/A
Chr11	18011211	18011311	Chr11.9126	Gm16140(-997867),Elaa1(-57388)	N/A
Chr11	84048030	84048153	Chr11.91262	Dusp14(+20709),Syng1(+83664)	N/A
Chr11	84048295	84048467	Chr11.91266	Dusp14(+20420),Syng1(+83953)	N/A
Chr11	84053718	84053863	Chr11.91279	Dusp14(+15010),Syng1(+89363)	N/A
Chr11	84067065	84067225	Chr11.91288	Dusp14(+1656),Syng1(+102717)	N/A
Chr11	84073377	84073613	Chr11.91301	Dusp14(-4694)	N/A
Chr11	84077146	84077254	Chr11.91305	Dusp14(-8399),Tada2a(+52400)	N/A
Chr11	84078657	84078818	Chr11.91309	Dusp14(-9937),Tada2a(+50862)	N/A
Chr11	84079281	84079456	Chr11.91315	Dusp14(-10568),Tada2a(+50231)	N/A
Chr11	84097725	84097918	Chr11.91349	Dusp14(-29021),Tada2a(+31778)	N/A
Chr11	84173903	84173903	Chr11.91399	Acaca(+6432),Aatf(+33980)	N/A
Chr11	18014604	18015299	Chr11.9142	Gm16140(-994176),Elaa1(-61077)	N/A
Chr11	84271762	84272273	Chr11.91511	Acaca(+98896),Aatf(+241504)	N/A
Chr11	84272925	84273031	Chr11.91516	Acaca(+98856),Aatf(+240544)	N/A
Chr11	84276954	84277262	Chr11.91522	Acaca(+103986),Aatf(+236414)	N/A
Chr11	84281660	84281792	Chr11.91583	Acaca(+118554),Aatf(+221646)	N/A
Chr11	84324261	84324684	Chr11.91684	Acaca(+151351),Aatf(+189049)	N/A
Chr11	84326406	84326573	Chr11.91705	Acaca(+153368),Aatf(+187032)	N/A
Chr11	84344985	84345100	Chr11.91758	Aatf(+168479),Acaca(+171921)	N/A
Chr11	84345140	84345340	Chr11.91761	Aatf(+168282),Acaca(+172118)	N/A
Chr11	84362703	84362926	Chr11.91835	Aatf(+150707),Acaca(+189693)	N/A
Chr11	84382169	84382287	Chr11.91902	Aatf(+131294),Acaca(+209109)	N/A
Chr11	84413285	84413457	Chr11.91986	Aatf(+100151),Acaca(+240249)	N/A
Chr11	84429789	84430019	Chr11.92020	Aatf(+83618),Acaca(+256782)	N/A
Chr11	84433637	84433943	Chr11.92035	Aatf(+79732),Acaca(+260668)	N/A
Chr11	84450636	84450975	Chr11.92067	Aatf(+62716),Acaca(+277684)	N/A
Chr11	84458057	84458080	Chr11.92142	Aatf(+17351),Acaca(+322649)	N/A
Chr11	84524954	84525153	Chr11.92231	Lhx1(+461)	N/A
Chr11	84525371	84525688	Chr11.92234	Lhx1(+485)	N/A
Chr11	84526072	84526321	Chr11.92240	Lhx1(-182)	N/A
Chr11	84533073	84533180	Chr11.92263	Lhx1(-7112),Mmi1(+286388)	N/A
Chr11	84563048	84563169	Chr11.92327	Lhx1(-37094),Mmi1(+256406)	N/A
Chr11	84563501	84563614	Chr11.92336	Lhx1(-37543),Mmi1(+255957)	N/A
Chr11	84564249	84564373	Chr11.92332	Lhx1(-38296),Mmi1(+255204)	N/A
Chr11	84569407	84569722	Chr11.92342	Lhx1(-43550),Mmi1(+249950)	N/A
Chr11	84574915	84575025	Chr11.92361	Lhx1(-48955),Mmi1(+244545)	N/A
Chr11	84582358	84582592	Chr11.92368	Lhx1(-56460),Mmi1(+237040)	N/A
Chr11	84587088	84587349	Chr11.92373	Lhx1(-61194),Mmi1(+232306)	N/A
Chr11	84592927	84593028	Chr11.92384	Lhx1(-73263),Mmi1(+220337)	N/A
Chr11	84599461	84599602	Chr11.92396	Lhx1(-73517),Mmi1(+219983)	N/A
Chr11	84604621	84604751	Chr11.92400	Lhx1(-78671),Mmi1(+214829)	N/A
Chr11	84604976	84605201	Chr11.92401	Lhx1(-79074),Mmi1(+214426)	N/A
Chr11	84642627	84642726	Chr11.92451	Lhx1(-116662),Mmi1(+176838)	N/A
Chr11	84654039	84654196	Chr11.92462	Lhx1(-128103),Mmi1(+165397)	N/A
Chr11	84661004	84661173	Chr11.92471	Lhx1(-135074),Mmi1(+158426)	N/A
Chr11	84691472	84691653	Chr11.92517	Lhx1(-165548),Mmi1(+127952)	N/A
Chr11	84701835	84701980	Chr11.92524	Lhx1(-175893),Mmi1(+117607)	N/A
Chr11	84702045	84702270	Chr11.92526	Lhx1(-176143),Mmi1(+117357)	N/A
Chr11	84738883	84739290	Chr11.92579	Lhx1(-213072),Mmi1(+80428)	N/A
Chr11	84763085	84761124	Chr11.92592	Lhx1(-234985),Mmi1(+58505)	N/A
Chr11	84761153	84761273	Chr11.92593	Lhx1(-235198),Mmi1(+58302)	N/A
Chr11	84771170	84771273	Chr11.92607	Lhx1(-245207),Mmi1(+48293)	N/A
Chr11	84775091	84775319	Chr11.92617	Lhx1(-249190),Mmi1(+44310)	N/A
Chr11	84775518	84775697	Chr11.92620	Lhx1(-249593),Mmi1(+43907)	N/A
Chr11	84775917	84776160	Chr11.92622	Lhx1(-250024),Mmi1(+43476)	N/A
Chr11	84784363	84784625	Chr11.92632	Lhx1(-258429),Mmi1(+35071)	N/A
Chr11	84808085	84808269	Chr11.92648	Lhx1(-282162),Mmi1(+11338)	N/A
Chr11	84868985	84869111	Chr11.92749	Dhrs11(-40084),Ggnbp2(+1741)	N/A
Chr11	84869714	84869831	Chr11.92753	Dhrs11(-40809),Ggnbp2(+1016)	N/A
Chr11	84870878	84870788	Chr11.92758	Ggnbp2(+8)	N/A
Chr11	84871765	84871868	Chr11.92762	Ggnbp2(-1028)	N/A
Chr11	84881074	84881209	Chr11.92804	Pgw(-947),Myo19(+994)	N/A
Chr11	84959802	84959907	Chr11.92942	Car4(+2067),Usp32(+180183)	N/A
Chr11	84968496	84968595	Chr11.92975	Car4(+10758),Usp32(+171492)	N/A
Chr11	85138748	85139141	Chr11.93133	Usp32(+1093),Car4(+181157)	N/A
Chr11	85141825	85142012	Chr11.93144	Usp32(+1881)	N/A
Chr11	85233494	85233693	Chr11.93219	Appbp2(+1536),1700125h20nk(+62498)	N/A
Chr11	85233769	85233997	Chr11.93226	Appbp2(+1247),1700125h20nk(+62787)	N/A
Chr11	85235055	85235187	Chr11.93233	Appbp2(+9)	N/A
Chr11	85352644	85352789	Chr11.93280	Bcas3(-495)	N/A
Chr11	85352937	85353273	Chr11.93284	Bcas3(-107)	N/A
Chr11	85384071	85384816	Chr11.93311	Tbx2(-448107),Bcas3(+31232)	N/A
Chr11	85392446	85392763	Chr11.93318	Tbx2(-439946),Bcas3(+39393)	N/A
Chr11	85395549	85395790	Chr11.93325	Tbx2(-436881),Bcas3(+42458)	N/A
Chr11	85402553	85402682	Chr11.93331	Tbx2(-429933),Bcas3(+49406)	N/A
Chr11	85428226	85428497	Chr11.93350	Tbx2(-404189),Bcas3(+79150)	N/A
Chr11	85431030	85431450	Chr11.93358	Tbx2(-401311),Bcas3(+78028)	N/A
Chr11	85461672	85461880	Chr11.93373	Tbx2(-370775),Bcas3(+106564)	N/A
Chr11	85470535	85470724	Chr11.93392	Tbx2(-361921),Bcas3(+117418)	N/A
Chr11	85471330	85471624	Chr11.93396	Tbx2(-361074),Bcas3(+118265)	N/A
Chr11	85474235	85474657	Chr11.93398	Tbx2(-358105),Bcas3(+121234)	N/A
Chr11	85478526	85478652	Chr11.93412	Tbx2(-353962),Bcas3(+125377)	N/A
Chr11	85492059	85492034	Chr11.93426	Tbx2(-340024),Bcas3(+139135)	N/A
Chr11	85516758	85517081	Chr11.93445	Tbx2(-315631),Bcas3(+163708)	N/A
Chr11	85520338	85520453	Chr11.93448	Tbx2(-312155),Bcas3(+167184)	N/A
Chr11	85521039	85521251	Chr11.93450	Tbx2(-311406),Bcas3(+167933)	N/A
Chr11	85523730	85523899	Chr11.93452	Tbx2(-308736),Bcas3(+170603)	N/A
Chr11	85525324	85525557	Chr11.93458	Tbx2(-307170),Bcas3(+172229)	N/A
Chr11	85525639	85525814	Chr11.93459	Tbx2(-306854),Bcas3(+172515)	N/A
Chr11	85526225	85526529	Chr11.93462	Tbx2(-306174),Bcas3(+173165)	N/A
Chr11	85538610	85538880	Chr11.93469	Tbx2(-293806),Bcas3(+185533)	N/A
Chr11	85541667	85541853	Chr11.93473	Tbx2(-290791),Bcas3(+188548)	N/A
Chr11	85545940	85545826	Chr11.93485	Tbx2(-286818),Bcas3(+192521)	N/A
Chr11	85545988	85545978	Chr11.93486	Tbx2(-286628),Bcas3(+192711)	N/A
Chr11	85555898	85556341	Chr11.93496	Tbx2(-276431),Bcas3(+202908)	N/A
Chr11	85566288	85566746	Chr11.93516	Tbx2(-266034),Bcas3(+213305)	N/A
Chr11	85571984	85572310	Chr11.93530	Tbx2(-260404),Bcas3(+218935)	N/A
Chr11	85577660	85577829	Chr11.93537	Tbx2(-254806),Bcas3(+224533)	N/A
Chr11	85578077	85578389	Chr11.93540	Tbx2(-254318),Bcas3(+225021)	N/A
Chr11	85584193	85584472	Chr11.93548	Tbx2(-248218),Bcas3(+231121)	N/A
Chr11	85584647	85584822	Chr11.93552	Tbx2(-247816),Bcas3(+231523)	N/A
Chr11	85609956	85610074	Chr11.93586	Tbx2(-222536),Bcas3(+256803)	N/A
Chr11	85611274	85611636	Chr11.93591	Tbx2(-221096),Bcas3(+258243)	N/A
Chr11	85612279	85612604	Chr11.93597	Tbx2(-220109),Bcas3(+259230)	N/A
Chr11	85612666	85612837	Chr11.93601	Tbx2(-219799),Bcas3(+259540)	N/A
Chr11	85613048	85613437	Chr11.93605	Tbx2(-219308),Bcas3(+260021)	N/A
Chr11	85614745	85614860	Chr11.93609	Tbx2(-217748),Bcas3(+261591)	N/A
Chr11	85615214	85615324	Chr11.93612	Tbx2(-217282),Bcas3(+262057)	N/A
Chr11	85615399	85615532	Chr11.93614	Tbx2(-217085),Bcas3(+262254)	N/A
Chr11	85615619	85615786	Chr11.93615	Tbx2(-216948),Bcas3(+262491)	N/A
Chr11	85615963	85616150	Chr11.93618	Tbx2(-216494),Bcas3(+262845)	N/A
Chr11	85618922	85618978	Chr11.93623	Tbx2(-213401),Bcas3(+265938)	N/A
Chr11	85626891	85627061	Chr11.93631	Tbx2(-205575),Bcas3(+273764)	N/A
Chr11	85628354	85628614	Chr11.93638	Tbx2(-204067),Bcas3(+275272)	N/A
Chr11	85628652	85628895	Chr11.93641	Tbx2(-203777),Bcas3(+275562)	N/A
Chr11	85628950	85629080	Chr11.93643	Tbx2(-203536),Bcas3(+275803)	N/A
Chr11	85631799	85632368	Chr11.93647	Tbx2(-200467),Bcas3(+278872)	N/A
Chr11	85632470	85633123	Chr11.93653	Tbx2(-199754),Bcas3(+279585)	N/A
Chr11	85638731	85639326	Chr11.93661	Tbx2(-193522),Bcas3(+285817)	N/A
Chr11	85640452	85640794	Chr11.93672	Tbx2(-191928),Bcas3(+287411)	N/A
Chr11	85641029	85641257	Chr11.93676	Tbx2(-191408),Bcas3(+287931)	N/A
Chr11	85641796	85641925	Chr11.93680	Tbx2(-190690),Bcas3(+288649)	N/A
Chr11	85642403	85642503	Chr11.93685	Tbx2(-190098),Bcas3(+289241)	N/A
Chr11	85644206	85644594	Chr11.93696	Tbx2(-188151),Bcas3(+291188)	N/A
Chr11	85645608	85645768	Chr11.93703	Tbx2(-186863),Bcas3(+292476)	N/A
Chr11	85649410	85649684	Chr11.93707	Tbx2(-183004),Bcas3(+296335)	N/A
Chr11	85657677	85657890	Chr11.93716	Tbx2(-174767),Bcas3(+304572)	N/A
Chr11	85666490	85666656	Chr11.93729	Tbx2(-169718),Bcas3(+313361)	N/A
Chr11	85667674	85666900	Chr11.93733	Tbx2(-164254),Bcas3(+315075)	N/A
Chr11	85669755	85669859	Chr11.93738	Tbx2(-162744),Bcas3(+316595)	N/A
Chr11	85669917	85670096	Chr11.93740	Tbx2(-162544),Bcas3(+316795)	N/A
Chr11	85675335	85675540	Chr11.93752	Tbx2(-157113),Bcas3(+322226)	N/A
Chr11	85676645	85676790	Chr11.93761	Tbx2(-156833),Bcas3(+323506)	N/A
Chr11	85678013	85678206	Chr11.93764	Tbx2(-154441),Bcas3(+324898)	N/A

Chr11		85678445	85679119	Chr11.93766	Tbx2(-153769),Bcas3(+325570)	N/A
Chr11		85682063	85682182	Chr11.93772	Tbx2(-150428),Bcas3(+328911)	N/A
Chr11		85691444	85691578	Chr11.93791	Tbx2(-141040),Bcas3(+326299)	N/A
Chr11		85696419	85696699	Chr11.93806	Tbx2(-135992),Bcas3(+343347)	N/A
Chr11		85696760	85697155	Chr11.93808	Tbx2(-135593),Bcas3(+343746)	N/A
Chr11		85698302	85698554	Chr11.93810	Tbx2(-134123),Bcas3(+345216)	N/A
Chr11		85709209	85709457	Chr11.93828	Tbx2(-123218),Bcas3(+356121)	N/A
Chr11		85709583	85709816	Chr11.93829	Tbx2(-122851),Bcas3(+356488)	N/A
Chr11		85712873	85713043	Chr11.93839	Tbx2(-119593),Bcas3(+359746)	N/A
Chr11		85719101	85719215	Chr11.93858	Tbx2(-113393),Bcas3(+365946)	N/A
Chr11		85719634	85720055	Chr11.93862	Tbx2(-112706),Bcas3(+366633)	N/A
Chr11		85720299	85720580	Chr11.93864	Tbx2(-112111),Bcas3(+367228)	N/A
Chr11		85720784	85720986	Chr11.93868	Tbx2(-111666),Bcas3(+367673)	N/A
Chr11		85734806	85734907	Chr11.93892	Tbx2(-97694),Bcas3(+381645)	N/A
Chr11		85737219	85737822	Chr11.93901	Tbx2(-86503),Bcas3(+384309)	N/A
Chr11		85737990	85738189	Chr11.93909	Tbx2(-94461),Bcas3(+384878)	N/A
Chr11		85739328	85739542	Chr11.93914	Tbx2(-93116),Bcas3(+386223)	N/A
Chr11		85739626	85739912	Chr11.93916	Tbx2(-92782),Bcas3(+386557)	N/A
Chr11		85740195	85740345	Chr11.93919	Tbx2(-92281),Bcas3(+387058)	N/A
Chr11		85743003	85743745	Chr11.93927	Tbx2(-86877),Bcas3(+390462)	N/A
Chr11		85744063	85744624	Chr11.93934	Tbx2(-86402),Bcas3(+392937)	N/A
Chr11		85751201	85751304	Chr11.93942	Tbx2(-81298),Bcas3(+398041)	N/A
Chr11		85754817	85754973	Chr11.93953	Tbx2(-77656),Bcas3(+401683)	N/A
Chr11		85755033	85755212	Chr11.93955	Tbx2(-77428),Bcas3(+401911)	N/A
Chr11		85759860	85760510	Chr11.93966	Tbx2(-72366),Bcas3(+406973)	N/A
Chr11		85761040	85761442	Chr11.93976	Tbx2(-71310),Bcas3(+408298)	N/A
Chr11		85766701	85766850	Chr11.93992	Tbx2(-65775),Bcas3(+413564)	N/A
Chr11		85766914	85767073	Chr11.93993	Tbx2(-65557),Bcas3(+413782)	N/A
Chr11		85767156	85767318	Chr11.93994	Tbx2(-65314),Bcas3(+414025)	N/A
Chr11		85773103	85773295	Chr11.94000	Tbx2(-59352),Bcas3(+419987)	N/A
Chr11		85775629	85776002	Chr11.94005	Tbx2(-56735),Bcas3(+422604)	N/A
Chr11		85776487	85776601	Chr11.94010	Tbx2(-56007),Bcas3(+423332)	N/A
Chr11		85777768	85777872	Chr11.94014	Tbx2(-54731),Bcas3(+424608)	N/A
Chr11		85792899	85793060	Chr11.94045	Tbx2(-39571),Bcas3(+439768)	N/A
Chr11		85797761	85797940	Chr11.94053	Tbx2(-34700),Bcas3(+444639)	N/A
Chr11		85799776	85800375	Chr11.94058	Tbx2(-32475),Bcas3(+446864)	N/A
Chr11		85814268	85814833	Chr11.94089	Tbx2(-18015),Bcas3(+461324)	N/A
Chr11		85815404	85815528	Chr11.94094	Tbx2(-17085),Bcas3(+462254)	N/A
Chr11		85816562	85816683	Chr11.94097	Tbx2(-15928),Bcas3(+463411)	N/A
Chr11		85819651	85819822	Chr11.94099	Tbx2(-12814),Bcas3(+466525)	N/A
Chr11		85825191	85825368	Chr11.94111	Tbx2(-7271),Bcas3(+472068)	N/A
Chr11		85829523	85829505	Chr11.94119	Tbx2(-6547),Bcas3(+472792)	N/A
Chr11		85827345	85827708	Chr11.94123	Tbx2(-6029),Bcas3(+474314)	N/A
Chr11		85829386	85829637	Chr11.94127	Tbx2(-3089)	N/A
Chr11		85832688	85832865	Chr11.94136	Tbx2(+226)	N/A
Chr11		85836173	85836297	Chr11.94154	Tbx2(+3684),Gm11444(+14098)	N/A
Chr11		85839096	85839298	Chr11.94180	Tbx2(+6046),Gm11444(+11136)	N/A
Chr11		85849294	85849450	Chr11.9419	Gm16140(-75975),Elaa1(-295497)	N/A
Chr11		85841547	85841759	Chr11.94202	Gm11444(-46880),Tbx2(+9102)	N/A
Chr11		85841832	85841986	Chr11.94205	Gm11444(+8424),Tbx2(+9358)	N/A
Chr11		85843626	85843756	Chr11.94207	Gm11444(+6642),Tbx2(+11140)	N/A
Chr11		85876412	85876584	Chr11.94218	Gm11444(-26165),Tbx4(-9924)	N/A
Chr11		85876941	85877111	Chr11.94223	Gm11444(-26693),Tbx4(-9398)	N/A
Chr11		85895133	85895312	Chr11.94267	Tbx4(-8801),Brip1(+305970)	N/A
Chr11		85896488	85896587	Chr11.94272	Tbx4(+10116),Brip1(+304655)	N/A
Chr11		85900489	85900607	Chr11.94285	Tbx4(+14126),Brip1(+300645)	N/A
Chr11		85910297	85910438	Chr11.94292	Tbx4(+23946),Brip1(+290825)	N/A
Chr11		85913663	85913784	Chr11.94312	Tbx4(+27292),Brip1(+287479)	N/A
Chr11		85917099	85917282	Chr11.94349	Tbx4(+30769),Brip1(+284002)	N/A
Chr11		85917415	85917648	Chr11.94350	Tbx4(+31110),Brip1(+283661)	N/A
Chr11		85917819	85917934	Chr11.94353	Tbx4(+31455),Brip1(+283316)	N/A
Chr11		85918016	85918365	Chr11.94356	Tbx4(+31769),Brip1(+283002)	N/A
Chr11		85918428	85918716	Chr11.94363	Tbx4(+32150),Brip1(+282621)	N/A
Chr11		85925229	85925462	Chr11.94373	Tbx4(+38924),Brip1(+275847)	N/A
Chr11		85925492	85925768	Chr11.94380	Tbx4(+39207),Brip1(+275554)	N/A
Chr11		85925853	85927079	Chr11.94392	Tbx4(+40544),Brip1(+274227)	N/A
Chr11		85955225	85955570	Chr11.94411	Tbx4(+68976),Brip1(+245795)	N/A
Chr11		85955774	85955983	Chr11.94418	Tbx4(+69457),Brip1(+245314)	N/A
Chr11		85989664	85989922	Chr11.94476	Tbx4(+103371),Brip1(+211400)	N/A
Chr11		85995256	85995622	Chr11.94492	Tbx4(+108967),Brip1(+205894)	N/A
Chr11		85995847	85996210	Chr11.94497	Tbx4(+109607),Brip1(+205164)	N/A
Chr11		85998565	85998938	Chr11.94509	Tbx4(+112330),Brip1(+202441)	N/A
Chr11		85999890	86000069	Chr11.94521	Tbx4(+113558),Brip1(+201213)	N/A
Chr11		86017338	86017546	Chr11.94558	Tbx4(+131020),Brip1(+183751)	N/A
Chr11		86024422	86027018	Chr11.94568	Tbx4(+140297),Brip1(+174474)	N/A
Chr11		86029633	86029719	Chr11.9457	Gm16140(-71202),Elaa1(-343651)	N/A
Chr11		86027404	86027524	Chr11.94571	Tbx4(+141042),Brip1(+173729)	N/A
Chr11		86028156	86028501	Chr11.94574	Tbx4(+141907),Brip1(+172864)	N/A
Chr11		86051008	86051300	Chr11.94598	Brip1(+150039),Tbx4(+164732)	N/A
Chr11		86257194	86257306	Chr11.94796	Ints2(+300)	N/A
Chr11		86356368	86356485	Chr11.94918	Ints2(-98878),Med13(+1176)	N/A
Chr11		86358106	86358465	Chr11.94923	Med13(-684)	N/A
Chr11		86358564	86358667	Chr11.94930	Med13(-1014)	N/A
Chr11		86371359	86371491	Chr11.94941	Rnf11(-112323),Med13(-13823)	N/A
Chr11		86386654	86386759	Chr11.94954	Rnf11(-97950),Med13(-29105)	N/A
Chr11		86387886	86387808	Chr11.94960	Rnf11(-86910),Med13(-30145)	N/A
Chr11		86397295	86397458	Chr11.94967	Rnf11(-87280),Med13(-39775)	N/A
Chr11		86445125	86445235	Chr11.95026	Med13(-87578),Rnf11(-39477)	N/A
Chr11		86472935	86473119	Chr11.95043	Med13(-115425),Rnf11(-11630)	N/A
Chr11		86473179	86473379	Chr11.95045	Med13(-115677),Rnf11(-11378)	N/A
Chr11		86543625	86543821	Chr11.95169	Tubd1(-1268),Rps6kb1(+1082)	N/A
Chr11		86543930	86544028	Chr11.95170	Tubd1(-980),Rps6kb1(+794)	N/A
Chr11		86570156	86570417	Chr11.95217	Tubd1(-25296),Vmp1(+113549)	N/A
Chr11		86577080	86577211	Chr11.95222	Tubd1(-32155),Vmp1(+106690)	N/A
Chr11		86577253	86577427	Chr11.95225	Tubd1(+32349),Vmp1(+106496)	N/A
Chr11		86580194	86580368	Chr11.95233	Tubd1(+35290),Vmp1(+103555)	N/A
Chr11		86580469	86580568	Chr11.95236	Tubd1(+35258),Vmp1(+103317)	N/A
Chr11		86580615	86580723	Chr11.95238	Tubd1(+35678),Vmp1(+103167)	N/A
Chr11		86586901	86587037	Chr11.95266	Tubd1(+41978),Vmp1(+96867)	N/A
Chr11		86587153	86587367	Chr11.95268	Tubd1(+42269),Vmp1(+96576)	N/A
Chr11		86596206	86596624	Chr11.95284	Tubd1(+51424),Vmp1(+87421)	N/A
Chr11		86622475	86622650	Chr11.95313	Vmp1(+61273),Tubd1(+77572)	N/A
Chr11		86624305	86624644	Chr11.95317	Vmp1(+59361),Tubd1(+79484)	N/A
Chr11		86650720	86651012	Chr11.95346	Vmp1(+32970),Tubd1(+105875)	N/A
Chr11		86683731	86683856	Chr11.95376	Pthr2(-191),Vmp1(+42)	N/A
Chr11		86699835	86700048	Chr11.95421	Pthr2(+15957),Ctcf(+57623)	N/A
Chr11		86734338	86734544	Chr11.95493	Ctcf(+23124),Pthr2(+50456)	N/A
Chr11		86745735	86745898	Chr11.95512	Ctcf(+11749),Pthr2(+61832)	N/A
Chr11		86746207	86746368	Chr11.95515	Ctcf(+11277),Pthr2(+62303)	N/A
Chr11		86752442	86757651	Chr11.95534	Ctcf(+118)	N/A
Chr11		86757775	86757876	Chr11.95538	Ctcf(-261)	N/A
Chr11		86806925	86807317	Chr11.95604	Dhx40(+575)	N/A
Chr11		86851400	86851648	Chr11.95630	Dhx40(-43828),Ypel2(+142183)	N/A
Chr11		86861791	86861920	Chr11.95648	Dhx40(-54160),Ypel2(+131851)	N/A
Chr11		86867081	86867282	Chr11.95659	Dhx40(-59476),Ypel2(+126535)	N/A
Chr11		86867639	86867774	Chr11.95662	Dhx40(-60071),Ypel2(+126000)	N/A
Chr11		86876532	86876643	Chr11.95674	Dhx40(-68892),Ypel2(+117119)	N/A
Chr11		86920389	86920621	Chr11.95718	Dhx40(-112809),Ypel2(+73202)	N/A
Chr11		86950537	86950523	Chr11.95776	Dhx40(-142734),Ypel2(+43277)	N/A
Chr11		86950589	86950735	Chr11.95777	Dhx40(-142966),Ypel2(+42049)	N/A
Chr11		86958053	86958161	Chr11.95787	Dhx40(-150411),Ypel2(+35600)	N/A
Chr11		86958238	86958473	Chr11.95790	Dhx40(-150660),Ypel2(+35351)	N/A
Chr11		86959282	86959440	Chr11.95800	Dhx40(-151665),Ypel2(+34346)	N/A
Chr11		86959579	86959694	Chr11.95803	Dhx40(-151941),Ypel2(+34070)	N/A
Chr11		86962109	86962261	Chr11.95805	Dhx40(-154489),Ypel2(+31522)	N/A
Chr11		86969277	86969778	Chr11.95813	Dhx40(-161832),Ypel2(+24179)	N/A
Chr11		86972832	86972994	Chr11.95826	Dhx40(-165217),Ypel2(+20794)	N/A
Chr11		86973854	86974044	Chr11.95829	Dhx40(-166253),Ypel2(+19758)	N/A
Chr11		86975592	86975738	Chr11.95834	Dhx40(-167969),Ypel2(+18042)	N/A
Chr11		86983212	86983476	Chr11.95837	Dhx40(-175648),Ypel2(+10363)	N/A
Chr11		86993655	86993920	Chr11.95846	Ypel2(-47)	N/A
Chr11		86994520	86994646	Chr11.95851	Ypel2(-678)	N/A
Chr11		87108905	87109322	Chr11.95960	Prr1(-406),Ska2(-120)	N/A
Chr11		87109442	87109552	Chr11.95973	Prr1(-789),Ska2(+263)	N/A
Chr11		87240933	87241079	Chr11.96114	Trim37(+113929),Ppm1e(+118017)	N/A
Chr11		87247480	87247634	Chr11.96135	Ppm1e(+111466),Trim37(+120480)	N/A
Chr11		87270650	87271432	Chr11.96154	Ppm1e(-87832),Trim37(+144114)	N/A
Chr11		87357552	87357854	Chr11.96185	Ppm1e(+1320),Trim37(+230626)	N/A

Chr11	87358975	87359115	Chr11.96190	<i>Ppm1e</i> (-22)	N/A
Chr11	87385755	87385982	Chr11.96221	<i>Ppm1e</i> (-26846), <i>Rad51c</i> (+18654)	N/A
Chr11	87388215	87388391	Chr11.96226	<i>Ppm1e</i> (-29260), <i>Rad51c</i> (+16220)	N/A
Chr11	87404299	87404421	Chr11.96243	<i>Tex14</i> (-705), <i>Rad51c</i> (+163)	N/A
Chr11	87543040	87543165	Chr11.96344	<i>Gm1</i> (1492(-23550), <i>Tex14</i> (+138038))	N/A
Chr11	87570195	87570313	Chr11.96380	<i>SepM4</i> (-10787), <i>Gm1</i> (1492(+3601))	N/A
Chr11	87571519	87571685	Chr11.96387	<i>SepM4</i> (-9439), <i>Gm1</i> (1492(+4949))	N/A
Chr11	87573939	87574057	Chr11.96396	<i>SepM4</i> (-7043), <i>Gm1</i> (1492(+7345))	N/A
Chr11	875779419	875779623	Chr11.96422	<i>SepM4</i> (-1520)	N/A
Chr11	87579661	87579811	Chr11.96425	<i>SepM4</i> (-1305)	N/A
Chr11	87580776	87580912	Chr11.96428	<i>SepM4</i> (-197)	N/A
Chr11	87581008	87581217	Chr11.96432	<i>SepM4</i> (+72)	N/A
Chr11	87582057	87582238	Chr11.96434	<i>Mtmr4</i> (-10014), <i>SepM4</i> (+1107)	N/A
Chr11	87584800	87584966	Chr11.96450	<i>Mtmr4</i> (-7273), <i>SepM4</i> (+3842)	N/A
Chr11	87590423	87590548	Chr11.96474	<i>Mtmr4</i> (-1676)	N/A
Chr11	87591902	87592420	Chr11.96479	<i>Mtmr4</i> (-1)	N/A
Chr11	87592879	87592986	Chr11.96492	<i>Mtmr4</i> (+771)	N/A
Chr11	87595759	87595884	Chr11.96499	<i>Hsf5</i> (-21342), <i>Mtmr4</i> (+3660)	N/A
Chr11	87596076	87596194	Chr11.96500	<i>Hsf5</i> (-21029), <i>Mtmr4</i> (+3973)	N/A
Chr11	87596269	87596463	Chr11.96502	<i>Hsf5</i> (-20798), <i>Mtmr4</i> (+4204)	N/A
Chr11	87596578	87596810	Chr11.96506	<i>Hsf5</i> (-20470), <i>Mtmr4</i> (+4332)	N/A
Chr11	87657755	87657944	Chr11.96641	<i>Rnf43</i> (-5237), <i>Hsf5</i> (+40686)	N/A
Chr11	87662602	87662785	Chr11.96661	<i>Rnf43</i> (-393)	N/A
Chr11	87662878	87663427	Chr11.96663	<i>Rnf43</i> (+66)	N/A
Chr11	87663559	87663788	Chr11.96668	<i>Rnf43</i> (+587)	N/A
Chr11	87664199	87664514	Chr11.96675	<i>SupM4</i> (-73195), <i>Rnf43</i> (+1270)	N/A
Chr11	87665276	87665431	Chr11.96686	<i>SupM4</i> (-72198), <i>Rnf43</i> (+2267)	N/A
Chr11	87677709	87678253	Chr11.96703	<i>SupM4</i> (-59571), <i>Rnf43</i> (+14894)	N/A
Chr11	87678501	87678694	Chr11.96707	<i>SupM4</i> (-58954), <i>Rnf43</i> (+15511)	N/A
Chr11	87679014	87679181	Chr11.96711	<i>SupM4</i> (-58454), <i>Rnf43</i> (+16011)	N/A
Chr11	87682801	87682987	Chr11.96727	<i>SupM4</i> (-54558), <i>Rnf43</i> (+19807)	N/A
Chr11	87683120	87683392	Chr11.96729	<i>SupM4</i> (-54296), <i>Rnf43</i> (+20169)	N/A
Chr11	87689481	87689739	Chr11.96748	<i>SupM4</i> (-47942), <i>Rnf43</i> (+26523)	N/A
Chr11	18443466	18443736	Chr11.9675	<i>Gm1</i> (6140(-565527), <i>Etaa1</i> (-489728))	N/A
Chr11	87696972	87697281	Chr11.96755	<i>SupM4</i> (-40425), <i>Rnf43</i> (+34040)	N/A
Chr11	87709096	87709940	Chr11.96785	<i>SupM4</i> (-27734), <i>Rnf43</i> (+46731)	N/A
Chr11	87709969	87710220	Chr11.96787	<i>SupM4</i> (-27457), <i>Rnf43</i> (+47008)	N/A
Chr11	18443938	18444104	Chr11.9679	<i>Gm1</i> (6140(-565107), <i>Etaa1</i> (-490146))	N/A
Chr11	87725247	87725430	Chr11.96793	<i>SupM4</i> (-12213), <i>Rnf43</i> (+62252)	N/A
Chr11	87726014	87726193	Chr11.96795	<i>SupM4</i> (-11448), <i>Rnf43</i> (+63017)	N/A
Chr11	18444160	18444391	Chr11.9680	<i>Gm1</i> (6140(-564852), <i>Etaa1</i> (-490401))	N/A
Chr11	18444427	18444681	Chr11.9683	<i>Gm1</i> (6140(-564474), <i>Etaa1</i> (-490779))	N/A
Chr11	87754509	87753535	Chr11.96840	<i>SupM4</i> (-2090)	N/A
Chr11	87754106	87754255	Chr11.96873	<i>Tspoap1</i> (-6360), <i>SupM4</i> (+16629)	N/A
Chr11	87754695	87754797	Chr11.96877	<i>Tspoap1</i> (-5795), <i>SupM4</i> (+17194)	N/A
Chr11	87755316	87755477	Chr11.96879	<i>Tspoap1</i> (-5144), <i>SupM4</i> (+17845)	N/A
Chr11	87756825	87756956	Chr11.96885	<i>Tspoap1</i> (-3650)	N/A
Chr11	87760363	87760516	Chr11.96894	<i>Tspoap1</i> (-101)	N/A
Chr11	87760688	87761008	Chr11.96897	<i>Tspoap1</i> (+397)	N/A
Chr11	87763702	87763831	Chr11.96917	<i>Mpo</i> (-29814), <i>Tspoap1</i> (+3226)	N/A
Chr11	87765289	87765416	Chr11.96927	<i>Mpo</i> (-28228), <i>Tspoap1</i> (+4812)	N/A
Chr11	18451180	18451542	Chr11.9699	<i>Gm1</i> (6140(-557767), <i>Etaa1</i> (-497486))	N/A
Chr11	87778654	87778755	Chr11.97021	<i>Mpo</i> (-14878), <i>Tspoap1</i> (+18164)	N/A
Chr11	87816968	87817105	Chr11.97247	<i>Lpo</i> (+9076), <i>Mpo</i> (+23456)	N/A
Chr11	87979508	87979718	Chr11.97567	<i>Offr464</i> (-64610), <i>Dynl2</i> (+7920)	N/A
Chr11	87981238	87981402	Chr11.97580	<i>Offr464</i> (-66317), <i>Dynl2</i> (+6213)	N/A
Chr11	87986320	87986463	Chr11.97593	<i>Offr464</i> (-71389), <i>Dynl2</i> (+1141)	N/A
Chr11	87987572	87987672	Chr11.97598	<i>Dynl2</i> (-89)	N/A
Chr11	88009668	88010125	Chr11.97614	<i>Sraf1</i> (-37326), <i>Dynl2</i> (-22514)	N/A
Chr11	88011767	88011928	Chr11.97618	<i>Sraf1</i> (-36525), <i>Dynl2</i> (-24315)	N/A
Chr11	88028516	88029677	Chr11.97625	<i>Dynl2</i> (-41064), <i>Sraf1</i> (-18776)	N/A
Chr11	88047257	88047368	Chr11.97637	<i>Sraf1</i> (-60)	N/A
Chr11	88049913	88050154	Chr11.97657	<i>Vezf1</i> (-18245), <i>Sraf1</i> (+2661)	N/A
Chr11	88050314	88050526	Chr11.97658	<i>Vezf1</i> (-17858), <i>Sraf1</i> (+3048)	N/A
Chr11	88067567	88067677	Chr11.97695	<i>Vezf1</i> (-457)	N/A
Chr11	88067920	88068030	Chr11.97698	<i>Vezf1</i> (-304)	N/A
Chr11	88069263	88069380	Chr11.97702	<i>Cuedc1</i> (-29824), <i>Vezf1</i> (+1043)	N/A
Chr11	88069473	88069647	Chr11.97703	<i>Cuedc1</i> (-29586), <i>Vezf1</i> (+1281)	N/A
Chr11	88070310	88070710	Chr11.97707	<i>Cuedc1</i> (-28636), <i>Vezf1</i> (+2231)	N/A
Chr11	88071065	88071371	Chr11.97712	<i>Cuedc1</i> (-27928), <i>Vezf1</i> (+2839)	N/A
Chr11	88080860	88081112	Chr11.97749	<i>Cuedc1</i> (-18110), <i>Vezf1</i> (+12757)	N/A
Chr11	88083978	88084281	Chr11.97773	<i>Cuedc1</i> (-15016), <i>Vezf1</i> (+15851)	N/A
Chr11	88084416	88084761	Chr11.97777	<i>Cuedc1</i> (-14557), <i>Vezf1</i> (+16310)	N/A
Chr11	88109858	88110018	Chr11.97789	<i>Mps23</i> (-94450), <i>Cuedc1</i> (+10792)	N/A
Chr11	88111819	88111936	Chr11.97793	<i>Mps23</i> (-92510), <i>Cuedc1</i> (+12732)	N/A
Chr11	88130278	88130494	Chr11.97807	<i>Mps23</i> (-65002), <i>Cuedc1</i> (+40249)	N/A
Chr11	88148976	88149213	Chr11.97819	<i>Mps23</i> (-55293), <i>Cuedc1</i> (+49949)	N/A
Chr11	88151568	88151720	Chr11.97822	<i>Mps23</i> (-52744), <i>Cuedc1</i> (+52498)	N/A
Chr11	88153999	88154121	Chr11.97825	<i>Mps23</i> (-50328), <i>Cuedc1</i> (+54914)	N/A
Chr11	88159149	88159252	Chr11.97830	<i>Mps23</i> (-45187), <i>Cuedc1</i> (+60055)	N/A
Chr11	88161296	88161491	Chr11.97834	<i>Mps23</i> (-42994), <i>Cuedc1</i> (+62248)	N/A
Chr11	88161772	88161917	Chr11.97839	<i>Mps23</i> (-42543), <i>Cuedc1</i> (+62699)	N/A
Chr11	88172307	88172599	Chr11.97857	<i>Mps23</i> (-31635), <i>Cuedc1</i> (+73307)	N/A
Chr11	88181263	88181363	Chr11.97869	<i>Mps23</i> (-23075), <i>Cuedc1</i> (+82167)	N/A
Chr11	18535251	18535460	Chr11.9787	<i>Etaa1</i> (-581481), <i>Gm1</i> (6140(-473772))	N/A
Chr11	88181410	88181544	Chr11.97871	<i>Mps23</i> (-22911), <i>Cuedc1</i> (+82331)	N/A
Chr11	88187266	88187375	Chr11.97894	<i>Mps23</i> (-17067), <i>Cuedc1</i> (+88175)	N/A
Chr11	88216017	88216189	Chr11.97944	<i>Cdc182</i> (-77940), <i>Mps23</i> (+11715)	N/A
Chr11	88216403	88216522	Chr11.97949	<i>Cdc182</i> (-77580), <i>Mps23</i> (+12075)	N/A
Chr11	88233737	88234170	Chr11.97954	<i>Cdc182</i> (-60089), <i>Mps23</i> (+29566)	N/A
Chr11	88280251	88280594	Chr11.98008	<i>Cdc182</i> (-13620), <i>Mps23</i> (+76035)	N/A
Chr11	88286155	88286364	Chr11.98011	<i>Cdc182</i> (-7783), <i>Mps23</i> (+81872)	N/A
Chr11	88288001	88288700	Chr11.98013	<i>Cdc182</i> (-6592), <i>Mps23</i> (+84253)	N/A
Chr11	88288936	88289083	Chr11.98015	<i>Cdc182</i> (-5033), <i>Mps23</i> (+84622)	N/A
Chr11	88301418	88301709	Chr11.98036	<i>Cdc182</i> (+7521), <i>Msi2</i> (+416537)	N/A
Chr11	88309382	88309488	Chr11.98048	<i>Cdc182</i> (+15392), <i>Msi2</i> (+408666)	N/A
Chr11	88311526	88311687	Chr11.98050	<i>Cdc182</i> (+17654), <i>Msi2</i> (+406504)	N/A
Chr11	88313699	88313887	Chr11.98053	<i>Cdc182</i> (+19750), <i>Msi2</i> (+404306)	N/A
Chr11	88348171	88348412	Chr11.98129	<i>Cdc182</i> (+54249), <i>Msi2</i> (+369809)	N/A
Chr11	88349720	88350043	Chr11.98137	<i>Cdc182</i> (+55839), <i>Msi2</i> (+368219)	N/A
Chr11	88356865	88357045	Chr11.98149	<i>Cdc182</i> (+62912), <i>Msi2</i> (+361146)	N/A
Chr11	88357368	88357478	Chr11.98155	<i>Cdc182</i> (+63380), <i>Msi2</i> (+360678)	N/A
Chr11	88363869	88364030	Chr11.98166	<i>Cdc182</i> (+69907), <i>Msi2</i> (+354151)	N/A
Chr11	88364941	88365067	Chr11.98170	<i>Cdc182</i> (+70951), <i>Msi2</i> (+353977)	N/A
Chr11	88378747	88378869	Chr11.98196	<i>Cdc182</i> (+84765), <i>Msi2</i> (+339293)	N/A
Chr11	88389019	88389245	Chr11.98215	<i>Cdc182</i> (+95089), <i>Msi2</i> (+328969)	N/A
Chr11	88389640	88389890	Chr11.98220	<i>Cdc182</i> (+95722), <i>Msi2</i> (+328336)	N/A
Chr11	88404425	88404564	Chr11.98247	<i>Cdc182</i> (+110452), <i>Msi2</i> (+313606)	N/A
Chr11	88405123	88405359	Chr11.98254	<i>Cdc182</i> (+111198), <i>Msi2</i> (+312869)	N/A
Chr11	88414336	88414679	Chr11.98271	<i>Cdc182</i> (+120465), <i>Msi2</i> (+303503)	N/A
Chr11	88419510	88419634	Chr11.98288	<i>Cdc182</i> (+125529), <i>Msi2</i> (+298529)	N/A
Chr11	88421808	88422249	Chr11.98293	<i>Cdc182</i> (+127986), <i>Msi2</i> (+296072)	N/A
Chr11	88424127	88424570	Chr11.98301	<i>Cdc182</i> (+130306), <i>Msi2</i> (+293752)	N/A
Chr11	88425585	88425722	Chr11.98308	<i>Cdc182</i> (+131611), <i>Msi2</i> (+292447)	N/A
Chr11	88431187	88431400	Chr11.98314	<i>Cdc182</i> (+137251), <i>Msi2</i> (+288807)	N/A
Chr11	88431607	88431831	Chr11.98316	<i>Cdc182</i> (+137676), <i>Msi2</i> (+286382)	N/A
Chr11	88432078	88432258	Chr11.98322	<i>Cdc182</i> (+138125), <i>Msi2</i> (+285933)	N/A
Chr11	88438688	88438866	Chr11.98333	<i>Cdc182</i> (+144734), <i>Msi2</i> (+279324)	N/A
Chr11	88455121	88455233	Chr11.98368	<i>Cdc182</i> (+161134), <i>Msi2</i> (+262924)	N/A
Chr11	88456556	88456656	Chr11.98371	<i>Cdc182</i> (+161523), <i>Msi2</i> (+262525)	N/A
Chr11	88460492	88460777	Chr11.98387	<i>Cdc182</i> (+166592), <i>Msi2</i> (+257466)	N/A
Chr11	88464122	88464377	Chr11.98394	<i>Cdc182</i> (+170207), <i>Msi2</i> (+253851)	N/A
Chr11	88464464	88464680	Chr11.98396	<i>Cdc182</i> (+170529), <i>Msi2</i> (+253529)	N/A
Chr11	88467964	88468094	Chr11.98409	<i>Cdc182</i> (+173986), <i>Msi2</i> (+250072)	N/A
Chr11	88468439	88468545	Chr11.98412	<i>Cdc182</i> (+174449), <i>Msi2</i> (+249609)	N/A
Chr11	88472172	88472369	Chr11.98416	<i>Cdc182</i> (+178228), <i>Msi2</i> (+245830)	N/A
Chr11	88472644	88472879	Chr11.98425	<i>Cdc182</i> (+178719), <i>Msi2</i> (+245339)	N/A
Chr11	88482194	88482311	Chr11.98451	<i>Cdc182</i> (+188210), <i>Msi2</i> (+235848)	N/A
Chr11	88482466	88482875	Chr11.98454	<i>Cdc182</i> (+188628), <i>Msi2</i> (+235430)	N/A
Chr11	88488722	88488875	Chr11.98470	<i>Cdc182</i> (+194756), <i>Msi2</i> (+229302)	N/A
Chr11	88489055	88489460	Chr11.98470	<i>Cdc182</i> (+195188), <i>Msi2</i> (+228870)	N/A
Chr11	88497537	88497637	Chr11.98485	<i>Cdc182</i> (+203544), <i>Msi2</i> (+220514)	N/A
Chr11	88497883	88497991	Chr11.98486	<i>Cdc182</i> (+203594), <i>Msi2</i> (+220164)	N/A
Chr11	88506282	88506489	Chr11.98494	<i>Msi2</i> (+211715), <i>Cdc182</i> (+212343)	N/A
Chr11	88508085	88508184			

Chr11	88521115	88521342	Chr11.98523	Msi2(+196872), Ccdc182(+227186)	N/A
Chr11	88521390	88521575	Chr11.98526	Msi2(+196818), Ccdc182(+227440)	N/A
Chr11	88522775	88522976	Chr11.98532	Msi2(+195228), Ccdc182(+228839)	N/A
Chr11	88523340	88523538	Chr11.98543	Msi2(+192862), Ccdc182(+231398)	N/A
Chr11	88526837	88527061	Chr11.98547	Msi2(+191152), Ccdc182(+232906)	N/A
Chr11	88528998	88529200	Chr11.98556	Msi2(+189002), Ccdc182(+235056)	N/A
Chr11	88533973	88534600	Chr11.98563	Msi2(+183814), Ccdc182(+240244)	N/A
Chr11	88534851	88534970	Chr11.98575	Msi2(+183190), Ccdc182(+240688)	N/A
Chr11	88537451	88537683	Chr11.98581	Msi2(+180534), Ccdc182(+243524)	N/A
Chr11	88538689	88538844	Chr11.98585	Msi2(+179334), Ccdc182(+247274)	N/A
Chr11	88540277	88540389	Chr11.98590	Msi2(+177768), Ccdc182(+246290)	N/A
Chr11	88541780	88541930	Chr11.98593	Msi2(+176246), Ccdc182(+247812)	N/A
Chr11	88542692	88542818	Chr11.98596	Msi2(+175346), Ccdc182(+248712)	N/A
Chr11	88542904	88543021	Chr11.98599	Msi2(+175138), Ccdc182(+249620)	N/A
Chr11	88547943	88548229	Chr11.98608	Msi2(+170015), Ccdc182(+254043)	N/A
Chr11	88549869	88550100	Chr11.98613	Msi2(+168116), Ccdc182(+255942)	N/A
Chr11	88550216	88550363	Chr11.98615	Msi2(+167811), Ccdc182(+256247)	N/A
Chr11	88550399	88550570	Chr11.98619	Msi2(+167616), Ccdc182(+256442)	N/A
Chr11	88553560	88553710	Chr11.98630	Msi2(+164466), Ccdc182(+259592)	N/A
Chr11	88555232	88555511	Chr11.98633	Msi2(+162729), Ccdc182(+261329)	N/A
Chr11	88551959	88552108	Chr11.98648	Msi2(+156687), Ccdc182(+267991)	N/A
Chr11	88564934	88565050	Chr11.98654	Msi2(+153109), Ccdc182(+270949)	N/A
Chr11	88573088	88573296	Chr11.98675	Msi2(+144809), Ccdc182(+279149)	N/A
Chr11	88574244	88574470	Chr11.98681	Msi2(+143744), Ccdc182(+280314)	N/A
Chr11	88577024	88577373	Chr11.98685	Msi2(+140932), Ccdc182(+283156)	N/A
Chr11	88579498	88579601	Chr11.98694	Msi2(+138551), Ccdc182(+285507)	N/A
Chr11	88581792	88582033	Chr11.98691	Msi2(+136188), Ccdc182(+287870)	N/A
Chr11	88582745	88583192	Chr11.98695	Msi2(+135132), Ccdc182(+288926)	N/A
Chr11	88583286	88583579	Chr11.98699	Msi2(+134668), Ccdc182(+289390)	N/A
Chr11	88585147	88585626	Chr11.98708	Msi2(+132764), Ccdc182(+291294)	N/A
Chr11	88587153	88587302	Chr11.98717	Msi2(+130873), Ccdc182(+293185)	N/A
Chr11	88595744	88595892	Chr11.98734	Msi2(+122833), Ccdc182(+301775)	N/A
Chr11	88599192	88599348	Chr11.98740	Msi2(+118831), Ccdc182(+305227)	N/A
Chr11	88599440	88599549	Chr11.98744	Msi2(+118606), Ccdc182(+305452)	N/A
Chr11	88601038	88601200	Chr11.98747	Msi2(+116982), Ccdc182(+307076)	N/A
Chr11	88603703	88604022	Chr11.98756	Msi2(+114238), Ccdc182(+309620)	N/A
Chr11	88608054	88608156	Chr11.98770	Msi2(+109966), Ccdc182(+314062)	N/A
Chr11	88608760	88608866	Chr11.98781	Msi2(+109288), Ccdc182(+314770)	N/A
Chr11	88620339	88620671	Chr11.98795	Msi2(+97596), Ccdc182(+326462)	N/A
Chr11	88625250	88625391	Chr11.98816	Msi2(+92780), Ccdc182(+331278)	N/A
Chr11	88626368	88626521	Chr11.98822	Msi2(+91656), Ccdc182(+332402)	N/A
Chr11	88629224	88629378	Chr11.98824	Msi2(+88800), Ccdc182(+335258)	N/A
Chr11	88644735	88645068	Chr11.98842	Msi2(+73196), Ccdc182(+350559)	N/A
Chr11	88654846	88654996	Chr11.98859	Msi2(+63180), Ccdc182(+360878)	N/A
Chr11	88661032	88661139	Chr11.98870	Msi2(+57015), Ccdc182(+367043)	N/A
Chr11	88661811	88661920	Chr11.98871	Msi2(+56235), Ccdc182(+367823)	N/A
Chr11	88662831	88663021	Chr11.98878	Msi2(+55175), Ccdc182(+368883)	N/A
Chr11	88675998	88676100	Chr11.98904	Msi2(+42052), Ccdc182(+382026)	N/A
Chr11	88681536	88681636	Chr11.98908	Msi2(+36515), Ccdc182(+387543)	N/A
Chr11	88682236	88682442	Chr11.98915	Msi2(+35762), Ccdc182(+388296)	N/A
Chr11	88683244	88683364	Chr11.98918	Msi2(+34787), Ccdc182(+389261)	N/A
Chr11	88685775	88686205	Chr11.98924	Msi2(+32111), Ccdc182(+391947)	N/A
Chr11	88690287	88690488	Chr11.98937	Msi2(+27713), Ccdc182(+396345)	N/A
Chr11	88692345	88692482	Chr11.98943	Msi2(+25687), Ccdc182(+398371)	N/A
Chr11	88697430	88697580	Chr11.98965	Msi2(+20596), Ccdc182(+403462)	N/A
Chr11	88702387	88702572	Chr11.98973	Msi2(+15621), Ccdc182(+408437)	N/A
Chr11	88702770	88703084	Chr11.98977	Msi2(+15174), Ccdc182(+408884)	N/A
Chr11	88703190	88703414	Chr11.98982	Msi2(+14799), Ccdc182(+409259)	N/A
Chr11	88707382	88707525	Chr11.98991	Msi2(+10647), Ccdc182(+414111)	N/A
Chr11	88709149	88709429	Chr11.98999	Msi2(+8618), Ccdc182(+45246)	N/A
Chr11	88710987	88711134	Chr11.99005	Msi2(+7040), Ccdc182(+417018)	N/A
Chr11	88714749	88715005	Chr11.99024	Msi2(+3224), Ccdc182(+420834)	N/A
Chr11	88718920	88719087	Chr11.99043	Msi2(-903)	N/A
Chr11	88726380	88726681	Chr11.99047	Msi2(-8430), Akap1(+138055)	N/A
Chr11	88759066	88759414	Chr11.99087	Msi2(-41139), Akap1(+105346)	N/A
Chr11	88803445	88803708	Chr11.99113	Msi2(-85476), Akap1(+61009)	N/A
Chr11	88820945	88821071	Chr11.99137	Msi2(-102907), Akap1(+43578)	N/A
Chr11	88841411	88841615	Chr11.99185	Msi2(-123412), Akap1(+23073)	N/A
Chr11	88843765	88843870	Chr11.99189	Msi2(-125717), Akap1(+20768)	N/A
Chr11	88851406	88851557	Chr11.99212	Msi2(-133381), Akap1(+13104)	N/A
Chr11	88856986	88856990	Chr11.99216	Msi2(-138537), Akap1(+7948)	N/A
Chr11	88857394	88857507	Chr11.99217	Msi2(-139350), Akap1(+7135)	N/A
Chr11	89100878	89101252	Chr11.99488	Gm525(+27224), Nogi(+201494)	N/A
Chr11	89114043	89114174	Chr11.99509	Gm525(+40268), Nogi(+188450)	N/A
Chr11	89124376	89124568	Chr11.99523	Gm525(+50631), Nogi(+178087)	N/A
Chr11	89141948	89142081	Chr11.99526	Gm525(+68174), Nogi(+160546)	N/A
Chr11	89142495	89142664	Chr11.99531	Gm525(+68739), Nogi(+159979)	N/A
Chr11	89142801	89143010	Chr11.99534	Gm525(+69065), Nogi(+159653)	N/A
Chr11	89145278	89145645	Chr11.99540	Gm525(+71621), Nogi(+157097)	N/A
Chr11	89153321	89153519	Chr11.99548	Gm525(+79579), Nogi(+149139)	N/A
Chr11	89175223	89175406	Chr11.99559	Gm525(+101474), Nogi(+127244)	N/A
Chr11	89175457	89175604	Chr11.99560	Gm525(+101680), Nogi(+120559)	N/A
Chr11	89175774	89175876	Chr11.99564	Gm525(+101984), Nogi(+126734)	N/A
Chr11	89179444	89179551	Chr11.99571	Gm525(+105657), Nogi(+123061)	N/A
Chr11	89187044	89187273	Chr11.99576	Gm525(+113318), Nogi(+115400)	N/A
Chr11	89209396	89209835	Chr11.99586	Nogi(+92943), Gm525(+135775)	N/A
Chr11	89209821	89210045	Chr11.99589	Nogi(+92878), Gm525(+136142)	N/A
Chr11	89253832	89253959	Chr11.99619	Nogi(+48653), Gm525(+180055)	N/A
Chr11	89259464	89259623	Chr11.99625	Nogi(+43015), Gm525(+185703)	N/A
Chr11	89297703	89297904	Chr11.99667	Nogi(+4755), Gm525(+223963)	N/A
Chr11	89298436	89298548	Chr11.99674	Nogi(+4067), Gm525(+224651)	N/A
Chr11	89298599	89298787	Chr11.99677	Nogi(+3876), Gm525(+224842)	N/A
Chr11	89298819	89299273	Chr11.99679	Nogi(+3513), Gm525(+225355)	N/A
Chr11	89300093	89300292	Chr11.99681	Nogi(+2366), Gm525(+226352)	N/A
Chr11	89300927	89301259	Chr11.99688	Nogi(+1466), Gm525(+227252)	N/A
Chr11	89307819	89308001	Chr11.99701	Nogi(-5351), Ankfn1(+111038)	N/A
Chr11	89312793	89312886	Chr11.99708	Nogi(-10287), Ankfn1(+106102)	N/A
Chr11	89317282	89317704	Chr11.99722	Nogi(-14639), Ankfn1(+101450)	N/A
Chr11	89317764	89317950	Chr11.99725	Nogi(-15288), Ankfn1(+101091)	N/A
Chr11	89318583	89318748	Chr11.99731	Nogi(-16107), Ankfn1(+100282)	N/A
Chr11	89319636	89319835	Chr11.99734	Nogi(-17177), Ankfn1(+99212)	N/A
Chr11	89326161	89326316	Chr11.99740	Nogi(-23680), Ankfn1(+92709)	N/A
Chr11	89327525	89327931	Chr11.99746	Nogi(-25169), Ankfn1(+91220)	N/A
Chr11	89339915	89340279	Chr11.99750	Nogi(-37538), Ankfn1(+78851)	N/A
Chr11	89355718	89356136	Chr11.99762	Nogi(-53368), Ankfn1(+63021)	N/A
Chr11	89371183	89371356	Chr11.99789	Nogi(-68711), Ankfn1(+47678)	N/A
Chr11	89373102	89373341	Chr11.99800	Nogi(-70663), Ankfn1(+45726)	N/A
Chr11	89373866	89373996	Chr11.99803	Nogi(-71082), Ankfn1(+45307)	N/A
Chr11	89374379	89374487	Chr11.99810	Nogi(-71879), Ankfn1(+44510)	N/A
Chr11	89381949	89382085	Chr11.99818	Nogi(-79458), Ankfn1(+36931)	N/A
Chr11	89382115	89382223	Chr11.99819	Nogi(-79610), Ankfn1(+36779)	N/A
Chr11	89382306	89382525	Chr11.99822	Nogi(-79857), Ankfn1(+36532)	N/A
Chr11	89382654	89382847	Chr11.99823	Nogi(-80192), Ankfn1(+36197)	N/A
Chr11	18622209	18622222	Chr11.9987	Etaa1(-668251), Gm16140(-387002)	N/A
Chr11	89400664	89400873	Chr11.99879	Nogi(-98210), Ankfn1(+18179)	N/A
Chr11	89408331	89408607	Chr11.99896	Nogi(-105910), Ankfn1(+10479)	N/A
Chr11	89408885	89409068	Chr11.99901	Nogi(-106418), Ankfn1(+9971)	N/A
Chr11	89420845	89421819	Chr11.99930	Ankfn1(-2384)	N/A
Chr11	89423246	89423390	Chr11.99943	Ankfn1(-4370)	N/A
Chr11	89440758	89440912	Chr11.99988	Ankfn1(-27897), Ankfn1(+192796)	N/A
Chr12	11780805	11794292	Chr12.100038	Cdca7(-34586), Raggel5(-292230)	N/A
Chr12	13174024	13174227	Chr12.10004	Mycn(-232212), Ddx1(+75087)	N/A
Chr12	13184642	13185105	Chr12.10021	Mycn(-242960), Ddx1(+64339)	N/A
Chr12	117915033	117915332	Chr12.100227	Cdca7(+71668), Dnah11(+283860)	N/A
Chr12	13185151	13185265	Chr12.10029	Mycn(-243294), Ddx1(+64005)	N/A
Chr12	117942157	11794292	Chr12.100301	Cdca7(+98710), Dnah11(+256818)	N/A
Chr12	13202436	13202569	Chr12.10047	Mycn(-250589), Ddx1(+46710)	N/A
Chr12	13209086	13209251	Chr12.10051	Mycn(-267255), Ddx1(+40044)	N/A
Chr12	13209968	13210155	Chr12.10055	Mycn(-268148), Ddx1(+39151)	N/A
Chr12	13212236	13212386	Chr12.10056	Mycn(-270387), Ddx1(+36912)	N/A
Chr12	13214838	13215040	Chr12.10062	Mycn(-273075), Ddx1(+34224)	N/A
Chr12	118300974	118301133	Chr12.10069	Sp4(-386)	N/A
Chr12	118302159	118302462	Chr12.100914	Sp4(-871)	N/A
Chr12	118510851	118510952	Chr12.101101	Sp8(-335427), Sp4(-209462)	N/A
Chr12	118519948	118520497	Chr12.101114	Sp8(-326106), Sp4(-218783)	N/A
Chr12	118529683	118530031	Chr12.101131	Sp8(-316472), Sp4(-228417)	N/A
Chr12	118530245	118530489	Chr12.101132	Sp8(-315962), Sp4(-228927)	N/A
Chr12	118540277	118540561	Chr12.101144	Sp8(-305910), Sp4(-238979)	N/A

Chr12	118540763	118540866	Chr12.101152	Sp8(-305514),Sp4(-239375)	N/A
Chr12	118595251	118595469	Chr12.101262	Sp4(-293920),Sp8(-250969)	N/A
Chr12	118620960	118621162	Chr12.101292	Sp4(-319621),Sp8(-225268)	N/A
Chr12	118621378	118621688	Chr12.101297	Sp4(-320082),Sp8(-224807)	N/A
Chr12	118622014	118622153	Chr12.101304	Sp4(-320644),Sp8(-224245)	N/A
Chr12	118649455	118649591	Chr12.101361	Sp4(-348083),Sp8(-196806)	N/A
Chr12	13255732	13256039	Chr12.10137	Nbas(-13241),Ddx1(-6673)	N/A
Chr12	118659274	118659890	Chr12.101385	Sp4(-358142),Sp8(-186747)	N/A
Chr12	118661041	118661371	Chr12.101397	Sp4(-359766),Sp8(-185123)	N/A
Chr12	118719231	118719457	Chr12.101460	Sp4(-417904),Sp8(-126985)	N/A
Chr12	118787144	118787500	Chr12.101593	Sp4(-485882),Sp8(-59007)	N/A
Chr12	118842676	118842937	Chr12.101673	Sp8(-3522)	N/A
Chr12	118843454	118843598	Chr12.101675	Sp8(-2803)	N/A
Chr12	118847204	118847309	Chr12.101694	Sp8(-4928)	N/A
Chr12	118850562	118850717	Chr12.101726	Sp8(+4311),Abcb5(+115781)	N/A
Chr12	118854494	118854664	Chr12.101751	Sp8(+5250),Abcb5(+111942)	N/A
Chr12	119165197	119165357	Chr12.102093	Abcb5(-198856),Ilgb8(+73525)	N/A
Chr12	119236365	119236532	Chr12.102191	Abcb5(-270028),Ilgb8(+2353)	N/A
Chr12	119239833	119240041	Chr12.102211	Ilgb8(-1139)	N/A
Chr12	119945672	119945914	Chr12.102537	Trnm1196(-170)	N/A
Chr12	4247889	4248314	Chr12.1103	Cenpo(-13808),Ncoa1(+229080)	N/A
Chr12	15566216	15566494	Chr12.11382	Trb2(+250430)	N/A
Chr12	15617165	15617689	Chr12.11418	Trb2(+199358)	N/A
Chr12	15704678	15704800	Chr12.11482	Trb2(+112046)	N/A
Chr12	15731409	15731587	Chr12.11508	Trb2(+85287)	N/A
Chr12	4283593	4285503	Chr12.1153	Cenpo(-51154),Ncoa1(+191734)	N/A
Chr12	15766064	15766165	Chr12.11541	Trb2(-50670)	N/A
Chr12	15811715	15812028	Chr12.11594	Trb2(+4913)	N/A
Chr12	15812592	15812763	Chr12.11605	Trb2(+4107)	N/A
Chr12	15813289	15813480	Chr12.11610	Trb2(+3410)	N/A
Chr12	15813469	15813595	Chr12.11611	Trb2(+3243)	N/A
Chr12	15813663	15813820	Chr12.11613	Trb2(-3043)	N/A
Chr12	15832723	15832928	Chr12.11635	Trb2(-16041),Lpin1(+756944)	N/A
Chr12	15937833	15937941	Chr12.11693	Trb2(-121102),Lpin1(+651883)	N/A
Chr12	15937983	15938084	Chr12.11695	Trb2(-121249),Lpin1(+651736)	N/A
Chr12	16046346	16046540	Chr12.11760	Trb2(-229658),Lpin1(+543327)	N/A
Chr12	16046819	16046924	Chr12.11762	Trb2(-230067),Lpin1(+542898)	N/A
Chr12	16151242	16151738	Chr12.11827	Trb2(-334705),Lpin1(+438280)	N/A
Chr12	16151892	16152093	Chr12.11832	Trb2(-335208),Lpin1(+437777)	N/A
Chr12	16156245	16156491	Chr12.11841	Trb2(-339583),Lpin1(+433402)	N/A
Chr12	16165206	16165351	Chr12.11854	Trb2(-348494),Lpin1(+424491)	N/A
Chr12	16185705	16185845	Chr12.11865	Trb2(-368990),Lpin1(+403999)	N/A
Chr12	16320555	16320868	Chr12.11935	Trb2(-503926),Lpin1(+269059)	N/A
Chr12	16378292	16378407	Chr12.11973	Trb2(-561565),Lpin1(+211420)	N/A
Chr12	16382771	16382920	Chr12.11979	Trb2(-566061),Lpin1(+206924)	N/A
Chr12	16383575	16383764	Chr12.11983	Trb2(-566885),Lpin1(+206100)	N/A
Chr12	16392004	16392135	Chr12.11992	Trb2(-575285),Lpin1(+197700)	N/A
Chr12	16425195	16425305	Chr12.12002	Trb2(-608484),Lpin1(+164520)	N/A
Chr12	16426297	16426404	Chr12.12004	Trb2(-609566),Lpin1(+163419)	N/A
Chr12	16509192	16509325	Chr12.12066	Trb2(-692474),Lpin1(+80511)	N/A
Chr12	16532401	16532515	Chr12.12073	Trb2(-715673),Lpin1(+57312)	N/A
Chr12	16532566	16532705	Chr12.12076	Trb2(-715851),Lpin1(+57134)	N/A
Chr12	16559643	16559745	Chr12.12149	Trb2(-741909),Lpin1(+31078)	N/A
Chr12	4374958	4375142	Chr12.1233	Cenpo(-140768),Ncoa1(+102132)	N/A
Chr12	4386113	4386234	Chr12.1244	Cenpo(-151880),Ncoa1(+91008)	N/A
Chr12	16789870	16789988	Chr12.12507	Greb1(+10755),Ntsr2(+136459)	N/A
Chr12	16836232	16836350	Chr12.12548	Rock2(-58687),E2f6(+25326)	N/A
Chr12	16844681	16844799	Chr12.12555	Rock2(-50238),E2f6(+33775)	N/A
Chr12	16877614	16877768	Chr12.12580	Rock2(-12787),E2f6(+60726)	N/A
Chr12	16896558	16896671	Chr12.12592	Rock2(-16377),Ppic3(+103503)	N/A
Chr12	17183724	17183875	Chr12.12814	Pdia6(-82745),Kcnf1(-6912)	N/A
Chr12	4475209	4475448	Chr12.1282	Cenpo(-241035),Ncoa1(+1853)	N/A
Chr12	4477733	4477783	Chr12.1291	Ncoa1(-621)	N/A
Chr12	17390190	17390394	Chr12.13000	Odc1(-145881),Naf10(+41834)	N/A
Chr12	17393299	17393438	Chr12.13004	Odc1(-151504),Naf10(+44911)	N/A
Chr12	17444531	17444704	Chr12.13038	Odc1(-100255),Naf10(+96160)	N/A
Chr12	17546145	17546278	Chr12.13074	Hpcal1(-144602),Odc1(+1339)	N/A
Chr12	17557600	17557820	Chr12.13119	Hpcal1(-133104),Odc1(+12837)	N/A
Chr12	17693080	17693192	Chr12.13136	B430203g13nk(-231158),Hpcal1(+2322)	N/A
Chr12	17762577	17762776	Chr12.13151	B430203g13nk(-161617),Hpcal1(+71863)	N/A
Chr12	45098656	4510048	Chr12.1319	Itsn2(-63056),Ncoa1(-32770)	N/A
Chr12	4523210	4523569	Chr12.1327	Itsn2(-69618),Ncoa1(-46208)	N/A
Chr12	4523755	4524126	Chr12.1328	Itsn2(-69067),Ncoa1(-46759)	N/A
Chr12	4524733	4524920	Chr12.1334	Itsn2(-68181),Ncoa1(-47645)	N/A
Chr12	21135917	21136056	Chr12.13356	Asap2(-24239),Ilgb1bp1(+150250)	N/A
Chr12	4548088	4548456	Chr12.13354	Ncoa1(-71090),Itsn2(+4736)	N/A
Chr12	21417707	21417853	Chr12.13735	Ywhaq(-344)	N/A
Chr12	21419030	21419171	Chr12.13742	Ywhaq(-1665)	N/A
Chr12	21424761	21424903	Chr12.13745	Ywhaq(-7396)	N/A
Chr12	4594163	4594294	Chr12.1380	Itsn2(+1221),Gm17541(+95697)	N/A
Chr12	4613095	4613221	Chr12.1380	Itsn2(+20150),Gm17541(+17678)	N/A
Chr12	24538448	24538737	Chr12.13902	Ghl1(-35694),Taf1b(+38012)	N/A
Chr12	24536912	24537226	Chr12.13906	Ghl1(-35218),Taf1b(+38488)	N/A
Chr12	24537904	24538175	Chr12.13909	Ghl1(-34247),Taf1b(+39459)	N/A
Chr12	24573857	24574027	Chr12.13950	Klfl1(-77429),Ghl1(+1655)	N/A
Chr12	24574982	24575146	Chr12.13955	Klfl1(-76307),Ghl1(+2777)	N/A
Chr12	24576163	24576285	Chr12.13964	Klfl1(-75147),Ghl1(+3937)	N/A
Chr12	24587882	24588025	Chr12.14008	Klfl1(-63417),Ghl1(+15667)	N/A
Chr12	24963060	24963212	Chr12.14263	Kidins220(-11796),Mboat2(+131537)	N/A
Chr12	24964088	24964250	Chr12.14267	Kidins220(-10763),Mboat2(+132570)	N/A
Chr12	24964288	24964397	Chr12.14271	Kidins220(-10589),Mboat2(+132744)	N/A
Chr12	25034196	25034297	Chr12.14376	Kidins220(-59315),Id2(+61845)	N/A
Chr12	25040444	25040416	Chr12.14514	Id2(-1963),Kidins220(+119189)	N/A
Chr12	2504767	2504892	Chr12.14518	Id2(-1262),Kidins220(+119898)	N/A
Chr12	25096805	25096939	Chr12.14532	Id2(-780)	N/A
Chr12	25097538	25097851	Chr12.14537	Id2(-1603)	N/A
Chr12	25098829	25098997	Chr12.14547	Id2(-2821)	N/A
Chr12	25099699	25100130	Chr12.14552	Id2(-3973)	N/A
Chr12	25100913	25101043	Chr12.14560	Id2(-4886)	N/A
Chr12	25190459	25190625	Chr12.14611	Id2(-94450)	N/A
Chr12	25209251	25209605	Chr12.14625	Id2(-113286)	N/A
Chr12	25235145	25235399	Chr12.14652	Id2(-139180)	N/A
Chr12	25235574	25235815	Chr12.14654	Id2(-139603)	N/A
Chr12	25240221	25240329	Chr12.14662	Id2(-144183)	N/A
Chr12	25249034	25249193	Chr12.14671	Id2(-153022)	N/A
Chr12	25250926	25251063	Chr12.14676	Id2(-154903)	N/A
Chr12	25251514	25251613	Chr12.14680	Id2(-155472)	N/A
Chr12	25274811	25275131	Chr12.14702	Id2(-178879)	N/A
Chr12	25301109	25301235	Chr12.14716	Id2(-205080)	N/A
Chr12	25305107	25305239	Chr12.14722	Id2(-209081)	N/A
Chr12	25311978	25312085	Chr12.14744	Id2(-215940)	N/A
Chr12	25365211	25365327	Chr12.14796	Id2(-269177)	N/A
Chr12	25436525	25436834	Chr12.14892	Id2(-340588),Rnf144a(+978576)	N/A
Chr12	25473564	25475884	Chr12.14938	Id2(-379532),Rnf144a(+939632)	N/A
Chr12	25533911	25534207	Chr12.14983	Id2(-437967),Rnf144a(+861197)	N/A
Chr12	25534506	25534699	Chr12.14986	Id2(-43851),Rnf144a(+880653)	N/A
Chr12	25544462	25544577	Chr12.14991	Id2(-448428),Rnf144a(+870736)	N/A
Chr12	25572968	25573293	Chr12.15003	Id2(-477039),Rnf144a(+842125)	N/A
Chr12	25609133	25609255	Chr12.15029	Id2(-513102),Rnf144a(+806062)	N/A
Chr12	25617571	25617714	Chr12.15039	Id2(-521551),Rnf144a(+797613)	N/A
Chr12	25631087	25631301	Chr12.15053	Id2(-535103),Rnf144a(+784062)	N/A
Chr12	25655096	25655071	Chr12.15080	Id2(-554897),Rnf144a(+764267)	N/A
Chr12	25651156	25651320	Chr12.15082	Id2(-555146),Rnf144a(+764018)	N/A
Chr12	25665679	25665867	Chr12.15095	Id2(-569681),Rnf144a(+749483)	N/A
Chr12	25702374	25702536	Chr12.15131	Id2(-606363),Rnf144a(+712801)	N/A
Chr12	25702787	25703211	Chr12.15133	Id2(-608097),Rnf144a(+712257)	N/A
Chr12	25782078	25782240	Chr12.15171	Id2(-686067),Rnf144a(+633097)	N/A
Chr12	25785904	25786033	Chr12.15179	Id2(-698877),Rnf144a(+629287)	N/A
Chr12	25830155	25830271	Chr12.15205	Id2(-734121),Rnf144a(+585043)	N/A
Chr12	25844359	25844612	Chr12.15222	Id2(-748394),Rnf144a(+570770)	N/A
Chr12	25947373	25947480	Chr12.15307	Id2(-851339),Rnf144a(+467829)	N/A
Chr12	25978456	25978606	Chr12.15335	Id2(-882439),Rnf144a(+36725)	N/A
Chr12	26068193	26068575	Chr12.15396	Id2(-972292),Rnf144a(+346872)	N/A
Chr12	26075873	26075980	Chr12.15407	Id2(-979835),Rnf144a(+339329)	N/A
Chr12	26112251	26112463	Chr12.15438	Rnf144a(+302899)	N/A
Chr12	26191560	26191674	Chr12.15489	Rnf144a(+223639)	N/A
Chr12	26219625	26219796	Chr12.15540	Rnf144a(+195545)	N/A
Chr12	26379787	26379912	Chr12.15650	Rnf144a(+254096)	N/A

Chr12	26488542	26488653	Chr12.15755	Cmpk2(+19394), Sox11(+854111)	N/A
Chr12	26533390	26533506	Chr12.15787	Cmpk2(+64244), Sox11(+809261)	N/A
Chr12	26534481	26534605	Chr12.15790	Cmpk2(+65339), Sox11(+808166)	N/A
Chr12	26534969	26534977	Chr12.15793	Cmpk2(+65719), Sox11(+807166)	N/A
Chr12	26613347	26613490	Chr12.15851	Cmpk2(+144215), Sox11(+729290)	N/A
Chr12	26618049	26618239	Chr12.15854	Cmpk2(+148940), Sox11(+724565)	N/A
Chr12	26620951	26621152	Chr12.15857	Cmpk2(+151848), Sox11(+721657)	N/A
Chr12	26621360	26621574	Chr12.15862	Cmpk2(+152263), Sox11(+721242)	N/A
Chr12	26631902	26632054	Chr12.15879	Cmpk2(+162774), Sox11(+710731)	N/A
Chr12	26633036	26633612	Chr12.15883	Cmpk2(+166256), Sox11(+707260)	N/A
Chr12	26653822	26653958	Chr12.15888	Cmpk2(+184686), Sox11(+688819)	N/A
Chr12	26734243	26734373	Chr12.15930	Cmpk2(+265104), Sox11(+608401)	N/A
Chr12	26734416	26734588	Chr12.15934	Cmpk2(+265298), Sox11(+608207)	N/A
Chr12	26734619	26734796	Chr12.15937	Cmpk2(+265504), Sox11(+608007)	N/A
Chr12	26735467	26735590	Chr12.15944	Cmpk2(+266325), Sox11(+607180)	N/A
Chr12	26758744	26758920	Chr12.15955	Cmpk2(+289629), Sox11(+583877)	N/A
Chr12	26796741	26796902	Chr12.15993	Cmpk2(+327618), Sox11(+545887)	N/A
Chr12	26802640	26802923	Chr12.16004	Cmpk2(+333578), Sox11(+539927)	N/A
Chr12	26810546	26810954	Chr12.16017	Cmpk2(+341546), Sox11(+531959)	N/A
Chr12	26815354	26815469	Chr12.16025	Cmpk2(+346208), Sox11(+527297)	N/A
Chr12	26877823	26878065	Chr12.16065	Cmpk2(+408740), Sox11(+464765)	N/A
Chr12	26885556	26885829	Chr12.16073	Cmpk2(+416489), Sox11(+457016)	N/A
Chr12	26886295	26886660	Chr12.16077	Cmpk2(+417274), Sox11(+456231)	N/A
Chr12	26886867	26887007	Chr12.16081	Cmpk2(+417733), Sox11(+455772)	N/A
Chr12	26903731	26903961	Chr12.16087	Cmpk2(+434645), Sox11(+438860)	N/A
Chr12	26906130	26906336	Chr12.16094	Sox11(+438478), Cmpk2(+437029)	N/A
Chr12	26934952	26935059	Chr12.16111	Sox11(+407703), Cmpk2(+465802)	N/A
Chr12	26936768	26937067	Chr12.16115	Sox11(+405791), Cmpk2(+467714)	N/A
Chr12	26967344	26967459	Chr12.16125	Sox11(+375307), Cmpk2(+498198)	N/A
Chr12	26972724	26972881	Chr12.16133	Sox11(+369906), Cmpk2(+503599)	N/A
Chr12	27017850	27018000	Chr12.16150	Sox11(+324779), Cmpk2(+548726)	N/A
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Chr12	27064973	27065321	Chr12.16213	Sox11(+277562), Cmpk2(+595894)	N/A
Chr12	27066170	27066285	Chr12.16218	Sox11(+276481), Cmpk2(+597024)	N/A
Chr12	27115314	27115414	Chr12.16239	Sox11(+227345), Cmpk2(+646160)	N/A
Chr12	27127101	27127367	Chr12.16246	Sox11(+218478), Cmpk2(+658030)	N/A
Chr12	27134367	27134568	Chr12.16260	Sox11(+208249), Cmpk2(+665259)	N/A
Chr12	27143308	27143426	Chr12.16275	Sox11(+199342), Cmpk2(+674163)	N/A
Chr12	27150730	27150832	Chr12.16277	Sox11(+191928), Cmpk2(+681577)	N/A
Chr12	27151230	27151515	Chr12.16279	Sox11(+191336), Cmpk2(+682169)	N/A
Chr12	27173524	27173720	Chr12.16292	Sox11(+169087), Cmpk2(+704418)	N/A
Chr12	27187517	27188012	Chr12.16297	Sox11(+154944), Cmpk2(+718561)	N/A
Chr12	27236020	27236135	Chr12.16315	Sox11(+106861), Cmpk2(+766874)	N/A
Chr12	27248510	27248696	Chr12.16321	Sox11(+94106), Cmpk2(+779399)	N/A
Chr12	27283457	27283566	Chr12.16336	Sox11(+59197), Cmpk2(+814308)	N/A
Chr12	4813791	4814007	Chr12.16335	SF3b6(-3709)	N/A
Chr12	27335304	27335867	Chr12.16380	Sox11(+71723), Cmpk2(+866382)	N/A
Chr12	27335897	27336165	Chr12.16384	Sox11(+6678), Cmpk2(+866927)	N/A
Chr12	27336395	27336839	Chr12.16390	Sox11(+6092), Cmpk2(+867413)	N/A
Chr12	27337335	27337454	Chr12.16398	Sox11(+5314), Cmpk2(+868191)	N/A
Chr12	27337967	27338257	Chr12.16401	Sox11(+4597), Cmpk2(+868908)	N/A
Chr12	27338290	27338511	Chr12.16405	Sox11(+4308), Cmpk2(+869197)	N/A
Chr12	27339892	27340130	Chr12.16414	Sox11(+2698), Cmpk2(+870807)	N/A
Chr12	27340245	27340636	Chr12.16415	Sox11(+2258), Cmpk2(+871237)	N/A
Chr12	27342676	27342780	Chr12.16431	Sox11(-19)	N/A
Chr12	27410618	27410772	Chr12.16458	Sox11(-67986)	N/A
Chr12	27431941	27432058	Chr12.16465	Sox11(-89291)	N/A
Chr12	27472387	27472506	Chr12.16479	Sox11(-129738)	N/A
Chr12	27472622	27472918	Chr12.16483	Sox11(-130061)	N/A
Chr12	27502773	27502992	Chr12.16516	Sox11(-160174)	N/A
Chr12	27513396	27513538	Chr12.16533	Sox11(-170758)	N/A
Chr12	27536886	27537030	Chr12.16543	Sox11(-194249)	N/A
Chr12	27537199	27537338	Chr12.16545	Sox11(-194560)	N/A
Chr12	27646668	27646842	Chr12.16624	Sox11(-304048), Dcdc2c(+905548)	N/A
Chr12	27646965	27646853	Chr12.16632	Sox11(-322050), Dcdc2c(+887549)	N/A
Chr12	27845176	27845344	Chr12.16675	Sox11(-602551), Dcdc2c(+707043)	N/A
Chr12	27933200	27933029	Chr12.16703	Sox11(-590266), Dcdc2c(+619328)	N/A
Chr12	27946877	27947397	Chr12.16706	Sox11(-604428), Dcdc2c(+605166)	N/A
Chr12	27978287	27978442	Chr12.16723	Sox11(-635656), Dcdc2c(+573938)	N/A
Chr12	27978577	27978713	Chr12.16726	Sox11(-635636), Dcdc2c(+573658)	N/A
Chr12	28048655	28049111	Chr12.16748	Sox11(-706324), Dcdc2c(+603270)	N/A
Chr12	28238156	28238319	Chr12.16805	Sox11(-895529), Dcdc2c(+314065)	N/A
Chr12	28268911	28269043	Chr12.16823	Sox11(-926268), Dcdc2c(+283326)	N/A
Chr12	28358944	28359205	Chr12.16847	Dcdc2c(+193228)	N/A
Chr12	28365850	28365980	Chr12.16855	Dcdc2c(+186388)	N/A
Chr12	28376448	28376696	Chr12.16860	Dcdc2c(+175731)	N/A
Chr12	28401573	28401691	Chr12.16883	Dcdc2c(+150671)	N/A
Chr12	28552088	28552206	Chr12.16946	Dcdc2c(+156)	N/A
Chr12	28607726	28607838	Chr12.17014	Allec-25259), Colec11(+15508)	N/A
Chr12	28673212	28673426	Chr12.17067	Adi1(-1912)	N/A
Chr12	28859793	28860054	Chr12.17192	Myt1l(-669460), Elpr1(+108096)	N/A
Chr12	28863219	28863329	Chr12.17201	Myt1l(-6665110), Elpr1(+111446)	N/A
Chr12	29015576	29015777	Chr12.17251	Myt1l(-512706), Elpr1(+263850)	N/A
Chr12	29050847	29051055	Chr12.17261	Myt1l(-477433), Elpr1(+299123)	N/A
Chr12	29095937	29096104	Chr12.17268	Myt1l(-432363), Elpr1(+344193)	N/A
Chr12	29137065	29137168	Chr12.17275	Myt1l(-391267), Elpr1(+385289)	N/A
Chr12	29232734	29233021	Chr12.17302	Myt1l(-395506), Elpr1(+481056)	N/A
Chr12	29247196	29247351	Chr12.17318	Myt1l(-281110), Elpr1(+495446)	N/A
Chr12	29280209	29280479	Chr12.17328	Myt1l(-248040), Elpr1(+528516)	N/A
Chr12	29354025	29354295	Chr12.17350	Myt1l(-174224), Elpr1(+602332)	N/A
Chr12	29526261	29526370	Chr12.17383	Myt1l(-2068)	N/A
Chr12	29527454	29527699	Chr12.17388	Myt1l(-807)	N/A
Chr12	29528062	29528707	Chr12.17390	Myt1l(+1)	N/A
Chr12	29530387	29530793	Chr12.17403	Pxdn(-407446), Myt1l(+2206)	N/A
Chr12	29534506	29534675	Chr12.17426	Pxdn(-403445), Myt1l(+6207)	N/A
Chr12	29534714	29534867	Chr12.17427	Pxdn(-403245), Myt1l(+6407)	N/A
Chr12	29534897	29535306	Chr12.17434	Pxdn(-402934), Myt1l(+6718)	N/A
Chr12	29538072	29538571	Chr12.17454	Pxdn(-399714), Myt1l(+9938)	N/A
Chr12	29630001	29630438	Chr12.17475	Pxdn(-307816), Myt1l(-101835)	N/A
Chr12	29698181	29698316	Chr12.17502	Pxdn(-239787), Myt1l(+196865)	N/A
Chr12	29789381	29789598	Chr12.17535	Pxdn(-148546), Myt1l(+261106)	N/A
Chr12	29790009	29790163	Chr12.17538	Pxdn(-147950), Myt1l(+261702)	N/A
Chr12	29831662	29831782	Chr12.17597	Pxdn(-106314), Myt1l(+303338)	N/A
Chr12	34242117	3424399	Chr12.181	Asx2(-2549), 111000201rk(+2439)	N/A
Chr12	31146411	31146647	Chr12.18149	603046906rk(-38094), Fam110c(+72561)	N/A
Chr12	31148777	31148878	Chr12.18155	603046906rk(-35795), Fam110c(+74860)	N/A
Chr12	31172153	31172278	Chr12.18182	603046906rk(-12407), Fam110c(+98248)	N/A
Chr12	31181312	31181432	Chr12.18194	603046906rk(-3251)	N/A
Chr12	31185226	31185943	Chr12.18204	603046906rk(+962)	N/A
Chr12	31191387	31191518	Chr12.18216	Lamb1(-73940), 603046906rk(+6830)	N/A
Chr12	31194834	31195020	Chr12.18226	Lamb1(-70366), 603046906rk(+10304)	N/A
Chr12	31200986	31201090	Chr12.18254	Lamb1(-64255), 603046906rk(+16415)	N/A
Chr12	31206094	31206247	Chr12.18261	Lamb1(-59122), 603046906rk(+21548)	N/A
Chr12	31209727	31209910	Chr12.18273	Lamb1(-55474), 603046906rk(+25196)	N/A
Chr12	31227224	31222833	Chr12.18294	Lamb1(-42514), 603046906rk(+38156)	N/A
Chr12	31228900	31228922	Chr12.18306	Lamb1(-36332), 603046906rk(+44338)	N/A
Chr12	31265207	31265360	Chr12.18338	Lamb1(-9)	N/A
Chr12	4919258	4919572	Chr12.1835	Atad2b(+2011), Kln29(+456267)	N/A
Chr12	31267730	31267890	Chr12.18361	Lamb1(+2517), Dld(+93627)	N/A
Chr12	31271440	31271634	Chr12.18376	Lamb1(+6244), Dld(+79600)	N/A
Chr12	4930479	4930580	Chr12.1838	Atad2b(+13126), Kln29(+445152)	N/A
Chr12	31271739	31271917	Chr12.18380	Lamb1(+6535), Dld(+79609)	N/A
Chr12	31272007	31272106	Chr12.18385	Lamb1(+6764), Dld(+79380)	N/A
Chr12	31272975	31273148	Chr12.18394	Lamb1(+7769), Dld(+78375)	N/A
Chr12	31494964	31499631	Chr12.18830	Cbl1(+68)	N/A
Chr12	31712150	31712383	Chr12.19069	Gpr22(+1659), Cog5(+57398)	N/A
Chr12	31713461	31714145	Chr12.19090	Gpr22(-123)	N/A
Chr12	31714288	31714393	Chr12.19093	Gpr22(-415)	N/A
Chr12	31729629	31730050	Chr12.19100	Gpr22(-16064), Hbp1(+220545)	N/A
Chr12	3427514	3427633	Chr12.192	111000201rk(-827), Asx2(+717)	N/A
Chr12	31950331	31950506	Chr12.19245	Hbp1(+116)	N/A
Chr12	31950566	31950697	Chr12.19251	Hbp1(-92)	N/A
Chr12	3427717	3427868	Chr12.193	111000201rk(-1046), Asx2(+936)	N/A
Chr12	32059870	32060077	Chr12.19327	Hbp1(-109439), Pkar2b(+1322)	N/A
Chr12	32134551	32134651	Chr12.19406	Pkar2b(-73305), Pk3cg(+74058)	N/A
Chr12	32158961	32159152	Chr12.19416	Pkar2b(-97761), Pk3cg(+49602)	N/A
Chr12	32208615	32208732	Chr12.19555	Pk3cg(-15)	N/A
Chr12	32378557	32378693	Chr12.19587	Ccdc7ll(-164)	N/A

Chr12	32378736	32378856	Chr12.19589	Ccdc71l(+7)	N/A
Chr12	32380105	32380273	Chr12.19595	Namptl(-440146),Ccdc71l(+1400)	N/A
Chr12	32926538	32926761	Chr12.19734	Atad2b(-170835),Klhl29(+287443)	N/A
Chr12	33038457	33038582	Chr12.19801	Sypl(-546829),Cdhv3(-94355)	N/A
Chr12	33035904	33036029	Chr12.19825	Cdhv3(+56908),Sypl(+82076)	N/A
Chr12	33045803	33045936	Chr12.19860	Cdhv3(+47005),Sypl(+91979)	N/A
Chr12	33045967	33046279	Chr12.19862	Cdhv3(+46752),Sypl(+92232)	N/A
Chr12	33111385	33111507	Chr12.19982	Atxn71l(-191069),Cdhv3(-18571)	N/A
Chr12	33147790	33148087	Chr12.19998	Atxn71l(-154518),Cdhv3(-55064)	N/A
Chr12	33148419	33148738	Chr12.20004	Atxn71l(-153937),Cdhv3(-55703)	N/A
Chr12	33149110	33149274	Chr12.20009	Atxn71l(-153323),Cdhv3(-56317)	N/A
Chr12	33162307	33162604	Chr12.20035	Atxn71l(-140059),Cdhv3(-69581)	N/A
Chr12	33162654	33162817	Chr12.20040	Atxn71l(-139779),Cdhv3(-69861)	N/A
Chr12	33176088	33176315	Chr12.20053	Atxn71l(-126313),Cdhv3(-83327)	N/A
Chr12	33176452	33176689	Chr12.20058	Atxn71l(-125944),Cdhv3(-83692)	N/A
Chr12	33225227	33225425	Chr12.20094	Cdhv3(-132451),Atxn71l(-77189)	N/A
Chr12	33245572	33245677	Chr12.20129	Cdhv3(-152750),Atxn71l(-56890)	N/A
Chr12	33245961	33246064	Chr12.20136	Cdhv3(-153138),Atxn71l(-56502)	N/A
Chr12	33268032	33268134	Chr12.20161	Cdhv3(-175208),Atxn71l(-34432)	N/A
Chr12	33302098	33302309	Chr12.20184	Atxn71l(-311)	N/A
Chr12	33302530	33302768	Chr12.20187	Atxn71l(+134)	N/A
Chr12	33303316	33303459	Chr12.20192	Atxn71l(+873)	N/A
Chr12	33303488	33303619	Chr12.20194	Efcab10(-91300),Atxn71l(+1039)	N/A
Chr12	33314159	33314475	Chr12.20206	Efcab10(-80537),Atxn71l(+11802)	N/A
Chr12	5089166	5089311	Chr12.20223	Atad2b(-170835),Klhl29(+287443)	N/A
Chr12	33344817	33345944	Chr12.20261	Efcab10(-49473),Atxn71l(+8268)	N/A
Chr12	33360819	33360946	Chr12.20279	Efcab10(-33971),Atxn71l(+58368)	N/A
Chr12	5089164	5089329	Chr12.2029	Atad2b(+171843),Klhl29(+28643)	N/A
Chr12	33543634	33543788	Chr12.20411	Ferd3l(-384714),Twistnb(+114087)	N/A
Chr12	33553750	33554247	Chr12.20422	Ferd3l(-374426),Twistnb(+124373)	N/A
Chr12	33592298	33592806	Chr12.20456	Ferd3l(-335873),Twistnb(+162928)	N/A
Chr12	33593040	33593327	Chr12.20462	Ferd3l(-335241),Twistnb(+163560)	N/A
Chr12	33608628	33608900	Chr12.20475	Ferd3l(-319661),Twistnb(+179140)	N/A
Chr12	33609046	33609197	Chr12.20479	Ferd3l(-319303),Twistnb(+179498)	N/A
Chr12	33716149	33716261	Chr12.20564	Ferd3l(-212220),Twistnb(+286581)	N/A
Chr12	33717257	33717375	Chr12.20568	Ferd3l(-211109),Twistnb(+287692)	N/A
Chr12	33717613	33717942	Chr12.20571	Ferd3l(-210647),Twistnb(+285154)	N/A
Chr12	33783382	33783495	Chr12.20643	Ferd3l(-144986),Twistnb(+353815)	N/A
Chr12	33783560	33783788	Chr12.20647	Ferd3l(-144751),Twistnb(+354050)	N/A
Chr12	5101610	5101931	Chr12.2065	Atad2b(+184367),Klhl29(+273911)	N/A
Chr12	5108362	5108623	Chr12.2080	Atad2b(+191089),Klhl29(+267189)	N/A
Chr12	33938592	33938800	Chr12.20831	Twist1(-18975),Ferd3l(+10271)	N/A
Chr12	33959191	33959386	Chr12.20861	Twist1(-1616),Gm18025(+31803)	N/A
Chr12	33959679	33960034	Chr12.20872	Twist1(+2186),Gm18025(+331235)	N/A
Chr12	33960810	33960935	Chr12.20875	Twist1(+3202),Gm18025(+330219)	N/A
Chr12	33962222	33962480	Chr12.20885	Twist1(+4680),Gm18025(+328741)	N/A
Chr12	33963028	33963181	Chr12.20891	Twist1(+5434),Gm18025(+327987)	N/A
Chr12	33964110	33964277	Chr12.20894	Twist1(+46523),Gm18025(+328398)	N/A
Chr12	33964517	33964662	Chr12.20895	Twist1(+6919),Gm18025(+328502)	N/A
Chr12	33965935	33966217	Chr12.20899	Twist1(+8405),Gm18025(+325016)	N/A
Chr12	33966258	33966369	Chr12.20902	Twist1(+8643),Gm18025(+324778)	N/A
Chr12	33966986	33967113	Chr12.20906	Twist1(+9379),Gm18025(+324042)	N/A
Chr12	33968350	33968475	Chr12.20913	Twist1(+10742),Gm18025(+322679)	N/A
Chr12	33968633	33968752	Chr12.20916	Twist1(+11022),Gm18025(+322399)	N/A
Chr12	33973232	33973896	Chr12.20929	Twist1(+15893),Gm18025(+317528)	N/A
Chr12	33975371	33975470	Chr12.20938	Twist1(+17750),Gm18025(+315671)	N/A
Chr12	33976522	33976806	Chr12.20941	Twist1(+18993),Gm18025(+314428)	N/A
Chr12	33978961	33979441	Chr12.20947	Twist1(+21530),Gm18025(+311891)	N/A
Chr12	33979473	33979776	Chr12.20949	Twist1(+21954),Gm18025(+311467)	N/A
Chr12	33980338	33980500	Chr12.20952	Twist1(+22749),Gm18025(+310873)	N/A
Chr12	33981388	33981919	Chr12.20954	Twist1(+23983),Gm18025(+309438)	N/A
Chr12	33983324	33983542	Chr12.20962	Twist1(+25762),Gm18025(+307659)	N/A
Chr12	34040188	34040377	Chr12.20985	Twist1(+82612),Gm18025(+258009)	N/A
Chr12	34052019	34052714	Chr12.21018	Twist1(+94696),Gm18025(+238725)	N/A
Chr12	34052754	34053092	Chr12.21021	Twist1(+95252),Gm18025(+238159)	N/A
Chr12	34087196	34087555	Chr12.21059	Twist1(-129070),Gm18025(+203716)	N/A
Chr12	34092981	34093151	Chr12.21065	Twist1(+135395),Gm18025(+198026)	N/A
Chr12	34103569	34103727	Chr12.21101	Twist1(+145977),Gm18025(+187444)	N/A
Chr12	34132636	34132794	Chr12.21135	Gm18025(+158397),Twist1(+179024)	N/A
Chr12	34133211	34133356	Chr12.21137	Gm18025(+157808),Twist1(+175613)	N/A
Chr12	34133829	34133876	Chr12.21141	Gm18025(+157339),Twist1(+176982)	N/A
Chr12	34145629	34145729	Chr12.21166	Gm18025(+145413),Twist1(+188008)	N/A
Chr12	34147041	34147252	Chr12.21171	Gm18025(+143945),Twist1(+189476)	N/A
Chr12	34151308	34151646	Chr12.21180	Gm18025(+139615),Twist1(+193806)	N/A
Chr12	34155893	34155993	Chr12.21184	Gm18025(+135149),Twist1(+198272)	N/A
Chr12	34170405	34170625	Chr12.21204	Gm18025(+120577),Twist1(+212849)	N/A
Chr12	34170655	34170829	Chr12.21208	Gm18025(+120350),Twist1(+213071)	N/A
Chr12	34182770	34183123	Chr12.21223	Gm18025(+108145),Twist1(+225276)	N/A
Chr12	34183221	34183551	Chr12.21225	Gm18025(+107706),Twist1(+225715)	N/A
Chr12	34197878	34197782	Chr12.21253	Gm18025(+93362),Twist1(+240059)	N/A
Chr12	34201489	34201615	Chr12.21262	Gm18025(+69435),Twist1(+243986)	N/A
Chr12	34204010	34204381	Chr12.21270	Gm18025(+68966),Twist1(+246625)	N/A
Chr12	34218907	34219161	Chr12.21291	Gm18025(+72058),Twist1(+261363)	N/A
Chr12	34219882	34220802	Chr12.21298	Gm18025(+70750),Twist1(+262671)	N/A
Chr12	34221694	34221884	Chr12.21308	Gm18025(+69303),Twist1(+264118)	N/A
Chr12	34231794	34232020	Chr12.21319	Gm18025(+59185),Twist1(+274236)	N/A
Chr12	34247532	34247841	Chr12.21338	Gm18025(+43405),Twist1(+29001)	N/A
Chr12	34247901	34248028	Chr12.21338	Gm18025(+43127),Twist1(+290294)	N/A
Chr12	5144366	5144495	Chr12.2134	Atad2b(+227027),Klhl29(+231251)	N/A
Chr12	34248525	34248908	Chr12.21342	Gm18025(+42375),Twist1(+291046)	N/A
Chr12	34269742	34270057	Chr12.21343	Gm18025(+21192),Twist1(+312229)	N/A
Chr12	34273520	34273639	Chr12.21357	Gm18025(+17512),Twist1(+315909)	N/A
Chr12	34276706	34276228	Chr12.21371	Gm18025(+12126),Twist1(+321228)	N/A
Chr12	34279267	34279415	Chr12.21373	Gm18025(+11751),Twist1(+321670)	N/A
Chr12	5151700	5152005	Chr12.2143	Klhl29(+223829),Atad2b(+234449)	N/A
Chr12	34337590	34337713	Chr12.21442	Gm18025(+46560),Hdac9(+191237)	N/A
Chr12	34338729	34338854	Chr12.21444	Gm18025(+47700),Hdac9(+190097)	N/A
Chr12	5152229	5152260	Chr12.2145	Klhl29(+223392),Atad2b(+234986)	N/A
Chr12	34345526	34345647	Chr12.21452	Gm18025(+54495),Hdac9(+183302)	N/A
Chr12	34346524	34346690	Chr12.21454	Gm18025(+55515),Hdac9(+182282)	N/A
Chr12	34352070	34352194	Chr12.21472	Gm18025(+61040),Hdac9(+176757)	N/A
Chr12	34372389	34372839	Chr12.21496	Gm18025(+81522),Hdac9(+156275)	N/A
Chr12	5154749	5154956	Chr12.2151	Klhl29(+220829),Atad2b(+237449)	N/A
Chr12	34379786	34380050	Chr12.21510	Gm18025(+68826),Hdac9(+148971)	N/A
Chr12	5156687	5156854	Chr12.2152	Klhl29(+218911),Atad2b(+239367)	N/A
Chr12	34382821	34382768	Chr12.21523	Gm18025(+91433),Hdac9(+146364)	N/A
Chr12	34382838	34383231	Chr12.21527	Gm18025(+91943),Hdac9(+145854)	N/A
Chr12	34384444	34384678	Chr12.21532	Gm18025(+93469),Hdac9(+144328)	N/A
Chr12	34386987	34387372	Chr12.21536	Gm18025(+96088),Hdac9(+141709)	N/A
Chr12	34394007	34394532	Chr12.21554	Gm18025(+103178),Hdac9(+134619)	N/A
Chr12	3439816	34400148	Chr12.21568	Gm18025(+108890),Hdac9(+128907)	N/A
Chr12	5162948	5163093	Chr12.2158	Klhl29(+212661),Atad2b(+245617)	N/A
Chr12	34432545	34432664	Chr12.21633	Gm18025(+141513),Hdac9(+96284)	N/A
Chr12	34449473	34449675	Chr12.21659	Gm18025(+158432),Hdac9(+79365)	N/A
Chr12	34472524	34472754	Chr12.21691	Gm18025(+181547),Hdac9(+56250)	N/A
Chr12	34473110	34473110	Chr12.21693	Gm18025(+181968),Hdac9(+55829)	N/A
Chr12	34473370	34473542	Chr12.21696	Gm18025(+182364),Hdac9(+55433)	N/A
Chr12	34499129	34499228	Chr12.21731	Gm18025(+208087),Hdac9(+29710)	N/A
Chr12	5177187	5177286	Chr12.2174	Klhl29(+198445),Atad2b(+259833)	N/A
Chr12	34527800	34527946	Chr12.21770	Gm18025(+236781),Hdac9(+1016)	N/A
Chr12	34527987	34528213	Chr12.21774	Hdac9(+784)	N/A
Chr12	34528271	34528483	Chr12.21778	Hdac9(+512)	N/A
Chr12	34528911	34529138	Chr12.21784	Hdac9(+136)	N/A
Chr12	34529516	34529516	Chr12.21785	Hdac9(+477)	N/A
Chr12	34550274	34550580	Chr12.21798	Hdac9(+21538),4921508m14nk(+324401)	N/A
Chr12	34637327	34637549	Chr12.21809	Hdac9(+108549),4921508m14nk(+237390)	N/A
Chr12	346557814	346558033	Chr12.21945	Hdac9(+129035),4921508m14nk(+216904)	N/A
Chr12	5189706	5189954	Chr12.2199	Klhl29(+185852),Atad2b(+272426)	N/A
Chr12	34714262	34714489	Chr12.22037	Hdac9(+185487),4921508m14nk(+160452)	N/A
Chr12	34714697	34714850	Chr12.22039	Hdac9(+185885),4921508m14nk(+160054)	N/A
Chr12	5190395	5190522	Chr12.2208	Klhl29(+185223),Atad2b(+273058)	N/A
Chr12	51922543	51922516	Chr12.2212	Klhl29(+183305),Atad2b(+274767)	N/A
Chr12	34792061	34792400	Chr12.22124	Hdac9(+263342),4921508m14nk(+82597)	N/A
Chr12	34967810	34967986	Chr12.22332	4921508m14nk(-93070),Prps11l(+16863)	N/A
Chr12	34999273	34999439	Chr12.22389	Snx13(-47833),Prps11l(+14595)	N/A
Chr12	35038648	35038834	Chr12.22418	Snx13(-6448),Prps11l(+53980)	N/A
Chr12	5208605	5208706	Chr12.2242	Klhl29(+167026),Atad2b(+291252)	N/A
Chr12	35047269	35047452	Chr12.22433	Snx13(+172)	N/A

Chr12	5208737	5208891	Chr12.2244	<i>Klh29(+166868),Atad2b(+291410)</i>	N/A
Chr12	35171692	35171804	Chr12.22554	<i>Snx13(+124559),Ahr(+363290)</i>	N/A
Chr12	35217567	35217680	Chr12.22589	<i>Snx13(+170435),Ahr(+317414)</i>	N/A
Chr12	35255901	35256186	Chr12.22619	<i>Snx13(+208855),Ahr(+278994)</i>	N/A
Chr12	5216373	5216731	Chr12.2262	<i>Klh29(+159130),Atad2b(+299148)</i>	N/A
Chr12	35293222	35293412	Chr12.22646	<i>Ahr(+241721),Snx13(+246128)</i>	N/A
Chr12	35313163	35313343	Chr12.22654	<i>Ahr(+221785),Snx13(+266064)</i>	N/A
Chr12	35334776	35334909	Chr12.22674	<i>Ahr(+200195),Snx13(+287654)</i>	N/A
Chr12	35352092	35352291	Chr12.22709	<i>Ahr(+142768),Snx13(+345053)</i>	N/A
Chr12	5221434	5221659	Chr12.2273	<i>Klh29(+154135),Atad2b(+304143)</i>	N/A
Chr12	5227456	5227555	Chr12.2285	<i>Klh29(+148176),Atad2b(+310102)</i>	N/A
Chr12	35542674	35542989	Chr12.22856	<i>Agri(-382788),Ahr(-7794)</i>	N/A
Chr12	5239750	5240112	Chr12.2298	<i>Klh29(+135751),Atad2b(+322527)</i>	N/A
Chr12	35824676	35824793	Chr12.22998	<i>Ahr(-289697),Agri(-100895)</i>	N/A
Chr12	35824850	35825041	Chr12.23002	<i>Ahr(-289698),Agri(-100674)</i>	N/A
Chr12	35830976	35831191	Chr12.23010	<i>Ahr(-298046),Agri(-94536)</i>	N/A
Chr12	35847058	35847219	Chr12.23022	<i>Ahr(-312101),Agri(-78481)</i>	N/A
Chr12	35847297	35847531	Chr12.23026	<i>Ahr(-312376),Agri(-78206)</i>	N/A
Chr12	35872964	35872679	Chr12.23041	<i>Ahr(-337584),Agri(-52998)</i>	N/A
Chr12	5245288	5245429	Chr12.23309	<i>Klh29(+130323),Atad2b(+327955)</i>	N/A
Chr12	35992835	35992974	Chr12.23100	<i>Agri(-2)</i>	N/A
Chr12	36155328	36155466	Chr12.23230	<i>Ankmy2(-1727),Bzw2(+1428)</i>	N/A
Chr12	36155974	36156120	Chr12.23234	<i>Ankmy2(-1077),Bzw2(+778)</i>	N/A
Chr12	36218891	36217019	Chr12.23301	<i>Lrrc72(+1247),Ankmy2(+59831)</i>	N/A
Chr12	36218866	36218987	Chr12.23307	<i>Lrrc72(-725)</i>	N/A
Chr12	36219034	36219231	Chr12.23310	<i>Lrrc72(-931)</i>	N/A
Chr12	36262283	36262779	Chr12.23338	<i>Soatdc1(-51638),Lrrc72(-44329)</i>	N/A
Chr12	36273702	36273839	Chr12.23348	<i>Lrrc72(-55569),Soatdc1(-40398)</i>	N/A
Chr12	36303173	36303490	Chr12.23359	<i>Lrrc72(-85130),Soatdc1(-10837)</i>	N/A
Chr12	36315505	36315677	Chr12.23382	<i>Crppa(-65928),Soatdc1(+1422)</i>	N/A
Chr12	36316033	36316355	Chr12.23385	<i>Crppa(-65325),Soatdc1(+2029)</i>	N/A
Chr12	36316496	36316614	Chr12.23390	<i>Crppa(-64964),Soatdc1(+2386)</i>	N/A
Chr12	36317477	36317579	Chr12.23403	<i>Crppa(-63991),Soatdc1(+3359)</i>	N/A
Chr12	36385554	36385872	Chr12.23444	<i>D630036h23nk(-3532)</i>	N/A
Chr12	36476593	36476807	Chr12.23477	<i>Meox2(-631840),D630036h23nk(-94519)</i>	N/A
Chr12	36483447	36483701	Chr12.23484	<i>Meox2(-624666),D630036h23nk(-101393)</i>	N/A
Chr12	36510280	36510373	Chr12.23503	<i>Meox2(-598223),D630036h23nk(-128136)</i>	N/A
Chr12	36653269	36653500	Chr12.23587	<i>Meox2(-455145),D630036h23nk(-271214)</i>	N/A
Chr12	36666616	36667089	Chr12.23595	<i>Meox2(-441687),D630036h23nk(-284672)</i>	N/A
Chr12	5274571	5274741	Chr12.2360	<i>Klh29(+101026),Atad2b(+357252)</i>	N/A
Chr12	5279004	5276049	Chr12.2362	<i>Klh29(+99705),Atad2b(+358573)</i>	N/A
Chr12	36717559	36717681	Chr12.23631	<i>Meox2(-390920),D630036h23nk(-335439)</i>	N/A
Chr12	36718016	36718118	Chr12.23636	<i>Meox2(-390473),D630036h23nk(-335866)</i>	N/A
Chr12	36720927	36721839	Chr12.23648	<i>Meox2(-387157),D630036h23nk(-339202)</i>	N/A
Chr12	36722719	36723276	Chr12.23668	<i>Meox2(-385542),D630036h23nk(-340817)</i>	N/A
Chr12	36793472	36793576	Chr12.23776	<i>D630036h23nk(-411343),Meox2(-315016)</i>	N/A
Chr12	36794161	36794282	Chr12.23780	<i>D630036h23nk(-412041),Meox2(-314318)</i>	N/A
Chr12	36826983	36826874	Chr12.23817	<i>D630036h23nk(-444598),Meox2(-281761)</i>	N/A
Chr12	36831409	36832005	Chr12.23826	<i>D630036h23nk(-449526),Meox2(-276833)</i>	N/A
Chr12	36863113	36863349	Chr12.23876	<i>D630036h23nk(-481050),Meox2(-245309)</i>	N/A
Chr12	36926887	36927154	Chr12.23967	<i>D630036h23nk(-544840),Meox2(-181519)</i>	N/A
Chr12	36932664	36932766	Chr12.23979	<i>D630036h23nk(-550534),Meox2(-175825)</i>	N/A
Chr12	36932867	36933221	Chr12.23983	<i>D630036h23nk(-550863),Meox2(-175496)</i>	N/A
Chr12	36933425	36933556	Chr12.23986	<i>D630036h23nk(-551910),Meox2(-175049)</i>	N/A
Chr12	36935931	36936093	Chr12.23998	<i>D630036h23nk(-553831),Meox2(-172528)</i>	N/A
Chr12	37108399	37108676	Chr12.24140	<i>Meox2(-2)</i>	N/A
Chr12	37143366	37143550	Chr12.24196	<i>Agmo(-98183),Meox2(+34918)</i>	N/A
Chr12	37263838	37263946	Chr12.24317	<i>Dgkbl(-616813),Agmo(+22251)</i>	N/A
Chr12	37396195	37396434	Chr12.24454	<i>Dgkbl(-484390),Agmo(+154674)</i>	N/A
Chr12	37429755	37429972	Chr12.24505	<i>Dgkbl(-638411),Agmo(+185223)</i>	N/A
Chr12	5336923	5337054	Chr12.2461	<i>Klh29(+38693),Atad2b(+419585)</i>	N/A
Chr12	5340455	5340559	Chr12.2464	<i>Klh29(+35175),Atad2b(+423103)</i>	N/A
Chr12	37565876	37566123	Chr12.24647	<i>Dgkbl(-314705),Agmo(+324359)</i>	N/A
Chr12	37566302	37566693	Chr12.24653	<i>Dgkbl(-314207),Agmo(+324857)</i>	N/A
Chr12	37595101	37595324	Chr12.24683	<i>Dgkbl(-285422),Agmo(+353572)</i>	N/A
Chr12	37595700	37595979	Chr12.24686	<i>Dgkbl(-284865),Agmo(+354199)</i>	N/A
Chr12	5349787	5349988	Chr12.2471	<i>Klh29(+25794),Atad2b(+432484)</i>	N/A
Chr12	37774175	37774300	Chr12.24736	<i>Dgkbl(-106467),Agmo(+532597)</i>	N/A
Chr12	37880514	37881048	Chr12.24776	<i>Dgkbl(+76)</i>	N/A
Chr12	5372691	5372809	Chr12.25500	<i>Klh29(-2932),Atad2b(+455346)</i>	N/A
Chr12	3877373	38777659	Chr12.25519	<i>Etv1(-15216)</i>	N/A
Chr12	38778493	38778615	Chr12.25522	<i>Etv1(-1528)</i>	N/A
Chr12	38780170	38780383	Chr12.25533	<i>Etv1(+195)</i>	N/A
Chr12	38780551	38780788	Chr12.25537	<i>Etv1(+588)</i>	N/A
Chr12	38781075	38781332	Chr12.25540	<i>Etv1(+1122)</i>	N/A
Chr12	38783469	38783810	Chr12.25557	<i>Etv1(+3558)</i>	N/A
Chr12	38785599	38786932	Chr12.25572	<i>Etv1(+8684)</i>	N/A
Chr12	38789326	38789498	Chr12.25577	<i>Etv1(+9330)</i>	N/A
Chr12	5428671	5428964	Chr12.2564	<i>2810032g03nk(+17177)</i>	N/A
Chr12	38843575	38843796	Chr12.25703	<i>Etv1(+63604)</i>	N/A
Chr12	38843922	38844249	Chr12.25704	<i>Etv1(+64007)</i>	N/A
Chr12	38854452	38854625	Chr12.25722	<i>Etv1(+74457)</i>	N/A
Chr12	38854856	38854993	Chr12.25726	<i>Etv1(+74843)</i>	N/A
Chr12	5442922	5443246	Chr12.2577	<i>2810032g03nk(+31444)</i>	N/A
Chr12	38928855	38929244	Chr12.25819	<i>Etv1(+148968)</i>	N/A
Chr12	5443626	5443944	Chr12.2583	<i>2810032g03nk(+32144)</i>	N/A
Chr12	5454731	5454883	Chr12.25897	<i>2810032g03nk(+53166)</i>	N/A
Chr12	39920534	39920925	Chr12.26339	<i>Ar4a(+116699)</i>	N/A
Chr12	39936452	39936750	Chr12.26355	<i>Ar4a(+100828)</i>	N/A
Chr12	5494784	5494990	Chr12.2638	<i>2810032g03nk(+83246)</i>	N/A
Chr12	39976057	39976172	Chr12.26391	<i>Ar4a(+61314)</i>	N/A
Chr12	39988114	39988250	Chr12.26397	<i>Ar4a(+49247)</i>	N/A
Chr12	39989863	39989906	Chr12.26407	<i>Ar4a(+38634)</i>	N/A
Chr12	40016929	40017161	Chr12.26412	<i>Ar4a(+20394)</i>	N/A
Chr12	5495541	5495541	Chr12.2643	<i>2810032g03nk(+83833)</i>	N/A
Chr12	40035719	40035898	Chr12.26437	<i>Ar4a(+1620)</i>	N/A
Chr12	40133079	40133247	Chr12.26553	<i>Ar4a(-95734),Scn1(+1065)</i>	N/A
Chr12	40248177	40248285	Chr12.26647	<i>Itf1(-25042),Zfp277(+197538)</i>	N/A
Chr12	40347491	40347601	Chr12.26707	<i>Itf1(-124357),Zfp277(+98223)</i>	N/A
Chr12	5549971	5550122	Chr12.2677	<i>2810032g03nk(+138406)</i>	N/A
Chr12	40446035	40446143	Chr12.26770	<i>Zfp277(-320),Dock4(+36)</i>	N/A
Chr12	40446236	40446418	Chr12.26771	<i>Zfp277(-558),Dock4(+274)</i>	N/A
Chr12	40447169	40447270	Chr12.26777	<i>Zfp277(-1451),Dock4(+1167)</i>	N/A
Chr12	40448002	40448258	Chr12.26783	<i>Zfp277(-2360),Dock4(+2076)</i>	N/A
Chr12	40459056	40459168	Chr12.26793	<i>Imp2(-564978),Dock4(+13059)</i>	N/A
Chr12	40462827	40462942	Chr12.26800	<i>Imp2(-561205),Dock4(+16832)</i>	N/A
Chr12	40471855	40471959	Chr12.26808	<i>Imp2(-552183),Dock4(+25854)</i>	N/A
Chr12	5552764	5553036	Chr12.2682	<i>2810032g03nk(+141259)</i>	N/A
Chr12	40477796	40478080	Chr12.26821	<i>Imp2(-546157),Dock4(+31880)</i>	N/A
Chr12	40494370	40494542	Chr12.26831	<i>Imp2(-539634),Dock4(+38403)</i>	N/A
Chr12	40498101	40498217	Chr12.26850	<i>Imp2(-525931),Dock4(+52106)</i>	N/A
Chr12	40499636	40499786	Chr12.26861	<i>Imp2(-524379),Dock4(+53658)</i>	N/A
Chr12	40693988	40694260	Chr12.27112	<i>Imp2(-329966),Dock4(+248071)</i>	N/A
Chr12	40798029	40798132	Chr12.27267	<i>Imp2(-226003),Dock4(+350208)</i>	N/A
Chr12	56012149	5601453	Chr12.2738	<i>2810032g03nk(+189710)</i>	N/A
Chr12	41315105	41315448	Chr12.27743	<i>Lrm3(+170474),Imp2(+291187)</i>	N/A
Chr12	41483764	41484073	Chr12.27971	<i>Lrm3(+1832),Imp2(+459829)</i>	N/A
Chr12	41484303	41484445	Chr12.27977	<i>Lrm3(+1377),Imp2(+460284)</i>	N/A
Chr12	41484711	41485016	Chr12.27982	<i>Lrm3(+887)</i>	N/A
Chr12	41485315	41485493	Chr12.27986	<i>Lrm3(+347)</i>	N/A
Chr12	41485891	41486140	Chr12.27992	<i>Lrm3(-265)</i>	N/A
Chr12	41559639	41559756	Chr12.28072	<i>Lrm3(-73947)</i>	N/A
Chr12	41565985	41566152	Chr12.28075	<i>Lrm3(-80318)</i>	N/A
Chr12	41655510	41655683	Chr12.28202	<i>Lrm3(-169846)</i>	N/A
Chr12	41877368	41877583	Chr12.28412	<i>Lrm3(-391725)</i>	N/A
Chr12	5808058	5808302	Chr12.2951	<i>2810032g03nk(+396539)</i>	N/A
Chr12	43919262	43919508	Chr12.29620	<i>Dnab9(-290683)</i>	N/A
Chr12	5808513	5808891	Chr12.2955	<i>2810032g03nk(+397061)</i>	N/A
Chr12	44176315	44176427	Chr12.29756	<i>Dnab9(+33697)</i>	N/A
Chr12	44338188	44338489	Chr12.29856	<i>Ncam(+9454),Stxbp6(+735773)</i>	N/A
Chr12	44338627	44338692	Chr12.29859	<i>Ncam(+9725),Stxbp6(+735502)</i>	N/A
Chr12	44387383	44387530	Chr12.29933	<i>Ncam(+58572),Stxbp6(+686653)</i>	N/A
Chr12	44438851	44439157	Chr12.30012	<i>Ncam(+110119),Stxbp6(+635108)</i>	N/A
Chr12	44462615	44462731	Chr12.30057	<i>Ncam(+133788),Stxbp6(+611439)</i>	N/A
Chr12	44597881	44597985	Chr12.30325	<i>Ncam(+269048),Stxbp6(+476179)</i>	N/A
Chr12	44598050	44598186	Chr12.30327	<i>Ncam(+269233),Stxbp6(+475994)</i>	N/A
Chr12	45012145	45012268	Chr12.30601	<i>Stxbp6(+61860),Ncam(+683367)</i>	N/A
Chr12	45013304	45013513	Chr12.30605	<i>Stxbp6(+60703),Ncam(+684524)</i>	N/A

Chr12	45466180	45466284 Chr12.30847	Stxbp6(-392120)	N/A
Chr12	45561894	45562182 Chr12.30887	Stxbp6(-487926)	N/A
Chr12	45670288	45671024 Chr12.31088	Stxbp6(-596344)	N/A
Chr12	45672273	45672726 Chr12.31094	Stxbp6(-598388)	N/A
Chr12	45733761	45733933 Chr12.31163	Stxbp6(-659735)	N/A
Chr12	46399529	46399666 Chr12.31180	Novat1(+419177)	N/A
Chr12	46649593	46649708 Chr12.32118	Novat1(+169124)	N/A
Chr12	46815720	46815856 Chr12.32267	Novat1(+2987)	N/A
Chr12	46817605	46817725 Chr12.32277	Novat1(+1110)	N/A
Chr12	46818018	46818248 Chr12.32279	Novat1(+642)	N/A
Chr12	46819407	46819514 Chr12.32283	Novat1(-686)	N/A
Chr12	46870256	46870410 Chr12.32309	Novat1(-51558)	N/A
Chr12	47140519	47140676 Chr12.32494	Novat1(-321823)	N/A
Chr12	47162690	47162821 Chr12.32513	Novat1(-343981)	N/A
Chr12	47162860	47163571 Chr12.32515	Novat1(-344491)	N/A
Chr12	47164240	47164363 Chr12.32530	Novat1(-345527)	N/A
Chr12	47164862	47165042 Chr12.32538	Novat1(-346177)	N/A
Chr12	6087642	6087795 Chr12.3264	2810032g03nik(+676078)	N/A
Chr12	3518769	3518885 Chr12.328	Dmb(-53564), Asx2(+91970)	N/A
Chr12	48877584	48877805 Chr12.33295	Foxg1(-305188), Gm1818(-317724)	N/A
Chr12	48976257	48976398 Chr12.33346	Gm1818(-416357), Foxg1(+406555)	N/A
Chr12	49376300	49376449 Chr12.33506	Gm1818(-816404), Foxg1(-6508)	N/A
Chr12	49381972	49382085 Chr12.33533	3110039m20nik(-3145), Foxg1(-854)	N/A
Chr12	49382670	49382803 Chr12.33538	3110039m20nik(-2437), Foxg1(-146)	N/A
Chr12	49386062	49386256 Chr12.33549	3110039m20nik(+995)	N/A
Chr12	49387790	49388034 Chr12.33556	Gm9804(-13363), 3110039m20nik(+2738)	N/A
Chr12	49389713	49389948 Chr12.33561	Gm9804(-11446), 3110039m20nik(+4657)	N/A
Chr12	49391159	49391306 Chr12.33566	Gm9804(-10044), 3110039m20nik(+6059)	N/A
Chr12	49393608	49393903 Chr12.33579	Gm9804(-7521), 3110039m20nik(+8582)	N/A
Chr12	49394996	49395361 Chr12.33584	Gm9804(-6098), 3110039m20nik(+10005)	N/A
Chr12	49400392	49400619 Chr12.33605	Gm9804(-771)	N/A
Chr12	3573978	3574079 Chr12.337	Chrnc3a(-233001), Dmb(+1638)	N/A
Chr12	49649604	49649717 Chr12.33768	Gm9804(+248384), Prkd1(+999562)	N/A
Chr12	49827956	49828384 Chr12.33923	Gm9804(+426893), Prkd1(+821053)	N/A
Chr12	6255416	6255528 Chr12.3402	2810032g03nik(+843831)	N/A
Chr12	50116093	50116237 Chr12.34352	Prkd1(+533058), Gm9804(+714888)	N/A
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Chr12	50500339	50500833 Chr12.34768	Prkd1(+148637)	N/A
Chr12	50557776	50557889 Chr12.34843	Prkd1(+91390)	N/A
Chr12	50558309	50558601 Chr12.34850	Prkd1(+90768)	N/A
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Chr12	50594651	50594917 Chr12.34871	Prkd1(+54439)	N/A
Chr12	50804087	50804204 Chr12.35021	G2e3(-544142), Prkd1(-154923)	N/A
Chr12	50804458	50804754 Chr12.35023	G2e3(-543682), Prkd1(-155383)	N/A
Chr12	50943792	50944300 Chr12.35165	G2e3(-404242), Prkd1(-294823)	N/A
Chr12	51000928	51001146 Chr12.35261	Prkd1(-351814), G2e3(-347251)	N/A
Chr12	51045487	51045758 Chr12.35339	Prkd1(-396405), G2e3(-302666)	N/A
Chr12	51106204	51106515 Chr12.35437	Prkd1(-457137), G2e3(-241928)	N/A
Chr12	51117881	51118274 Chr12.35458	Prkd1(-468855), G2e3(-230210)	N/A
Chr12	51118371	51118615 Chr12.35460	Prkd1(-469270), G2e3(-229795)	N/A
Chr12	51185776	51186110 Chr12.35518	Prkd1(-536720), G2e3(-162345)	N/A
Chr12	51190843	51191032 Chr12.35545	Prkd1(-541715), G2e3(-157350)	N/A
Chr12	51195238	51195511 Chr12.35560	Prkd1(-546152), G2e3(-152913)	N/A
Chr12	51232322	51232471 Chr12.35642	Prkd1(-674174), G2e3(-24891)	N/A
Chr12	51348615	51348727 Chr12.35654	G2e3(+383)	N/A
Chr12	51505551	51505835 Chr12.35791	Coch(-87648), Scfd1(+128113)	N/A
Chr12	51728944	51729085 Chr12.35987	Stm3(-37101), Hecdt1(+100521)	N/A
Chr12	51729181	51729340 Chr12.35989	Stm3(-37347), Hecdt1(+100275)	N/A
Chr12	51828046	51828183 Chr12.36094	Stm3(-136201), Hecdt1(+1421)	N/A
Chr12	51844944	51845193 Chr12.36104	Hecdt1(-15533), Heatr5a(+126252)	N/A
Chr12	51864894	51865133 Chr12.36116	Hecdt1(-35478), Heatr5a(+106307)	N/A
Chr12	52121377	52121514 Chr12.36430	Arhgap5(-394631), Nupbl(+23709)	N/A
Chr12	52133509	52133203 Chr12.36459	Arhgap5(-362946), Nupbl(+35394)	N/A
Chr12	52180996	52181375 Chr12.36491	Arhgap5(-328911), Nupbl(+89449)	N/A
Chr12	52280935	52281097 Chr12.36557	Arhgap5(-235051), Nupbl(+183279)	N/A
Chr12	52289265	52289486 Chr12.36571	Arhgap5(-226701), Nupbl(+191639)	N/A
Chr12	52346702	52347010 Chr12.36641	Arhgap5(-169221), Nupbl(+249119)	N/A
Chr12	52352854	52352988 Chr12.36652	Arhgap5(-163156), Nupbl(+255184)	N/A
Chr12	52375263	52375367 Chr12.36706	Arhgap5(-140756), Nupbl(+277578)	N/A
Chr12	52380405	52380571 Chr12.36714	Arhgap5(-155589), Nupbl(+28275)	N/A
Chr12	52380646	52380794 Chr12.36717	Arhgap5(-135357), Nupbl(+282983)	N/A
Chr12	52381919	52382031 Chr12.36723	Arhgap5(-134102), Nupbl(+284238)	N/A
Chr12	52389582	52389987 Chr12.36742	Arhgap5(-126292), Nupbl(+292048)	N/A
Chr12	52393748	52393871 Chr12.36756	Arhgap5(-122267), Nupbl(+296073)	N/A
Chr12	52396624	52396840 Chr12.36761	Arhgap5(-119345), Nupbl(+298999)	N/A
Chr12	52412329	52412619 Chr12.36779	Arhgap5(-103603), Nupbl(+314737)	N/A
Chr12	52412707	52413379 Chr12.36784	Arhgap5(-103034), Nupbl(+315306)	N/A
Chr12	52429967	52430325 Chr12.36806	Arhgap5(-85931), Nupbl(+332409)	N/A
Chr12	52434708	52434814 Chr12.36816	Arhgap5(-81316), Nupbl(+337024)	N/A
Chr12	52435878	52435971 Chr12.36826	Arhgap5(-80129), Nupbl(+338211)	N/A
Chr12	52446346	52446463 Chr12.36838	Arhgap5(-69672), Nupbl(+346560)	N/A
Chr12	52474319	52474728 Chr12.36913	Arhgap5(-41553), Nupbl(+376787)	N/A
Chr12	52480337	52480469 Chr12.36946	Arhgap5(-35674), Nupbl(+382666)	N/A
Chr12	52493355	52493554 Chr12.36973	Arhgap5(-22632), Nupbl(+395708)	N/A
Chr12	52502522	52502824 Chr12.37001	Arhgap5(-13404), Nupbl(+404396)	N/A
Chr12	52623576	52623707 Chr12.37072	Akap6(-75741), Arhgap5(+107565)	N/A
Chr12	52635174	52635348 Chr12.37105	Akap6(-64122), Arhgap5(+119184)	N/A
Chr12	52671425	52671697 Chr12.37130	Akap6(-27822), Arhgap5(+155484)	N/A
Chr12	52674933	52675238 Chr12.37140	Akap6(-24297), Arhgap5(+159009)	N/A
Chr12	52698227	52698334 Chr12.37159	Akap6(-1102)	N/A
Chr12	52699142	52699674 Chr12.37168	Akap6(-25)	N/A
Chr12	52699824	52699990 Chr12.37176	Akap6(-524)	N/A
Chr12	52700061	52700171 Chr12.37180	Akap6(+733)	N/A
Chr12	52700938	52701055 Chr12.37185	Npas3(-547680), Akap6(+1614)	N/A
Chr12	52701434	52701618 Chr12.37190	Npas3(-547151), Akap6(+2143)	N/A
Chr12	52704752	52704891 Chr12.37208	Npas3(-545855), Akap6(+5439)	N/A
Chr12	52712658	52713039 Chr12.37246	Npas3(-475728), Akap6(+735699)	N/A
Chr12	52726098	527283013 Chr12.37254	Npas3(-465716), Akap6(+83578)	N/A
Chr12	52791125	52791229 Chr12.37277	Npas3(-457500), Akap6(+91794)	N/A
Chr12	52824874	52824988 Chr12.37296	Npas3(-423746), Akap6(+125548)	N/A
Chr12	52835228	52835796 Chr12.37309	Npas3(-413165), Akap6(+136129)	N/A
Chr12	52836046	52836216 Chr12.37316	Npas3(-412540), Akap6(+136748)	N/A
Chr12	52854578	52854704 Chr12.37338	Npas3(-394306), Akap6(+155258)	N/A
Chr12	52854763	52854909 Chr12.37339	Npas3(-393841), Akap6(+155453)	N/A
Chr12	52868197	52868374 Chr12.37354	Npas3(-380391), Akap6(+168903)	N/A
Chr12	52980402	52980569 Chr12.37604	Npas3(-268191), Akap6(+281103)	N/A
Chr12	53012371	53012675 Chr12.37669	Npas3(-236154), Akap6(+313140)	N/A
Chr12	53032796	53033279 Chr12.37732	Npas3(-215639), Akap6(+333655)	N/A
Chr12	53033406	53033827 Chr12.37734	Npas3(-215660), Akap6(+34234)	N/A
Chr12	53034044	53034459 Chr12.37735	Npas3(-214425), Akap6(+334869)	N/A
Chr12	53057973	53058128 Chr12.37763	Npas3(-190626), Akap6(+358668)	N/A
Chr12	53060996	53061374 Chr12.37772	Npas3(-187492), Akap6(+361802)	N/A
Chr12	53061734	53062052 Chr12.37778	Npas3(-186784), Akap6(+362510)	N/A
Chr12	53062341	53062640 Chr12.37782	Npas3(-186186), Akap6(+363108)	N/A
Chr12	53062825	53062951 Chr12.37786	Npas3(-185789), Akap6(+363505)	N/A
Chr12	53063038	53063590 Chr12.37788	Npas3(-185363), Akap6(+363931)	N/A
Chr12	53064429	53064682 Chr12.37794	Npas3(-184121), Akap6(+365173)	N/A
Chr12	53065028	53065321 Chr12.37798	Npas3(-183502), Akap6(+365792)	N/A
Chr12	53065509	53065710 Chr12.37802	Npas3(-183067), Akap6(+366227)	N/A
Chr12	53066555	53066189 Chr12.37806	Npas3(-182555), Akap6(+366739)	N/A
Chr12	53124147	53125132 Chr12.37908	Npas3(-124037), Akap6(+425257)	N/A
Chr12	53145644	53145948 Chr12.37999	Npas3(-102881), Akap6(+446413)	N/A
Chr12	53146648	53146860 Chr12.38003	Npas3(-101923), Akap6(+447371)	N/A
Chr12	53155388	53155491 Chr12.38031	Npas3(-93237), Akap6(+456057)	N/A
Chr12	53194263	53194522 Chr12.38064	Npas3(-54284), Akap6(+495010)	N/A
Chr12	53246451	53246722 Chr12.38135	Npas3(-2090)	N/A
Chr12	53247495	53247609 Chr12.38142	Npas3(-1125)	N/A
Chr12	53247946	53248076 Chr12.38149	Npas3(-666)	N/A
Chr12	53248114	53248261 Chr12.38150	Npas3(-489)	N/A
Chr12	53249143	53249414 Chr12.38157	Npas3(+602)	N/A
Chr12	6789283	6789472 Chr12.3818	None	N/A
Chr12	53253828	53254047 Chr12.38175	Npas3(+5261), Egin3(+949922)	N/A
Chr12	53254079	53254264 Chr12.38178	Npas3(+5495), Egin3(+949688)	N/A
Chr12	53264128	53264238 Chr12.38208	Npas3(+15506), Egin3(+939677)	N/A
Chr12	53291613	53291763 Chr12.38261	Npas3(+43071), Egin3(+912172)	N/A
Chr12	53292571	53292979 Chr12.38265	Npas3(+44098), Egin3(+911085)	N/A
Chr12	53293018	53293205 Chr12.38267	Npas3(+44435), Egin3(+910746)	N/A

Chr12	53328331	53328637	Chr12.38309	<i>Npas3(+79807),Egln3(+875376)</i>	N/A
Chr12	53338280	53338787	Chr12.38344	<i>Npas3(+89857),Egln3(+865326)</i>	N/A
Chr12	53446020	53446322	Chr12.38545	<i>Npas3(+197494),Egln3(+757889)</i>	N/A
Chr12	53448150	53448532	Chr12.38552	<i>Npas3(+199664),Egln3(+755519)</i>	N/A
Chr12	53587500	53588172	Chr12.38865	<i>Npas3(+339159),Egln3(+616024)</i>	N/A
Chr12	53588205	53588333	Chr12.38869	<i>Npas3(+339592),Egln3(+615591)</i>	N/A
Chr12	53623715	53623945	Chr12.38944	<i>Npas3(+375153),Egln3(+580030)</i>	N/A
Chr12	53623986	53624329	Chr12.38950	<i>Npas3(+375481),Egln3(+579702)</i>	N/A
Chr12	53624526	53624670	Chr12.38953	<i>Npas3(+375921),Egln3(+579262)</i>	N/A
Chr12	53629695	53630018	Chr12.38960	<i>Npas3(+381180),Egln3(+674003)</i>	N/A
Chr12	5380475	5380579	Chr12.39	<i>Rab10(+1442)</i>	N/A
Chr12	53752785	53752933	Chr12.39260	<i>Egln3(+451001),Npas3(+504182)</i>	N/A
Chr12	53753407	53753657	Chr12.39264	<i>Egln3(+450328),Npas3(+504855)</i>	N/A
Chr12	53759339	53759471	Chr12.39283	<i>Egln3(+444458),Npas3(+510728)</i>	N/A
Chr12	53764412	53764412	Chr12.39288	<i>Egln3(+439503),Npas3(+615680)</i>	N/A
Chr12	53768862	53768991	Chr12.39319	<i>Egln3(+434933),Npas3(+520250)</i>	N/A
Chr12	53782009	53782308	Chr12.39344	<i>Egln3(+421701),Npas3(+533482)</i>	N/A
Chr12	53786243	53786368	Chr12.39362	<i>Egln3(+417554),Npas3(+537629)</i>	N/A
Chr12	53801395	53801622	Chr12.39406	<i>Egln3(+402351),Npas3(+552832)</i>	N/A
Chr12	53801915	53802127	Chr12.39410	<i>Egln3(+401639),Npas3(+553344)</i>	N/A
Chr12	53802371	53802816	Chr12.39413	<i>Egln3(+401266),Npas3(+563917)</i>	N/A
Chr12	53812383	53812550	Chr12.39442	<i>Egln3(+391393),Npas3(+563790)</i>	N/A
Chr12	53825528	53825761	Chr12.39472	<i>Egln3(+378215),Npas3(+576968)</i>	N/A
Chr12	53826803	53827066	Chr12.39480	<i>Egln3(+376925),Npas3(+578258)</i>	N/A
Chr12	53832006	53832351	Chr12.39497	<i>Egln3(+371681),Npas3(+583502)</i>	N/A
Chr12	53832467	53832611	Chr12.39500	<i>Egln3(+371321),Npas3(+583620)</i>	N/A
Chr12	53832762	53832990	Chr12.39506	<i>Egln3(+370984),Npas3(+584199)</i>	N/A
Chr12	53833023	53833184	Chr12.39512	<i>Egln3(+370756),Npas3(+584427)</i>	N/A
Chr12	53833228	53833771	Chr12.39517	<i>Egln3(+370360),Npas3(+584823)</i>	N/A
Chr12	53836404	53836753	Chr12.39525	<i>Egln3(+367281),Npas3(+587902)</i>	N/A
Chr12	53836999	53836996	Chr12.39535	<i>Egln3(+365177),Npas3(+590006)</i>	N/A
Chr12	53839019	53839154	Chr12.39538	<i>Egln3(+364773),Npas3(+590410)</i>	N/A
Chr12	53846491	53846902	Chr12.39561	<i>Egln3(+357163),Npas3(+598020)</i>	N/A
Chr12	53888725	53888854	Chr12.39656	<i>Egln3(+315070),Npas3(+640113)</i>	N/A
Chr12	53890578	53890958	Chr12.39664	<i>Egln3(+313092),Npas3(+642091)</i>	N/A
Chr12	53915399	53916203	Chr12.39717	<i>Egln3(+288059),Npas3(+667124)</i>	N/A
Chr12	53916236	53916730	Chr12.39718	<i>Egln3(+287377),Npas3(+667806)</i>	N/A
Chr12	3718964	3719109	Chr12.398	<i>Dnmt3a(+87993),Dnmt3(+146646)</i>	N/A
Chr12	53981562	53981887	Chr12.39933	<i>Egln3(+222135),Npas3(+733048)</i>	N/A
Chr12	53995767	53995992	Chr12.39967	<i>Egln3(+207980),Npas3(+747203)</i>	N/A
Chr12	53996201	53996314	Chr12.39970	<i>Egln3(+207602),Npas3(+747581)</i>	N/A
Chr12	54000653	54000800	Chr12.39977	<i>Egln3(+203083),Npas3(+752100)</i>	N/A
Chr12	54031153	54031314	Chr12.40048	<i>Egln3(+172826),Npas3(+782553)</i>	N/A
Chr12	54031496	54031719	Chr12.40052	<i>Egln3(+172522),Npas3(+782931)</i>	N/A
Chr12	54034114	54034241	Chr12.40061	<i>Egln3(+169682),Npas3(+785501)</i>	N/A
Chr12	54034677	54034811	Chr12.40088	<i>Egln3(+169116),Npas3(+786067)</i>	N/A
Chr12	7030722	7030838	Chr12.4007	<i>Apob(+94688)</i>	N/A
Chr12	54042672	54043172	Chr12.40085	<i>Egln3(+160788),Npas3(+794395)</i>	N/A
Chr12	54052905	54053119	Chr12.40132	<i>Egln3(+150848),Npas3(+804335)</i>	N/A
Chr12	54061068	54061547	Chr12.40167	<i>Egln3(+142552),Npas3(+812631)</i>	N/A
Chr12	54147227	54147400	Chr12.40265	<i>Egln3(+56546),Npas3(+898637)</i>	N/A
Chr12	54162838	54163003	Chr12.40277	<i>Egln3(+40639),Npas3(+914244)</i>	N/A
Chr12	3723918	3724019	Chr12.403	<i>Dnmt3a(+83061),Dnmt3(+151578)</i>	N/A
Chr12	54186876	54186983	Chr12.40310	<i>Egln3(+16930),Npas3(+938253)</i>	N/A
Chr12	54187849	54187973	Chr12.40313	<i>Egln3(+15949),Npas3(+939234)</i>	N/A
Chr12	54191909	54192182	Chr12.40318	<i>Egln3(+11814),Npas3(+943369)</i>	N/A
Chr12	54197479	54197868	Chr12.40324	<i>Egln3(+6186),Npas3(+948997)</i>	N/A
Chr12	54282329	54282480	Chr12.40390	<i>Egln3(+78535),Sptssal(+374177)</i>	N/A
Chr12	54286971	54287238	Chr12.40402	<i>Egln3(+63245),Sptssal(+369467)</i>	N/A
Chr12	54293338	54293469	Chr12.40416	<i>Egln3(+69545),Sptssal(+363168)</i>	N/A
Chr12	54313709	54313822	Chr12.40416	<i>Egln3(+109906),Sptssal(+342806)</i>	N/A
Chr12	54316949	54317235	Chr12.40422	<i>Egln3(+113232),Sptssal(+339480)</i>	N/A
Chr12	54364549	54364722	Chr12.40458	<i>Egln3(+160776),Sptssal(+291936)</i>	N/A
Chr12	54405175	54405437	Chr12.40480	<i>Egln3(+201448),Sptssal(+251266)</i>	N/A
Chr12	54448038	54448638	Chr12.40531	<i>Egln3(+344711),Sptssal(+208051)</i>	N/A
Chr12	54454598	54454727	Chr12.40552	<i>Egln3(+250798),Sptssal(+201914)</i>	N/A
Chr12	54492786	54492912	Chr12.40598	<i>Egln3(+288989),Sptssal(+163723)</i>	N/A
Chr12	54546115	54546391	Chr12.40654	<i>Egln3(+342393),Sptssal(+110319)</i>	N/A
Chr12	54834910	54835086	Chr12.40762	<i>Srx6(+39295),Cf2(+27879)</i>	N/A
Chr12	54859630	54859837	Chr12.40772	<i>Srx6(+64031),Cf2(+3143)</i>	N/A
Chr12	54860196	54860598	Chr12.40774	<i>Srx6(+64944),Cf2(+2440)</i>	N/A
Chr12	54860669	54861009	Chr12.40777	<i>Srx6(+65136),Cf2(+2038)</i>	N/A
Chr12	54862088	54862221	Chr12.40785	<i>Cf2(+722)</i>	N/A
Chr12	54984181	54984323	Chr12.40865	<i>Cf2(+121375),Baz1a(+2255)</i>	N/A
Chr12	54985021	54985127	Chr12.40871	<i>Cf2(+122197),Baz1a(+1433)</i>	N/A
Chr12	55080449	55080581	Chr12.40911	<i>270009309(ni-405)</i>	N/A
Chr12	55321794	55321957	Chr12.41102	<i>Pama6(+76899),Ppp2r3c(+18876)</i>	N/A
Chr12	55344229	55344667	Chr12.41116	<i>Pama6(+54327),Ppp2r3c(+41448)</i>	N/A
Chr12	55390467	55390612	Chr12.41173	<i>Ppp2r3c(+87540),Pama6(+8235)</i>	N/A
Chr12	55465005	55465163	Chr12.41229	<i>Ntkbia(+27563),Pama6(+66309)</i>	N/A
Chr12	55469410	55469509	Chr12.41233	<i>Ntkbia(+20187),Pama6(+67685)</i>	N/A
Chr12	55467001	55467146	Chr12.41235	<i>Ntkbia(+25533),Pama6(+66299)</i>	N/A
Chr12	55491868	55491967	Chr12.41271	<i>Ntkbia(+729)</i>	N/A
Chr12	55504325	55504441	Chr12.41296	<i>Aldoa2(+60856),Ntkbia(+11736)</i>	N/A
Chr12	55560493	55560629	Chr12.41350	<i>Aldoa2(+4678)</i>	N/A
Chr12	55560860	55560759	Chr12.41351	<i>Aldoa2(+4529)</i>	N/A
Chr12	55567223	55567499	Chr12.41361	<i>Ins2(+31560),Aldoa2(+2172)</i>	N/A
Chr12	55721303	55721637	Chr12.41574	<i>Ralgapa1(+99697),Ins2(+122553)</i>	N/A
Chr12	55820141	55820247	Chr12.41629	<i>Ralgapa1(+973)</i>	N/A
Chr12	55821070	55821246	Chr12.41633	<i>Ralgapa1(+9)</i>	N/A
Chr12	55836036	55836146	Chr12.41636	<i>Bms1l(+275)</i>	N/A
Chr12	7228763	7228989	Chr12.4168	<i>Apob(+74876)</i>	N/A
Chr12	55933894	55934052	Chr12.41770	<i>Bms1l(+97607),Mbp(+411921)</i>	N/A
Chr12	55977918	55978100	Chr12.41801	<i>Bms1l(+141643),Mbp(+367885)</i>	N/A
Chr12	56005275	56005533	Chr12.41845	<i>Bms1l(+169038),Mbp(+340490)</i>	N/A
Chr12	56064275	56064454	Chr12.41911	<i>Bms1l(+227999),Mbp(+281529)</i>	N/A
Chr12	56296820	56296935	Chr12.42105	<i>Mbp(+49016),Bms1l(+460512)</i>	N/A
Chr12	56298777	56298777	Chr12.42113	<i>Mbp(+47544),Bms1l(+691984)</i>	N/A
Chr12	56301729	56301829	Chr12.42122	<i>Mbp(+44115),Bms1l(+465413)</i>	N/A
Chr12	56301940	56302278	Chr12.42123	<i>Mbp(+43785),Bms1l(+465743)</i>	N/A
Chr12	56440329	56440443	Chr12.42317	<i>Mbp(+94492),Nkx2-1(+96522)</i>	N/A
Chr12	56529445	56529615	Chr12.42487	<i>Mbp(+183636),Nkx2-1(+7378)</i>	N/A
Chr12	56532387	56532616	Chr12.42493	<i>Mbp(+186608),Nkx2-1(+4406)</i>	N/A
Chr12	56535321	56535421	Chr12.42513	<i>Mbp(+189477),Nkx2-1(+1537)</i>	N/A
Chr12	56535797	56536082	Chr12.42517	<i>Nkx2-1(+968)</i>	N/A
Chr12	56536564	56536862	Chr12.42522	<i>Nkx2-1(+195)</i>	N/A
Chr12	56613385	56613513	Chr12.42571	<i>Nkx2-9(+165)</i>	N/A
Chr12	56669770	56670057	Chr12.42619	<i>Nkx2-9(+56630),Pax9(+21853)</i>	N/A
Chr12	56691064	56691254	Chr12.42662	<i>Pax9(+608)</i>	N/A
Chr12	56693371	56693593	Chr12.42671	<i>Pax9(+5863),Slc25a2(+463612)</i>	N/A
Chr12	56697350	56697470	Chr12.42695	<i>Pax9(+5643),Slc25a2(+461834)</i>	N/A
Chr12	56697651	56697776	Chr12.42699	<i>Pax9(+6947),Slc25a2(+461530)</i>	N/A
Chr12	56698288	56698414	Chr12.42703	<i>Pax9(+6584),Slc25a2(+460693)</i>	N/A
Chr12	56698475	56698664	Chr12.42707	<i>Pax9(+6803),Slc25a2(+460874)</i>	N/A
Chr12	56718854	56719048	Chr12.42801	<i>Pax9(+27184),Slc25a2(+440293)</i>	N/A
Chr12	56719228	56719393	Chr12.42802	<i>Pax9(+27544),Slc25a2(+439933)</i>	N/A
Chr12	56728013	56728135	Chr12.42819	<i>Pax9(+36307),Slc25a2(+431170)</i>	N/A
Chr12	56756410	56756677	Chr12.42878	<i>Pax9(+64777),Slc25a2(+402700)</i>	N/A
Chr12	56781009	56781690	Chr12.42941	<i>Pax9(+89583),Slc25a2(+377894)</i>	N/A
Chr12	56786558	56786814	Chr12.42967	<i>Pax9(+97969),Slc25a2(+369508)</i>	N/A
Chr12	56822043	56822153	Chr12.43028	<i>Pax9(+30331),Slc25a2(+337146)</i>	N/A
Chr12	56823332	56823528	Chr12.43036	<i>Pax9(+131663),Slc25a2(+335814)</i>	N/A
Chr12	56827824	56828143	Chr12.43069	<i>Pax9(+136217),Slc25a2(+331260)</i>	N/A
Chr12	56829567	56829897	Chr12.43074	<i>Pax9(+137965),Slc25a2(+329512)</i>	N/A
Chr12	56878976	56879101	Chr12.43186	<i>Pax9(+187272),Slc25a2(+280205)</i>	N/A
Chr12	56944199	56944345	Chr12.43291	<i>Slc25a2(+1214973),Pax9(+253594)</i>	N/A
Chr12	56958198	56958376	Chr12.43307	<i>Slc25a2(+1200682),Pax9(+266515)</i>	N/A
Chr12	56958820	56959067	Chr12.43311	<i>Slc25a2(+1200300),Pax9(+267177)</i>	N/A
Chr12	56959123	56959451	Chr12.43314	<i>Slc25a2(+1199957),Pax9(+267520)</i>	N/A
Chr12	56959917	56960062	Chr12.43320	<i>Slc25a2(+1199254),Pax9(+268223)</i>	N/A
Chr12	56969478	56969465	Chr12.43375	<i>Slc25a2(+117445),Pax9(+293032)</i>	N/A
Chr12	56990161	56990164	Chr12.43388	<i>Slc25a2(+1169141),Pax9(+296336)</i>	N/A
Chr12	57009088	57009380	Chr12.43432	<i>Slc25a2(+1150010),Pax9(+317467)</i>	N/A
Chr12	57030937	57031119	Chr12.43471	<i>Slc25a2(+1128216),Pax9(+339261)</i>	N/A
Chr12	57068716	57068914	Chr12.43504	<i>Slc25a2(+1190429),Pax9(+377048)</i>	N/A
Chr12	57071997	57072231	Chr12.43508	<i>Slc25a2(+87130),Pax9(+380347)</i>	N/A
Chr12	57072759	57072875	Chr12.43510	<i>Slc25a2(+1168427),Pax9(+381050)</i>	N/A
Chr12	57076712	57077198	Chr12.43514	<i>Slc25a2(+82229),Pax9(+385189)</i>	N/A

Chr12	57082622	57083194	Chr12.43526	Slc25a21(+76336),Pav9(+391141)	N/A
Chr12	57089794	57089917	Chr12.43543	Slc25a21(+69388),Pav9(+398089)	N/A
Chr12	57094672	57094795	Chr12.43552	Slc25a21(+64510),Pav9(+402967)	N/A
Chr12	57095063	57095233	Chr12.43556	Slc25a21(+64096),Pav9(+403361)	N/A
Chr12	57108911	57109137	Chr12.43576	Slc25a21(+50220),Pav9(+417257)	N/A
Chr12	57109344	57109677	Chr12.43578	Slc25a21(+49733),Pav9(+417744)	N/A
Chr12	57109715	57109992	Chr12.43579	Slc25a21(+49390),Pav9(+418087)	N/A
Chr12	57118404	57118626	Chr12.43592	Slc25a21(+40729),Pav9(+426748)	N/A
Chr12	57118850	57119018	Chr12.43596	Slc25a21(+40310),Pav9(+427167)	N/A
Chr12	57122704	57123046	Chr12.43603	Slc25a21(+36369),Pav9(+431108)	N/A
Chr12	57124653	57125030	Chr12.43613	Slc25a21(+34402),Pav9(+433075)	N/A
Chr12	57137343	57137680	Chr12.43628	Slc25a21(+21732),Pav9(+445745)	N/A
Chr12	57138710	57139308	Chr12.43637	Slc25a21(+20235),Pav9(+447242)	N/A
Chr12	57179463	57179999	Chr12.43691	Ppss10(-50671),Slc25a21(-20497)	N/A
Chr12	57275596	57275853	Chr12.43715	Mipol1(+45279),Foxa1(+270396)	N/A
Chr12	7450620	7450939	Chr12.4379	Apob(-526968)	N/A
Chr12	57401547	57401755	Chr12.43822	Foxa1(+144470),Mipol1(+171205)	N/A
Chr12	57436744	57436904	Chr12.43846	Foxa1(+109297),Mipol1(+206378)	N/A
Chr12	57508912	57509330	Chr12.43946	Foxa1(+37000),Mipol1(+278675)	N/A
Chr12	57509664	57509772	Chr12.43949	Foxa1(+36403),Mipol1(+279272)	N/A
Chr12	7465107	7465356	Chr12.4398	Apob(-512416)	N/A
Chr12	57538946	57539048	Chr12.43996	Foxa1(+7124),Mipol1(+308551)	N/A
Chr12	7465399	7465498	Chr12.4400	Apob(-512199)	N/A
Chr12	57546670	57546935	Chr12.44049	Foxa1(-682)	N/A
Chr12	57764823	57765022	Chr12.44275	Satr1(-446881),Foxa1(-218802)	N/A
Chr12	57776800	57776966	Chr12.44285	Satr1(-434921),Foxa1(-230762)	N/A
Chr12	58002859	58003016	Chr12.44429	Foxa1(-456817),Satr1(-208866)	N/A
Chr12	58269015	58269139	Chr12.44642	Clec14a(+181)	N/A
Chr12	58538430	58538600	Chr12.44803	Clec14a(-269257),Sec23a(+473502)	N/A
Chr12	58551050	58551260	Chr12.44810	Clec14a(-281897),Sec23a(+460862)	N/A
Chr12	58845709	58845870	Chr12.45050	Clec14a(-576532),Sec23a(+166227)	N/A
Chr12	59129123	59129222	Chr12.45264	Mia2(-590)	N/A
Chr12	59129667	59129813	Chr12.45288	Mia2(-23)	N/A
Chr12	59486114	59486452	Chr12.45544	Fbxo33(-266558)	N/A
Chr12	59835017	59835163	Chr12.45833	Fbxo33(-615365)	N/A
Chr12	59971851	59972053	Chr12.45918	Fbxo33(-752227)	N/A
Chr12	61523468	61523637	Chr12.46227	Lrhn5(-36)	N/A
Chr12	61524553	61525041	Chr12.46241	Lrhn5(+849)	N/A
Chr12	61526004	61526110	Chr12.46254	Lrhn5(+2109)	N/A
Chr12	61526383	61526528	Chr12.46260	Lrhn5(+2508)	N/A
Chr12	3781825	3781979	Chr12.466	Dnmt3a(-25128),Dtnb(+209511)	N/A
Chr12	7749649	7749653	Chr12.4713	Apob(-27906)	N/A
Chr12	64917755	64917858	Chr12.47175	Gm527(-104)	N/A
Chr12	64917896	64918030	Chr12.47178	Gm527(+52)	N/A
Chr12	64965647	64965805	Chr12.47271	Klhl28(-190),Togaram1(-16)	N/A
Chr12	64965886	64966002	Chr12.47274	Klhl28(-408),Togaram1(+202)	N/A
Chr12	65382200	65382320	Chr12.47718	Wdr20a(+156743),Rpl10(+902141)	N/A
Chr12	65402259	65402441	Chr12.47726	Wdr20a(+176853),Rpl10a(-882031)	N/A
Chr12	65428420	65428576	Chr12.47766	Wdr20a(+202981),Rpl10(-855903)	N/A
Chr12	65428943	65429050	Chr12.47771	Wdr20a(+203480),Rpl10(+855404)	N/A
Chr12	65570524	65570662	Chr12.47892	Wdr20a(+345076),Rpl10(+713808)	N/A
Chr12	3808745	3808942	Chr12.479	Pomc(-146107),Dnmt3a(+1814)	N/A
Chr12	66157648	66157978	Chr12.48134	Rpl10(+126588),Wdr20a(+932296)	N/A
Chr12	66470239	66470441	Chr12.48250	Mdga2(+718)	N/A
Chr12	66470672	66470784	Chr12.48251	Mdga2(+330)	N/A
Chr12	66640578	66640697	Chr12.48320	Mdga2(-169580),Mdga2(+581911)	N/A
Chr12	67220234	67220461	Chr12.48685	Mdga2(-749290),Mdga2(+2201)	N/A
Chr12	67220773	67221106	Chr12.48691	Mdga2(-749882),Mdga2(+1609)	N/A
Chr12	67221620	67221634	Chr12.48697	Mdga2(+822)	N/A
Chr12	67222071	67222230	Chr12.48700	Mdga2(+396)	N/A
Chr12	68683393	68683529	Chr12.49331	Rps29(+475725)	N/A
Chr12	68799605	68800080	Chr12.49539	Rps29(+179163)	N/A
Chr12	69082197	69082465	Chr12.49649	Rps29(+79855)	N/A
Chr12	69184028	69184166	Chr12.49721	Rpl36a(-84),Mgat2(-61)	N/A
Chr12	69186852	69187003	Chr12.49760	Rpl36a(-3915),Mgat2(-2770)	N/A
Chr12	69264780	69265020	Chr12.49873	Khdcc2(-31822),Khdcc1(+23068)	N/A
Chr12	69373694	69373813	Chr12.50005	Gm9887(-1296)	N/A
Chr12	69373844	69374020	Chr12.50006	Gm9887(-1474)	N/A
Chr12	69374066	69374338	Chr12.50007	Gm9887(-1744)	N/A
Chr12	69374412	69374683	Chr12.50014	Gm9887(-2190)	N/A
Chr12	69418975	69419078	Chr12.50049	Gm9887(-46689),Vcpkmr(+164001)	N/A
Chr12	69419188	69419425	Chr12.50051	Gm9887(-46649),Vcpkmr(+163721)	N/A
Chr12	69422737	69422902	Chr12.50057	Gm9887(-50362),Vcpkmr(+160208)	N/A
Chr12	69437196	69437301	Chr12.50072	Gm9887(-64791),Vcpkmr(+145779)	N/A
Chr12	69442515	69442626	Chr12.50077	Gm9887(-70113),Vcpkmr(+140457)	N/A
Chr12	69447895	69448011	Chr12.50088	Gm9887(-75485),Vcpkmr(+135075)	N/A
Chr12	69448348	69448514	Chr12.50091	Gm9887(-75973),Vcpkmr(+134597)	N/A
Chr12	69458422	69458619	Chr12.50103	Gm9887(-86063),Vcpkmr(+124507)	N/A
Chr12	69495553	69495676	Chr12.50133	Gm9887(-127157),Vcpkmr(+83413)	N/A
Chr12	69538090	69538231	Chr12.50145	Gm9887(-165703),Vcpkmr(+44867)	N/A
Chr12	69581174	69581297	Chr12.50248	Sos2(+605)	N/A
Chr12	69752090	69752216	Chr12.50333	4930512b01rk(-38135),Dmacc2(+27191)	N/A
Chr12	69757875	69757993	Chr12.50353	4930512b01rk(-32354),Dmacc2(+32972)	N/A
Chr12	69758659	69758761	Chr12.50358	4930512b01rk(-31578),Dmacc2(+33748)	N/A
Chr12	69879870	69880117	Chr12.50463	Cdk1(-89287),Atf1(-13111)	N/A
Chr12	69907703	69907902	Chr12.50486	Gm3086(-55670),Map4(-14603)	N/A
Chr12	69908571	69908714	Chr12.50489	Gm3086(-54623),Map4(-15450)	N/A
Chr12	70019159	70019330	Chr12.50595	Sav1(-32243),Nin(+83588)	N/A
Chr12	70070446	70070606	Chr12.50772	Sav1(-83524),Nin(+32307)	N/A
Chr12	70105025	70105158	Chr12.50845	Nin(-2259)	N/A
Chr12	70107790	70107913	Chr12.50850	Abhd12b(-46305),Nin(-5019)	N/A
Chr12	70108115	70108306	Chr12.50852	Abhd12b(-45946),Nin(-5378)	N/A
Chr12	70133917	70131209	Chr12.50889	Nin(-28230),Abhd12b(-23094)	N/A
Chr12	70251346	70251670	Chr12.51076	Pgyl(-23825),Trim6(+86106)	N/A
Chr12	70251984	70252109	Chr12.51084	Pgyl(-24364),Trim6(+95567)	N/A
Chr12	3841967	3842139	Chr12.511	Pomc(-112898),Dnmt3a(+35023)	N/A
Chr12	70267788	70267887	Chr12.51122	Pgyl(-40159),Trim6(+79776)	N/A
Chr12	70287496	70287512	Chr12.51169	Pgyl(-59776),Trim6(+60155)	N/A
Chr12	70422526	70422667	Chr12.51324	Trim6(-74983),Tmx1(-30498)	N/A
Chr12	70532978	70533078	Chr12.51390	Fmrd6(-292486),Tmx1(+79933)	N/A
Chr12	70533264	70533500	Chr12.51392	Fmrd6(-292132),Tmx1(+80287)	N/A
Chr12	70545130	70545265	Chr12.51410	Fmrd6(-280316),Tmx1(+92103)	N/A
Chr12	70547441	70547550	Chr12.51422	Fmrd6(-278018),Tmx1(+94401)	N/A
Chr12	70560638	70560972	Chr12.51429	Fmrd6(-264606),Tmx1(+107810)	N/A
Chr12	70568485	70568588	Chr12.51453	Fmrd6(-236977),Tmx1(+135442)	N/A
Chr12	70616069	70616233	Chr12.51480	Fmrd6(-209363),Tmx1(+163056)	N/A
Chr12	70616638	70616794	Chr12.51485	Fmrd6(-208798),Tmx1(+163621)	N/A
Chr12	70634004	70634125	Chr12.51522	Fmrd6(-191449),Tmx1(+180970)	N/A
Chr12	70647624	70647939	Chr12.51526	Fmrd6(-177632),Tmx1(+194757)	N/A
Chr12	70657397	70657532	Chr12.51530	Fmrd6(-168049),Tmx1(+204370)	N/A
Chr12	70671948	70672056	Chr12.51533	Fmrd6(-153512),Tmx1(+218907)	N/A
Chr12	70687078	70687263	Chr12.51555	Fmrd6(-138343),Tmx1(+234076)	N/A
Chr12	7068665	70698769	Chr12.51578	Fmrd6(-126797),Tmx1(+245622)	N/A
Chr12	70718810	70718845	Chr12.51602	Fmrd6(-106636),Tmx1(+265763)	N/A
Chr12	70720381	70720493	Chr12.51606	Fmrd6(-105077),Tmx1(+267342)	N/A
Chr12	70750014	70750206	Chr12.51634	Fmrd6(-75404),Tmx1(+297015)	N/A
Chr12	70752591	70752698	Chr12.51638	Fmrd6(-72869),Tmx1(+299550)	N/A
Chr12	70784195	70784382	Chr12.51665	Fmrd6(-41225),Tmx1(+331194)	N/A
Chr12	70795228	70795365	Chr12.51673	Fmrd6(-30217),Tmx1(+342202)	N/A
Chr12	70798603	70798847	Chr12.51678	Fmrd6(-26789),Tmx1(+345630)	N/A
Chr12	70799422	70799629	Chr12.51683	Fmrd6(-25898),Tmx1(+346431)	N/A
Chr12	70826615	70826804	Chr12.51717	Actr10(-111147),Fmrd6(+1196)	N/A
Chr12	70827025	70827344	Chr12.51719	Actr10(-110672),Fmrd6(+1671)	N/A
Chr12	70827958	70828144	Chr12.51732	Actr10(-109806),Fmrd6(+2537)	N/A
Chr12	70837621	70837773	Chr12.51750	Actr10(-100160),Fmrd6(+12183)	N/A
Chr12	70851336	70851581	Chr12.51766	Actr10(-86399),Fmrd6(+25945)	N/A
Chr12	70868057	70868268	Chr12.51780	Actr10(-69694),Fmrd6(+42649)	N/A
Chr12	70877929	70878190	Chr12.51790	Actr10(-59797),Fmrd6(+52546)	N/A
Chr12	70999679	70999815	Chr12.51942	Arid4a(-16243),Pasma3(+25126)	N/A
Chr12	71015664	71015803	Chr12.51952	Arid4a(-256)	N/A
Chr12	71015879	71016257	Chr12.51958	Arid4a(-78)	N/A
Chr12	71016960	71017070	Chr12.51964	Tomm20l(-64413),Arid4a(+1025)	N/A
Chr12	71048179	71048586	Chr12.51995	Tomm20l(-63045),Arid4a(+32393)	N/A
Chr12	71049508	71049609	Chr12.52004	Tomm20l(-61869),Arid4a(+33569)	N/A
Chr12	71067391	71067791	Chr12.52021	Tomm20l(-43837),Arid4a(+51601)	N/A
Chr12	71227434	71227578	Chr12.52207	Dact1(-82478),2700049a03nk(+90658)	N/A
Chr12	71227683	71228114	Chr12.52209	Dact1(-82080),2700049a03nk(+91069)	N/A
Chr12	71228250	71228357	Chr12.52213	Dact1(-81680),2700049a03nk(+91456)	N/A

Chr12	71229273	71229415	Chr12.52217	Dact1(-80640),2700049a03nik(+92496)	N/A
Chr12	71234030	71234268	Chr12.52221	Dact1(-75835),2700049a03nik(+97301)	N/A
Chr12	71249106	71249887	Chr12.52244	Dact1(-80487),2700049a03nik(+112649)	N/A
Chr12	71258343	71258609	Chr12.52265	Dact1(-51588),2700049a03nik(+1216143)	N/A
Chr12	71279920	71280172	Chr12.52278	Dact1(-29938),2700049a03nik(+143198)	N/A
Chr12	71294673	71294816	Chr12.52291	Dact1(-15239),2700049a03nik(+157897)	N/A
Chr12	71297181	71297295	Chr12.52294	Dact1(-12746),2700049a03nik(+160390)	N/A
Chr12	71297377	71297508	Chr12.52297	Dact1(-12541),2700049a03nik(+160595)	N/A
Chr12	71298986	71299185	Chr12.52300	Dact1(-10898),2700049a03nik(+162238)	N/A
Chr12	71300356	71300526	Chr12.52316	Dact1(-3543)	N/A
Chr12	71307188	71307300	Chr12.52320	Dact1(-2740)	N/A
Chr12	71307394	71307494	Chr12.52325	Dact1(-2540)	N/A
Chr12	71311640	71312048	Chr12.52338	Daam1(-519234),Dact1(+1860)	N/A
Chr12	71312971	71313075	Chr12.52347	Daam1(-519055),Dact1(+3039)	N/A
Chr12	71356156	71356274	Chr12.524	Pomc(-98736),Dnmt3a(+49184)	N/A
Chr12	71330031	71330184	Chr12.52420	Daam1(-500070),Dact1(+20124)	N/A
Chr12	71333334	71333444	Chr12.52428	Daam1(-497689),Dact1(+23405)	N/A
Chr12	71333742	71334133	Chr12.52434	Daam1(-497140),Dact1(+23954)	N/A
Chr12	71337491	71337716	Chr12.52449	Daam1(-493473),Dact1(+27621)	N/A
Chr12	71340350	71346121	Chr12.52468	Daam1(-485015),Dact1(+36079)	N/A
Chr12	71346745	71346903	Chr12.52474	Daam1(-484294),Dact1(+36840)	N/A
Chr12	71360771	71360945	Chr12.52483	Daam1(-470220),Dact1(+50874)	N/A
Chr12	71361020	71361232	Chr12.52487	Daam1(-469952),Dact1(+51142)	N/A
Chr12	71373817	71374041	Chr12.52524	Daam1(-457149),Dact1(+63945)	N/A
Chr12	71376537	71376960	Chr12.52527	Daam1(-454329),Dact1(+66765)	N/A
Chr12	71389488	71389625	Chr12.52554	Daam1(-432521),Dact1(+68573)	N/A
Chr12	71398739	71398959	Chr12.52556	Daam1(-432229),Dact1(+88865)	N/A
Chr12	71402027	71402186	Chr12.52562	Daam1(-428971),Dact1(+92123)	N/A
Chr12	71426123	71426530	Chr12.52595	Daam1(-404751),Dact1(+116343)	N/A
Chr12	71429779	71429894	Chr12.52603	Daam1(-401241),Dact1(+119853)	N/A
Chr12	71430387	71430527	Chr12.52606	Daam1(-400662),Dact1(+120473)	N/A
Chr12	71433395	71433638	Chr12.52611	Daam1(-397561),Dact1(+123533)	N/A
Chr12	71433707	71433882	Chr12.52615	Daam1(-397283),Dact1(+123811)	N/A
Chr12	71438129	71438368	Chr12.52618	Daam1(-392829),Dact1(+128265)	N/A
Chr12	71449929	71450171	Chr12.52631	Daam1(-381028),Dact1(+140066)	N/A
Chr12	71450792	71450950	Chr12.52637	Daam1(-380207),Dact1(+140887)	N/A
Chr12	71451074	71451282	Chr12.52641	Daam1(-379910),Dact1(+141184)	N/A
Chr12	71458877	71459084	Chr12.52656	Daam1(-372097),Dact1(+148697)	N/A
Chr12	71471347	71471534	Chr12.52672	Daam1(-359637),Dact1(+161457)	N/A
Chr12	71481383	71481835	Chr12.52683	Daam1(-349469),Dact1(+171625)	N/A
Chr12	71481925	71482061	Chr12.52689	Daam1(-349085),Dact1(+172009)	N/A
Chr12	71482102	71482205	Chr12.52692	Daam1(-348924),Dact1(+172170)	N/A
Chr12	71483450	71483662	Chr12.52700	Daam1(-347572),Dact1(+173522)	N/A
Chr12	71483625	71483765	Chr12.52701	Daam1(-347383),Dact1(+173711)	N/A
Chr12	71506130	71506286	Chr12.52720	Daam1(-324870),Dact1(+196224)	N/A
Chr12	71519326	71519468	Chr12.52736	Daam1(-311681),Dact1(+209413)	N/A
Chr12	71523025	71523124	Chr12.52742	Daam1(-308003),Dact1(+213091)	N/A
Chr12	71529388	71529487	Chr12.52745	Daam1(-304946),Dact1(+216456)	N/A
Chr12	71526919	71527023	Chr12.52751	Daam1(-304107),Dact1(+216987)	N/A
Chr12	71536911	71537011	Chr12.52763	Daam1(-294117),Dact1(+226977)	N/A
Chr12	71542808	71543148	Chr12.52769	Daam1(-288100),Dact1(+232994)	N/A
Chr12	71551791	71551896	Chr12.52780	Daam1(-279234),Dact1(+241860)	N/A
Chr12	71561337	71561448	Chr12.52787	Daam1(-269688),Dact1(+251409)	N/A
Chr12	71569823	71570042	Chr12.52800	Daam1(-261145),Dact1(+259949)	N/A
Chr12	71573298	71573403	Chr12.52805	Daam1(-257727),Dact1(+263367)	N/A
Chr12	71578215	71578445	Chr12.52822	Daam1(-252748),Dact1(+268346)	N/A
Chr12	71578950	71579225	Chr12.52828	Daam1(-251990),Dact1(+269104)	N/A
Chr12	71601429	71601532	Chr12.52845	Daam1(-229597),Dact1(+291497)	N/A
Chr12	71613604	71613725	Chr12.52859	Daam1(-217413),Dact1(+303681)	N/A
Chr12	71619652	71619787	Chr12.52867	Daam1(-211353),Dact1(+309741)	N/A
Chr12	71627068	71627205	Chr12.52893	Daam1(-203941),Dact1(+317153)	N/A
Chr12	71628654	71628951	Chr12.52899	Daam1(-202275),Dact1(+318819)	N/A
Chr12	71668824	71669697	Chr12.529	Pomc(-88055),Dnmt3a(+59866)	N/A
Chr12	71628982	71629096	Chr12.52906	Daam1(-202039),Dact1(+319055)	N/A
Chr12	71635120	71635262	Chr12.52913	Daam1(-193887),Dact1(+325307)	N/A
Chr12	71642376	71642501	Chr12.52924	Daam1(-188639),Dact1(+332455)	N/A
Chr12	71642537	71642782	Chr12.52926	Daam1(-188418),Dact1(+332676)	N/A
Chr12	71643043	71643233	Chr12.52930	Daam1(-187940),Dact1(+333154)	N/A
Chr12	71746256	71746379	Chr12.52949	Daam1(-84780),Dact1(+36334)	N/A
Chr12	71748167	71748266	Chr12.52952	Daam1(-82860),Dact1(+38224)	N/A
Chr12	71772438	71772550	Chr12.52962	Daam1(-58584),Dact1(+462910)	N/A
Chr12	71796770	71797028	Chr12.52987	Daam1(-34179),Dact1(+466915)	N/A
Chr12	71799994	71800098	Chr12.52992	Daam1(-31032),Dact1(+490062)	N/A
Chr12	71817228	71817380	Chr12.53009	Daam1(-13774),Dact1(+507320)	N/A
Chr12	71822700	71822806	Chr12.53018	Daam1(-8325),Dact1(+512769)	N/A
Chr12	71830986	71831238	Chr12.53030	Daam1(-40)	N/A
Chr12	71831287	71831429	Chr12.53039	Daam1(+280)	N/A
Chr12	71832374	71832575	Chr12.53044	Daam1(+1397),Gpr135(+238516)	N/A
Chr12	71834561	71834665	Chr12.53053	Daam1(+3535),Gpr135(+236378)	N/A
Chr12	71836148	71836290	Chr12.53059	Daam1(+5141),Gpr135(+234772)	N/A
Chr12	71836111	71836443	Chr12.53066	Daam1(+7299),Gpr135(+232614)	N/A
Chr12	71855591	71855657	Chr12.53070	Daam1(+24396),Gpr135(+215577)	N/A
Chr12	71863660	71863769	Chr12.53087	Daam1(+32637),Gpr135(+207276)	N/A
Chr12	71863839	71864123	Chr12.53092	Daam1(+32953),Gpr135(+206960)	N/A
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Chr12	71885827	71886148	Chr12.53123	Daam1(+54910),Gpr135(+185003)	N/A
Chr12	71888712	71888971	Chr12.53141	Daam1(+67166),Gpr135(+172148)	N/A
Chr12	71918888	71919035	Chr12.53187	Daam1(+87884),Gpr135(+150209)	N/A
Chr12	71919115	71919388	Chr12.53188	Daam1(+88174),Gpr135(+151739)	N/A
Chr12	71926808	71927074	Chr12.53198	Daam1(+95863),Gpr135(+144050)	N/A
Chr12	71954225	71954464	Chr12.53287	Gpr135(+116646),Daam1(+123267)	N/A
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Chr12	71969008	71969173	Chr12.53318	Gpr135(+101900),Daam1(+138013)	N/A
Chr12	71970857	71970989	Chr12.53325	Gpr135(+100068),Daam1(+139845)	N/A
Chr12	71972756	71972967	Chr12.53328	Gpr135(+98129),Daam1(+141784)	N/A
Chr12	71981382	71981486	Chr12.53344	Gpr135(+89557),Daam1(+150356)	N/A
Chr12	72021647	72021811	Chr12.53404	Gpr135(+49262),Daam1(+190651)	N/A
Chr12	72235733	72235872	Chr12.53591	Ccdc175(-80774),Rtn1(+13251)	N/A
Chr12	72235955	72236106	Chr12.53595	Ccdc175(-51017),Rtn1(+173008)	N/A
Chr12	72236426	72236592	Chr12.53595	Ccdc175(-51480),Rtn1(+172545)	N/A
Chr12	72239329	72239587	Chr12.53598	Ccdc175(-54429),Rtn1(+169596)	N/A
Chr12	72265448	72265575	Chr12.53607	Ccdc175(-80483),Rtn1(+143542)	N/A
Chr12	72265764	72265868	Chr12.53715	Ccdc175(-180787),Rtn1(+43238)	N/A
Chr12	72374044	72374148	Chr12.53717	Ccdc175(-169046),Rtn1(+34957)	N/A
Chr12	72719596	72719790	Chr12.54050	Dhs7(-54865),Ppm1a(-41518)	N/A
Chr12	72760401	72760556	Chr12.54067	Ppm1a(-732)	N/A
Chr12	72792879	72792998	Chr12.54128	Ppm1a(+31728),4930447c04nik(+124967)	N/A
Chr12	72821035	72821254	Chr12.54167	Ppm1a(+59934),4930447c04nik(+96761)	N/A
Chr12	72831621	72831772	Chr12.54182	Ppm1a(+70486),4930447c04nik(+86209)	N/A
Chr12	72854031	72854214	Chr12.54211	4930447c04nik(+63763),Ppm1a(+92812)	N/A
Chr12	72854290	72854485	Chr12.54215	4930447c04nik(+63338),Ppm1a(+93357)	N/A
Chr12	72945338	72945536	Chr12.54323	Six6(+5713),Six1(+101742)	N/A
Chr12	72976321	72976467	Chr12.54352	Six6(+36670),Six1(+70785)	N/A
Chr12	73012565	73012684	Chr12.54382	Six1(+34564),Six6(+72691)	N/A
Chr12	73012713	73013016	Chr12.54383	Six1(+34314),Six6(+73141)	N/A
Chr12	73019106	73019256	Chr12.54394	Six1(+27998),Six6(+79457)	N/A
Chr12	73031417	73031650	Chr12.54416	Six1(+15645),Six6(+91810)	N/A
Chr12	73032715	73033034	Chr12.54425	Six1(+14304),Six6(+93151)	N/A
Chr12	73033073	73033179	Chr12.54429	Six1(+14053),Six6(+93402)	N/A
Chr12	73034022	73034175	Chr12.54433	Six1(+13080),Six6(+94379)	N/A
Chr12	73035569	73035729	Chr12.54436	Six1(+11530),Six6(+95925)	N/A
Chr12	73035881	73035981	Chr12.54439	Six1(+11248),Six6(+96207)	N/A
Chr12	73037047	73037298	Chr12.54443	Six1(+10006),Six6(+97449)	N/A
Chr12	73038707	73038823	Chr12.54451	Six1(+8414),Six6(+99041)	N/A
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Chr12	73041841	73042067	Chr12.54463	Six1(+5225),Six6(+102230)	N/A
Chr12	73042189	73042351	Chr12.54465	Six1(+4909),Six6(+102546)	N/A
Chr12	73042462	73042716	Chr12.54469	Six1(+4590),Six6(+102865)	N/A
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Chr12	73043361	73043484	Chr12.54475	Six1(+3756),Six6(+103699)	N/A
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Chr12	73048655	73048886	Chr12.54513	Six1(-1592)	N/A
Chr12	73048925	73049034	Chr12.54517	Six1(-1801)	N/A
Chr12	73049340	73049547	Chr12.54520	Six1(-2265)	N/A
Chr12	73050121	73050314	Chr12.54523	Six1(-3039)	N/A

Chr12	73052928	73053166	Chr12.54534	<i>Six1(-5868),Six4(+60990)</i>	N/A
Chr12	73054903	73055092	Chr12.54536	<i>Six1(-7819),Six4(+59039)</i>	N/A
Chr12	73055375	73055562	Chr12.54539	<i>Six1(-8290),Six4(+58568)</i>	N/A
Chr12	73056002	73056220	Chr12.54542	<i>Six1(-8932),Six4(+57926)</i>	N/A
Chr12	73103214	73103361	Chr12.54599	<i>Six1(-58109),Six4(+10749)</i>	N/A
Chr12	73109936	73110176	Chr12.54624	<i>Six1(-62877),Six4(+3981)</i>	N/A
Chr12	73110494	73110605	Chr12.54627	<i>Six1(-63371),Six4(+3487)</i>	N/A
Chr12	73111609	73111756	Chr12.54630	<i>Six1(-64504),Six4(+2354)</i>	N/A
Chr12	73113285	73113700	Chr12.54641	<i>Six4(+544)</i>	N/A
Chr12	73147202	73147477	Chr12.54663	<i>Mnat1(+43023),Tmt5(+193771)</i>	N/A
Chr12	73154139	73154424	Chr12.54675	<i>Mnat1(+30565),Tmt5(+132429)</i>	N/A
Chr12	73205651	73205751	Chr12.54722	<i>Tmt5(+81010),Mnat1(+81984)</i>	N/A
Chr12	73206281	73206545	Chr12.54728	<i>Tmt5(+80298),Mnat1(+82696)</i>	N/A
Chr12	73207159	73207265	Chr12.54729	<i>Tmt5(+79499),Mnat1(+83495)</i>	N/A
Chr12	73210595	73210737	Chr12.54738	<i>Tmt5(+76045),Mnat1(+86949)</i>	N/A
Chr12	73223913	73224171	Chr12.54747	<i>Tmt5(+62669),Mnat1(+100325)</i>	N/A
Chr12	73259404	73259527	Chr12.54774	<i>Tmt5(+27245),Mnat1(+135749)</i>	N/A
Chr12	73259614	73259820	Chr12.54777	<i>Tmt5(+26994),Mnat1(+136000)</i>	N/A
Chr12	73268598	73268808	Chr12.54780	<i>Tmt5(+18008),Mnat1(+144986)</i>	N/A
Chr12	38874111	3887880	Chr12.548	<i>Pomc(-67305),Dnm3a(+80616)</i>	N/A
Chr12	73303458	73303667	Chr12.54869	<i>Sic38a6(+16784),D830013o2oNrk(+67882)</i>	N/A
Chr12	73325709	73325945	Chr12.54893	<i>Sic38a6(+39048),D830013o2oNrk(+45618)</i>	N/A
Chr12	73327553	73327981	Chr12.54903	<i>Sic38a6(+40988),D830013o2oNrk(+43678)</i>	N/A
Chr12	73334140	73334273	Chr12.54923	<i>D830013o2oNrk(+37238),Sic38a6(+47428)</i>	N/A
Chr12	73337168	73337620	Chr12.54925	<i>D830013o2oNrk(+34046),Sic38a6(+50620)</i>	N/A
Chr12	73338853	73339071	Chr12.54928	<i>D830013o2oNrk(+32463),Sic38a6(+52183)</i>	N/A
Chr12	73341689	73342179	Chr12.54941	<i>D830013o2oNrk(+29521),Sic38a6(+55145)</i>	N/A
Chr12	73342567	73342682	Chr12.54943	<i>D830013o2oNrk(+28820),Sic38a6(+55846)</i>	N/A
Chr12	73350677	73351051	Chr12.54955	<i>D830013o2oNrk(+20581),Sic38a6(+64085)</i>	N/A
Chr12	73354677	73354807	Chr12.54969	<i>D830013o2oNrk(+16703),Sic38a6(+67963)</i>	N/A
Chr12	73355413	73355585	Chr12.54974	<i>D830013o2oNrk(+15946),Sic38a6(+68720)</i>	N/A
Chr12	73356017	73356185	Chr12.54980	<i>D830013o2oNrk(+15344),Sic38a6(+69322)</i>	N/A
Chr12	73367746	73368171	Chr12.54994	<i>D830013o2oNrk(+3486),Sic38a6(+81180)</i>	N/A
Chr12	73381684	73381783	Chr12.55012	<i>D830013o2oNrk(-10289),Tmem30b(+164661)</i>	N/A
Chr12	73382832	73383022	Chr12.55016	<i>D830013o2oNrk(-11482),Tmem30b(+163468)</i>	N/A
Chr12	73386925	73387199	Chr12.55025	<i>D830013o2oNrk(-15617),Tmem30b(+159333)</i>	N/A
Chr12	73392644	73392752	Chr12.55030	<i>D830013o2oNrk(-21253),Tmem30b(+153697)</i>	N/A
Chr12	73393991	73394301	Chr12.55033	<i>D830013o2oNrk(-22701),Tmem30b(+152249)</i>	N/A
Chr12	73404046	73404167	Chr12.55041	<i>D830013o2oNrk(-32662),Tmem30b(+142288)</i>	N/A
Chr12	73408580	73408776	Chr12.55056	<i>D830013o2oNrk(-37233),Tmem30b(+137717)</i>	N/A
Chr12	73413408	73413610	Chr12.55062	<i>D830013o2oNrk(-42064),Tmem30b(+132886)</i>	N/A
Chr12	73413676	73414038	Chr12.55064	<i>D830013o2oNrk(-42412),Tmem30b(+132538)</i>	N/A
Chr12	73415917	73416021	Chr12.55070	<i>D830013o2oNrk(-44524),Tmem30b(+130426)</i>	N/A
Chr12	73416143	73416713	Chr12.55072	<i>D830013o2oNrk(-44983),Tmem30b(+129967)</i>	N/A
Chr12	73424706	73425107	Chr12.55084	<i>D830013o2oNrk(-53462),Tmem30b(+121488)</i>	N/A
Chr12	73428187	73428359	Chr12.55092	<i>D830013o2oNrk(-56828),Tmem30b(+118122)</i>	N/A
Chr12	73448288	73448138	Chr12.55096	<i>D830013o2oNrk(-73538),Tmem30b(+101412)</i>	N/A
Chr12	73449369	73449599	Chr12.55103	<i>D830013o2oNrk(-78039),Tmem30b(+99141)</i>	N/A
Chr12	73453219	73453576	Chr12.55114	<i>D830013o2oNrk(-81953),Tmem30b(+92997)</i>	N/A
Chr12	73459578	73459733	Chr12.55120	<i>D830013o2oNrk(-88211),Tmem30b(+86739)</i>	N/A
Chr12	73460196	73460658	Chr12.55125	<i>D830013o2oNrk(-88982),Tmem30b(+85968)</i>	N/A
Chr12	73466584	73466694	Chr12.55139	<i>D830013o2oNrk(-95194),Tmem30b(+79756)</i>	N/A
Chr12	73472137	73472267	Chr12.55142	<i>D830013o2oNrk(-100757),Tmem30b(+74193)</i>	N/A
Chr12	73473217	73472681	Chr12.55144	<i>D830013o2oNrk(-101054),Tmem30b(+73066)</i>	N/A
Chr12	73476413	73476666	Chr12.55149	<i>D830013o2oNrk(-105095),Tmem30b(+69855)</i>	N/A
Chr12	8056191	8056782	Chr12.5515	<i>Ldah(-151620),Apob(-78839)</i>	N/A
Chr12	73495076	73495195	Chr12.55169	<i>D830013o2oNrk(-123691),Tmem30b(+51259)</i>	N/A
Chr12	73495397	73495565	Chr12.55173	<i>D830013o2oNrk(-124036),Tmem30b(+50914)</i>	N/A
Chr12	73500178	73500316	Chr12.55186	<i>D830013o2oNrk(-128602),Tmem30b(+46148)</i>	N/A
Chr12	73500844	73501037	Chr12.55194	<i>D830013o2oNrk(-129496),Tmem30b(+45451)</i>	N/A
Chr12	73506013	73506160	Chr12.55209	<i>D830013o2oNrk(-134642),Tmem30b(+40308)</i>	N/A
Chr12	8063686	8063880	Chr12.5521	<i>Ldah(-144324),Apob(+86135)</i>	N/A
Chr12	73507132	73507242	Chr12.55214	<i>D830013o2oNrk(-135742),Tmem30b(+39208)</i>	N/A
Chr12	73507831	73507971	Chr12.55220	<i>D830013o2oNrk(-136456),Tmem30b(+38494)</i>	N/A
Chr12	73511542	73511645	Chr12.55228	<i>D830013o2oNrk(-140149),Tmem30b(+37442)</i>	N/A
Chr12	73511677	73511930	Chr12.55231	<i>D830013o2oNrk(-140359),Tmem30b(+34591)</i>	N/A
Chr12	73512016	73512115	Chr12.55234	<i>D830013o2oNrk(-140621),Tmem30b(+34329)</i>	N/A
Chr12	73521124	73521851	Chr12.55243	<i>D830013o2oNrk(-150043),Tmem30b(+24907)</i>	N/A
Chr12	73522105	73522243	Chr12.55253	<i>D830013o2oNrk(-150729),Tmem30b(+24221)</i>	N/A
Chr12	73522893	73523122	Chr12.55260	<i>D830013o2oNrk(-151613),Tmem30b(+23337)</i>	N/A
Chr12	73523230	73523560	Chr12.55262	<i>D830013o2oNrk(-151950),Tmem30b(+23000)</i>	N/A
Chr12	73525490	73525699	Chr12.55269	<i>D830013o2oNrk(-154150),Tmem30b(+20800)</i>	N/A
Chr12	73529212	73529341	Chr12.55274	<i>D830013o2oNrk(-157832),Tmem30b(+17118)</i>	N/A
Chr12	8069863	8070014	Chr12.5528	<i>Ldah(-138168),Apob(+92291)</i>	N/A
Chr12	73536601	73536980	Chr12.55295	<i>D830013o2oNrk(-165346),Tmem30b(+9604)</i>	N/A
Chr12	73541623	73541921	Chr12.55301	<i>D830013o2oNrk(-170327),Tmem30b(+4623)</i>	N/A
Chr12	73584719	73584875	Chr12.55348	<i>Prkch()</i>	N/A
Chr12	73585898	73586014	Chr12.55360	<i>Hif1a(-321948),Prkch(+1159)</i>	N/A
Chr12	73591762	73591874	Chr12.55367	<i>Hif1a(-316086),Prkch(+7021)</i>	N/A
Chr12	73597132	73597263	Chr12.55378	<i>Hif1a(-310706),Prkch(+12401)</i>	N/A
Chr12	73617887	73617980	Chr12.55400	<i>Hif1a(-290070),Prkch(+33037)</i>	N/A
Chr12	73684190	73684279	Chr12.55427	<i>Hif1a(-243674),Prkch(+79433)</i>	N/A
Chr12	73670847	73671002	Chr12.55429	<i>Hif1a(-246979),Prkch(+86128)</i>	N/A
Chr12	73733005	73733122	Chr12.55513	<i>Hif1a(-174840),Prkch(+148267)</i>	N/A
Chr12	73733284	73733398	Chr12.55519	<i>Hif1a(-174563),Prkch(+148544)</i>	N/A
Chr12	73741260	73741391	Chr12.55524	<i>Hif1a(-166578),Prkch(+156529)</i>	N/A
Chr12	73754431	73754747	Chr12.55533	<i>Hif1a(-153315),Prkch(+169792)</i>	N/A
Chr12	73790693	73790913	Chr12.55603	<i>Hif1a(-117101),Prkch(+206006)</i>	N/A
Chr12	73810784	73810907	Chr12.55633	<i>Hif1a(-97058),Prkch(+226049)</i>	N/A
Chr12	73831856	73831991	Chr12.55657	<i>Hif1a(-75980),Prkch(+247127)</i>	N/A
Chr12	73847344	73847444	Chr12.55672	<i>Hif1a(-60510),Prkch(+262597)</i>	N/A
Chr12	73895312	73895550	Chr12.55713	<i>Hif1a(-12473),Prkch(+310634)</i>	N/A
Chr12	73907715	73907878	Chr12.55721	<i>Hif1a(-107)</i>	N/A
Chr12	73909276	73909426	Chr12.55730	<i>Snapt(-55178),Hif1a(+1448)</i>	N/A
Chr12	73949564	73949744	Chr12.55786	<i>Snapt(-14876),Hif1a(+41750)</i>	N/A
Chr12	8107049	8107295	Chr12.5580	<i>Ldah(-100935),Apob(+129524)</i>	N/A
Chr12	74055930	74055823	Chr12.55848	<i>170008619rk(-233008),Syr16(+57966)</i>	N/A
Chr12	8108068	8109011	Chr12.5586	<i>Ldah(-99217),Apob(+131242)</i>	N/A
Chr12	74162471	74162583	Chr12.55979	<i>170008619rk(-126208),Syr16(+164766)</i>	N/A
Chr12	74284153	74284322	Chr12.56132	<i>170008619rk(-4497)</i>	N/A
Chr12	74301652	74302033	Chr12.56184	<i>DbpH2(+4369),Gm1104(+14551)</i>	N/A
Chr12	8180808	8180993	Chr12.5621	<i>Ldah(-27206),Apob(+203253)</i>	N/A
Chr12	74450712	74450855	Chr12.56250	<i>Gm1104(-134390),Kcnh5(+726548)</i>	N/A
Chr12	74452510	74452631	Chr12.56253	<i>Gm1104(-136177),Kcnh5(+724781)</i>	N/A
Chr12	74596492	74596650	Chr12.56324	<i>Gm1104(-280177),Kcnh5(+580761)</i>	N/A
Chr12	74950859	74950958	Chr12.56519	<i>Gm1104(-634515),Kcnh5(+226423)</i>	N/A
Chr12	75176624	75176919	Chr12.56706	<i>Kcnh5(+560)</i>	N/A
Chr12	75288478	75288579	Chr12.56754	<i>Kcnh5(-111197),Rhoj(-19793)</i>	N/A
Chr12	75309126	75308234	Chr12.56767	<i>Rhoj(-142)</i>	N/A
Chr12	75309871	75309678	Chr12.56781	<i>Rhoj(+1603),Gphb5(+106566)</i>	N/A
Chr12	75452701	75452969	Chr12.56974	<i>Gphb5(-36054),Ppp2r5e(+143365)</i>	N/A
Chr12	3310063	3310166	Chr12.57	<i>Rab10(-146)</i>	N/A
Chr12	8281274	8281397	Chr12.5703	<i>Gdf7(+20618),Ldah(+73229)</i>	N/A
Chr12	75516086	75516235	Chr12.57050	<i>Gphb5(-99380),Ppp2r5e(+80039)</i>	N/A
Chr12	75544780	75544960	Chr12.57065	<i>Gphb5(-12869),Ppp2r5e(+51330)</i>	N/A
Chr12	3892973	3893085	Chr12.571	<i>Pomc(-61922),Dnm3a(+85999)</i>	N/A
Chr12	75595133	75595285	Chr12.57107	<i>Ppp2r5e(+991)</i>	N/A
Chr12	75596043	75596445	Chr12.57116	<i>Ppp2r5e(-44)</i>	N/A
Chr12	75612503	75612673	Chr12.57134	<i>Ppp2r5e(-16388),Wdr89(+56949)</i>	N/A
Chr12	75715705	75715836	Chr12.57193	<i>Wdr89(-46234),Sgpl1(+19658)</i>	N/A
Chr12	75860935	75861102	Chr12.57253	<i>Syne2(-42701),Esr2(-316340)</i>	N/A
Chr12	75873642	75873771	Chr12.57260	<i>Syne2(+55389),Esr2(+303552)</i>	N/A
Chr12	75874018	75874122	Chr12.57262	<i>Syne2(+55752),Esr2(+303189)</i>	N/A
Chr12	75874185	75874301	Chr12.57265	<i>Syne2(+55925),Esr2(+303016)</i>	N/A
Chr12	8300726	8300843	Chr12.5747	<i>Gdf7(+1169),Ldah(+92678)</i>	N/A
Chr12	75983271	75983516	Chr12.57562	<i>Syne2(+165076),Esr2(+193865)</i>	N/A
Chr12	75983725	75983876	Chr12.57568	<i>Syne2(+165483),Esr2(+193458)</i>	N/A
Chr12	76081887	76081996	Chr12.57836	<i>Esr2(+95317),Syne2(+263624)</i>	N/A
Chr12	76082096	76082207	Chr12.57838	<i>Esr2(+95107),Syne2(+263834)</i>	N/A
Chr12	8357528	8357724	Chr12.5796	<i>Hst1bp3(+44193),Rhoab(+142355)</i>	N/A
Chr12	8364318	8364576	Chr12.5801	<i>Hst1bp3(+51014),Rhoab(+135538)</i>	N/A
Chr12	76308115	76303329	Chr12.58188	<i>Alkap5(-16669),Mmfr1(+52990)</i>	N/A
Chr12	76367589	76367912	Chr12.58305	<i>Zbtb1(-2615)</i>	N/A
Chr12	76370335	76370571	Chr12.58317	<i>Zbtb1(-187)</i>	N/A
Chr12	76371012	76371164	Chr12.58321	<i>Zbtb1(+822)</i>	N/A
Chr12	76394840	76395228	Chr12.58377	<i>Hspa2(-9142),Zbtb1(+24768)</i>	N/A
Chr12	76447912	76446224	Chr12.58465	<i>PlekH3(-65492),Ppp1r3b(+30489)</i>	N/A

Chr12		76506475	76506757	Chr12.58508	<i>Plekhhg3(-26944),Ppp1r36(+89017)</i>	N/A
Chr12		76546658	76546805	Chr12.58595	<i>Plekhhg3(+13172),Sptb(+163815)</i>	N/A
Chr12		76540891	76547096	Chr12.58570	<i>Plekhhg3(+13434),Sptb(+163553)</i>	N/A
Chr12		84956999	8495918	Chr12.5872	<i>Rhox(+178),Hs1ap3(+182375)</i>	N/A
Chr12		8497644	8497960	Chr12.5879	<i>Rhox(+2183),Hs1ap3(+184369)</i>	N/A
Chr12		76670298	76670396	Chr12.59041	<i>Sptb(+40199),Plekhhg3(+136788)</i>	N/A
Chr12		76670715	76670837	Chr12.59043	<i>Sptb(+39771),Plekhhg3(+137216)</i>	N/A
Chr12		76674793	76674895	Chr12.59059	<i>Sptb(+35703),Plekhhg3(+141284)</i>	N/A
Chr12		76694877	76695218	Chr12.59079	<i>Sptb(+15459),Plekhhg3(+161488)</i>	N/A
Chr12		76708213	76708354	Chr12.59115	<i>Sptb(+2263),Plekhhg3(+174724)</i>	N/A
Chr12		76765462	76765566	Chr12.59158	<i>Churc1(-24)</i>	N/A
Chr12		76837300	76837706	Chr12.59256	<i>Fntb(+89)</i>	N/A
Chr12		76897116	76897243	Chr12.59302	<i>Fntb(+59766),Max(+65068)</i>	N/A
Chr12		76954824	76955418	Chr12.59396	<i>Max(+7127),Fntb(+117707)</i>	N/A
Chr12		76956129	76956391	Chr12.59404	<i>Max(+5989),Fntb(+118841)</i>	N/A
Chr12		76961072	76961360	Chr12.59415	<i>Max(+1032),Fntb(+123802)</i>	N/A
Chr12		76962181	76962291	Chr12.59424	<i>Max(+12)</i>	N/A
Chr12		76962437	76962541	Chr12.59429	<i>Max(-241)</i>	N/A
Chr12		77004948	77005218	Chr12.59452	<i>Fut8(-233982),Max(-42835)</i>	N/A
Chr12		77021707	77021850	Chr12.59464	<i>Fut8(-217268),Max(-59531)</i>	N/A
Chr12		77022189	77023338	Chr12.59469	<i>Fut8(-219801),Max(-61016)</i>	N/A
Chr12		77060309	77060531	Chr12.59495	<i>Fut8(-178645),Max(-98172)</i>	N/A
Chr12		77237934	77238081	Chr12.59600	<i>Fut8(-1057)</i>	N/A
Chr12		77238144	77238308	Chr12.59607	<i>Fut8(-839)</i>	N/A
Chr12		77238956	77239057	Chr12.59614	<i>Fut8(-58)</i>	N/A
Chr12		77561477	77561670	Chr12.59837	<i>Gphn(-665091),Fut8(+322509)</i>	N/A
Chr12		77589480	77589667	Chr12.59893	<i>Gphn(-637081),Fut8(+350509)</i>	N/A
Chr12		77657673	77657954	Chr12.59965	<i>Gphn(-568841),Fut8(+418749)</i>	N/A
Chr12		77663209	77663313	Chr12.59973	<i>Gphn(-563394),Fut8(+424196)</i>	N/A
Chr12		77671374	77671551	Chr12.59979	<i>Gphn(-555192),Fut8(+432398)</i>	N/A
Chr12		77781133	77781270	Chr12.60116	<i>Gphn(-462449),Fut8(+542141)</i>	N/A
Chr12		77799816	77799999	Chr12.60136	<i>Gphn(-367139),Fut8(+550843)</i>	N/A
Chr12		77852091	77852200	Chr12.60173	<i>Gphn(-374509),Fut8(+613081)</i>	N/A
Chr12		77852678	77852807	Chr12.60174	<i>Gphn(-373912),Fut8(+613678)</i>	N/A
Chr12		77949835	77950087	Chr12.60264	<i>Gphn(-276694),Fut8(+710896)</i>	N/A
Chr12		78098996	78099124	Chr12.60462	<i>Gphn(-127645),Fut8(+85945)</i>	N/A
Chr12		78153775	78154103	Chr12.60534	<i>Gphn(-12716),Fut8(+914874)</i>	N/A
Chr12		78175738	78175927	Chr12.60563	<i>Gphn(-50822),Fut8(+938768)</i>	N/A
Chr12		78197003	78197181	Chr12.60585	<i>Gphn(-29563),Fut8(+958027)</i>	N/A
Chr12		78227649	78227951	Chr12.60638	<i>Fam71d(-463735),Gphn(+1145)</i>	N/A
Chr12		78750032	78750135	Chr12.60907	<i>Mpp5(+1137),Alpbv1d(+11554)</i>	N/A
Chr12		78921471	78921599	Chr12.61075	<i>Plek2(-14571),Tmem229b(+85742)</i>	N/A
Chr12		78984177	78984313	Chr12.61132	<i>Plek2(-7281),Tmem229b(+23032)</i>	N/A
Chr12		79016151	79016436	Chr12.61163	<i>Plekhh1(-12869),Tmem229b(-9017)</i>	N/A
Chr12		79018215	79018372	Chr12.61169	<i>Tmem229b(-11017),Plekhh1(-10869)</i>	N/A
Chr12		8798750	8798882	Chr12.6120	<i>Laptm4a(-122848),Sdc1(+27493)</i>	N/A
Chr12		88171734	88171880	Chr12.6126	<i>Laptm4a(-109857),Sdc1(+40484)</i>	N/A
Chr12		88470563	8847168	Chr12.6139	<i>Laptm4a(-74553),Sdc1(+75788)</i>	N/A
Chr12		8847314	8847621	Chr12.6141	<i>Laptm4a(-74196),Sdc1(+76145)</i>	N/A
Chr12		8855997	8856166	Chr12.6145	<i>Laptm4a(-65582),Sdc1(+84759)</i>	N/A
Chr12		8899762	8899885	Chr12.6164	<i>Laptm4a(-21840),Sdc1(+128501)</i>	N/A
Chr12		79346613	79346740	Chr12.61729	<i>Rad51b(+49326),Zfp361(+766336)</i>	N/A
Chr12		79354598	79355104	Chr12.61738	<i>Rad51b(+57500),Zfp361(+758162)</i>	N/A
Chr12		79355608	79355766	Chr12.61747	<i>Rad51b(+58338),Zfp361(+757326)</i>	N/A
Chr12		79372649	79372939	Chr12.61769	<i>Rad51b(+75443),Zfp361(+740219)</i>	N/A
Chr12		79373070	79373197	Chr12.61772	<i>Rad51b(+75783),Zfp361(+739879)</i>	N/A
Chr12		79377419	79377711	Chr12.61784	<i>Rad51b(+80214),Zfp361(+735448)</i>	N/A
Chr12		79380560	79380679	Chr12.61802	<i>Rad51b(+83269),Zfp361(+732393)</i>	N/A
Chr12		79382639	79382755	Chr12.61809	<i>Rad51b(+86346),Zfp361(+730316)</i>	N/A
Chr12		79387958	79388196	Chr12.61822	<i>Rad51b(+90726),Zfp361(+724936)</i>	N/A
Chr12		79388675	79388889	Chr12.61828	<i>Rad51b(+91431),Zfp361(+724231)</i>	N/A
Chr12		79389503	79389675	Chr12.61834	<i>Rad51b(+92238),Zfp361(+723424)</i>	N/A
Chr12		79408774	79408876	Chr12.61842	<i>Rad51b(+111474),Zfp361(+704188)</i>	N/A
Chr12		79413111	79413246	Chr12.61850	<i>Rad51b(+115828),Zfp361(+699634)</i>	N/A
Chr12		79413373	79413638	Chr12.61854	<i>Rad51b(+116155),Zfp361(+699634)</i>	N/A
Chr12		79420766	79420917	Chr12.61864	<i>Rad51b(+123491),Zfp361(+692171)</i>	N/A
Chr12		79423738	79423885	Chr12.61867	<i>Rad51b(+126461),Zfp361(+689201)</i>	N/A
Chr12		79426402	79426504	Chr12.61869	<i>Rad51b(+129102),Zfp361(+686560)</i>	N/A
Chr12		79429603	79429727	Chr12.61873	<i>Rad51b(+132314),Zfp361(+683348)</i>	N/A
Chr12		79430259	79430446	Chr12.61879	<i>Rad51b(+133003),Zfp361(+682659)</i>	N/A
Chr12		79431185	79431450	Chr12.61883	<i>Rad51b(+133967),Zfp361(+681694)</i>	N/A
Chr12		79433429	79433530	Chr12.61891	<i>Rad51b(+136129),Zfp361(+679533)</i>	N/A
Chr12		79433699	79434312	Chr12.61895	<i>Rad51b(+136655),Zfp361(+679007)</i>	N/A
Chr12		79455601	79456060	Chr12.61922	<i>Rad51b(+158480),Zfp361(+657182)</i>	N/A
Chr12		79463259	79463706	Chr12.61935	<i>Rad51b(+166132),Zfp361(+649530)</i>	N/A
Chr12		79465764	79465991	Chr12.61942	<i>Rad51b(+168527),Zfp361(+647135)</i>	N/A
Chr12		79466339	79466463	Chr12.61945	<i>Rad51b(+169050),Zfp361(+646612)</i>	N/A
Chr12		79466517	79466660	Chr12.61947	<i>Rad51b(+169238),Zfp361(+646424)</i>	N/A
Chr12		79472133	79472232	Chr12.61955	<i>Rad51b(+174832),Zfp361(+640830)</i>	N/A
Chr12		79472321	79472433	Chr12.61958	<i>Rad51b(+175026),Zfp361(+640636)</i>	N/A
Chr12		79476430	79477359	Chr12.61962	<i>Rad51b(+179544),Zfp361(+636118)</i>	N/A
Chr12		79479207	79479379	Chr12.61970	<i>Rad51b(+181942),Zfp361(+633729)</i>	N/A
Chr12		79481625	79481979	Chr12.61976	<i>Rad51b(+184451),Zfp361(+631211)</i>	N/A
Chr12		79488904	79489069	Chr12.61983	<i>Rad51b(+191636),Zfp361(+624026)</i>	N/A
Chr12		79490240	79490660	Chr12.61985	<i>Rad51b(+193099),Zfp361(+622563)</i>	N/A
Chr12		79498633	79498763	Chr12.61992	<i>Rad51b(+201347),Zfp361(+614315)</i>	N/A
Chr12		79504411	79504846	Chr12.61997	<i>Rad51b(+207278),Zfp361(+606394)</i>	N/A
Chr12		79509907	79507512	Chr12.62005	<i>Rad51b(+209859),Zfp361(+605803)</i>	N/A
Chr12		79511551	79511751	Chr12.62014	<i>Rad51b(+214300),Zfp361(+601362)</i>	N/A
Chr12		79512133	79512245	Chr12.62021	<i>Rad51b(+214838),Zfp361(+600824)</i>	N/A
Chr12		79513768	79513934	Chr12.62029	<i>Rad51b(+216500),Zfp361(+599162)</i>	N/A
Chr12		79514808	79514951	Chr12.62032	<i>Rad51b(+217529),Zfp361(+598133)</i>	N/A
Chr12		79522727	79522830	Chr12.62036	<i>Rad51b(+225428),Zfp361(+590232)</i>	N/A
Chr12		79524743	79524989	Chr12.62040	<i>Rad51b(+227515),Zfp361(+588147)</i>	N/A
Chr12		79526034	79526170	Chr12.62042	<i>Rad51b(+228751),Zfp361(+586911)</i>	N/A
Chr12		79532001	79532490	Chr12.62052	<i>Rad51b(+234895),Zfp361(+580767)</i>	N/A
Chr12		79532551	79532655	Chr12.62057	<i>Rad51b(+236522),Zfp361(+580410)</i>	N/A
Chr12		79535651	79535991	Chr12.62063	<i>Rad51b(+239470),Zfp361(+571716)</i>	N/A
Chr12		79536026	79536163	Chr12.62064	<i>Rad51b(+238744),Zfp361(+575918)</i>	N/A
Chr12		79541592	79541891	Chr12.62073	<i>Rad51b(+244391),Zfp361(+571721)</i>	N/A
Chr12		79542748	79542856	Chr12.62074	<i>Rad51b(+245451),Zfp361(+570211)</i>	N/A
Chr12		79549764	79550599	Chr12.62092	<i>Rad51b(+252831),Zfp361(+562831)</i>	N/A
Chr12		79550810	79550909	Chr12.62104	<i>Rad51b(+253509),Zfp361(+562153)</i>	N/A
Chr12		79558126	79558361	Chr12.62123	<i>Rad51b(+260893),Zfp361(+554769)</i>	N/A
Chr12		79559878	79560018	Chr12.62124	<i>Rad51b(+262597),Zfp361(+553065)</i>	N/A
Chr12		79574529	79574740	Chr12.62130	<i>Rad51b(+277284),Zfp361(+538378)</i>	N/A
Chr12		79575046	79575300	Chr12.62136	<i>Rad51b(+277822),Zfp361(+537840)</i>	N/A
Chr12		79578968	79579231	Chr12.62141	<i>Rad51b(+281749),Zfp361(+533913)</i>	N/A
Chr12		79579361	79579546	Chr12.62142	<i>Rad51b(+282103),Zfp361(+533559)</i>	N/A
Chr12		79582394	79582646	Chr12.62158	<i>Rad51b(+295169),Zfp361(+520493)</i>	N/A
Chr12		79598005	79598757	Chr12.62166	<i>Rad51b(+301330),Zfp361(+514332)</i>	N/A
Chr12		79600237	79600722	Chr12.62177	<i>Rad51b(+303129),Zfp361(+512533)</i>	N/A
Chr12		79602373	79602875	Chr12.62186	<i>Rad51b(+305273),Zfp361(+510389)</i>	N/A
Chr12		79609077	79609785	Chr12.62196	<i>Rad51b(+312060),Zfp361(+503582)</i>	N/A
Chr12		79611361	79611552	Chr12.62203	<i>Rad51b(+314078),Zfp361(+501586)</i>	N/A
Chr12		79612919	79613041	Chr12.62209	<i>Rad51b(+315629),Zfp361(+500033)</i>	N/A
Chr12		79614312	79614479	Chr12.62215	<i>Rad51b(+317045),Zfp361(+498617)</i>	N/A
Chr12		79615723	79616271	Chr12.62223	<i>Rad51b(+318646),Zfp361(+497016)</i>	N/A
Chr12		79616666	79616804	Chr12.62232	<i>Rad51b(+319384),Zfp361(+496278)</i>	N/A
Chr12		79620741	79620911	Chr12.62239	<i>Rad51b(+323475),Zfp361(+492187)</i>	N/A
Chr12		79625869	79626171	Chr12.62242	<i>Rad51b(+328659),Zfp361(+486693)</i>	N/A
Chr12		79628454	79628745	Chr12.62248	<i>Rad51b(+331249),Zfp361(+484413)</i>	N/A
Chr12		79641759	79642182	Chr12.62266	<i>Rad51b(+344620),Zfp361(+471042)</i>	N/A
Chr12		79646564	79646824	Chr12.62274	<i>Rad51b(+349343),Zfp361(+466319)</i>	N/A
Chr12		79648479	79648591	Chr12.62285	<i>Rad51b(+351184),Zfp361(+464478)</i>	N/A
Chr12		79649822	79649965	Chr12.62288	<i>Rad51b(+351658),Zfp361(+464049)</i>	N/A
Chr12		79657672	79657773	Chr12.62302	<i>Rad51b(+360372),Zfp361(+455290)</i>	N/A
Chr12		79657803	79657987	Chr12.62305	<i>Rad51b(+360544),Zfp361(+455118)</i>	N/A
Chr12		79661174	79661493	Chr12.62315	<i>Rad51b(+363983),Zfp361(+451679)</i>	N/A
Chr12		79663071	79663577	Chr12.62328	<i>Rad51b(+365973),Zfp361(+449689)</i>	N/A
Chr12		79663803	79664016	Chr12.62333	<i>Rad51b(+366559),Zfp361(+449103)</i>	N/A
Chr12		79674897	79675688	Chr12.62344	<i>Rad51b(+377942),Zfp361(+453779)</i>	N/A
Chr12		79676604	796767			

Chr12		79707463	79708119	Chr12.62432	Zfp361f(+405222),Rad51b(+410440)	N/A
Chr12		79708177	79708425	Chr12.62438	Zfp361f(+404712),Rad51b(+410950)	N/A
Chr12		79754347	79754618	Chr12.62444	Wdr35c(19409),Mtn3(+6554)	N/A
Chr12		79715432	79715570	Chr12.62445	Zfp361f(+397512),Rad51b(+418150)	N/A
Chr12		79715823	79716017	Chr12.62448	Zfp361f(+397093),Rad51b(+418569)	N/A
Chr12		79719210	79719315	Chr12.62454	Zfp361f(+393750),Rad51b(+421912)	N/A
Chr12		79719362	79719536	Chr12.62457	Zfp361f(+393564),Rad51b(+422098)	N/A
Chr12		79722185	79722537	Chr12.62467	Zfp361f(+390652),Rad51b(+425010)	N/A
Chr12		79729905	79730483	Chr12.62477	Zfp361f(+382819),Rad51b(+432843)	N/A
Chr12		79734664	79735694	Chr12.62491	Zfp361f(+377434),Rad51b(+438228)	N/A
Chr12		79735768	79735930	Chr12.62496	Zfp361f(+377164),Rad51b(+438498)	N/A
Chr12		79736072	79736348	Chr12.62497	Zfp361f(+376803),Rad51b(+438859)	N/A
Chr12		79742323	79742558	Chr12.62503	Zfp361f(+370572),Rad51b(+445090)	N/A
Chr12		79745018	79745292	Chr12.62508	Zfp361f(+367858),Rad51b(+447804)	N/A
Chr12		79747680	79747859	Chr12.62510	Zfp361f(+365253),Rad51b(+450409)	N/A
Chr12		79748554	79749142	Chr12.62516	Zfp361f(+364015),Rad51b(+451647)	N/A
Chr12		79749251	79749491	Chr12.62520	Zfp361f(+363642),Rad51b(+452020)	N/A
Chr12		79750649	79751133	Chr12.62530	Zfp361f(+362122),Rad51b(+453540)	N/A
Chr12		79752411	79752648	Chr12.62543	Zfp361f(+360483),Rad51b(+455179)	N/A
Chr12		79755073	79755209	Chr12.62548	Zfp361f(+357872),Rad51b(+457190)	N/A
Chr12		79755807	79755947	Chr12.62551	Zfp361f(+357136),Rad51b(+458226)	N/A
Chr12		79759532	79759911	Chr12.62565	Zfp361f(+353291),Rad51b(+462371)	N/A
Chr12		79761165	79761277	Chr12.62573	Zfp361f(+351792),Rad51b(+463870)	N/A
Chr12		79762637	79762836	Chr12.62582	Zfp361f(+350276),Rad51b(+465386)	N/A
Chr12		79767064	79767179	Chr12.62593	Zfp361f(+345891),Rad51b(+469771)	N/A
Chr12		79768175	79768422	Chr12.62596	Zfp361f(+344714),Rad51b(+470948)	N/A
Chr12		79773390	79773505	Chr12.62612	Zfp361f(+339580),Rad51b(+476082)	N/A
Chr12		79777067	79777181	Chr12.62619	Zfp361f(+335889),Rad51b(+479773)	N/A
Chr12		79777306	79777485	Chr12.62622	Zfp361f(+335617),Rad51b(+480045)	N/A
Chr12		79780920	79781133	Chr12.62629	Zfp361f(+331986),Rad51b(+483876)	N/A
Chr12		79784245	79784408	Chr12.62637	Zfp361f(+328668),Rad51b(+486976)	N/A
Chr12		79784533	79784719	Chr12.62640	Zfp361f(+328357),Rad51b(+487275)	N/A
Chr12		79785680	79786129	Chr12.62645	Zfp361f(+327108),Rad51b(+488554)	N/A
Chr12		79788494	79788636	Chr12.62655	Zfp361f(+324448),Rad51b(+491214)	N/A
Chr12		79791520	79791717	Chr12.62663	Zfp361f(+321394),Rad51b(+494268)	N/A
Chr12		79793295	79793694	Chr12.62667	Zfp361f(+319518),Rad51b(+496144)	N/A
Chr12		79793627	79793687	Chr12.62674	Zfp361f(+316411),Rad51b(+499251)	N/A
Chr12		79797257	79797385	Chr12.62680	Zfp361f(+315692),Rad51b(+499970)	N/A
Chr12		79797580	79797801	Chr12.62684	Zfp361f(+315322),Rad51b(+500340)	N/A
Chr12		79803170	79803273	Chr12.62686	Zfp361f(+309791),Rad51b(+505871)	N/A
Chr12		79805071	79805447	Chr12.62688	Zfp361f(+307754),Rad51b(+507908)	N/A
Chr12		79807861	79807938	Chr12.62691	Zfp361f(+306213),Rad51b(+510449)	N/A
Chr12		79809427	79809627	Chr12.62702	Zfp361f(+303536),Rad51b(+512126)	N/A
Chr12		79812535	79812736	Chr12.62708	Zfp361f(+300377),Rad51b(+515285)	N/A
Chr12		79813117	79813623	Chr12.62714	Zfp361f(+299643),Rad51b(+516019)	N/A
Chr12		79813936	79814184	Chr12.62722	Zfp361f(+298953),Rad51b(+516709)	N/A
Chr12		79814266	79814416	Chr12.62727	Zfp361f(+298672),Rad51b(+516990)	N/A
Chr12		79814470	79814750	Chr12.62728	Zfp361f(+298403),Rad51b(+517259)	N/A
Chr12		79819931	79820108	Chr12.62734	Zfp361f(+295293),Rad51b(+522669)	N/A
Chr12		79830823	79831073	Chr12.62751	Zfp361f(+282065),Rad51b(+533597)	N/A
Chr12		79838306	79838554	Chr12.62756	Zfp361f(+274583),Rad51b(+541079)	N/A
Chr12		79839081	79839496	Chr12.62765	Zfp361f(+273724),Rad51b(+541938)	N/A
Chr12		79839629	79839759	Chr12.62773	Zfp361f(+273319),Rad51b(+542343)	N/A
Chr12		79851455	79851723	Chr12.62798	Zfp361f(+261424),Rad51b(+554205)	N/A
Chr12		79855703	79855991	Chr12.62805	Zfp361f(+257166),Rad51b(+558496)	N/A
Chr12		79856624	79856804	Chr12.62809	Zfp361f(+256299),Rad51b(+559363)	N/A
Chr12		79859489	79860009	Chr12.62816	Zfp361f(+253264),Rad51b(+562398)	N/A
Chr12		79864466	79864575	Chr12.62822	Zfp361f(+248492),Rad51b(+567170)	N/A
Chr12		79874379	79874490	Chr12.62825	Zfp361f(+238562),Rad51b(+577080)	N/A
Chr12		79875943	79875989	Chr12.62834	Zfp361f(+232447),Rad51b(+584151)	N/A
Chr12		79887296	79887631	Chr12.62847	Zfp361f(+225549),Rad51b(+590113)	N/A
Chr12		79891023	79891148	Chr12.62856	Zfp361f(+221927),Rad51b(+593735)	N/A
Chr12		79898409	79898632	Chr12.62863	Zfp361f(+214492),Rad51b(+601170)	N/A
Chr12		79901893	79901794	Chr12.62868	Zfp361f(+211269),Rad51b(+604393)	N/A
Chr12		79903527	79903586	Chr12.62876	Zfp361f(+207558),Rad51b(+608106)	N/A
Chr12		79906893	79907172	Chr12.62888	Zfp361f(+205980),Rad51b(+609682)	N/A
Chr12		79911157	79911591	Chr12.62900	Zfp361f(+201639),Rad51b(+614023)	N/A
Chr12		79911835	79911976	Chr12.62907	Zfp361f(+201107),Rad51b(+614555)	N/A
Chr12		79929151	79929388	Chr12.62923	Zfp361f(+183743),Rad51b(+631919)	N/A
Chr12		79931629	79931792	Chr12.62927	Zfp361f(+181302),Rad51b(+634360)	N/A
Chr12		79936709	79936884	Chr12.62939	Zfp361f(+176231),Rad51b(+639411)	N/A
Chr12		79936884	79936988	Chr12.62940	Zfp361f(+176077),Rad51b(+639585)	N/A
Chr12		79942694	79942793	Chr12.62949	Zfp361f(+170269),Rad51b(+645393)	N/A
Chr12		79943062	79943175	Chr12.62951	Zfp361f(+169894),Rad51b(+645768)	N/A
Chr12		79944837	79944991	Chr12.62954	Zfp361f(+168099),Rad51b(+647563)	N/A
Chr12		79949283	79949418	Chr12.62958	Zfp361f(+163662),Rad51b(+652009)	N/A
Chr12		79960111	79960212	Chr12.62969	Zfp361f(+152851),Rad51b(+662811)	N/A
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Chr12		79965119	79965221	Chr12.62989	Zfp361f(+147843),Rad51b(+667819)	N/A
Chr12		79965643	79965772	Chr12.62995	Zfp361f(+147305),Rad51b(+668357)	N/A
Chr12		79974671	79974678	Chr12.63019	Zfp361f(+138238),Rad51b(+677424)	N/A
Chr12		79975396	79975500	Chr12.63022	Zfp361f(+137555),Rad51b(+678097)	N/A
Chr12		79986270	79986463	Chr12.63024	Zfp361f(+126646),Rad51b(+689016)	N/A
Chr12		79986747	79986962	Chr12.63029	Zfp361f(+126158),Rad51b(+689504)	N/A
Chr12		79988861	79989061	Chr12.63037	Zfp361f(+124052),Rad51b(+691610)	N/A
Chr12		79989891	79989909	Chr12.63042	Zfp361f(+123138),Rad51b(+692524)	N/A
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Chr12		79993802	79994149	Chr12.63052	Zfp361f(+119037),Rad51b(+696625)	N/A
Chr12		79998626	79999629	Chr12.63061	Zfp361f(+113135),Rad51b(+702527)	N/A
Chr12		80001760	80001984	Chr12.63065	Zfp361f(+111141),Rad51b(+704521)	N/A
Chr12		80002138	80002276	Chr12.63067	Zfp361f(+110806),Rad51b(+704856)	N/A
Chr12		80002758	80002917	Chr12.63072	Zfp361f(+110173),Rad51b(+705487)	N/A
Chr12		80002949	80003114	Chr12.63076	Zfp361f(+109981),Rad51b(+705611)	N/A
Chr12		80003601	80003759	Chr12.63080	Zfp361f(+109333),Rad51b(+706329)	N/A
Chr12		80004826	80005125	Chr12.63084	Zfp361f(+108037),Rad51b(+707625)	N/A
Chr12		80005627	80005756	Chr12.63089	Zfp361f(+107321),Rad51b(+708341)	N/A
Chr12		80011810	80011951	Chr12.63093	Zfp361f(+101132),Rad51b(+714530)	N/A
Chr12		80012073	80012249	Chr12.63098	Zfp361f(+100877),Rad51b(+714768)	N/A
Chr12		80013424	80013654	Chr12.63100	Zfp361f(+99519),Rad51b(+716143)	N/A
Chr12		80013647	80013802	Chr12.63102	Zfp361f(+99288),Rad51b(+716374)	N/A
Chr12		80013905	80014005	Chr12.63107	Zfp361f(+99058),Rad51b(+716604)	N/A
Chr12		80021296	80021404	Chr12.63120	Zfp361f(+91663),Rad51b(+723999)	N/A
Chr12		80023303	80023571	Chr12.63128	Zfp361f(+89576),Rad51b(+726080)	N/A
Chr12		80032651	80032771	Chr12.63136	Zfp361f(+80302),Rad51b(+735360)	N/A
Chr12		80035162	80035280	Chr12.63140	Zfp361f(+77792),Rad51b(+737870)	N/A
Chr12		80040400	80040532	Chr12.63145	Zfp361f(+72547),Rad51b(+743115)	N/A
Chr12		80084006	80084130	Chr12.63206	Zfp361f(+28945),Rad51b(+786717)	N/A
Chr12		80090654	80090757	Chr12.63209	Zfp361f(+22307),Rad51b(+793355)	N/A
Chr12		80103710	80103943	Chr12.63223	Zfp361f(+9166),Rad51b(+806476)	N/A
Chr12		80109161	80109293	Chr12.63242	Zfp361f(+3786),Rad51b(+811376)	N/A
Chr12		80111808	80111980	Chr12.63262	Zfp361f(+1129),Rad51b(+814533)	N/A
Chr12		80114434	80114578	Chr12.63273	Zfp361f(-1493)	N/A
Chr12		80115066	80115170	Chr12.63274	Zfp361f(-2105)	N/A
Chr12		80121910	80122090	Chr12.63277	Zfp361f(-8987),Actn1f(+138371)	N/A
Chr12		80123535	80123708	Chr12.63282	Zfp361f(-10609),Actn1f(+136749)	N/A
Chr12		80124981	80125090	Chr12.63290	Zfp361f(-12023),Actn1f(+135335)	N/A
Chr12		80127615	80127817	Chr12.63297	Zfp361f(-14703),Actn1f(+132655)	N/A
Chr12		80130820	80131082	Chr12.63302	Zfp361f(-17938),Actn1f(+129420)	N/A
Chr12		80135668	80135902	Chr12.63307	Zfp361f(-22772),Actn1f(+124586)	N/A
Chr12		80146331	80146504	Chr12.63312	Zfp361f(-33405),Actn1f(+113953)	N/A
Chr12		80191272	80191394	Chr12.63378	Zfp361f(-78320),Actn1f(+89039)	N/A
Chr12		80218357	80218533	Chr12.63409	Zfp361f(-105432),Actn1f(+41926)	N/A
Chr12		80230583	80230712	Chr12.63425	Zfp361f(-117635),Actn1f(+29723)	N/A
Chr12		80239494	80239606	Chr12.63433	Zfp361f(-126537),Actn1f(+20821)	N/A
Chr12		80249708	80249809	Chr12.63436	Zfp361f(-136746),Actn1f(+10612)	N/A
Chr12		80252115	80252255	Chr12.63442	Zfp361f(-139172),Actn1f(+8186)	N/A
Chr12		80258650	80258751	Chr12.63448	Zfp361f(-145688),Actn1f(+1670)	N/A
Chr12		80260421	80260540	Chr12.63461	Actn1f(-110)	N/A
Chr12		80280624	80280726	Chr12.63471	Actn1f(-20304),Dcaf5(+155926)	N/A
Chr12		80300956	80301058	Chr12.63479	Actn1f(-40636),Dcaf5(+135594)	N/A
Chr12		80358963	80359166	Chr12.63558	Actn1f(-86648),Dcaf5(+80585)	N/A
Chr12		80366331	80366494	Chr12.63573	Actn1f(-106432),Dcaf5(+70188)	N/A
Chr12		80369931	80370074	Chr12.63577	Actn1f(-109632),Dcaf5(+66598)	N/A
Chr12		80379893	80380011	Chr12.63601	Actn1f(-119581),Dcaf5(+56649)	N/A
Chr12		80463163	80463285	Chr12.63634	Exd2(+129)	N/A
Chr12		80504740	80505094	Chr12.63694		

Chr12		80545448	80545547	Chr12.63737	Slc39a9(-98717),Gahnf16(+26508)	N/A
Chr12		80567011	80567345	Chr12.63748	Slc39a9(-77037),Gahnf16(+48188)	N/A
Chr12		80618702	80618626	Chr12.63831	Slc39a9(-25401),Gahnf16(-99824)	N/A
Chr12		80644208	80644359	Chr12.63850	Erh(-57),Slc39a9(-69)	N/A
Chr12		80681024	80681151	Chr12.63896	Erh(-36747),Plekhd1(-11503)	N/A
Chr12		80746148	80746286	Chr12.63969	Ccdc177(+14323),Plekhd1(+53627)	N/A
Chr12		80746337	80746459	Chr12.63972	Ccdc177(+14143),Plekhd1(+53807)	N/A
Chr12		80760481	80760774	Chr12.64028	Ccdc177(-87)	N/A
Chr12		80795624	80795731	Chr12.64043	Srafs(-49607),Sud6(+5148)	N/A
Chr12		80807561	80807670	Chr12.64063	Srafs(-137974),Sud6(+17079)	N/A
Chr12		80830602	80830739	Chr12.64101	Srafs(-114914),Sud6(+40139)	N/A
Chr12		80833652	80833801	Chr12.64111	Srafs(-111858),Sud6(+43195)	N/A
Chr12		80844195	80844370	Chr12.64120	Srafs(-101302),Sud6(+53751)	N/A
Chr12		80844490	80844606	Chr12.64124	Srafs(-101037),Sud6(+54016)	N/A
Chr12		80853871	80854080	Chr12.64131	Srafs(-61609),Sud6(+63444)	N/A
Chr12		80857746	80858016	Chr12.64137	Srafs(-87704),Sud6(+67349)	N/A
Chr12		80863583	80863688	Chr12.64146	Srafs(-81949),Sud6(+73104)	N/A
Chr12		80877207	80877321	Chr12.64177	Srafs(-68321),Sud6(+86732)	N/A
Chr12		80945475	80945861	Chr12.64203	Srafs(+83)	N/A
Chr12		80946271	80946722	Chr12.64229	Srafs(+3902),Slc10a1(+19592)	N/A
Chr12		80959574	80959722	Chr12.64290	Smoc1(-35685),Slc10a1(-23044)	N/A
Chr12		80989747	80989829	Chr12.64300	Slc10a1(-30759),Smoc1(-27970)	N/A
Chr12		81002906	81003047	Chr12.64305	Slc10a1(-34898),Smoc1(-23831)	N/A
Chr12		81003453	81003555	Chr12.64311	Slc10a1(-35425),Smoc1(-23304)	N/A
Chr12		81010032	81010210	Chr12.64314	Slc10a1(-42042),Smoc1(-16687)	N/A
Chr12		81028293	81028676	Chr12.64340	Smoc1(+1677),Slc8a3(+30465)	N/A
Chr12		81028708	81028825	Chr12.64345	Smoc1(+1959),Slc8a3(+304413)	N/A
Chr12		81029806	81030109	Chr12.64349	Smoc1(+3150),Slc8a3(+30322)	N/A
Chr12		81033818	81033945	Chr12.64357	Smoc1(+7074),Slc8a3(+299298)	N/A
Chr12		81055030	81055169	Chr12.64380	Smoc1(+28292),Slc8a3(+278080)	N/A
Chr12		81055307	81055580	Chr12.64384	Smoc1(+28638),Slc8a3(+277736)	N/A
Chr12		81090408	81090550	Chr12.64399	Smoc1(+63671),Slc8a3(+242701)	N/A
Chr12		81095013	81095128	Chr12.64410	Smoc1(+68263),Slc8a3(+238109)	N/A
Chr12		81095199	81095439	Chr12.64412	Smoc1(+68511),Slc8a3(+237861)	N/A
Chr12		81108700	81108803	Chr12.64442	Smoc1(+81944),Slc8a3(+224428)	N/A
Chr12		81108836	81109026	Chr12.64445	Smoc1(+82123),Slc8a3(+224249)	N/A
Chr12		81137405	81137575	Chr12.64468	Smoc1(+110683),Slc8a3(+195689)	N/A
Chr12		81137887	81138093	Chr12.64473	Smoc1(+11182),Slc8a3(+195190)	N/A
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Chr12		81141026	81141136	Chr12.64483	Smoc1(+114273),Slc8a3(+192099)	N/A
Chr12		81141236	81141496	Chr12.64485	Smoc1(+114558),Slc8a3(+191814)	N/A
Chr12		81146489	81146763	Chr12.64493	Smoc1(+119818),Slc8a3(+186554)	N/A
Chr12		81152231	81152357	Chr12.64516	Smoc1(+125468),Slc8a3(+180865)	N/A
Chr12		81166260	81166401	Chr12.64545	Smoc1(+139523),Slc8a3(+166849)	N/A
Chr12		81173820	81174131	Chr12.64564	Smoc1(+147218),Slc8a3(+159154)	N/A
Chr12		81175494	81175651	Chr12.64570	Smoc1(+148765),Slc8a3(+157607)	N/A
Chr12		9055468	9055612	Chr12.64665	Osr1(-518902),Tlc32(+25543)	N/A
Chr12		81320973	81321286	Chr12.64779	Slc8a3(+12061),Smoc1(+294311)	N/A
Chr12		81331225	81331395	Chr12.64783	Slc8a3(+1870),Smoc1(+304502)	N/A
Chr12		81332633	81332766	Chr12.64786	Slc8a3(+480)	N/A
Chr12		81332991	81333343	Chr12.64788	Slc8a3(+13)	N/A
Chr12		81333535	81333702	Chr12.64793	Slc8a3(-439)	N/A
Chr12		81564073	81564225	Chr12.65015	Tcs9(+22780),Map3k9(+17021)	N/A
Chr12		81702746	81702861	Chr12.65047	Tcs9(+71435),Map3k9(+73366)	N/A
Chr12		9071723	9071856	Chr12.6505	Osr1(-502652),Tlc32(+41793)	N/A
Chr12		81807053	81807155	Chr12.65177	Pcnx(-52926),Map3k9(-26934)	N/A
Chr12		81816850	81817098	Chr12.65180	Pcnx(-43056),Map3k9(-35804)	N/A
Chr12		81842909	81843089	Chr12.65191	Map3k9(-61829),Pcnx(-17031)	N/A
Chr12		81853114	81853261	Chr12.65207	Map3k9(-72019),Pcnx(-6842)	N/A
Chr12		81857265	81857379	Chr12.65213	Pcnx(-2708)	N/A
Chr12		81858290	81858453	Chr12.65218	Pcnx(-1658)	N/A
Chr12		81861745	81861882	Chr12.65224	Sipa11f(-449535),Pcnx(+1784)	N/A
Chr12		81869703	81869833	Chr12.65228	Sipa11f(-441581),Pcnx(+9738)	N/A
Chr12		81902556	81902730	Chr12.65239	Sipa11f(-408706),Pcnx(+42613)	N/A
Chr12		82072902	82073051	Chr12.65408	Sipa11f(-238372),Pcnx(+212947)	N/A
Chr12		9113562	9113847	Chr12.6541	Osr1(-460737),Tlc32(+83708)	N/A
Chr12		82076154	82076297	Chr12.65412	Sipa11f(-235123),Pcnx(+216196)	N/A
Chr12		82104342	82104555	Chr12.65432	Sipa11f(-206900),Pcnx(+244419)	N/A
Chr12		82105361	82105691	Chr12.65435	Sipa11f(-205823),Pcnx(+245496)	N/A
Chr12		82122887	82123055	Chr12.65453	Sipa11f(-186378),Pcnx(+262941)	N/A
Chr12		82170968	82171171	Chr12.65490	Sipa11f(-140279),Pcnx(+311040)	N/A
Chr12		82190168	82190335	Chr12.65505	Sipa11f(-121097),Pcnx(+330222)	N/A
Chr12		82194992	82195127	Chr12.65509	Sipa11f(-116289),Pcnx(+335030)	N/A
Chr12		82199987	82200134	Chr12.65516	Sipa11f(-111288),Pcnx(+340031)	N/A
Chr12		82231294	82231435	Chr12.65528	Sipa11f(-79984),Pcnx(+371335)	N/A
Chr12		82312268	82312402	Chr12.65575	Sipa11f(-948)	N/A
Chr12		82339392	82339870	Chr12.65592	Sipa11f(+28282),Gm5435(+156906)	N/A
Chr12		9134764	9134938	Chr12.6562	Osr1(-439591),Tlc32(+104854)	N/A
Chr12		82374068	82374324	Chr12.65687	Sipa11f(+62847),Gm5435(+122341)	N/A
Chr12		82394113	82394279	Chr12.65715	Sipa11f(+62847),Gm5435(+102341)	N/A
Chr12		82400312	82400458	Chr12.65745	Sipa11f(+89306),Gm5435(+96152)	N/A
Chr12		82412554	82412714	Chr12.65762	Gm5435(+5903),Sipa11f(+11285)	N/A
Chr12		3909294	3909738	Chr12.658	Pmc(-45435),Dnmt3a(+102486)	N/A
Chr12		82485366	82485550	Chr12.65870	Gm5435(+11079),Sipa11f(+174109)	N/A
Chr12		82617306	82617428	Chr12.65912	Gm10006(-658)	N/A
Chr12		82617480	82617617	Chr12.65914	Gm10006(-478)	N/A
Chr12		9166796	9166987	Chr12.6593	Osr1(-40755),Tlc32(+136890)	N/A
Chr12		9170970	9171172	Chr12.6595	Osr1(-403371),Tlc32(+141074)	N/A
Chr12		82658397	82658516	Chr12.65956	Rgs6(+6628),Dpf3(+829251)	N/A
Chr12		82664723	82664925	Chr12.65964	Rgs6(+12995),Dpf3(+822884)	N/A
Chr12		82776426	82776531	Chr12.66009	Rgs6(+124650),Dpf3(+711229)	N/A
Chr12		9178622	9178741	Chr12.66002	Osr1(-395760),Tlc32(+148685)	N/A
Chr12		9178913	9179197	Chr12.66007	Osr1(-396357),Tlc32(+146058)	N/A
Chr12		82905832	82906001	Chr12.66096	Rgs6(+25408),Dpf3(+581791)	N/A
Chr12		82920145	82920351	Chr12.66100	Rgs6(+268419),Dpf3(+567460)	N/A
Chr12		9180783	9180942	Chr12.6613	Osr1(-393579),Tlc32(+150866)	N/A
Chr12		82959592	82959789	Chr12.66134	Rgs6(+307837),Dpf3(+528042)	N/A
Chr12		82970851	82970987	Chr12.66154	Rgs6(+319900),Dpf3(+516789)	N/A
Chr12		9191631	9191865	Chr12.6619	Osr1(-382694),Tlc32(+167151)	N/A
Chr12		83044692	83044924	Chr12.66195	Rgs6(+392979),Dpf3(+442900)	N/A
Chr12		9191914	9192242	Chr12.6622	Osr1(-382364),Tlc32(+162081)	N/A
Chr12		83112009	83112173	Chr12.66268	Dpf3(+375617),Rgs6(+460262)	N/A
Chr12		83128268	83128368	Chr12.66294	Dpf3(+359390),Rgs6(+76489)	N/A
Chr12		83154538	83154694	Chr12.66338	Dpf3(+333107),Rgs6(+502772)	N/A
Chr12		83169908	83170038	Chr12.66379	Dpf3(+317735),Rgs6(+518144)	N/A
Chr12		83197100	83197209	Chr12.66411	Dpf3(+290553),Rgs6(+545326)	N/A
Chr12		83201256	83201442	Chr12.66418	Dpf3(+286359),Rgs6(+549520)	N/A
Chr12		83201917	83202089	Chr12.66423	Dpf3(+285715),Rgs6(+550164)	N/A
Chr12		83214212	83214485	Chr12.66434	Dpf3(+273359),Rgs6(+502529)	N/A
Chr12		83268325	83268472	Chr12.66493	Dpf3(+218309),Rgs6(+616570)	N/A
Chr12		83269420	83269725	Chr12.66505	Dpf3(+218135),Rgs6(+617744)	N/A
Chr12		9225182	9225296	Chr12.6651	Osr1(-349203),Tlc32(+195242)	N/A
Chr12		83277906	83278086	Chr12.66531	Dpf3(+209712),Rgs6(+626167)	N/A
Chr12		83302268	83302386	Chr12.66558	Dpf3(+185381),Rgs6(+650498)	N/A
Chr12		83302833	83303058	Chr12.66564	Dpf3(+184762),Rgs6(+651117)	N/A
Chr12		83317648	83317800	Chr12.66596	Dpf3(+170004),Rgs6(+665875)	N/A
Chr12		83337140	83337406	Chr12.66610	Dpf3(+150435),Rgs6(+685444)	N/A
Chr12		83337774	83338038	Chr12.66615	Dpf3(+149802),Rgs6(+686077)	N/A
Chr12		83342120	83342403	Chr12.66620	Dpf3(+145446),Rgs6(+690433)	N/A
Chr12		83342484	83342772	Chr12.66625	Dpf3(+145080),Rgs6(+690799)	N/A
Chr12		83412013	83412253	Chr12.66667	Dpf3(+15572),Rgs6(+760307)	N/A
Chr12		3909914	3910226	Chr12.667	Pmc(-44881),Dnmt3a(+103040)	N/A
Chr12		83424809	83425119	Chr12.66709	Dpf3(+62744),Rgs6(+773135)	N/A
Chr12		83427776	83427969	Chr12.66720	Dpf3(+69835),Rgs6(+776044)	N/A
Chr12		83466584	83466696	Chr12.66763	Dpf3(+21068),Rgs6(+814811)	N/A
Chr12		83466977	83466987	Chr12.66768	Dpf3(+20841),Rgs6(+815038)	N/A
Chr12		83481601	83481779	Chr12.66780	Dpf3(+6018),Rgs6(+829861)	N/A
Chr12		83484499	83484796	Chr12.66795	Dpf3(+3060),Rgs6(+832819)	N/A
Chr12		83485107	83485215	Chr12.66803	Dpf3(+2547),Rgs6(+833332)	N/A
Chr12		9253507	9253632	Chr12.6681	Osr1(-320872),Tlc32(+223573)	N/A
Chr12		83487570	83487772	Chr12.66819	Dpf3(+37)	N/A
Chr12		83488162	83488400	Chr12.66827	Dpf3(+573)	N/A
Chr12		83488579	83488697	Chr12.66832	Dpf3(+930)	N/A
Chr12		9253705	9253896	Chr12.6684	Osr1(-320641),Tlc32(+223804)	N/A
Chr12		83596729	83596876	Chr12.67006	Zfyve1(+344)	N/A
Chr12		83597064	83597207	Chr12.67010	Zfyve1(+17)	N/A
Chr12		83632002	83632130	Chr12.67013	Rbm25(-186)	N/A
Chr12		83632185	83632300	Chr12.67016	Rbm25(-9)	N/A

Chr12	83633211	83633325	Chr12.67020	<i>Psen1(-55295),Rbm25(+1016)</i>	N/A
Chr12	83688131	83688243	Chr12.67097	<i>Psen1(-376)</i>	N/A
Chr12	83721353	83721520	Chr12.67127	<i>Papln(+42197),Psen1(+32874)</i>	N/A
Chr12	83811637	83811738	Chr12.67357	<i>Numb(-30655),Papln(+48054)</i>	N/A
Chr12	83830860	83831030	Chr12.67379	<i>Numb(+11398),Papln(+67311)</i>	N/A
Chr12	8390404	8390620	Chr12.6739	<i>Osr1(-293930),Ttc32(+250515)</i>	N/A
Chr12	83917068	83917194	Chr12.67399	<i>Numb(-74788),Rox1(-33477)</i>	N/A
Chr12	83921811	83921975	Chr12.67413	<i>Numb(-79550),Rox1(-28715)</i>	N/A
Chr12	83922006	83922146	Chr12.67417	<i>Numb(-79733),Rox1(-28532)</i>	N/A
Chr12	83922979	83923199	Chr12.67424	<i>Numb(-80746),Rox1(-27519)</i>	N/A
Chr12	83923472	83923763	Chr12.67426	<i>Numb(-81275),Rox1(-26990)</i>	N/A
Chr12	83923925	83924046	Chr12.67429	<i>Numb(-81643),Rox1(-26622)</i>	N/A
Chr12	83924477	83924669	Chr12.67431	<i>Numb(-82230),Rox1(-26035)</i>	N/A
Chr12	9285981	9285824	Chr12.6744	<i>Osr1(-288689),Ttc32(+255758)</i>	N/A
Chr12	9293930	9293956	Chr12.6764	<i>Osr1(-274994),Ttc32(+269451)</i>	N/A
Chr12	84149664	84149919	Chr12.67949	<i>Prrna1(-1303)</i>	N/A
Chr12	84149948	84150059	Chr12.67953	<i>Prrna1(-1515)</i>	N/A
Chr12	84151301	84151423	Chr12.67965	<i>Prrna1(-2873)</i>	N/A
Chr12	9334493	9334609	Chr12.6801	<i>Osr1(-239891),Ttc32(+304554)</i>	N/A
Chr12	84175010	84175113	Chr12.68051	<i>Prrna1(-26573),Elmsan1(+18953)</i>	N/A
Chr12	9337373	9337504	Chr12.6806	<i>Osr1(-237033),Ttc32(+307442)</i>	N/A
Chr12	84187061	84187294	Chr12.68065	<i>Prrna1(-38689),Elmsan1(+6837)</i>	N/A
Chr12	84190450	84190578	Chr12.68083	<i>Prrna1(-42025),Elmsan1(+3501)</i>	N/A
Chr12	84193681	84193852	Chr12.68095	<i>Elmsan1(+248)</i>	N/A
Chr12	84194027	84194363	Chr12.68098	<i>Elmsan1(-180)</i>	N/A
Chr12	84198236	84198371	Chr12.68107	<i>Elmsan1(-4289)</i>	N/A
Chr12	84202576	84202694	Chr12.68108	<i>Ptgr2(-82597),Elmsan1(-8620)</i>	N/A
Chr12	84204141	84204240	Chr12.68114	<i>Ptgr2(-81041),Elmsan1(-10176)</i>	N/A
Chr12	84214781	84214950	Chr12.68120	<i>Ptgr2(-70366),Elmsan1(-20851)</i>	N/A
Chr12	84216037	84216154	Chr12.68126	<i>Ptgr2(-69136),Elmsan1(-22081)</i>	N/A
Chr12	84217277	84217386	Chr12.68130	<i>Ptgr2(-67899),Elmsan1(-23319)</i>	N/A
Chr12	84217594	84217760	Chr12.68131	<i>Ptgr2(-67555),Elmsan1(-23662)</i>	N/A
Chr12	84217887	84218162	Chr12.68133	<i>Ptgr2(-67207),Elmsan1(-24010)</i>	N/A
Chr12	84221649	84221749	Chr12.68152	<i>Ptgr2(-63533),Elmsan1(-27684)</i>	N/A
Chr12	84222728	84223026	Chr12.68156	<i>Ptgr2(-62355),Elmsan1(-28862)</i>	N/A
Chr12	84239683	84239938	Chr12.68165	<i>Elmsan1(-45796),Ptgr2(-45421)</i>	N/A
Chr12	93417041	93417180	Chr12.68222	<i>2pfa10(-252)</i>	N/A
Chr12	9340116	9340387	Chr12.6824	<i>Osr1(-234190),Ttc32(+310255)</i>	N/A
Chr12	9340478	9341021	Chr12.6827	<i>Osr1(-233692),Ttc32(+310753)</i>	N/A
Chr12	9341140	9341310	Chr12.6833	<i>Osr1(-233217),Ttc32(+311228)</i>	N/A
Chr12	9345507	9345664	Chr12.6836	<i>Osr1(-228856),Ttc32(+315589)</i>	N/A
Chr12	84487430	84487700	Chr12.68544	<i>Vsx2(-82197),Lin52(+36057)</i>	N/A
Chr12	9357506	9357676	Chr12.6857	<i>Osr1(-216851),Ttc32(+327594)</i>	N/A
Chr12	84500151	84500291	Chr12.68571	<i>Vsx2(-69541),Lin52(+48713)</i>	N/A
Chr12	84524092	84524553	Chr12.68601	<i>Vsx2(-45439),Lin52(+72815)</i>	N/A
Chr12	9358885	9359069	Chr12.6862	<i>Osr1(-215465),Ttc32(+328980)</i>	N/A
Chr12	84532177	84532691	Chr12.68644	<i>Vsx2(-37328),Lin52(+80926)</i>	N/A
Chr12	84548950	84547097	Chr12.68663	<i>Vsx2(-27278),Lin52(+95516)</i>	N/A
Chr12	84569684	84569970	Chr12.68683	<i>Vsx2(+65)</i>	N/A
Chr12	84590019	84590275	Chr12.68700	<i>Vsx2(+20385),Abcd4(+27319)</i>	N/A
Chr12	84590360	84590658	Chr12.68701	<i>Vsx2(+20747),Abcd4(+26957)</i>	N/A
Chr12	84625127	84625413	Chr12.68783	<i>Vtnr(-17289),Abcd4(-7804)</i>	N/A
Chr12	9368653	9369116	Chr12.6879	<i>Osr1(-205557),Ttc32(+338888)</i>	N/A
Chr12	84675187	84675342	Chr12.68859	<i>Syndig1(-23542),Vtnr(+32710)</i>	N/A
Chr12	84752418	84752551	Chr12.68932	<i>Syndig1(-53678),Npc2(+20627)</i>	N/A
Chr12	84752811	84752951	Chr12.68935	<i>Syndig1(-54074),Npc2(+20231)</i>	N/A
Chr12	84797939	84798163	Chr12.69105	<i>D030025p21nk(-77718),Jsa2(+24781)</i>	N/A
Chr12	84823621	84823812	Chr12.69158	<i>D030025p21nk(-52052),Jsa2(+50447)</i>	N/A
Chr12	9438871	9438989	Chr12.6916	<i>Osr1(-135512),Ttc32(+40863)</i>	N/A
Chr12	84824536	84824649	Chr12.69166	<i>D030025p21nk(-51176),Jsa2(+51323)</i>	N/A
Chr12	84846746	84846994	Chr12.69196	<i>D030025p21nk(-28899),Jsa2(+73600)</i>	N/A
Chr12	9439020	9439135	Chr12.6920	<i>Osr1(-135364),Ttc32(+409081)</i>	N/A
Chr12	84847514	84847642	Chr12.69201	<i>D030025p21nk(-28191),Jsa2(+74308)</i>	N/A
Chr12	84851762	84852041	Chr12.69204	<i>D030025p21nk(-23867),Jsa2(+78632)</i>	N/A
Chr12	84852722	84852936	Chr12.69211	<i>D030025p21nk(-22915),Jsa2(+79584)</i>	N/A
Chr12	9439169	9439330	Chr12.6922	<i>Osr1(-135192),Ttc32(+409253)</i>	N/A
Chr12	84862228	84862451	Chr12.69222	<i>D030025p21nk(-13429),Jsa2(+89070)</i>	N/A
Chr12	84876450	84876654	Chr12.69251	<i>Ltbp2(-57),D030025p21nk(+783)</i>	N/A
Chr12	84881627	84881782	Chr12.69258	<i>Fcfl(-89192),Ltbp2(-5210)</i>	N/A
Chr12	84885215	84885409	Chr12.69260	<i>Fcfl(-85589),Ltbp2(-8817)</i>	N/A
Chr12	84894269	84894532	Chr12.69273	<i>Fcfl(-76498),Ltbp2(-17905)</i>	N/A
Chr12	84907076	84907214	Chr12.69290	<i>Fcfl(-63752),Ltbp2(-30650)</i>	N/A
Chr12	84907525	84907760	Chr12.69292	<i>Fcfl(-63254),Ltbp2(-31148)</i>	N/A
Chr12	84914028	84914280	Chr12.69299	<i>Fcfl(-56743),Ltbp2(-37659)</i>	N/A
Chr12	84915725	84915892	Chr12.69308	<i>Fcfl(-55089),Ltbp2(-39314)</i>	N/A
Chr12	84919158	84919283	Chr12.69327	<i>Fcfl(-51676),Ltbp2(-42728)</i>	N/A
Chr12	9450706	9450867	Chr12.6936	<i>Osr1(-123655),Ttc32(+420790)</i>	N/A
Chr12	84970831	84970970	Chr12.69430	<i>Arel1(-1),Fcfl(+4)</i>	N/A
Chr12	84996209	84996518	Chr12.69450	<i>Ylpm1(+12)</i>	N/A
Chr12	9469725	9469939	Chr12.6958	<i>Osr1(-104810),Ttc32(+439635)</i>	N/A
Chr12	9469975	9470379	Chr12.6959	<i>Osr1(-104260),Ttc32(+440179)</i>	N/A
Chr12	85085244	85085362	Chr12.69602	<i>Prox2(+11771),Ylpm1(+8951)</i>	N/A
Chr12	85126234	85126741	Chr12.69609	<i>Dlat1(+15653),Rps6kl1(+24776)</i>	N/A
Chr12	85126778	85126951	Chr12.69696	<i>Dlat1(+16032),Rps6kl1(+24399)</i>	N/A
Chr12	85143052	85143166	Chr12.69757	<i>Rps6kl1(+8155),Dlat1(+32276)</i>	N/A
Chr12	85173110	85173243	Chr12.69816	<i>Rps6kl1(-21913),Pgfl(+4119)</i>	N/A
Chr12	85175098	85175332	Chr12.69826	<i>Rps6kl1(-23951),Pgfl(+2081)</i>	N/A
Chr12	85175976	85176145	Chr12.69833	<i>Rps6kl1(-24797),Pgfl(+1235)</i>	N/A
Chr12	85176286	85176449	Chr12.69836	<i>Pgfl(+928)</i>	N/A
Chr12	85176541	85176718	Chr12.69841	<i>Pgfl(+666)</i>	N/A
Chr12	85178373	85178530	Chr12.69849	<i>Pgfl(-1156)</i>	N/A
Chr12	85181260	85181367	Chr12.69854	<i>Pgfl(-4018)</i>	N/A
Chr12	85181518	85181667	Chr12.69859	<i>Pgfl(-4297)</i>	N/A
Chr12	85186029	85186297	Chr12.69865	<i>Elf2b2(-33318),Pgfl(-8867)</i>	N/A
Chr12	85192728	85193061	Chr12.69869	<i>Elf2b2(-26586),Pgfl(-15599)</i>	N/A
Chr12	85197662	85197787	Chr12.69884	<i>Elf2b2(-21756),Pgfl(-20429)</i>	N/A
Chr12	85197984	85198214	Chr12.69898	<i>Elf2b2(-21377),Pgfl(-20808)</i>	N/A
Chr12	85201427	85201570	Chr12.69901	<i>Pgfl(-24203),Elf2b2(-17962)</i>	N/A
Chr12	85201710	85201899	Chr12.69906	<i>Pgfl(-24509),Elf2b2(-17676)</i>	N/A
Chr12	85204887	85205044	Chr12.69914	<i>Pgfl(-27670),Elf2b2(-14515)</i>	N/A
Chr12	85205202	85205372	Chr12.69917	<i>Pgfl(-27991),Elf2b2(-14194)</i>	N/A
Chr12	85208938	85209186	Chr12.69921	<i>Pgfl(-31766),Elf2b2(-10419)</i>	N/A
Chr12	85226319	85226485	Chr12.69951	<i>Elf2b2(+6921),Mln3(+44189)</i>	N/A
Chr12	85227977	85228231	Chr12.69955	<i>Elf2b2(-8623),Mln3(+42487)</i>	N/A
Chr12	85228558	85228805	Chr12.69958	<i>Elf2b2(+9201),Mln3(+41909)</i>	N/A
Chr12	85247226	85247382	Chr12.69985	<i>Mln3(+23287),Elf2b2(+27823)</i>	N/A
Chr12	85262565	85262705	Chr12.70003	<i>Mln3(+7956),Elf2b2(+43154)</i>	N/A
Chr12	85262764	85262864	Chr12.70005	<i>Mln3(+7777),Elf2b2(+43333)</i>	N/A
Chr12	85265047	85265191	Chr12.70007	<i>Mln3(+4723),Elf2b2(+56538)</i>	N/A
Chr12	85267765	85268056	Chr12.70085	<i>Zc2hct1(-690)</i>	N/A
Chr12	9519255	9519375	Chr12.7010	<i>Osr1(-55127),Ttc32(+489318)</i>	N/A
Chr12	9519438	9519546	Chr12.7014	<i>Osr1(-54950),Ttc32(+489495)</i>	N/A
Chr12	85300221	85300369	Chr12.70140	<i>Zc2hct1(-11704),Nek9(+39067)</i>	N/A
Chr12	85340591	85340751	Chr12.70218	<i>Nek9(-1309)</i>	N/A
Chr12	85348471	85348628	Chr12.70238	<i>Nek9(-9168),Tmed10(-26167)</i>	N/A
Chr12	85350617	85350752	Chr12.70242	<i>Nek9(-11323),Tmed10(+24032)</i>	N/A
Chr12	85350794	85351133	Chr12.70246	<i>Nek9(-11602),Tmed10(+23753)</i>	N/A
Chr12	85366197	85366389	Chr12.70261	<i>Nek9(-26931),Tmed10(+8424)</i>	N/A
Chr12	85374931	85375048	Chr12.70274	<i>Tmed10(-273)</i>	N/A
Chr12	85385717	85385992	Chr12.70280	<i>Fos(-89085),Tmed10(-11088)</i>	N/A
Chr12	85424008	85424146	Chr12.70305	<i>Fos(-49813),Tmed10(-49360)</i>	N/A
Chr12	85436160	85436520	Chr12.70311	<i>Tmed10(-61623),Fos(-37550)</i>	N/A
Chr12	85440203	85440350	Chr12.70321	<i>Tmed10(-65560),Fos(-33613)</i>	N/A
Chr12	85444728	85444889	Chr12.70325	<i>Tmed10(-70142),Fos(-29031)</i>	N/A
Chr12	85447792	85447896	Chr12.70339	<i>Tmed10(-73127),Fos(-26046)</i>	N/A
Chr12	85451652	85452111	Chr12.70345	<i>Tmed10(-77165),Fos(-22008)</i>	N/A
Chr12	85453852	85453960	Chr12.70364	<i>Tmed10(-78189),Fos(-19984)</i>	N/A
Chr12	85454936	85455661	Chr12.70367	<i>Tmed10(-80582),Fos(-18591)</i>	N/A
Chr12	85456424	85456647	Chr12.70382	<i>Tmed10(-81819),Fos(-17354)</i>	N/A
Chr12	85456840	85457162	Chr12.70384	<i>Tmed10(-82284),Fos(-16889)</i>	N/A
Chr12	85462465	85462577	Chr12.70394	<i>Tmed10(-87804),Fos(-11369)</i>	N/A
Chr12	9561103	9561302	Chr12.7041	<i>Osr1(-13239),Ttc32(+53126)</i>	N/A
Chr12	85468356	85468593	Chr12.70414	<i>Tmed10(-93758),Fos(-5415)</i>	N/A
Chr12	85468741	85468939	Chr12.70418	<i>Tmed10(-94123),Fos(-5050)</i>	N/A
Chr12	85471963	85472123	Chr12.70428	<i>Fos(-1847)</i>	N/A
Chr12	85472261	85472390	Chr12.70431	<i>Fos(-1564)</i>	N/A
Chr12	85474548	85474695	Chr12.70446	<i>Fos(-732)</i>	N/A
Chr12	9564645	9564674	Chr12.7047	<i>Osr1(-9682),Ttc32(+534763)</i>	N/A

Chr12	85486007	85486123	Chr12.70492	Jdp2(-113351),Fos(+12175)	N/A
Chr12	85497937	85498107	Chr12.70507	Jdp2(-101394),Fos(+24132)	N/A
Chr12	85515225	85515329	Chr12.70516	Jdp2(-84139),Fos(+41387)	N/A
Chr12	85524689	85524811	Chr12.70522	Jdp2(-74666),Fos(+50860)	N/A
Chr12	85532611	85532829	Chr12.70526	Jdp2(-66696),Fos(+58830)	N/A
Chr12	85533282	85533422	Chr12.70532	Jdp2(-66064),Fos(+59462)	N/A
Chr12	85544906	85545022	Chr12.70542	Jdp2(-54452),Fos(+71074)	N/A
Chr12	85545061	85545207	Chr12.70544	Jdp2(-54282),Fos(+71244)	N/A
Chr12	85548301	85548497	Chr12.70549	Jdp2(-51017),Fos(+74509)	N/A
Chr12	85572226	85572351	Chr12.70568	Jdp2(-21727),Fos(+98399)	N/A
Chr12	9565133	9565275	Chr12.7058	Osrl(-9238),Tlc32(+535207)	N/A
Chr12	85590323	85590467	Chr12.70580	Jdp2(-9021),Fos(+116505)	N/A
Chr12	85598210	85598310	Chr12.70593	Jdp2(-1156)	N/A
Chr12	85600619	85600911	Chr12.70597	Batf(-85904),Jdp2(+1349)	N/A
Chr12	85601390	85601715	Chr12.70603	Batf(-85116),Jdp2(+2137)	N/A
Chr12	85621210	85621314	Chr12.70634	Batf(-65407),Jdp2(+21846)	N/A
Chr12	85623863	85623974	Chr12.70638	Batf(-62750),Jdp2(+24503)	N/A
Chr12	85629924	85630075	Chr12.70641	Batf(-56669),Jdp2(+30584)	N/A
Chr12	85630194	85630393	Chr12.70645	Batf(-56379),Jdp2(+30878)	N/A
Chr12	9570884	9570998	Chr12.7068	Osrl(-3501)	N/A
Chr12	85686008	85686764	Chr12.70696	Batf(+17)	N/A
Chr12	85705657	85705834	Chr12.70714	Fivc2(-40793),Batf(+19077)	N/A
Chr12	85730046	85730194	Chr12.70730	Fivc2(-16419),Batf(+43451)	N/A
Chr12	9576183	9576340	Chr12.7082	Nfsc1b(-793782),Osrl(+1820)	N/A
Chr12	85824918	85825090	Chr12.70833	Erg38(-482),Tll5(+294)	N/A
Chr12	858598610	85859810	Chr12.70863	Tll5(+36303),Tgfb3(+19301)	N/A
Chr12	85860410	85860521	Chr12.70867	Tll5(+35756),Tgfb3(-218575)	N/A
Chr12	85869002	85869142	Chr12.70879	Tll5(+44362),Tgfb3(+209969)	N/A
Chr12	85869386	85869549	Chr12.70882	Tll5(+44758),Tgfb3(+209573)	N/A
Chr12	85869595	85869863	Chr12.70883	Tll5(+45019),Tgfb3(+209312)	N/A
Chr12	85877433	85877606	Chr12.70901	Tll5(+52810),Tgfb3(+201521)	N/A
Chr12	85879732	85879887	Chr12.70910	Tll5(+55100),Tgfb3(+199231)	N/A
Chr12	85891157	85891346	Chr12.70936	Tll5(+66542),Tgfb3(+187789)	N/A
Chr12	85943591	85943824	Chr12.71011	Tll5(+118998),Tgfb3(+135333)	N/A
Chr12	85950494	85950712	Chr12.71020	Tll5(+125893),Tgfb3(+128438)	N/A
Chr12	85958832	85958952	Chr12.71033	Tgfb3(+120149),Tll5(+134182)	N/A
Chr12	85959670	85959828	Chr12.71037	Tgfb3(+119292),Tll5(+135039)	N/A
Chr12	85959923	85960465	Chr12.71041	Tgfb3(+118847),Tll5(+135484)	N/A
Chr12	85960763	85961015	Chr12.71048	Tgfb3(+118152),Tll5(+136179)	N/A
Chr12	85963317	85963520	Chr12.71050	Tgfb3(+115622),Tll5(+138709)	N/A
Chr12	85969716	85969994	Chr12.71058	Tgfb3(+109186),Tll5(+145145)	N/A
Chr12	85978313	85978663	Chr12.71065	Tgfb3(+100603),Tll5(+153728)	N/A
Chr12	85985948	85986153	Chr12.71073	Tgfb3(+92990),Tll5(+161341)	N/A
Chr12	85987442	85987553	Chr12.71082	Tgfb3(+91543),Tll5(+162788)	N/A
Chr12	85994016	85994157	Chr12.71084	Tgfb3(+84954),Tll5(+169377)	N/A
Chr12	85998436	85998754	Chr12.71089	Tgfb3(+80446),Tll5(+173885)	N/A
Chr12	86000698	86000976	Chr12.71091	Tgfb3(+78204),Tll5(+176127)	N/A
Chr12	86007038	86007065	Chr12.71098	Tgfb3(+71439),Tll5(+182892)	N/A
Chr12	86008269	86008373	Chr12.71101	Tgfb3(+70720),Tll5(+183611)	N/A
Chr12	86014282	86014586	Chr12.71111	Tgfb3(+64607),Tll5(+189724)	N/A
Chr12	86025569	86025728	Chr12.71137	Tgfb3(+53392),Tll5(+200939)	N/A
Chr12	86027873	86027991	Chr12.71147	Tgfb3(+51109),Tll5(+203222)	N/A
Chr12	86036421	86036604	Chr12.71153	Tgfb3(+42528),Tll5(+211803)	N/A
Chr12	86037417	86037642	Chr12.71160	Tgfb3(+41511),Tll5(+125200)	N/A
Chr12	86053463	86053589	Chr12.71174	Tgfb3(+25515),Tll5(+228816)	N/A
Chr12	86057572	86057674	Chr12.71185	Tgfb3(+21418),Tll5(+232913)	N/A
Chr12	86067040	86067175	Chr12.71197	Tgfb3(+11933),Tll5(+242398)	N/A
Chr12	86076512	86076708	Chr12.71212	Tgfb3(+2431),Tll5(+251900)	N/A
Chr12	86078495	86078776	Chr12.71223	lR43(-3923),Tgfb3(+405)	N/A
Chr12	86091549	86092065	Chr12.71248	Gpatch2l(-150083),lR43(+9246)	N/A
Chr12	86100992	86101095	Chr12.71266	Gpatch2l(-140846),lR43(+18483)	N/A
Chr12	86104226	86104681	Chr12.71271	Gpatch2l(-137436),lR43(+21893)	N/A
Chr12	86124163	86124276	Chr12.71291	Gpatch2l(-117670),lR43(+41659)	N/A
Chr12	86152185	86152298	Chr12.71319	Gpatch2l(-89648),lR43(+69681)	N/A
Chr12	86158986	86159302	Chr12.71328	Gpatch2l(-82896),lR43(+76433)	N/A
Chr12	86163294	86163403	Chr12.71361	Gpatch2l(-78541),lR43(+80788)	N/A
Chr12	86163439	86163592	Chr12.71363	Gpatch2l(-78374),lR43(+80955)	N/A
Chr12	86167131	86167255	Chr12.71369	Gpatch2l(-74697),lR43(+84632)	N/A
Chr12	86173997	86173980	Chr12.71377	Gpatch2l(-68151),lR43(+91178)	N/A
Chr12	86174427	86174607	Chr12.71380	Gpatch2l(-67343),lR43(+91989)	N/A
Chr12	86175610	86175745	Chr12.71386	Gpatch2l(-64521),lR43(+92117)	N/A
Chr12	86181481	86181689	Chr12.71389	Gpatch2l(-60305),lR43(+99024)	N/A
Chr12	86189255	86189385	Chr12.71393	Gpatch2l(-52570),lR43(+106759)	N/A
Chr12	86203611	86203823	Chr12.71404	Gpatch2l(-38173),lR43(+121156)	N/A
Chr12	86216631	86217134	Chr12.71414	Gpatch2l(-25007),lR43(+134322)	N/A
Chr12	86220475	86220594	Chr12.71420	Gpatch2l(-21355),lR43(+137974)	N/A
Chr12	86220811	86221195	Chr12.71424	Gpatch2l(-20987),lR43(+138442)	N/A
Chr12	9612979	9613349	Chr12.7146	Nfsc1b(-756880),Osrl(+38722)	N/A
Chr12	86320562	86320780	Chr12.71547	Esrrb(-100973),Gpatch2l(+78781)	N/A
Chr12	9622299	9622424	Chr12.71555	Nfsc1b(-747882),Osrl(+47920)	N/A
Chr12	86336575	86336711	Chr12.71563	Esrrb(-84998),Gpatch2l(+94756)	N/A
Chr12	86336926	86337180	Chr12.71567	Esrrb(-84601),Gpatch2l(+95153)	N/A
Chr12	86361338	86361494	Chr12.71580	Esrrb(-80228),Gpatch2l(+119526)	N/A
Chr12	86361832	86361970	Chr12.71587	Esrrb(-59743),Gpatch2l(+120011)	N/A
Chr12	86371153	86371275	Chr12.71620	Esrrb(-50430),Gpatch2l(+129324)	N/A
Chr12	86379844	86380058	Chr12.71641	Esrrb(-41693),Gpatch2l(+138061)	N/A
Chr12	86388869	86389209	Chr12.71652	Esrrb(-32605),Gpatch2l(+147149)	N/A
Chr12	86421462	86421701	Chr12.71690	Esrrb(-62)	N/A
Chr12	86492967	86493263	Chr12.71766	Vash1(-185585),Esrrb(+71471)	N/A
Chr12	86507810	86507940	Chr12.71779	Vash1(-170825),Esrrb(+86231)	N/A
Chr12	86538220	86538487	Chr12.71810	Vash1(-140346),Esrrb(+116710)	N/A
Chr12	86647392	86647581	Chr12.71881	Vash1(-31213),Esrrb(+225843)	N/A
Chr12	86659580	86659752	Chr12.71887	Vash1(-19034),Esrrb(+238022)	N/A
Chr12	86694399	86694624	Chr12.71923	Vash1(-15812),Angel1(+31948)	N/A
Chr12	86695574	86695673	Chr12.71927	Vash1(+16924),Angel1(+30836)	N/A
Chr12	86800339	86800467	Chr12.72082	Lnc74a(+66020),lR2bp1(+84411)	N/A
Chr12	86807472	86807584	Chr12.72105	Lnc74a(+73145),lR2bp1(+7286)	N/A
Chr12	86816293	86816458	Chr12.72112	lR2bp1(+68438),Lnc74a(+19980)	N/A
Chr12	86832272	86832374	Chr12.72129	lR2bp1(+52491),Lnc74a(+97940)	N/A
Chr12	86833805	86833959	Chr12.72132	lR2bp1(+50932),Lnc74a(+99499)	N/A
Chr12	86836604	86836751	Chr12.72135	lR2bp1(+48136),Lnc74a(+102295)	N/A
Chr12	86850381	86850525	Chr12.72140	lR2bp1(+34361),Lnc74a(+116070)	N/A
Chr12	86868059	86868213	Chr12.72153	lR2bp1(+16678),Lnc74a(+133753)	N/A
Chr12	86872477	86872581	Chr12.72157	lR2bp1(+12235),Lnc74a(+138146)	N/A
Chr12	86878969	86879213	Chr12.72167	lR2bp1(+5723),Lnc74a(+144708)	N/A
Chr12	86879620	86879736	Chr12.72170	lR2bp1(+5136),Lnc74a(+145295)	N/A
Chr12	86884240	86884436	Chr12.72213	lR2bp1(+476)	N/A
Chr12	86884674	86884864	Chr12.72216	lR2bp1(+45)	N/A
Chr12	86885489	86885596	Chr12.72224	lR2bp1(-729)	N/A
Chr12	86888988	86887006	Chr12.72228	lR2bp1(-1133)	N/A
Chr12	86888504	86888718	Chr12.72239	lR2bp1(-3797)	N/A
Chr12	86890800	86890929	Chr12.72252	Cipc(-56478),lR2bp1(-6051)	N/A
Chr12	86891537	86891666	Chr12.72254	Cipc(-55741),lR2bp1(-6788)	N/A
Chr12	86891748	86891854	Chr12.72256	Cipc(-55942),lR2bp1(-6987)	N/A
Chr12	86892478	86892600	Chr12.72259	Cipc(-54804),lR2bp1(-7725)	N/A
Chr12	86893080	86893189	Chr12.72263	Cipc(-54208),lR2bp1(-8321)	N/A
Chr12	86893494	86893880	Chr12.72267	Cipc(-53656),lR2bp1(-8873)	N/A
Chr12	86895038	86895217	Chr12.72274	Cipc(-52215),lR2bp1(-10314)	N/A
Chr12	86895655	86895689	Chr12.72276	Cipc(-51716),lR2bp1(-10813)	N/A
Chr12	86896523	86896870	Chr12.72278	Cipc(-51549),lR2bp1(-10953)	N/A
Chr12	86896245	86896347	Chr12.72281	Cipc(-51047),lR2bp1(-11485)	N/A
Chr12	86897371	86897501	Chr12.72283	Cipc(-49907),lR2bp1(-12622)	N/A
Chr12	86899589	86899734	Chr12.72289	Cipc(-47681),lR2bp1(-14848)	N/A
Chr12	86911426	86911762	Chr12.72298	Cipc(-35749),lR2bp1(-26780)	N/A
Chr12	86912659	86912979	Chr12.72301	Cipc(-34624),lR2bp1(-28005)	N/A
Chr12	86918770	86918898	Chr12.72304	lR2bp1(-34019),Cipc(-28510)	N/A
Chr12	86942321	86942547	Chr12.72320	Cipc(-4909)	N/A
Chr12	86947274	86947380	Chr12.72327	Cipc(-16)	N/A
Chr12	86948181	86948385	Chr12.72335	Cipc(+940)	N/A
Chr12	86948757	86948898	Chr12.72337	Cipc(+1485),Zdhc22(+39848)	N/A
Chr12	86990035	86990141	Chr12.72443	Zdhc22(-1412)	N/A
Chr12	86990528	86990693	Chr12.72448	Zdhc22(-1935)	N/A
Chr12	87026341	87026509	Chr12.72464	Tmem63c(+133)	N/A
Chr12	9747532	9747748	Chr12.7259	Nfsc1b(-622404),Osrl(+173198)	N/A
Chr12	87171094	87171195	Chr12.72712	Pomt2(-23243),Tmed8(+29084)	N/A
Chr12	9752054	9752438	Chr12.7274	Nfsc1b(-617798),Osrl(+177804)	N/A
Chr12	87383715	87383848	Chr12.72897	lsm2(-84077),Splic2(+4573)	N/A
Chr12	87466203	87466418	Chr12.73105	Z700073g13nk(-22294),Smw1(+5988)	N/A

Chr12	88428332	88428459	Chr12.73178	<i>Nrxn3(-366108),Adck1(+67595)</i>	N/A
Chr12	88435957	88436184	Chr12.73198	<i>Nrxn3(-358433),Adck1(+75270)</i>	N/A
Chr12	88442375	88442693	Chr12.73217	<i>Nrxn3(-351970),Adck1(+81733)</i>	N/A
Chr12	88530822	88531083	Chr12.73286	<i>Nrxn3(-263501),Adck1(+170202)</i>	N/A
Chr12	88535646	88535918	Chr12.73289	<i>Nrxn3(-258722),Adck1(+174981)</i>	N/A
Chr12	88722732	88723038	Chr12.73424	<i>Nrxn3(-71619),Adck1(+362084)</i>	N/A
Chr12	88723109	88723219	Chr12.73425	<i>Nrxn3(-71340),Adck1(+362383)</i>	N/A
Chr12	88725242	88725359	Chr12.73447	<i>Nrxn3(-69203),Adck1(+364500)</i>	N/A
Chr12	88725967	88726188	Chr12.73458	<i>Nrxn3(-69426),Adck1(+365277)</i>	N/A
Chr12	88750305	88750498	Chr12.73493	<i>Nrxn3(-44102),Adck1(+389601)</i>	N/A
Chr12	88784370	88784675	Chr12.73541	<i>Nrxn3(-9981),Adck1(+423722)</i>	N/A
Chr12	88801165	88801389	Chr12.73586	<i>Nrxn3(+6773)</i>	N/A
Chr12	88801530	88801688	Chr12.73589	<i>Nrxn3(+7105)</i>	N/A
Chr12	88847848	88848175	Chr12.7366	<i>N5c1b(-522032),Osr1(+273570)</i>	N/A
Chr12	88953344	88953154	Chr12.73881	<i>Nrxn3(+158595)</i>	N/A
Chr12	89075019	89075191	Chr12.74083	<i>Nrxn3(+280601)</i>	N/A
Chr12	89149187	89149373	Chr12.74185	<i>Nrxn3(+354778)</i>	N/A
Chr12	89174463	89174662	Chr12.74213	<i>Nrxn3(+380059)</i>	N/A
Chr12	89193796	89194089	Chr12.74287	<i>Nrxn3(+399429)</i>	N/A
Chr12	89262716	89262949	Chr12.74365	<i>Nrxn3(+468329)</i>	N/A
Chr12	99157777	99161113	Chr12.74450	<i>N5c1b(-454099),Osr1(+341503)</i>	N/A
Chr12	89530890	89531183	Chr12.74704	<i>Nrxn3(+736533)</i>	N/A
Chr12	89531239	89531354	Chr12.74708	<i>Nrxn3(+736793)</i>	N/A
Chr12	9941205	9941484	Chr12.7491	<i>N5c1b(-428699),Osr1(+366903)</i>	N/A
Chr12	9941524	9941638	Chr12.7493	<i>N5c1b(-428464),Osr1(+367138)</i>	N/A
Chr12	9942273	9942337	Chr12.7497	<i>N5c1b(-427189),Osr1(+368413)</i>	N/A
Chr12	89784651	89784873	Chr12.75052	<i>Nrxn3(+970259),Dio2(+973678)</i>	N/A
Chr12	89765035	89765155	Chr12.75056	<i>Nrxn3(+970591),Dio2(+973343)</i>	N/A
Chr12	9948333	9948438	Chr12.7508	<i>N5c1b(-421658),Osr1(+373944)</i>	N/A
Chr12	89812324	89812446	Chr12.75131	<i>Dio2(+926053)</i>	N/A
Chr12	89812792	89812997	Chr12.75133	<i>Dio2(+925543)</i>	N/A
Chr12	89813293	89813678	Chr12.75141	<i>Dio2(+924953)</i>	N/A
Chr12	89854168	89854321	Chr12.75218	<i>Dio2(+884193)</i>	N/A
Chr12	89918375	89918675	Chr12.75360	<i>Dio2(+819913)</i>	N/A
Chr12	9979127	9979325	Chr12.7540	<i>N5c1b(-390818),Osr1(+404784)</i>	N/A
Chr12	89977786	89977987	Chr12.75477	<i>Dio2(+760561)</i>	N/A
Chr12	89993542	89993542	Chr12.75508	<i>Dio2(+744967)</i>	N/A
Chr12	90024957	90025277	Chr12.75545	<i>Dio2(+713321)</i>	N/A
Chr12	90061599	90061779	Chr12.75596	<i>Dio2(+676749)</i>	N/A
Chr12	9996357	9996599	Chr12.7575	<i>N5c1b(-373566),Osr1(+422036)</i>	N/A
Chr12	9996630	9997213	Chr12.7580	<i>N5c1b(-373122),Osr1(+422480)</i>	N/A
Chr12	10035415	10035883	Chr12.7604	<i>N5c1b(-334435),Osr1(+461167)</i>	N/A
Chr12	9033217	90333339	Chr12.76174	<i>Dio2(+405160)</i>	N/A
Chr12	10079572	10079759	Chr12.7635	<i>N5c1b(-290378),Osr1(+505224)</i>	N/A
Chr12	90643997	90644185	Chr12.76370	<i>Dio2(+94347)</i>	N/A
Chr12	10080346	10080677	Chr12.7640	<i>N5c1b(-289532),Osr1(+506070)</i>	N/A
Chr12	90738056	90738306	Chr12.76463	<i>Dio2(+257)</i>	N/A
Chr12	90738413	90738540	Chr12.76464	<i>Dio2(-39)</i>	N/A
Chr12	90738630	90738740	Chr12.76465	<i>Dio2(-247)</i>	N/A
Chr12	10095541	10095959	Chr12.7647	<i>N5c1b(-274294),Osr1(+521308)</i>	N/A
Chr12	10095990	10096464	Chr12.7649	<i>N5c1b(-273817),Osr1(+521785)</i>	N/A
Chr12	90857697	90857918	Chr12.76561	<i>Dio2(-119370),Cap128(+526601)</i>	N/A
Chr12	10122306	10122416	Chr12.7663	<i>N5c1b(-247683),Osr1(+547919)</i>	N/A
Chr12	10122671	10122983	Chr12.7667	<i>N5c1b(-247217),Osr1(+548385)</i>	N/A
Chr12	90984093	90984228	Chr12.76766	<i>Dio2(-255723),Cap128(+390248)</i>	N/A
Chr12	90995065	90995400	Chr12.76767	<i>Dio2(-256795),Cap128(+389176)</i>	N/A
Chr12	10128145	10128470	Chr12.7678	<i>N5c1b(-241736),Osr1(+553866)</i>	N/A
Chr12	91001499	91001673	Chr12.76794	<i>Dio2(-263148),Cap128(+382823)</i>	N/A
Chr12	91015134	91015425	Chr12.76812	<i>Dio2(-276842),Cap128(+369129)</i>	N/A
Chr12	10129385	10129613	Chr12.7684	<i>N5c1b(-240595),Osr1(+555007)</i>	N/A
Chr12	91027666	91027998	Chr12.76841	<i>Dio2(-289394),Cap128(+356577)</i>	N/A
Chr12	10134169	10134338	Chr12.7688	<i>N5c1b(-235790),Osr1(+559812)</i>	N/A
Chr12	10135949	10136319	Chr12.7691	<i>N5c1b(-233910),Osr1(+561692)</i>	N/A
Chr12	91114936	91115092	Chr12.76952	<i>Dio2(-376578),Cap128(+269395)</i>	N/A
Chr12	10140214	10140327	Chr12.7698	<i>N5c1b(-239773),Osr1(+565829)</i>	N/A
Chr12	91308179	91308446	Chr12.77141	<i>Dio2(-569875),Cap128(+76096)</i>	N/A
Chr12	91384230	91384402	Chr12.77203	<i>Cap128(+93)</i>	N/A
Chr12	91412894	91413115	Chr12.77218	<i>Tshr(+12012),Gf2a1(+177004)</i>	N/A
Chr12	91179376	91179493	Chr12.7730	<i>N5c1b(-190609),Osr1(+604993)</i>	N/A
Chr12	10177923	10178629	Chr12.7732	<i>N5c1b(-192468),Osr1(+605134)</i>	N/A
Chr12	91589322	91589561	Chr12.77375	<i>Gf2a1(+1567),Tshr(+187449)</i>	N/A
Chr12	91588698	91588805	Chr12.77378	<i>Gf2a1(+1257),Tshr(+187759)</i>	N/A
Chr12	91827874	9182936	Chr12.77446	<i>N5c1b(-187184),Osr1(+608418)</i>	N/A
Chr12	91685101	91685247	Chr12.77468	<i>Gf2a1(-95165),Ston2(+101262)</i>	N/A
Chr12	91686049	91686299	Chr12.77473	<i>Gf2a1(-96165),Ston2(+100262)</i>	N/A
Chr12	91744199	91744308	Chr12.77525	<i>Gf2a1(-154244),Ston2(+101262)</i>	N/A
Chr12	91079556	91098148	Chr12.7759	<i>N5c1b(-171992),Osr1(+623610)</i>	N/A
Chr12	91847921	91848024	Chr12.77667	<i>Ston2(-61537),Sel1(+1184)</i>	N/A
Chr12	91849105	91849218	Chr12.77674	<i>Sel1(-5)</i>	N/A
Chr12	91875843	91875952	Chr12.77683	<i>Sel1(-26741)</i>	N/A
Chr12	91923080	91923320	Chr12.77780	<i>N5c1b(-146844),Osr1(+648758)</i>	N/A
Chr12	91992700	91993067	Chr12.77863	<i>Sel1(-143727)</i>	N/A
Chr12	92004979	92005132	Chr12.77881	<i>Sel1(-155899)</i>	N/A
Chr12	10231860	10232096	Chr12.7798	<i>N5c1b(-138066),Osr1(+657536)</i>	N/A
Chr12	10241237	10241555	Chr12.7810	<i>N5c1b(-128648),Osr1(+666954)</i>	N/A
Chr12	92246849	92247198	Chr12.78207	<i>Sel1(-397867)</i>	N/A
Chr12	92292654	92293284	Chr12.78264	<i>Sel1(-443962)</i>	N/A
Chr12	92384400	92384654	Chr12.78330	<i>Sel1(-535370)</i>	N/A
Chr12	93677602	93677817	Chr12.79230	<i>Gm9726(+251392)</i>	N/A
Chr12	93719204	93719550	Chr12.79266	<i>Gm9726(+209725)</i>	N/A
Chr12	94190836	94191123	Chr12.79562	<i>Gm9726(-261878)</i>	N/A
Chr12	94249736	94249977	Chr12.79615	<i>Gm9726(-320753)</i>	N/A
Chr12	94253258	94253408	Chr12.79624	<i>Gm9726(-324231)</i>	N/A
Chr12	94509976	94510127	Chr12.79773	<i>Gm9726(-580950)</i>	N/A
Chr12	94675135	94675251	Chr12.79889	<i>Gm9726(-746091)</i>	N/A
Chr12	10377384	10377551	Chr12.7989	<i>Rdh14(-13312),N5c1b(+7424)</i>	N/A
Chr12	94733111	94733276	Chr12.79927	<i>Flrt2(-969032),Gm9726(-804092)</i>	N/A
Chr12	94750589	94750712	Chr12.79953	<i>Flrt2(-941575),Gm9726(-821549)</i>	N/A
Chr12	95071381	95071694	Chr12.80159	<i>Flrt2(-620688)</i>	N/A
Chr12	95256159	95256273	Chr12.80324	<i>Flrt2(-436010)</i>	N/A
Chr12	95355130	95355452	Chr12.80403	<i>Flrt2(-336935)</i>	N/A
Chr12	95466649	95466796	Chr12.80534	<i>Flrt2(-225503)</i>	N/A
Chr12	95466875	95467405	Chr12.80538	<i>Flrt2(-225086)</i>	N/A
Chr12	95481875	95482047	Chr12.80567	<i>Flrt2(-210265)</i>	N/A
Chr12	95482078	95482449	Chr12.80571	<i>Flrt2(-209962)</i>	N/A
Chr12	10400859	10401190	Chr12.8062	<i>Rdh14(+10245),Pgk1-rs7(+499271)</i>	N/A
Chr12	95547351	95547710	Chr12.80659	<i>Flrt2(-144695)</i>	N/A
Chr12	95641735	95641937	Chr12.80746	<i>Flrt2(-50390)</i>	N/A
Chr12	95692131	95692274	Chr12.80840	<i>Flrt2(-2)</i>	N/A
Chr12	95692459	95692645	Chr12.80844	<i>Flrt2(+328)</i>	N/A
Chr12	95694024	95694141	Chr12.80849	<i>Flrt2(+1857),1700019m22nk(+353139)</i>	N/A
Chr12	10437616	10437724	Chr12.8085	<i>Rdh14(+46890),Pgk1-rs7(+462626)</i>	N/A
Chr12	95695621	95695765	Chr12.80858	<i>Flrt2(+3467),1700019m22nk(+351529)</i>	N/A
Chr12	95697055	95697282	Chr12.80863	<i>Flrt2(+4943),1700019m22nk(+350053)</i>	N/A
Chr12	95698209	95698341	Chr12.80874	<i>Flrt2(+6649),1700019m22nk(+348974)</i>	N/A
Chr12	95698554	95698758	Chr12.80880	<i>Flrt2(+6480),1700019m22nk(+348516)</i>	N/A
Chr12	10438240	10438856	Chr12.8092	<i>Rdh14(+47768),Pgk1-rs7(+461748)</i>	N/A
Chr12	95744490	95744614	Chr12.80991	<i>Flrt2(+52326),1700019m22nk(+302670)</i>	N/A
Chr12	95747195	95747340	Chr12.80999	<i>Flrt2(+55042),1700019m22nk(+299954)</i>	N/A
Chr12	3356905	3365705	Chr12.81	<i>Klf2(+523)</i>	N/A
Chr12	10440121	10440293	Chr12.8102	<i>Rdh14(+49427),Pgk1-rs7(+460089)</i>	N/A
Chr12	95817892	95818053	Chr12.81155	<i>Flrt2(+125747),1700019m22nk(+229249)</i>	N/A
Chr12	95963002	95963186	Chr12.81231	<i>1700019m22nk(+84128),Flrt2(+270868)</i>	N/A
Chr12	95994758	95994967	Chr12.81269	<i>1700019m22nk(+52359),Flrt2(+302637)</i>	N/A
Chr12	10451420	10451685	Chr12.8128	<i>Rdh14(+60773),Pgk1-rs7(+448743)</i>	N/A
Chr12	96115090	96115203	Chr12.81346	<i>1700019m22nk(-67925)</i>	N/A
Chr12	10461874	10462004	Chr12.8138	<i>Rdh14(+71159),Pgk1-rs7(+438357)</i>	N/A
Chr12	10462971	10463191	Chr12.8143	<i>Rdh14(+72301),Pgk1-rs7(+437215)</i>	N/A
Chr12	96342113	96342288	Chr12.81507	<i>1700019m22nk(-294979)</i>	N/A
Chr12	96670825	96671026	Chr12.81672	<i>1700019m22nk(-623704)</i>	N/A
Chr12	96763071	96763353	Chr12.81736	<i>1700019m22nk(-715990)</i>	N/A
Chr12	97203624	97203973	Chr12.82059	<i>None</i>	N/A
Chr12	10549600	10549958	Chr12.8222	<i>Rdh14(+158999),Pgk1-rs7(+350517)</i>	N/A
Chr12	97455850	97456016	Chr12.82327	<i>Galc(+803526)</i>	N/A
Chr12	97473118	97473334	Chr12.82348	<i>Galc(+786233)</i>	N/A
Chr12	97476391	97476537	Chr12.82349	<i>Galc(+782995)</i>	N/A
Chr12	10572192	10572432	Chr12.8242	<i>Rdh14(+181532),Pgk1-rs7(+327984)</i>	N/A
Chr12	10572816	10572733	Chr12.8244	<i>Rdh14(+181895),Pgk1-rs7(+327621)</i>	N/A

Chr12	10573442	10573646	Chr12.8249	Rdh14(+182764),Pgk1-rs7(+326752)	N/A
Chr12	10573700	10573806	Chr12.8250	Rdh14(+182973),Pgk1-rs7(+326543)	N/A
Chr12	97888551	97889245	Chr12.82649	Galc(+370411)	N/A
Chr12	97896782	97896922	Chr12.82667	Galc(+362607)	N/A
Chr12	10584317	10584440	Chr12.8269	Rdh14(+193599),Pgk1-rs7(+315917)	N/A
Chr12	98006079	98006180	Chr12.82788	Galc(+253329)	N/A
Chr12	98562513	98562625	Chr12.83253	Kcnk10(+15371),Gpr65(+293934)	N/A
Chr12	98573702	98573817	Chr12.83267	Kcnk10(+4180),Gpr65(+305125)	N/A
Chr12	98720912	98721194	Chr12.83482	Ptpn21(+13592),Spata7(+92896)	N/A
Chr12	98736959	98737126	Chr12.83502	Ptpn21(+2398)	N/A
Chr12	98737617	98737755	Chr12.83504	Ptpn21(+3041)	N/A
Chr12	99011648	99011819	Chr12.83781	Ttc8(+91122),Foxn3(+381338)	N/A
Chr12	99026292	99026482	Chr12.83790	Ttc8(+105775),Foxn3(+366685)	N/A
Chr12	99124114	99124262	Chr12.83871	Ttc8(+203578),Foxn3(+268884)	N/A
Chr12	99192478	99192731	Chr12.83956	Foxn3(+200467),Ttc8(+271993)	N/A
Chr12	99219510	99219721	Chr12.84016	Foxn3(+173456),Ttc8(+299004)	N/A
Chr12	99220543	99220890	Chr12.84022	Foxn3(+172355),Ttc8(+300105)	N/A
Chr12	99221019	99221148	Chr12.84029	Foxn3(+171988),Ttc8(+300472)	N/A
Chr12	99230022	99230143	Chr12.84039	Foxn3(+162989),Ttc8(+309471)	N/A
Chr12	99232085	99232187	Chr12.84048	Foxn3(+160836),Ttc8(+311524)	N/A
Chr12	99233512	99233703	Chr12.84050	Foxn3(+159494),Ttc8(+313966)	N/A
Chr12	99234517	99234640	Chr12.84058	Foxn3(+158493),Ttc8(+313967)	N/A
Chr12	99234838	99234980	Chr12.84063	Foxn3(+158163),Ttc8(+314297)	N/A
Chr12	99236738	99236868	Chr12.84065	Foxn3(+156269),Ttc8(+316191)	N/A
Chr12	99239874	99239988	Chr12.84067	Foxn3(+153141),Ttc8(+319319)	N/A
Chr12	99293344	99293506	Chr12.84148	Foxn3(+99847),Ttc8(+37213)	N/A
Chr12	99299881	99300202	Chr12.84158	Foxn3(+93303),Ttc8(+379430)	N/A
Chr12	99306203	99306541	Chr12.84160	Foxn3(+86700),Ttc8(+385760)	N/A
Chr12	99306875	99307005	Chr12.84165	Foxn3(+86132),Ttc8(+386328)	N/A
Chr12	99319350	99319492	Chr12.84179	Foxn3(+73651),Ttc8(+398809)	N/A
Chr12	99329318	99329499	Chr12.84185	Foxn3(+63664),Ttc8(+408796)	N/A
Chr12	99332032	99332200	Chr12.84199	Foxn3(+60856),Ttc8(+411504)	N/A
Chr12	99352015	99352120	Chr12.84226	Foxn3(+41004),Ttc8(+431456)	N/A
Chr12	99391181	99391398	Chr12.84257	Foxn3(+1782),Ttc8(+470678)	N/A
Chr12	99392062	99392315	Chr12.84260	Foxn3(+883)	N/A
Chr12	99406334	99406626	Chr12.84267	Foxn3(+13408),Efcab11(+476962)	N/A
Chr12	99407003	99406875	Chr12.84273	Foxn3(+13717),Efcab11(+476653)	N/A
Chr12	99454592	99454698	Chr12.84319	Foxn3(+61573),Efcab11(+428797)	N/A
Chr12	99467469	99467585	Chr12.84344	Foxn3(+74455),Efcab11(+415915)	N/A
Chr12	99489129	99489336	Chr12.84357	Foxn3(+96161),Efcab11(+394209)	N/A
Chr12	99498437	99498582	Chr12.84385	Foxn3(+105438),Efcab11(+384932)	N/A
Chr12	99499018	99499281	Chr12.84393	Foxn3(+106078),Efcab11(+384292)	N/A
Chr12	99510824	99511084	Chr12.84400	Foxn3(+117887),Efcab11(+372483)	N/A
Chr12	99519577	99519800	Chr12.84417	Foxn3(+126617),Efcab11(+363753)	N/A
Chr12	99526581	99526791	Chr12.84425	Foxn3(+133614),Efcab11(+356756)	N/A
Chr12	99527063	99527460	Chr12.84429	Foxn3(+134190),Efcab11(+356180)	N/A
Chr12	99529970	99530153	Chr12.84435	Foxn3(+136990),Efcab11(+353380)	N/A
Chr12	99532054	99530465	Chr12.84438	Foxn3(+137263),Efcab11(+353107)	N/A
Chr12	99561318	99561637	Chr12.84462	Foxn3(+168406),Efcab11(+321964)	N/A
Chr12	99562399	99562525	Chr12.84475	Foxn3(+169390),Efcab11(+320980)	N/A
Chr12	99562655	99562756	Chr12.84478	Foxn3(+169634),Efcab11(+320736)	N/A
Chr12	99563401	99563525	Chr12.84482	Foxn3(+170391),Efcab11(+319979)	N/A
Chr12	99564116	99564339	Chr12.84486	Foxn3(+177156),Efcab11(+319214)	N/A
Chr12	99603976	99604187	Chr12.84530	Foxn3(+211000),Efcab11(+279370)	N/A
Chr12	99627186	99627369	Chr12.84568	Foxn3(+234206),Efcab11(+256164)	N/A
Chr12	99640808	99641085	Chr12.84580	Foxn3(+247875),Efcab11(+242495)	N/A
Chr12	99650080	99650248	Chr12.84585	Foxn3(+257092),Efcab11(+233278)	N/A
Chr12	99668183	99668297	Chr12.84597	Foxn3(+275168),Efcab11(+215202)	N/A
Chr12	99670747	99670938	Chr12.84600	Foxn3(+277771),Efcab11(+212599)	N/A
Chr12	99670972	99671184	Chr12.84603	Foxn3(+278006),Efcab11(+212364)	N/A
Chr12	99671525	99671680	Chr12.84605	Foxn3(+278531),Efcab11(+211839)	N/A
Chr12	99671722	99671895	Chr12.84609	Foxn3(+278737),Efcab11(+211633)	N/A
Chr12	99757098	99757320	Chr12.84679	Foxn3(+364137),Efcab11(+126233)	N/A
Chr12	99784217	99784361	Chr12.84702	Foxn3(+391217),Efcab11(+99153)	N/A
Chr12	99785841	99785810	Chr12.84709	Foxn3(+392654),Efcab11(+97716)	N/A
Chr12	99790639	99790809	Chr12.84713	Foxn3(+397650),Efcab11(+92718)	N/A
Chr12	99819781	99819889	Chr12.84740	Foxn3(+426763),Efcab11(+63607)	N/A
Chr12	99833178	99833305	Chr12.84765	Foxn3(+440170),Efcab11(+50200)	N/A
Chr12	100176620	100176804	Chr12.85146	Calml1(+22723),Nr2e2(+17059)	N/A
Chr12	100187551	100187707	Chr12.85158	Nr2e2(+27976),Calml1(+11806)	N/A
Chr12	100198672	100198772	Chr12.85160	Nr2e2(+29069),Calml1(+10713)	N/A
Chr12	100199472	100199721	Chr12.85173	Calml1(+87)	N/A
Chr12	10020655	10020841	Chr12.85226	Calml1(+10313),Ttc7b(+311074)	N/A
Chr12	100223661	100223781	Chr12.85232	Calml1(+24286),Ttc7b(+297101)	N/A
Chr12	100228192	100228361	Chr12.85237	Calml1(+28842),Ttc7b(+292545)	N/A
Chr12	100353076	100353285	Chr12.85359	Calml1(+153748),Ttc7b(+167836)	N/A
Chr12	100380839	100380997	Chr12.85400	Ttc7b(+139040),Calml1(+181483)	N/A
Chr12	10039322	100398532	Chr12.85425	Ttc7b(+122395),Calml1(+198992)	N/A
Chr12	100408348	100408509	Chr12.85448	Ttc7b(+112393),Calml1(+208994)	N/A
Chr12	100426258	100426477	Chr12.85479	Ttc7b(+94454),Calml1(+226933)	N/A
Chr12	111515171	111515132	Chr12.85548	Kcna3(+869)	N/A
Chr12	100480824	100480958	Chr12.85505	Ttc7b(+39931),Calml1(+281456)	N/A
Chr12	100519680	100519836	Chr12.85517	Ttc7b(+1064),Calml1(+320323)	N/A
Chr12	11203921	11204080	Chr12.8552	Kcna3(+53628),Mgna1(+4947)	N/A
Chr12	100568852	100569118	Chr12.85578	Ttc7b(+48163),Rps6ka5(+156043)	N/A
Chr12	100711200	100711329	Chr12.85655	Ttc7b(+190443),Rps6ka5(+13763)	N/A
Chr12	100711457	100711598	Chr12.85657	Ttc7b(+190760),Rps6ka5(+13500)	N/A
Chr12	100723100	100723310	Chr12.85667	Ttc7b(+202383),Rps6ka5(+1823)	N/A
Chr12	100724987	100725305	Chr12.85672	Rps6ka5(+118)	N/A
Chr12	100725342	100725566	Chr12.85681	Rps6ka5(+426)	N/A
Chr12	100781865	100782015	Chr12.85694	DgLucy(+2883),Gpr68(+126258)	N/A
Chr12	11218084	11218230	Chr12.85861	Mgna1(+9214),170003404nk(+4048)	N/A
Chr12	100925205	100925355	Chr12.85902	Gpr68(+17082),Ccdc88c(+103703)	N/A
Chr12	11227084	11227205	Chr12.8591	170003404nk(+4935)	N/A
Chr12	100990445	100990549	Chr12.86061	Gpr68(+82299),Ccdc88c(+38486)	N/A
Chr12	101026985	101027153	Chr12.86083	Gpr68(+118871),Ccdc88c(+1914)	N/A
Chr12	101777817	101778230	Chr12.86324	Tc2n(+85071),Foln5(+41031)	N/A
Chr12	101807517	101807642	Chr12.86380	Tc2n(+86057),Foln5(+41475)	N/A
Chr12	101817365	101817645	Chr12.86381	Tc2n(+96982),Foln5(+1559)	N/A
Chr12	101818200	101818316	Chr12.86385	Fbln5(+797)	N/A
Chr12	101818536	101818758	Chr12.86388	Fbln5(+408)	N/A
Chr12	101818846	101819124	Chr12.86392	Fbln5(+70)	N/A
Chr12	101852222	101852354	Chr12.86439	Fbln5(+33233),Trip11(+60979)	N/A
Chr12	101922801	101922942	Chr12.86627	Trip11(+9605),Atxn3(+35374)	N/A
Chr12	102139690	102139811	Chr12.86829	Rin3(+143297),Slc24a4(+10577)	N/A
Chr12	102511435	102511628	Chr12.87164	Chga(+43437),Golga5(+42398)	N/A
Chr12	102580226	102580436	Chr12.87239	Chga(+25362),Itpk1(+124598)	N/A
Chr12	102625873	102626011	Chr12.87269	Chga(+70973),Itpk1(+78987)	N/A
Chr12	102680589	102680701	Chr12.87282	Itpk1(+24284),Chga(+129678)	N/A
Chr12	102780787	102781152	Chr12.87368	Ubr1(+22865),Stbd1(+97445)	N/A
Chr12	102948796	102949411	Chr12.87464	Unc79(+245)	N/A
Chr12	102949462	102949676	Chr12.87467	Unc79(+710)	N/A
Chr12	102949832	102950125	Chr12.87470	Unc79(+1120),Prima1(+292171)	N/A
Chr12	103050030	103050171	Chr12.87592	Unc79(+101243),Prima1(+192049)	N/A
Chr12	103157758	103157891	Chr12.87778	Prima1(+84325),Unc79(+208957)	N/A
Chr12	103164621	103164826	Chr12.87798	Prima1(+77426),Unc79(+215865)	N/A
Chr12	103202985	103203147	Chr12.87866	Prima1(+39084),Unc79(+254207)	N/A
Chr12	103221704	103221825	Chr12.87883	Prima1(+20385),Unc79(+272906)	N/A
Chr12	103313913	103314373	Chr12.87929	Fam181a(+816)	N/A
Chr12	103314680	103315020	Chr12.87935	Fam181a(+104)	N/A
Chr12	103272286	103272508	Chr12.87952	Fam181a(+12438),Asb2(+28604)	N/A
Chr12	103385512	103388800	Chr12.88068	Otub2(+26)	N/A
Chr12	103514454	103514612	Chr12.88177	It2712b(+57310),Ppp4r4(+18032)	N/A
Chr12	103612942	103613072	Chr12.88276	Serpina10(+18437),Ppp4r4(+80442)	N/A
Chr12	11435889	114360022	Chr12.88653	Vsn1(+693)	N/A
Chr12	11436251	11436627	Chr12.8854	Vsn1(+210)	N/A
Chr12	11436688	11436828	Chr12.8860	Vsn1(+109)	N/A
Chr12	104431517	104431621	Chr12.89323	Serpina3n(+24840),Gsc(+41758)	N/A
Chr12	104450611	104450750	Chr12.89335	Gsc(+22646),Serpina3n(+43952)	N/A
Chr12	104473344	104473486	Chr12.89372	Gm10000(+1083),Gsc(+78)	N/A
Chr12	104473534	104473699	Chr12.89373	Gm10000(+871),Gsc(+290)	N/A
Chr12	104476041	104476441	Chr12.89382	Gsc(+2941),Gm10000(+1780)	N/A
Chr12	104477402	104477867	Chr12.89390	Gsc(+4308),Gm10000(+3147)	N/A
Chr12	104477992	104478286	Chr12.89395	Gsc(+4812),Gm10000(+3651)	N/A
Chr12	104480304	104480461	Chr12.89405	Gm10000(+5895),Dicer1(+271569)	N/A
Chr12	104531998	104532211	Chr12.89457	Gm10000(+57617),Dicer1(+219847)	N/A
Chr12	104546089	104546315	Chr12.89475	Gm10000(+71714),Dicer1(+265750)	N/A
Chr12	104552636	104552927	Chr12.89480	Gm10000(+78294),Dicer1(+199170)	N/A

Chr12	104554798	104555112	Chr12.89482	Gm10000(+80467),Dicer1(+196997)	N/A
Chr12	104555143	104555248	Chr12.89489	Gm10000(+80708),Dicer1(+196756)	N/A
Chr12	104557594	104557753	Chr12.89497	Gm10000(+83186),Dicer1(+194278)	N/A
Chr12	104567761	104567875	Chr12.89511	Gm10000(+83330),Dicer1(+194134)	N/A
Chr12	104593249	104593428	Chr12.89534	Gm10000(+118851),Dicer1(+158613)	N/A
Chr12	104593472	104593756	Chr12.89535	Gm10000(+119126),Dicer1(+158338)	N/A
Chr12	104606097	104606207	Chr12.89537	Gm10000(+131664),Dicer1(+145800)	N/A
Chr12	104609948	104610056	Chr12.89548	Gm10000(+135514),Dicer1(+141950)	N/A
Chr12	104633915	104634145	Chr12.89561	Dicer1(+117922),Gm10000(+159542)	N/A
Chr12	104634808	104635264	Chr12.89569	Dicer1(+116916),Gm10000(+160548)	N/A
Chr12	104637458	104637603	Chr12.89582	Dicer1(+114421),Gm10000(+163043)	N/A
Chr12	104647230	104647336	Chr12.89587	Dicer1(+104669),Gm10000(+172795)	N/A
Chr12	104650625	104650754	Chr12.89594	Dicer1(+101262),Gm10000(+176202)	N/A
Chr12	104665721	104666163	Chr12.89600	Dicer1(+86010),Gm10000(+191454)	N/A
Chr12	104678587	104678851	Chr12.89610	Dicer1(+73233),Gm10000(+204231)	N/A
Chr12	104679027	104679250	Chr12.89614	Dicer1(+72813),Gm10000(+204651)	N/A
Chr12	104679320	104679484	Chr12.89616	Dicer1(+72550),Gm10000(+204914)	N/A
Chr12	104679521	104680236	Chr12.89617	Dicer1(+72073),Gm10000(+205391)	N/A
Chr12	104688786	104689079	Chr12.89637	Dicer1(+63019),Gm10000(+214445)	N/A
Chr12	104694440	104695075	Chr12.89648	Dicer1(+61444),Gm10000(+216020)	N/A
Chr12	104695005	104690711	Chr12.89651	Dicer1(+61394),Gm10000(+216170)	N/A
Chr12	104697838	104698019	Chr12.89703	Dicer1(+54023),Gm10000(+223441)	N/A
Chr12	104716551	104716672	Chr12.89750	Dicer1(+35340),Gm10000(+242124)	N/A
Chr12	104719694	104719811	Chr12.89756	Dicer1(+32199),Gm10000(+245265)	N/A
Chr12	104737763	104737884	Chr12.89780	Dicer1(+61444),Gm10000(+263336)	N/A
Chr12	104802327	104802327	Chr12.89853	Dicer1(+50236),Clim(+62886)	N/A
Chr12	104814082	104814240	Chr12.89881	Dicer1(+62199),Clim(+50925)	N/A
Chr12	104880460	104880623	Chr12.89905	4930408017rk(+15212),Syme3(+118135)	N/A
Chr12	104901217	104901533	Chr12.89910	4930408017rk(+36045),Syme3(+97302)	N/A
Chr12	104919212	104919322	Chr12.89925	4930408017rk(+53937),Syme3(+79410)	N/A
Chr12	104936975	104936983	Chr12.89944	Syme3(+58524),4930408017rk(+74423)	N/A
Chr12	105013146	105013302	Chr12.90046	Glx5(+18465),Syme3(+14545)	N/A
Chr12	105031075	105031347	Chr12.90049	Glx5(+1478)	N/A
Chr12	105234532	105234662	Chr12.90081	D430019h16nk(-219259),Tcl1(-11860)	N/A
Chr12	105398427	105398563	Chr12.90172	Tcl1(-175758),D430019h16nk(-55361)	N/A
Chr12	105520885	105527033	Chr12.90196	Bdkb2(-36213),D430019h16nk(+73103)	N/A
Chr12	105784616	105784923	Chr12.90574	Papola(+78)	N/A
Chr12	105837468	105837644	Chr12.90631	Vtk1(+172707),Papola(+52862)	N/A
Chr12	105843238	105843472	Chr12.90656	Vtk1(-166908),Papola(+58661)	N/A
Chr12	105856224	105856395	Chr12.90669	Vtk1(-153953),Papola(+71616)	N/A
Chr12	105862629	105862852	Chr12.90675	Vtk1(-147522),Papola(+78047)	N/A
Chr12	105863597	105863810	Chr12.90676	Vtk1(-146559),Papola(+79010)	N/A
Chr12	105875093	105875355	Chr12.90683	Vtk1(-135044),Papola(+96525)	N/A
Chr12	105876816	105876942	Chr12.90689	Vtk1(-133384),Papola(+92185)	N/A
Chr12	105884729	105885079	Chr12.90703	Vtk1(-125359),Papola(+100210)	N/A
Chr12	105890980	1058909316	Chr12.90713	Vtk1(-111065),Papola(+114504)	N/A
Chr12	105911919	105912346	Chr12.90724	Vtk1(-98130),Papola(+127439)	N/A
Chr12	105914763	105914952	Chr12.90731	Vtk1(-95410),Papola(+130159)	N/A
Chr12	105935431	105935666	Chr12.90765	Vtk1(-74714),Papola(+150585)	N/A
Chr12	105960330	105960494	Chr12.90788	Vtk1(-49851),Papola(+175718)	N/A
Chr12	105960593	105960727	Chr12.90789	Vtk1(-49603),Papola(+175966)	N/A
Chr12	105967341	105967455	Chr12.90799	Vtk1(-42865),Papola(+182704)	N/A
Chr12	106008908	1060089312	Chr12.90883	Vtk1(+58847)	N/A
Chr12	106081072	106081278	Chr12.90915	Vtk1(+70912)	N/A
Chr12	106081509	106081691	Chr12.90919	Vtk1(+71337)	N/A
Chr12	106082185	106082391	Chr12.90923	Vtk1(+72025)	N/A
Chr12	106174815	106175035	Chr12.91022	Vtk1(+164662)	N/A
Chr12	106175152	106175563	Chr12.91029	Vtk1(+165095)	N/A
Chr12	106182395	106182550	Chr12.91037	Vtk1(+172210)	N/A
Chr12	106185444	106185546	Chr12.91040	Vtk1(+175232)	N/A
Chr12	106185628	106185993	Chr12.91046	Vtk1(+175548)	N/A
Chr12	106226826	106227368	Chr12.91092	Vtk1(+216834)	N/A
Chr12	106309017	106309137	Chr12.91203	Vtk1(+298814)	N/A
Chr12	12176767	12176882	Chr12.91228	Fam49a(-85309),Rad51ap2(+720751)	N/A
Chr12	106430021	106430187	Chr12.91389	Vtk1(+419841)	N/A
Chr12	106447335	106447435	Chr12.91404	Vtk1(+437122)	N/A
Chr12	106478407	106478615	Chr12.91453	Vtk1(+468248)	N/A
Chr12	106478664	106478925	Chr12.91457	Vtk1(+468532)	N/A
Chr12	106479714	106480110	Chr12.91468	Vtk1(+469649)	N/A
Chr12	106513899	106514006	Chr12.91510	311001806rk(-974679),Vtk1(+503690)	N/A
Chr12	106527953	106528052	Chr12.91531	311001806rk(-96029),Vtk1(+517740)	N/A
Chr12	106540299	106540626	Chr12.91545	311001806rk(-948169),Vtk1(+530200)	N/A
Chr12	106555374	106555498	Chr12.91574	311001806rk(-933196),Vtk1(+545173)	N/A
Chr12	106608194	106608299	Chr12.91656	311001806rk(-880385),Vtk1(+597984)	N/A
Chr12	106658407	106658602	Chr12.91699	311001806rk(-830127),Vtk1(+646242)	N/A
Chr12	106658903	106658953	Chr12.91705	311001806rk(-829754),Vtk1(+648615)	N/A
Chr12	106673133	106673395	Chr12.91719	311001806rk(-815368),Vtk1(+663001)	N/A
Chr12	106676611	106676882	Chr12.91725	311001806rk(-811885),Vtk1(+666484)	N/A
Chr12	106683157	106683342	Chr12.91735	311001806rk(-805382),Vtk1(+672987)	N/A
Chr12	106687726	106688129	Chr12.91749	311001806rk(-800704),Vtk1(+677665)	N/A
Chr12	106732405	106732644	Chr12.91789	311001806rk(-758107),Vtk1(+722262)	N/A
Chr12	106746933	106747046	Chr12.91809	311001806rk(-741642),Vtk1(+726277)	N/A
Chr12	106748757	106748870	Chr12.91813	311001806rk(-739818),Vtk1(+738551)	N/A
Chr12	106819895	106820051	Chr12.91868	311001806rk(-686859),Vtk1(+809710)	N/A
Chr12	106829315	106829472	Chr12.91876	311001806rk(-659238),Vtk1(+819131)	N/A
Chr12	106829507	106829606	Chr12.91879	311001806rk(-659078),Vtk1(+819294)	N/A
Chr12	106833138	106833264	Chr12.91883	311001806rk(-655431),Vtk1(+822938)	N/A
Chr12	106839699	106840041	Chr12.91895	311001806rk(-648762),Vtk1(+829607)	N/A
Chr12	106842178	106842296	Chr12.91898	311001806rk(-646395),Vtk1(+831974)	N/A
Chr12	106843279	106842525	Chr12.91900	311001806rk(-646180),Vtk1(+832189)	N/A
Chr12	106846566	106846672	Chr12.91908	311001806rk(-642013),Vtk1(+836356)	N/A
Chr12	12261480	12261583	Chr12.91991	Fam49a(-607)	N/A
Chr12	106849067	106849205	Chr12.91911	311001806rk(-640486),Vtk1(+837883)	N/A
Chr12	106853887	106854127	Chr12.91916	311001806rk(-634625),Vtk1(+843744)	N/A
Chr12	106855605	106855708	Chr12.91925	311001806rk(-632975),Vtk1(+845394)	N/A
Chr12	106856341	106856642	Chr12.91928	311001806rk(-632140),Vtk1(+846229)	N/A
Chr12	106867386	106868197	Chr12.91941	311001806rk(-620540),Vtk1(+857829)	N/A
Chr12	106899446	106899553	Chr12.91977	311001806rk(-589132),Vtk1(+866277)	N/A
Chr12	106923198	106923431	Chr12.92007	311001806rk(-565322),Vtk1(+913047)	N/A
Chr12	106923618	106923721	Chr12.92012	311001806rk(-564962),Vtk1(+913407)	N/A
Chr12	106928669	106928772	Chr12.92020	311001806rk(-559911),Vtk1(+918458)	N/A
Chr12	106931670	106931821	Chr12.92033	311001806rk(-556886),Vtk1(+921483)	N/A
Chr12	106943604	106943750	Chr12.92044	311001806rk(-544955),Vtk1(+933414)	N/A
Chr12	106955951	106956152	Chr12.92075	311001806rk(-532580),Vtk1(+945789)	N/A
Chr12	106970021	106970182	Chr12.92083	311001806rk(-518530),Vtk1(+959839)	N/A
Chr12	107011175	107011370	Chr12.92127	311001806rk(-477359)	N/A
Chr12	107022724	107022834	Chr12.92139	311001806rk(-465853)	N/A
Chr12	107027899	107028094	Chr12.92148	311001806rk(-460635)	N/A
Chr12	107042006	107042153	Chr12.92181	311001806rk(-446552)	N/A
Chr12	107047890	107048142	Chr12.92196	311001806rk(-440616)	N/A
Chr12	12287442	12287595	Chr12.92220	Rpl36-ps3(-624467),Fam49a(+25380)	N/A
Chr12	107084610	107084801	Chr12.92224	311001806rk(-403926)	N/A
Chr12	107085215	107085481	Chr12.92230	311001806rk(-403284)	N/A
Chr12	107085794	107085896	Chr12.92234	311001806rk(-402787)	N/A
Chr12	107090302	107090517	Chr12.92236	311001806rk(-402542)	N/A
Chr12	107112070	107112519	Chr12.92256	311001806rk(-376337)	N/A
Chr12	107121986	107122262	Chr12.92267	311001806rk(-366508)	N/A
Chr12	107148622	107148788	Chr12.92314	311001806rk(-339927)	N/A
Chr12	107160125	107160365	Chr12.92330	311001806rk(-328387)	N/A
Chr12	12301952	12302102	Chr12.92334	Rpl36-ps3(-609559),Fam49a(+39888)	N/A
Chr12	107165767	107165987	Chr12.92342	311001806rk(-322705)	N/A
Chr12	107208488	107208677	Chr12.92390	311001806rk(-280049)	N/A
Chr12	107219461	107219675	Chr12.92407	311001806rk(-269064)	N/A
Chr12	107266445	107266545	Chr12.92430	311001806rk(-222137)	N/A
Chr12	107281218	107281323	Chr12.92446	311001806rk(-207361)	N/A
Chr12	107334458	107334684	Chr12.92512	311001806rk(-154071)	N/A
Chr12	12323749	12324010	Chr12.9252	Rpl36-ps3(-58106),Fam49a(+61741)	N/A
Chr12	107335037	107335339	Chr12.92520	311001806rk(-153444)	N/A
Chr12	107479431	107479549	Chr12.92681	311001806rk(-9142)	N/A
Chr12	107549635	107549869	Chr12.92734	311001806rk(+61120),Bcl11b(+453850)	N/A
Chr12	107569147	107569256	Chr12.92756	311001806rk(+60570),Bcl11b(+434400)	N/A
Chr12	107572467	107572574	Chr12.92786	311001806rk(+63889),Bcl11b(+431081)	N/A
Chr12	107653198	107653337	Chr12.92866	311001806rk(+164636),Bcl11b(+350334)	N/A
Chr12	107669296	107669627	Chr12.92877	311001806rk(+180827),Bcl11b(+334143)	N/A
Chr12	107677408	107677574	Chr12.92887	311001806rk(+188859),Bcl11b(+326111)	N/A
Chr12	107677629	107677746	Chr12.92888	311001806rk(+189057),Bcl11b(+325913)	N/A
Chr12	107690578	107690679	Chr12.92900	311001806rk(+201987),Bcl11b(+312973)	N/A
Chr12	107716001	107716214	Chr12.92924	311001806rk(-227476),Bcl11b(+287494)	N/A

Chr12		107723701	107724124	Chr12.92937	311001806rik(+235281),Bcl11b(+279689)	N/A
Chr12		107729179	107729295	Chr12.92941	311001806rik(+240605),Bcl11b(+274365)	N/A
Chr12		107729411	107729607	Chr12.92946	311001806rik(+240877),Bcl11b(+274059)	N/A
Chr12		107752271	107752438	Chr12.92970	Bcl11b(+251247),311001806rik(+263723)	N/A
Chr12		107758529	107758677	Chr12.92979	Bcl11b(+244999),311001806rik(+269971)	N/A
Chr12		107789731	107789852	Chr12.93001	Bcl11b(+213810),311001806rik(+301160)	N/A
Chr12		107807769	107808002	Chr12.93015	Bcl11b(+195716),311001806rik(+319254)	N/A
Chr12		107812891	107812994	Chr12.93030	Bcl11b(+190659),311001806rik(+324311)	N/A
Chr12		107824069	107824173	Chr12.93035	Bcl11b(+179481),311001806rik(+335489)	N/A
Chr12		107828638	107828797	Chr12.93044	Bcl11b(+174884),311001806rik(+340086)	N/A
Chr12		107856845	107856994	Chr12.93063	Bcl11b(+146682),311001806rik(+368288)	N/A
Chr12		107859515	107859695	Chr12.93074	Bcl11b(+143997),311001806rik(+370973)	N/A
Chr12		107859740	107860037	Chr12.93076	Bcl11b(+143713),311001806rik(+371257)	N/A
Chr12		107876201	107876465	Chr12.93085	Bcl11b(+127269),311001806rik(+387707)	N/A
Chr12		107889916	107887050	Chr12.93094	Bcl11b(+116619),311001806rik(+398351)	N/A
Chr12		107887094	107887389	Chr12.93095	Bcl11b(+116360),311001806rik(+398610)	N/A
Chr12		107890528	107890663	Chr12.93100	Bcl11b(+113006),311001806rik(+401964)	N/A
Chr12		107895088	107895203	Chr12.93101	Bcl11b(+108456),311001806rik(+406514)	N/A
Chr12		107912283	107912392	Chr12.93125	Bcl11b(+91264),311001806rik(+423706)	N/A
Chr12		107913829	107914043	Chr12.93136	Bcl11b(+89616),311001806rik(+425354)	N/A
Chr12		107920727	107920880	Chr12.93164	Bcl11b(+82798),311001806rik(+432172)	N/A
Chr12		107928294	107928761	Chr12.93172	Bcl11b(+75074),311001806rik(+439896)	N/A
Chr12		107930772	107930878	Chr12.93176	Bcl11b(+72777),311001806rik(+442193)	N/A
Chr12		107930975	107931425	Chr12.93179	Bcl11b(+72402),311001806rik(+442568)	N/A
Chr12		107932173	107932463	Chr12.93184	Bcl11b(+71284),311001806rik(+443686)	N/A
Chr12		107934871	107935034	Chr12.93185	Bcl11b(+68649),311001806rik(+446321)	N/A
Chr12		107938250	107938361	Chr12.93202	Bcl11b(+65299),311001806rik(+449674)	N/A
Chr12		107950868	107951048	Chr12.93214	Bcl11b(+52644),311001806rik(+462326)	N/A
Chr12		107952139	107952688	Chr12.93215	Bcl11b(+51198),311001806rik(+463772)	N/A
Chr12		107954106	107954278	Chr12.93221	Bcl11b(+49410),311001806rik(+465560)	N/A
Chr12		107960046	107960210	Chr12.93225	Bcl11b(+43474),311001806rik(+471496)	N/A
Chr12		107961359	107961953	Chr12.93227	Bcl11b(+41946),311001806rik(+473059)	N/A
Chr12		107963081	107963180	Chr12.93235	Bcl11b(+40471),311001806rik(+474499)	N/A
Chr12		107963237	107963381	Chr12.93238	Bcl11b(+40293),311001806rik(+474677)	N/A
Chr12		107966642	107966787	Chr12.93249	Bcl11b(+36887),311001806rik(+478083)	N/A
Chr12		107970097	107970241	Chr12.93250	Bcl11b(+33433),311001806rik(+481537)	N/A
Chr12		107970735	107971096	Chr12.93256	Bcl11b(+32566),311001806rik(+482234)	N/A
Chr12		107971576	107971736	Chr12.93262	Bcl11b(+31946),311001806rik(+483024)	N/A
Chr12		107974766	107974928	Chr12.93265	Bcl11b(+28755),311001806rik(+486215)	N/A
Chr12		107975157	107975434	Chr12.93267	Bcl11b(+28306),311001806rik(+486664)	N/A
Chr12		107976154	107976423	Chr12.93274	Bcl11b(+27313),311001806rik(+487657)	N/A
Chr12		107976533	107976675	Chr12.93276	Bcl11b(+26998),311001806rik(+487972)	N/A
Chr12		107978738	107978983	Chr12.93282	Bcl11b(+24741),311001806rik(+490029)	N/A
Chr12		107979270	107979385	Chr12.93286	Bcl11b(+24274),311001806rik(+490696)	N/A
Chr12		107987830	107987933	Chr12.93303	Bcl11b(+15720),311001806rik(+499250)	N/A
Chr12		107987992	107988100	Chr12.93305	Bcl11b(+15556),311001806rik(+499414)	N/A
Chr12		107989709	107989803	Chr12.93340	Bcl11b(+5629),311001806rik(+503941)	N/A
Chr12		107990725	107990853	Chr12.93345	Bcl11b(+4913),311001806rik(+510157)	N/A
Chr12		107999513	107999691	Chr12.93350	Bcl11b(+4000),311001806rik(+510970)	N/A
Chr12		108000271	108000381	Chr12.93353	Bcl11b(+3276),311001806rik(+511694)	N/A
Chr12		108001622	108001827	Chr12.93360	Bcl11b(+1877),311001806rik(+513093)	N/A
Chr12		108003683	108004194	Chr12.93369	Bcl11b(+337)	N/A
Chr12		108006414	108006616	Chr12.93378	Bcl11b(+2915)	N/A
Chr12		108009534	108009635	Chr12.93394	Bcl11b(+5983),Seld3(+169729)	N/A
Chr12		108035846	108035956	Chr12.93426	Bcl11b(+32299),Seld3(+143413)	N/A
Chr12		108037515	108037682	Chr12.93428	Bcl11b(+33997),Seld3(+141715)	N/A
Chr12		108037714	108037818	Chr12.93429	Bcl11b(+34164),Seld3(+141548)	N/A
Chr12		108054078	108054235	Chr12.93438	Bcl11b(+50555),Seld3(+125157)	N/A
Chr12		108078679	108078696	Chr12.93449	Bcl11b(+75186),Seld3(+100526)	N/A
Chr12		12401295	12401854	Chr12.93550	Rpl36-ps3(+510411),Fam49a(+139436)	N/A
Chr12		108119099	108119397	Chr12.93521	Bcl11b(+115646),Seld3(+60066)	N/A
Chr12		12405876	12405975	Chr12.93555	Rpl36-ps3(+506060),Fam49a(+143787)	N/A
Chr12		108179783	108179886	Chr12.93570	Seld3(+521),Ccnk(+97)	N/A
Chr12		108219324	108219470	Chr12.93656	Ccnk(+39659),Ccdc85c(+56020)	N/A
Chr12		108240654	108240773	Chr12.93662	Ccdc85c(+34703),Ccnk(+60976)	N/A
Chr12		108265951	108266068	Chr12.93672	Ccdc85c(+3407),Ccnk(+86272)	N/A
Chr12		108266097	108266237	Chr12.93674	Ccdc85c(+9250),Ccnk(+86429)	N/A
Chr12		108320671	108320827	Chr12.93739	Cyp46a1(+13628),Hhpl1(+14479)	N/A
Chr12		108372483	108372616	Chr12.93807	Em1(+50268),Cyp46a1(+38173)	N/A
Chr12		108404121	108404257	Chr12.93826	Em1(+16627),Cyp46a1(+49812)	N/A
Chr12		108493877	108494112	Chr12.93867	Ev1(+3726),Em1(+58179)	N/A
Chr12		108503169	108503268	Chr12.93890	Ev1(+5101),Em1(+80403)	N/A
Chr12		12453091	12453242	Chr12.93994	Rpl36-ps3(+458819),Fam49a(+191028)	N/A
Chr12		108583854	108583980	Chr12.93968	Ev1(+29197),Degs2(+118389)	N/A
Chr12		108605650	108606016	Chr12.93972	Ev1(+51114),Degs2(+96472)	N/A
Chr12		108606250	108606352	Chr12.93978	Ev1(+51581),Degs2(+96005)	N/A
Chr12		108668848	108668958	Chr12.94002	Degs2(+33403),Ev1(+114183)	N/A
Chr12		108688239	108688349	Chr12.94028	Degs2(+14072),Ev1(+133574)	N/A
Chr12		12485176	12485452	Chr12.94068	Rpl36-ps3(+426672),Fam49a(+223175)	N/A
Chr12		12485483	12485605	Chr12.9408	Rpl36-ps3(+426442),Fam49a(+223405)	N/A
Chr12		12496665	12496694	Chr12.94111	Rpl36-ps3(+415818),Fam49a(+234666)	N/A
Chr12		108904096	108904383	Chr12.94254	Wdr25(+9923),Bgain(+163977)	N/A
Chr12		108910954	108911108	Chr12.94268	Wdr25(+16714),Bgain(+157186)	N/A
Chr12		108914118	108914229	Chr12.94275	Wdr25(+19857),Bgain(+154043)	N/A
Chr12		12509183	12509641	Chr12.9428	Rpl36-ps3(+402574),Fam49a(+247273)	N/A
Chr12		108916137	108916285	Chr12.94281	Wdr25(+21894),Bgain(+152006)	N/A
Chr12		108916914	108917121	Chr12.94284	Wdr25(+22701),Bgain(+51199)	N/A
Chr12		108933703	108937230	Chr12.94312	Wdr25(+42835),Bgain(+131065)	N/A
Chr12		108950379	108950494	Chr12.94325	Wdr25(+56120),Bgain(+117780)	N/A
Chr12		108954306	108954540	Chr12.94343	Wdr25(+60106),Bgain(+113794)	N/A
Chr12		108959577	108959708	Chr12.94356	Wdr25(+65326),Bgain(+108574)	N/A
Chr12		108962742	108962900	Chr12.94361	Wdr25(+68504),Bgain(+105396)	N/A
Chr12		108964654	108964820	Chr12.94377	Bgain(+63475),Wdr25(+90425)	N/A
Chr12		12518550	12518729	Chr12.9438	Rpl36-ps3(+393348),Fam49a(+256501)	N/A
Chr12		108994495	108994682	Chr12.94384	Bgain(+73628),Wdr25(+100272)	N/A
Chr12		12527685	12527872	Chr12.9443	Rpl36-ps3(+384207),Fam49a(+265640)	N/A
Chr12		109393439	109393581	Chr12.94464	Bgain(+325293),Dik1(+59339)	N/A
Chr12		109399628	109399792	Chr12.94468	Bgain(+31493),Dik1(+53139)	N/A
Chr12		12528090	12528662	Chr12.9447	Rpl36-ps3(+383610),Fam49a(+266237)	N/A
Chr12		109402705	109402839	Chr12.94474	Bgain(+334555),Dik1(+50077)	N/A
Chr12		109407357	109407496	Chr12.94480	Bgain(+339210),Dik1(+45422)	N/A
Chr12		109410829	109410932	Chr12.94488	Bgain(+342664),Dik1(+41968)	N/A
Chr12		109445938	109446037	Chr12.94505	Bgain(+37777),Dik1(+6861)	N/A
Chr12		12541492	12541782	Chr12.94555	Rpl36-ps3(+370359),Fam49a(+279488)	N/A
Chr12		109513290	109513404	Chr12.94606	Dik1(+60498),Rtl(+86983)	N/A
Chr12		109532520	109532662	Chr12.94623	Rtl(+67739),Dik1(+79742)	N/A
Chr12		109533464	109533570	Chr12.94625	Rtl(+66813),Dik1(+80668)	N/A
Chr12		109535306	109535433	Chr12.94630	Rtl(+64960),Dik1(+82521)	N/A
Chr12		109536315	109536418	Chr12.94635	Rtl(+61963),Dik1(+85518)	N/A
Chr12		109538516	109538698	Chr12.94637	Rtl(+61723),Dik1(+85768)	N/A
Chr12		109539239	109539436	Chr12.94639	Rtl(+60992),Dik1(+86489)	N/A
Chr12		109540773	109541123	Chr12.94647	Rtl(+59382),Dik1(+88099)	N/A
Chr12		12576297	12576533	Chr12.9465	Rpl36-ps3(+335571),Fam49a(+314276)	N/A
Chr12		12576642	12576787	Chr12.94667	Rpl36-ps3(+335281),Fam49a(+314566)	N/A
Chr12		109553209	109553497	Chr12.94675	Rtl(+46977),Dik1(+100504)	N/A
Chr12		109555194	109555444	Chr12.94682	Rtl(+45017),Dik1(+102470)	N/A
Chr12		109558534	109559039	Chr12.94692	Rtl(+41543),Dik1(+105938)	N/A
Chr12		12578353	12578795	Chr12.9471	Rpl36-ps3(+333412),Fam49a(+316435)	N/A
Chr12		12581390	12581498	Chr12.94777	Rpl36-ps3(+330542),Fam49a(+318305)	N/A
Chr12		12581636	12582073	Chr12.9479	Rpl36-ps3(+330131),Fam49a(+319716)	N/A
Chr12		109612673	109612792	Chr12.94802	Dio3(+66635),Rtl(+12403)	N/A
Chr12		109697181	109697365	Chr12.94810	Dio3(+581795),Rtl(+96943)	N/A
Chr12		12586638	12586820	Chr12.9486	Rpl36-ps3(+325257),Fam49a(+324590)	N/A
Chr12		109748478	109748815	Chr12.94917	Dio3(+530421),Rtl(+148317)	N/A
Chr12		109911128	109911317	Chr12.94937	Dio3(+367845),Rtl(+310893)	N/A
Chr12		12591068	12591249	Chr12.94944	Rpl36-ps3(+320812),Fam49a(+329035)	N/A
Chr12		109913148	109913274	Chr12.94941	Dio3(+365657),Rtl(+312881)	N/A
Chr12		109913320	109913422	Chr12.94945	Dio3(+365697),Rtl(+313041)	N/A
Chr12		109968425	109968596	Chr12.94955	Rtl(+368181),Dio3(+310557)	N/A
Chr12		110024675	110024779	Chr12.94967	Rtl(+424397),Dio3(+254341)	N/A
Chr12		110047655	110047832	Chr12.94980	Rtl(+447414),Dio3(+231324)	N/A
Chr12		12592136	12592241	Chr12.95000	Rpl36-ps3(+319797),Fam49a(+330050)	N/A
Chr12		110112382	110112498	Chr12.95008	Rtl(+512110),Dio3(+166628)	N/A
Chr12						

Chr12	12611098	12611262	Chr12.9512	<i>Rpl36-ps3(-300806),Fam49a(+349041)</i>	N/A
Chr12	110279284	110279695	Chr12.95121	<i>Dio3(+422)</i>	N/A
Chr12	110375339	110375495	Chr12.95145	<i>Ppp25c(-110322),Dio3(+96349)</i>	N/A
Chr12	110449475	110449628	Chr12.95158	<i>Ppp25c(-38187),Dio3(+170458)</i>	N/A
Chr12	110465899	110466026	Chr12.95162	<i>Ppp25c(-19776),Dio3(+186895)</i>	N/A
Chr12	110486116	110486310	Chr12.95173	<i>Ppp25c(+474)</i>	N/A
Chr12	12621546	12621703	Chr12.9521	<i>Rpl36-ps3(-290361),Fam49a(+359486)</i>	N/A
Chr12	110580573	110580711	Chr12.95210	<i>Dync1h1(-20810),Ppp25c(+94903)</i>	N/A
Chr12	1263466	12634865	Chr12.9542	<i>Rpl36-ps3(-268170),Fam49a(+381677)</i>	N/A
Chr12	12632115	12632508	Chr12.9546	<i>Rpl36-ps3(-268628),Fam49a(+390223)</i>	N/A
Chr12	12655326	12655957	Chr12.9553	<i>Rpl36-ps3(-256344),Fam49a(+393503)</i>	N/A
Chr12	12669123	12669346	Chr12.9566	<i>Rpl36-ps3(-242751),Fam49a(+407096)</i>	N/A
Chr12	12676585	12677069	Chr12.9574	<i>Rpl36-ps3(-235159),Fam49a(+414688)</i>	N/A
Chr12	12680793	12680963	Chr12.9579	<i>Rpl36-ps3(-231108),Fam49a(+418739)</i>	N/A
Chr12	12681060	12681280	Chr12.9582	<i>Rpl36-ps3(-230816),Fam49a(+419031)</i>	N/A
Chr12	110803366	110803474	Chr12.95840	<i>Mok(+37519),Wdr20(+65471)</i>	N/A
Chr12	12684534	12684726	Chr12.9587	<i>Rpl36-ps3(-227356),Fam49a(+422491)</i>	N/A
Chr12	12685090	12685252	Chr12.9590	<i>Rpl36-ps3(-226815),Fam49a(+423032)</i>	N/A
Chr12	12694027	12694204	Chr12.9591	<i>Rpl36-ps3(-217870),Fam49a(+431977)</i>	N/A
Chr12	12698237	12698457	Chr12.9596	<i>Rpl36-ps3(-217589),Fam49a(+432258)</i>	N/A
Chr12	111038048	111038221	Chr12.96144	<i>Rcor1(-1663)</i>	N/A
Chr12	111038792	111038900	Chr12.96148	<i>Rcor1(-952)</i>	N/A
Chr12	12722998	12723169	Chr12.9622	<i>Rpl36-ps3(-188902),Fam49a(+460945)</i>	N/A
Chr12	12723198	12723373	Chr12.9623	<i>Rpl36-ps3(-188700),Fam49a(+461147)</i>	N/A
Chr12	12723405	12723577	Chr12.9624	<i>Rpl36-ps3(-188495),Fam49a(+461352)</i>	N/A
Chr12	111168225	111168225	Chr12.96241	<i>Taf9(-1647),4930595d1Brk(-16381)</i>	N/A
Chr12	111194012	111194123	Chr12.96256	<i>Amn(-77043),4930595d1Brk(-9577)</i>	N/A
Chr12	111204040	111204225	Chr12.96267	<i>Amn(-66978),4930595d1Brk(-19642)</i>	N/A
Chr12	12725038	12725541	Chr12.9628	<i>Rpl36-ps3(-166696),Fam49a(+463151)</i>	N/A
Chr12	111251979	111252114	Chr12.96308	<i>4930595d1Brk(-67558),Amn(-19064)</i>	N/A
Chr12	12738919	12739152	Chr12.9631	<i>Rpl36-ps3(-172950),Fam49a(+476997)</i>	N/A
Chr12	12753659	12754398	Chr12.9634	<i>Rpl36-ps3(-157862),Fam49a(+491885)</i>	N/A
Chr12	111262069	111262283	Chr12.96342	<i>4930595d1Brk(-77685),Amn(-8935)</i>	N/A
Chr12	12765751	12765850	Chr12.9643	<i>Rpl36-ps3(-146185),Fam49a(+503662)</i>	N/A
Chr12	12784177	12784440	Chr12.9658	<i>Rpl36-ps3(-127677),Fam49a(+522170)</i>	N/A
Chr12	111538105	111538245	Chr12.96699	<i>EIF5(+74)</i>	N/A
Chr12	111539691	111539891	Chr12.96703	<i>Mark3(-34964),EIF5(+1445)</i>	N/A
Chr12	111540937	111541065	Chr12.96707	<i>Mark3(-33509),EIF5(+2900)</i>	N/A
Chr12	12799413	12799520	Chr12.9674	<i>Rpl36-ps3(-112519),Fam49a(+537328)</i>	N/A
Chr12	111574396	111574514	Chr12.96742	<i>Mark3(-55)</i>	N/A
Chr12	12802084	12802251	Chr12.9677	<i>Rpl36-ps3(-109818),Fam49a(+540029)</i>	N/A
Chr12	11164627	111646917	Chr12.96782	<i>Ckb(+25686),Mark3(+7282)</i>	N/A
Chr12	12804226	128042657	Chr12.9680	<i>Rpl36-ps3(-109444),Fam49a(+540403)</i>	N/A
Chr12	111655738	111655841	Chr12.96808	<i>Ckb(+16548),Mark3(+81280)</i>	N/A
Chr12	12810470	12810928	Chr12.9685	<i>Rpl36-ps3(-101287),Fam49a(+548560)</i>	N/A
Chr12	12811066	12811306	Chr12.9691	<i>Rpl36-ps3(-100800),Fam49a(+549047)</i>	N/A
Chr12	12813000	12813101	Chr12.9699	<i>Rpl36-ps3(-98935),Fam49a(+550912)</i>	N/A
Chr12	111794307	111794545	Chr12.97005	<i>Xrcc3(+19415),Klc1(+35577)</i>	N/A
Chr12	12814648	12814912	Chr12.9701	<i>Rpl36-ps3(-97206),Fam49a(+552641)</i>	N/A
Chr12	111794608	111794710	Chr12.97011	<i>Xrcc3(+19182),Klc1(+35810)</i>	N/A
Chr12	111794778	111794919	Chr12.97016	<i>Xrcc3(+18992),Klc1(+36000)</i>	N/A
Chr12	111825531	111825638	Chr12.97093	<i>Zfyve21(+11415),Ppp1r13b(+82470)</i>	N/A
Chr12	12827968	12828142	Chr12.9714	<i>Rpl36-ps3(-83931),Fam49a(+565916)</i>	N/A
Chr12	12841150	12841380	Chr12.97122	<i>Rpl36-ps3(-70721),Fam49a(+579126)</i>	N/A
Chr12	11193695	111937123	Chr12.97259	<i>Ppp1r13b(-28999),Alp5mpl(+29923)</i>	N/A
Chr12	12842320	12842652	Chr12.9726	<i>Rpl36-ps3(-69500),Fam49a(+580347)</i>	N/A
Chr12	12850713	12851134	Chr12.9734	<i>Rpl36-ps3(-61062),Fam49a(+588785)</i>	N/A
Chr12	12154322	12154434	Chr12.97518	<i>Klf26a(+8143),AT30018c14rk(+268834)</i>	N/A
Chr12	12170592	12170743	Chr12.97545	<i>Klf26a(+24433),AT30018c14rk(+252544)</i>	N/A
Chr12	12877679	12877655	Chr12.9755	<i>Rpl36-ps3(-34169),Fam49a(+615678)</i>	N/A
Chr12	12171134	121711310	Chr12.97550	<i>Klf26a(+24987),AT30018c14rk(+251990)</i>	N/A
Chr12	12274843	12274964	Chr12.97700	<i>Klf26a(+128669),AT30018c14rk(+148308)</i>	N/A
Chr12	12277627	12277002	Chr12.97702	<i>Klf26a(+130630),AT30018c14rk(+146347)</i>	N/A
Chr12	12301817	123201966	Chr12.97713	<i>AT30018c14rk(+121300),Klf26a(+155657)</i>	N/A
Chr12	12404098	124044223	Chr12.97738	<i>AT30018c14rk(+19051),Klf26a(+257126)</i>	N/A
Chr12	12405982	12406180	Chr12.97739	<i>AT30018c14rk(+17131),Klf26a(+259846)</i>	N/A
Chr12	12904586	12904740	Chr12.9774	<i>Rpl36-ps3(-7323),Fam49a(+642524)</i>	N/A
Chr12	12905178	12905303	Chr12.9775	<i>Rpl36-ps3(-6745),Fam49a(+645102)</i>	N/A
Chr12	12429902	124230096	Chr12.97750	<i>A53001624rk(-59449),AT30018c14rk(-6787)</i>	N/A
Chr12	12464986	12465100	Chr12.97767	<i>AT30018c14rk(+14831),A53001624rk(-24405)</i>	N/A
Chr12	12472286	12472428	Chr12.97774	<i>AT30018c14rk(-49145),A53001624rk(-17091)</i>	N/A
Chr12	12906626	12906749	Chr12.9779	<i>Rpl36-ps3(-5298),Fam49a(+644549)</i>	N/A
Chr12	12907021	12907153	Chr12.9780	<i>Rpl36-ps3(-4899)</i>	N/A
Chr12	12910750	12911033	Chr12.9782	<i>Rpl36-ps3(-1094)</i>	N/A
Chr12	12911069	12911187	Chr12.9784	<i>Rpl36-ps3(-858)</i>	N/A
Chr12	12916577	12916682	Chr12.9789	<i>Rpl36-ps3(-4644),Mycn(+25284)</i>	N/A
Chr12	12932453	12932619	Chr12.9796	<i>Mycn(+8378),Rpl36-ps3(+20550)</i>	N/A
Chr12	12662606	12662765	Chr12.98004	<i>Akt1(+11590),Siva1(+17858)</i>	N/A
Chr12	12663901	12664040	Chr12.98007	<i>Akt1(+10305),Siva1(+19143)</i>	N/A
Chr12	12665582	12665806	Chr12.98008	<i>Akt1(+8582),Siva1(+20866)</i>	N/A
Chr12	12936322	12936812	Chr12.9819	<i>Mycn(+3446),Rpl36-ps3(+20480)</i>	N/A
Chr12	12786158	12786285	Chr12.98272	<i>Ahrak2(+16430),P54b(+25572)</i>	N/A
Chr12	12963558	12965486	Chr12.9855	<i>Mycn(-83508),Ddx1(+263791)</i>	N/A
Chr12	13026128	13026263	Chr12.9867	<i>Mycn(-84282),Ddx1(+223017)</i>	N/A
Chr12	11306478	113064910	Chr12.98716	<i>Tex22(-9653),Pacs2(+50341)</i>	N/A
Chr12	131317016	131317157	Chr12.98795	<i>Crip2(-3149)</i>	N/A
Chr12	13043078	13043233	Chr12.9883	<i>Mycn(-101242),Ddx1(+208057)</i>	N/A
Chr12	13043820	13044135	Chr12.9889	<i>Mycn(-102064),Ddx1(+205235)</i>	N/A
Chr12	13048403	13048524	Chr12.9897	<i>Mycn(-106550),Ddx1(+200749)</i>	N/A
Chr12	13048556	13048742	Chr12.9898	<i>Mycn(-106735),Ddx1(+200564)</i>	N/A
Chr12	13049578	13050058	Chr12.9901	<i>Mycn(-107904),Ddx1(+199395)</i>	N/A
Chr12	13056491	13056646	Chr12.9914	<i>Mycn(-114655),Ddx1(+192644)</i>	N/A
Chr12	13066770	13067210	Chr12.9916	<i>Mycn(-125076),Ddx1(+182223)</i>	N/A
Chr12	117025477	117025656	Chr12.99301	<i>Rapgef5(-490912),Plpm2(+539847)</i>	N/A
Chr12	117053263	117053626	Chr12.99311	<i>Rapgef5(-463034),Plpm2(+567725)</i>	N/A
Chr12	117054154	117054322	Chr12.99314	<i>Rapgef5(-462241),Plpm2(+568518)</i>	N/A
Chr12	117107098	117107569	Chr12.99317	<i>Rapgef5(-409145),Plpm2(+621614)</i>	N/A
Chr12	117115454	117115577	Chr12.99323	<i>Rapgef5(-409683),Plpm2(+629796)</i>	N/A
Chr12	13080673	13080830	Chr12.9933	<i>Mycn(-138838),Ddx1(+168461)</i>	N/A
Chr12	117152671	117152790	Chr12.99343	<i>Rapgef5(-363748),Plpm2(+667011)</i>	N/A
Chr12	117153619	117153879	Chr12.99349	<i>Rapgef5(-362730),Plpm2(+668029)</i>	N/A
Chr12	117156869	117157136	Chr12.99360	<i>Rapgef5(-359476),Plpm2(+671283)</i>	N/A
Chr12	117160426	117160967	Chr12.99364	<i>Rapgef5(-355782),Plpm2(+674977)</i>	N/A
Chr12	13086089	13086249	Chr12.9937	<i>Mycn(-144255),Ddx1(+163544)</i>	N/A
Chr12	13092425	13092659	Chr12.9938	<i>Mycn(-150628),Ddx1(+156671)</i>	N/A
Chr12	117176607	117176760	Chr12.99394	<i>Rapgef5(-339795),Plpm2(+690964)</i>	N/A
Chr12	117231966	117232067	Chr12.99435	<i>Rapgef5(-284462),Plpm2(+746297)</i>	N/A
Chr12	13100978	13101148	Chr12.9944	<i>Mycn(-159149),Ddx1(+148150)</i>	N/A
Chr12	117250089	117250216	Chr12.99462	<i>Rapgef5(-266326),Plpm2(+764433)</i>	N/A
Chr12	117250901	117250952	Chr12.99467	<i>Rapgef5(-265902),Plpm2(+764867)</i>	N/A
Chr12	117250738	117251023	Chr12.99469	<i>Rapgef5(-265598),Plpm2(+765161)</i>	N/A
Chr12	117257212	117257476	Chr12.99478	<i>Rapgef5(-259135),Plpm2(+771624)</i>	N/A
Chr12	117257580	117257679	Chr12.99485	<i>Rapgef5(-258849),Plpm2(+771910)</i>	N/A
Chr12	117304676	117304846	Chr12.99503	<i>Rapgef5(-217178),Plpm2(+819041)</i>	N/A
Chr12	117448191	117448310	Chr12.99525	<i>Rapgef5(-68228),Plpm2(+962531)</i>	N/A
Chr12	117486571	117486736	Chr12.99547	<i>Rapgef5(-29829)</i>	N/A
Chr12	117533310	117533442	Chr12.99617	<i>Cdca7l(-310139),Rapgef5(+16897)</i>	N/A
Chr12	13120785	13120906	Chr12.9963	<i>Mycn(-178932),Ddx1(+128367)</i>	N/A
Chr12	117626051	117626180	Chr12.99735	<i>Cdca7l(-217399),Rapgef5(+109637)</i>	N/A
Chr12	13129881	13129984	Chr12.9974	<i>Mycn(-186019),Ddx1(+119289)</i>	N/A
Chr12	117628309	117629453	Chr12.99744	<i>Cdca7l(-215134),Rapgef5(+111902)</i>	N/A
Chr12	117657841	117658046	Chr12.99762	<i>Cdca7l(-185571),Rapgef5(+141465)</i>	N/A
Chr12	117663777	117663883	Chr12.99779	<i>Cdca7l(-179685),Rapgef5(+147351)</i>	N/A
Chr12	13145502	13146030	Chr12.9982	<i>Mycn(-203852),Ddx1(+103447)</i>	N/A
Chr12	11768831	117688241	Chr12.99829	<i>Cdca7l(-154479),Rapgef5(+172557)</i>	N/A
Chr12	117689374	117689475	Chr12.99841	<i>Cdca7l(-154990),Rapgef5(+172945)</i>	N/A
Chr12	117721919	117722019	Chr12.99818	<i>Cdca7l(-121546),Rapgef5(+205490)</i>	N/A
Chr12	117728450	117728574	Chr12.99928	<i>Cdca7l(-115003),Rapgef5(+212033)</i>	N/A
Chr12	13158179	13158304	Chr12.9997	<i>Mycn(-216328),Ddx1(+90971)</i>	N/A
Chr12	18281730	18281834	Chr13.10000	<i>Vps41(-435510),Pou6f2(-109228)</i>	N/A
Chr13	18504412	18504685	Chr13.10031	<i>Pou6f2(-331945),Vps41(-212793)</i>	N/A
Chr13	18612582	18612893	Chr13.10076	<i>Pou6f2(-440184),Vps41(-104554)</i>	N/A
Chr13	5248849	5248965	Chr13.1057	<i>Klf6(-612582),Gm5444(+477258)</i>	N/A
Chr13	5276793	5276920	Chr13.1077	<i>Klf6(-584632),Gm5444(+505208)</i>	N/A
Chr13	19411957	19412117	Chr13.10931	<i>Stard3nl(-16285),Epdrl(+207793)</i>	N/A
Chr13	19428024	19428208	Chr13.10940	<i>Stard3nl(-32364),Epdrl(+191714)</i>	N/A
Chr13	19460812	19461021	Chr13.10967	<i>Stard3nl(-65165),Epdrl(+158913)</i>	N/A
Chr13	5348086	5348282	Chr13.1120	<i>Klf6(-513304),G</i>	

Chr13	20090094	20090284	Chr13.11305	Elmo1(-430)	N/A
Chr13	20109115	20109233	Chr13.11336	AoaH(-684945), Elmo1(+18555)	N/A
Chr13	20116539	20116673	Chr13.11353	AoaH(-677513), Elmo1(+25987)	N/A
Chr13	20116896	20117048	Chr13.11358	AoaH(-671747), Elmo1(+26353)	N/A
Chr13	20151351	20151654	Chr13.11379	AoaH(-642616), Elmo1(+80884)	N/A
Chr13	20174435	20174540	Chr13.11399	AoaH(-619631), Elmo1(+83869)	N/A
Chr13	20217667	20217777	Chr13.11429	AoaH(-576397), Elmo1(+127103)	N/A
Chr13	20217911	20218176	Chr13.11434	AoaH(-576075), Elmo1(+127425)	N/A
Chr13	20242213	20242492	Chr13.11448	AoaH(-551746), Elmo1(+151734)	N/A
Chr13	20288550	20288668	Chr13.11500	AoaH(-505510), Elmo1(+197090)	N/A
Chr13	20290540	20290724	Chr13.11506	AoaH(-503487), Elmo1(+200013)	N/A
Chr13	20472903	20473154	Chr13.11715	AoaH(-321090), Elmo1(+382410)	N/A
Chr13	20473196	20473316	Chr13.11718	AoaH(-320863), Elmo1(+382637)	N/A
Chr13	20473962	20474084	Chr13.11726	AoaH(-320096), Elmo1(+383404)	N/A
Chr13	20546977	20547138	Chr13.11815	AoaH(-247051), Elmo1(+456439)	N/A
Chr13	20931442	20931581	Chr13.12006	AoaH(+137393), Olf-1370(+141787)	N/A
Chr13	5729033	5729167	Chr13.1268	Klf6(-132389), Gm5444(+957451)	N/A
Chr13	21721441	21721810	Chr13.12695	H2bc14(-472)	N/A
Chr13	5803679	5803914	Chr13.1311	Klf6(-57692)	N/A
Chr13	23620743	23621049	Chr13.13246	H2bc6(-228)	N/A
Chr13	23622558	23622707	Chr13.13275	H2bc6(-1514), H1f4(-136)	N/A
Chr13	23622986	23623107	Chr13.13282	H2bc6(-1923), H1f4(-545)	N/A
Chr13	23738058	23738203	Chr13.13404	H1f2(-676)	N/A
Chr13	23746167	23746499	Chr13.13465	H2ac4(-4755), H3c3(-731), H2bc3(-401)	N/A
Chr13	5861220	5861388	Chr13.1362	Klf6(-185)	N/A
Chr13	5863468	5863684	Chr13.1383	Pitrm1(-68431), Klf6(+2237)	N/A
Chr13	24049518	24049721	Chr13.13949	Scgn(-58406), Camr1(+231175)	N/A
Chr13	5866171	5866294	Chr13.1403	Pitrm1(-681924), Klf6(+4744)	N/A
Chr13	24155229	24155338	Chr13.14055	Scgn(-164070), Camr1(+125511)	N/A
Chr13	24202397	24202639	Chr13.14080	Scgn(-211304), Camr1(+78277)	N/A
Chr13	2426873	24268648	Chr13.14093	Scgn(-273747), Camr1(+12234)	N/A
Chr13	24268886	24269018	Chr13.14097	Scgn(-277738), Camr1(+1543)	N/A
Chr13	5867228	5867524	Chr13.1410	Pitrm1(-680781), Klf6(+5887)	N/A
Chr13	24279942	24280055	Chr13.14103	Camr1(+796)	N/A
Chr13	24565955	24566209	Chr13.14181	Ripor2(-72566), Cmah(+238662)	N/A
Chr13	5868443	5868596	Chr13.1421	Pitrm1(-679637), Klf6(+7031)	N/A
Chr13	5868725	5868964	Chr13.1425	Pitrm1(-679312), Klf6(+7356)	N/A
Chr13	24655428	24655553	Chr13.14266	Ripor2(-16843), Gmnn(+106370)	N/A
Chr13	5869285	5869436	Chr13.1430	Pitrm1(-678796), Klf6(+7872)	N/A
Chr13	5869491	5869668	Chr13.1433	Pitrm1(-678577), Klf6(+8091)	N/A
Chr13	5869925	5870141	Chr13.1435	Pitrm1(-678124), Klf6(+8544)	N/A
Chr13	5871491	5871669	Chr13.1440	Pitrm1(-676577), Klf6(+10091)	N/A
Chr13	24801105	24801227	Chr13.14443	Bc005537(-491)	N/A
Chr13	24801573	24801705	Chr13.14447	Bc005537(-18)	N/A
Chr13	24802464	24802827	Chr13.14455	Bc005537(+989)	N/A
Chr13	25362477	25362750	Chr13.15147	Nsn1(-92532)	N/A
Chr13	25609612	25609868	Chr13.15359	Nsn1(-339658)	N/A
Chr13	25723286	25723447	Chr13.15413	Nsn1(-453286)	N/A
Chr13	25738584	25738954	Chr13.15429	Nsn1(-468687)	N/A
Chr13	25750946	25751394	Chr13.15449	Nsn1(-481088)	N/A
Chr13	25774847	25775178	Chr13.15480	Nsn1(-504931), Hdgf1(+995152)	N/A
Chr13	25793247	25793579	Chr13.15489	Nsn1(-523331), Hdgf1(+976752)	N/A
Chr13	25829472	25829600	Chr13.15522	Nsn1(-559454), Hdgf1(+940629)	N/A
Chr13	25839540	25839690	Chr13.15534	Nsn1(-569633), Hdgf1(+930559)	N/A
Chr13	25869677	25869817	Chr13.15546	Nsn1(-599665), Hdgf1(+900418)	N/A
Chr13	25930541	25930803	Chr13.15580	Nsn1(-660590), Hdgf1(+839493)	N/A
Chr13	25931976	25932145	Chr13.15583	Nsn1(-661979), Hdgf1(+838104)	N/A
Chr13	25932654	25932875	Chr13.15586	Nsn1(-662683), Hdgf1(+837400)	N/A
Chr13	25933080	25933198	Chr13.15595	Nsn1(-676307), Hdgf1(+837026)	N/A
Chr13	26080314	26080651	Chr13.15755	Nsn1(-810401), Hdgf1(+699682)	N/A
Chr13	26080925	26081120	Chr13.15761	Nsn1(-810941), Hdgf1(+689142)	N/A
Chr13	26119431	26119722	Chr13.15783	Nsn1(-849495), Hdgf1(+650588)	N/A
Chr13	26205515	26205691	Chr13.15830	Nsn1(-935521), Hdgf1(+564562)	N/A
Chr13	26283713	26284041	Chr13.15889	Hdgf1(+486288)	N/A
Chr13	26284113	26284233	Chr13.15895	Hdgf1(+489902)	N/A
Chr13	26318593	26318929	Chr13.15915	Hdgf1(+451404)	N/A
Chr13	26323976	26324142	Chr13.15924	Hdgf1(+446106)	N/A
Chr13	26554267	26554524	Chr13.16117	Hdgf1(+215789)	N/A
Chr13	26565585	26565741	Chr13.16135	Hdgf1(+204502)	N/A
Chr13	26566216	26566352	Chr13.16138	Hdgf1(+202889)	N/A
Chr13	26603463	26603642	Chr13.16186	Hdgf1(+166613)	N/A
Chr13	26699238	26699481	Chr13.16251	Hdgf1(+70805)	N/A
Chr13	26701435	26701564	Chr13.16260	Hdgf1(+68665)	N/A
Chr13	26745572	26745858	Chr13.16346	Hdgf1(+24450)	N/A
Chr13	6193208	6193363	Chr13.1638	Pitrm1(-354870), Klf6(+331798)	N/A
Chr13	26932862	26933220	Chr13.16516	Hdgf1(-162936), Prf(-124469)	N/A
Chr13	26933263	26933384	Chr13.16522	Hdgf1(-163159), Prf(-124246)	N/A
Chr13	26933857	26934223	Chr13.16529	Hdgf1(-163875), Prf(-123530)	N/A
Chr13	27031173	27031769	Chr13.16608	Hdgf1(-261306), Prf(-26099)	N/A
Chr13	28294956	28295167	Chr13.16690	PrfSa1(+152578), Sox4(+658851)	N/A
Chr13	28295655	28295834	Chr13.16693	PrfSa1(+153216), Sox4(+658013)	N/A
Chr13	28295984	28296107	Chr13.16695	PrfSa1(+153512), Sox4(+657717)	N/A
Chr13	28312519	28312744	Chr13.16709	PrfSa1(+170148), Sox4(+641081)	N/A
Chr13	28400975	28401222	Chr13.16740	PrfSa1(+258615), Sox4(+552614)	N/A
Chr13	28409579	28409750	Chr13.16749	PrfSa1(+267181), Sox4(+544048)	N/A
Chr13	28409829	28409951	Chr13.16752	PrfSa1(+267406), Sox4(+543823)	N/A
Chr13	28418522	28418750	Chr13.16786	PrfSa1(+276152), Sox4(+535077)	N/A
Chr13	28418940	28419184	Chr13.16789	PrfSa1(+276583), Sox4(+534646)	N/A
Chr13	28419217	28419364	Chr13.16791	PrfSa1(+276807), Sox4(+534422)	N/A
Chr13	28419956	28420185	Chr13.16800	PrfSa1(+277587), Sox4(+533642)	N/A
Chr13	28420248	28420552	Chr13.16804	PrfSa1(+277916), Sox4(+533313)	N/A
Chr13	28424755	28425075	Chr13.16813	PrfSa1(+282437), Sox4(+528798)	N/A
Chr13	28481440	28481719	Chr13.16876	PrfSa1(+339096), Sox4(+472123)	N/A
Chr13	28504167	28504498	Chr13.16902	PrfSa1(+361849), Sox4(+449380)	N/A
Chr13	28507846	28508105	Chr13.16907	PrfSa1(+365492), Sox4(+445737)	N/A
Chr13	28512728	28512861	Chr13.16914	PrfSa1(+370311), Sox4(+440918)	N/A
Chr13	28516770	28516956	Chr13.16923	PrfSa1(+374377), Sox4(+436850)	N/A
Chr13	28519857	28520049	Chr13.16930	PrfSa1(+377509), Sox4(+433720)	N/A
Chr13	28522085	28522220	Chr13.16935	PrfSa1(+377669), Sox4(+431560)	N/A
Chr13	28544515	28544718	Chr13.16961	PrfSa1(+402133), Sox4(+409096)	N/A
Chr13	28554843	28555103	Chr13.16976	Sox4(+398740), PrfSa1(+412489)	N/A
Chr13	28579345	28579482	Chr13.16997	Sox4(+374299), PrfSa1(+436930)	N/A
Chr13	28604025	28604311	Chr13.17027	Sox4(+349545), PrfSa1(+461684)	N/A
Chr13	28611939	28612086	Chr13.17039	Sox4(+341701), PrfSa1(+469519)	N/A
Chr13	28629263	28629465	Chr13.17049	Sox4(+324349), PrfSa1(+468680)	N/A
Chr13	28630134	28630250	Chr13.17058	Sox4(+323521), PrfSa1(+487708)	N/A
Chr13	28633919	28634058	Chr13.17068	Sox4(+319724), PrfSa1(+491505)	N/A
Chr13	28635205	28635616	Chr13.17069	Sox4(+318302), PrfSa1(+492927)	N/A
Chr13	28640026	28640222	Chr13.17073	Sox4(+313589), PrfSa1(+497640)	N/A
Chr13	28652401	28652627	Chr13.17081	Sox4(+301194), PrfSa1(+510045)	N/A
Chr13	28654875	28655245	Chr13.17089	Sox4(+298653), PrfSa1(+512576)	N/A
Chr13	28658945	28659294	Chr13.17097	Sox4(+294593), PrfSa1(+516636)	N/A
Chr13	28664846	28664840	Chr13.17125	Sox4(+285150), PrfSa1(+526079)	N/A
Chr13	28672021	28672226	Chr13.17142	Sox4(+281588), PrfSa1(+529641)	N/A
Chr13	28672538	28672644	Chr13.17145	Sox4(+281122), PrfSa1(+530107)	N/A
Chr13	28673801	28673903	Chr13.17149	Sox4(+279861), PrfSa1(+531368)	N/A
Chr13	28684498	28684646	Chr13.17156	Sox4(+269141), PrfSa1(+542088)	N/A
Chr13	28688700	28688856	Chr13.17164	Sox4(+264935), PrfSa1(+546294)	N/A
Chr13	28690715	28690833	Chr13.17167	Sox4(+262939), PrfSa1(+548290)	N/A
Chr13	28691040	28691284	Chr13.17170	Sox4(+262551), PrfSa1(+548678)	N/A
Chr13	28696181	28696383	Chr13.17189	Sox4(+257431), PrfSa1(+553728)	N/A
Chr13	28700489	28700619	Chr13.17198	Sox4(+253159), PrfSa1(+558070)	N/A
Chr13	28721719	28721822	Chr13.17236	Sox4(+231942), PrfSa1(+579287)	N/A
Chr13	28735124	28735279	Chr13.17260	Sox4(+218511), PrfSa1(+592718)	N/A
Chr13	28739892	28740137	Chr13.17267	Sox4(+213698), PrfSa1(+597531)	N/A
Chr13	28757231	28757345	Chr13.17280	Sox4(+196425), PrfSa1(+614964)	N/A
Chr13	28758597	28758822	Chr13.17301	Sox4(+195003), PrfSa1(+618226)	N/A
Chr13	28768726	28768832	Chr13.17313	Sox4(+184934), PrfSa1(+626295)	N/A
Chr13	28770389	28770824	Chr13.17321	Sox4(+183106), PrfSa1(+628123)	N/A
Chr13	28774478	28774711	Chr13.17330	Sox4(+179118), PrfSa1(+632111)	N/A
Chr13	28775241	28775596	Chr13.17336	Sox4(+176393), PrfSa1(+632936)	N/A
Chr13	28782298	28782405	Chr13.17345	Sox4(+171366), PrfSa1(+639853)	N/A
Chr13	28782864	28783047	Chr13.17349	Sox4(+170757), PrfSa1(+640472)	N/A
Chr13	28786915	28787151	Chr13.17360	Sox4(+166680), PrfSa1(+644549)	N/A
Chr13	28787368	28787502	Chr13.17365	Sox4(+166278), PrfSa1(+644951)	N/A
Chr13	28801491	28801702	Chr13.17388	Sox4(+152176), PrfSa1(+659113)	N/A
Chr13	28802168	28802319	Chr13.17392	Sox4(+151499), PrfSa1(+659750)	N/A
Chr13	28810532	28810827	Chr13.17402	Sox4(+143033), PrfSa1(+668196)	N/A

Chr13	28811228	28811428	Chr13.17406	<i>Sax4</i> (+142385), <i>Prf5a1</i> (+668844)	N/A
Chr13	28822386	28822598	Chr13.17419	<i>Sax4</i> (+131219), <i>Prf5a1</i> (+680010)	N/A
Chr13	28832896	28833022	Chr13.17424	<i>Sax4</i> (+120754), <i>Prf5a1</i> (+690475)	N/A
Chr13	28840304	28840375	Chr13.17429	<i>Sax4</i> (+113478), <i>Prf5a1</i> (+697515)	N/A
Chr13	28859820	28859987	Chr13.17444	<i>Sax4</i> (+93809), <i>Prf5a1</i> (+717420)	N/A
Chr13	28867177	28867369	Chr13.17448	<i>Sax4</i> (+86440), <i>Prf5a1</i> (+724789)	N/A
Chr13	28885230	28885367	Chr13.17469	<i>Sax4</i> (+68414), <i>Prf5a1</i> (+742815)	N/A
Chr13	288931924	288932044	Chr13.17507	<i>Sax4</i> (+21729), <i>Prf5a1</i> (+789500)	N/A
Chr13	28935821	28935936	Chr13.17513	<i>Sax4</i> (+17834), <i>Prf5a1</i> (+793395)	N/A
Chr13	28942072	28942243	Chr13.17517	<i>Sax4</i> (+11555), <i>Prf5a1</i> (+799674)	N/A
Chr13	28943014	28943161	Chr13.17528	<i>Sax4</i> (+10625), <i>Prf5a1</i> (+800604)	N/A
Chr13	28948898	28949033	Chr13.17534	<i>Sax4</i> (+4747), <i>Prf5a1</i> (+806482)	N/A
Chr13	28949344	28949579	Chr13.17536	<i>Sax4</i> (+4251), <i>Prf5a1</i> (+806978)	N/A
Chr13	28949789	28949947	Chr13.17538	<i>Sax4</i> (+3845), <i>Prf5a1</i> (+807384)	N/A
Chr13	28954862	28954922	Chr13.17540	<i>Sax4</i> (+3161), <i>Prf5a1</i> (+808068)	N/A
Chr13	28953439	28953568	Chr13.17553	<i>Sax4</i> (+209)	N/A
Chr13	28953621	28953921	Chr13.17554	<i>Sax4</i> (-58)	N/A
Chr13	28954154	28954391	Chr13.17556	<i>Sax4</i> (-560)	N/A
Chr13	28988843	28988979	Chr13.17584	<i>Sax4</i> (-35198), <i>Cdkal1</i> (+866763)	N/A
Chr13	28992151	28992309	Chr13.17590	<i>Sax4</i> (-38517), <i>Cdkal1</i> (+863444)	N/A
Chr13	29014440	29014575	Chr13.17610	<i>Sax4</i> (-60795), <i>Cdkal1</i> (+841166)	N/A
Chr13	29034564	29034754	Chr13.17646	<i>Sax4</i> (-80946), <i>Cdkal1</i> (+821015)	N/A
Chr13	29040431	29040619	Chr13.17654	<i>Sax4</i> (-86812), <i>Cdkal1</i> (+815149)	N/A
Chr13	29059724	29059834	Chr13.17687	<i>Sax4</i> (-100606), <i>Cdkal1</i> (+795895)	N/A
Chr13	29063916	29063928	Chr13.17688	<i>Sax4</i> (-110009), <i>Cdkal1</i> (+791952)	N/A
Chr13	29155499	29155607	Chr13.17748	<i>Sax4</i> (-201837), <i>Cdkal1</i> (+700124)	N/A
Chr13	29156872	29157045	Chr13.17756	<i>Sax4</i> (-203246), <i>Cdkal1</i> (+698715)	N/A
Chr13	29165074	29165378	Chr13.17760	<i>Sax4</i> (-211513), <i>Cdkal1</i> (+690448)	N/A
Chr13	29177898	29178059	Chr13.17771	<i>Sax4</i> (-224266), <i>Cdkal1</i> (+677695)	N/A
Chr13	29178624	29178733	Chr13.17776	<i>Sax4</i> (-224966), <i>Cdkal1</i> (+676995)	N/A
Chr13	29194796	29194966	Chr13.17805	<i>Sax4</i> (-241168), <i>Cdkal1</i> (+660753)	N/A
Chr13	29195415	29195538	Chr13.17811	<i>Sax4</i> (-241764), <i>Cdkal1</i> (+660197)	N/A
Chr13	29202717	29202847	Chr13.17821	<i>Sax4</i> (-249069), <i>Cdkal1</i> (+652892)	N/A
Chr13	29222224	29222440	Chr13.17841	<i>Sax4</i> (-268619), <i>Cdkal1</i> (+633342)	N/A
Chr13	29273970	29274081	Chr13.17883	<i>Sax4</i> (-320313), <i>Cdkal1</i> (+581648)	N/A
Chr13	29281863	29281794	Chr13.17903	<i>Sax4</i> (-328026), <i>Cdkal1</i> (+573935)	N/A
Chr13	29356169	29356359	Chr13.17969	<i>Sax4</i> (-402551), <i>Cdkal1</i> (+499410)	N/A
Chr13	29357817	29358030	Chr13.17974	<i>Sax4</i> (-404211), <i>Cdkal1</i> (+497750)	N/A
Chr13	29370978	29371158	Chr13.17993	<i>Sax4</i> (-417355), <i>Cdkal1</i> (+484606)	N/A
Chr13	29371189	29371404	Chr13.17995	<i>Sax4</i> (-417584), <i>Cdkal1</i> (+484377)	N/A
Chr13	29407495	29407739	Chr13.18053	<i>Sax4</i> (-453904), <i>Cdkal1</i> (+448057)	N/A
Chr13	29473911	29474030	Chr13.1807	<i>Pttm1</i> (-74186), <i>Klf8</i> (+12482)	N/A
Chr13	29475592	29475899	Chr13.18070	<i>Sax4</i> (-462028), <i>Cdkal1</i> (+439923)	N/A
Chr13	29476267	29476730	Chr13.18078	<i>Sax4</i> (-462786), <i>Cdkal1</i> (+439175)	N/A
Chr13	29476824	29477052	Chr13.18080	<i>Sax4</i> (-463225), <i>Cdkal1</i> (+438736)	N/A
Chr13	29477090	29477226	Chr13.18084	<i>Sax4</i> (-463445), <i>Cdkal1</i> (+438516)	N/A
Chr13	29478527	29478658	Chr13.18101	<i>Sax4</i> (-464880), <i>Cdkal1</i> (+417081)	N/A
Chr13	29505427	29505597	Chr13.18179	<i>Sax4</i> (-551797), <i>Cdkal1</i> (+335162)	N/A
Chr13	29555302	29555539	Chr13.18243	<i>Sax4</i> (-601708), <i>Cdkal1</i> (+300253)	N/A
Chr13	29580092	29580318	Chr13.18262	<i>Sax4</i> (-626492), <i>Cdkal1</i> (+275469)	N/A
Chr13	29604053	29604155	Chr13.18290	<i>Sax4</i> (-650391), <i>Cdkal1</i> (+251570)	N/A
Chr13	29619532	29619835	Chr13.18309	<i>Sax4</i> (-665971), <i>Cdkal1</i> (+235990)	N/A
Chr13	29622114	29622252	Chr13.18317	<i>Sax4</i> (-668470), <i>Cdkal1</i> (+233491)	N/A
Chr13	29628594	29628764	Chr13.18332	<i>Sax4</i> (-674966), <i>Cdkal1</i> (+226995)	N/A
Chr13	29637960	29638165	Chr13.18336	<i>Sax4</i> (-684350), <i>Cdkal1</i> (+217611)	N/A
Chr13	29715167	29715456	Chr13.18368	<i>Sax4</i> (-761599), <i>Cdkal1</i> (+140362)	N/A
Chr13	29737701	29737926	Chr13.18389	<i>Sax4</i> (-784101), <i>Cdkal1</i> (+117860)	N/A
Chr13	29746654	29746838	Chr13.18410	<i>Sax4</i> (-793033), <i>Cdkal1</i> (+108928)	N/A
Chr13	29747367	29747632	Chr13.18411	<i>Sax4</i> (-793787), <i>Cdkal1</i> (+108174)	N/A
Chr13	29759657	29777034	Chr13.18426	<i>Sax4</i> (-816133), <i>Cdkal1</i> (+85628)	N/A
Chr13	29773839	29774025	Chr13.18433	<i>Sax4</i> (-820219), <i>Cdkal1</i> (+81742)	N/A
Chr13	29823729	29823926	Chr13.18483	<i>Sax4</i> (-870115), <i>Cdkal1</i> (+31846)	N/A
Chr13	29831260	29831460	Chr13.18513	<i>Sax4</i> (-877647), <i>Cdkal1</i> (+24314)	N/A
Chr13	29940995	29941140	Chr13.18613	<i>Cdkal1</i> (-85394), <i>E2f3</i> (+44600)	N/A
Chr13	29945447	29945574	Chr13.18616	<i>Cdkal1</i> (-89837), <i>E2f3</i> (+40157)	N/A
Chr13	29957876	29958033	Chr13.18625	<i>Cdkal1</i> (-102281), <i>E2f3</i> (+27713)	N/A
Chr13	29974331	29974465	Chr13.18638	<i>Cdkal1</i> (-118724), <i>E2f3</i> (+11270)	N/A
Chr13	29982931	29983036	Chr13.18663	<i>Cdkal1</i> (-127310), <i>E2f3</i> (+2684)	N/A
Chr13	29983658	29983824	Chr13.18669	<i>Cdkal1</i> (-128067), <i>E2f3</i> (+1927)	N/A
Chr13	29985715	29986173	Chr13.18673	<i>E2f3</i> (-278)	N/A
Chr13	29988315	29988471	Chr13.18680	<i>E2f3</i> (-725)	N/A
Chr13	29986545	29986702	Chr13.18685	<i>E2f3</i> (-956)	N/A
Chr13	30067685	30067904	Chr13.18755	<i>E2f3</i> (-82127), <i>Mboat1</i> (-68703)	N/A
Chr13	30079056	30079277	Chr13.18761	<i>E2f3</i> (-93499), <i>Mboat1</i> (-57331)	N/A
Chr13	30270581	30270764	Chr13.18871	<i>Agtr1a</i> (-65768), <i>Mboat1</i> (+134175)	N/A
Chr13	30397604	30397778	Chr13.18944	<i>Agtr1a</i> (+61250), <i>Uqcrlf</i> (+147613)	N/A
Chr13	30479570	30479680	Chr13.19009	<i>Uqcrlf</i> (+65737), <i>Agtr1a</i> (+143184)	N/A
Chr13	30483153	30483269	Chr13.19011	<i>Uqcrlf</i> (+62151), <i>Agtr1a</i> (+146770)	N/A
Chr13	30691592	30691787	Chr13.19084	<i>Ifi4</i> (-57536), <i>Dusp22</i> (+31580)	N/A
Chr13	30792500	30792666	Chr13.19236	<i>Ifi4</i> (+43357), <i>Hus1b</i> (+155176)	N/A
Chr13	30891279	30891408	Chr13.19340	<i>Hus1b</i> (+56415), <i>Ifi4</i> (+42118)	N/A
Chr13	30907702	30907812	Chr13.19380	<i>Hus1b</i> (+40002), <i>Ifi4</i> (+158531)	N/A
Chr13	30911390	30913549	Chr13.19379	<i>Hus1b</i> (+34289), <i>Ifi4</i> (+164244)	N/A
Chr13	30966480	30966590	Chr13.19427	<i>Exoc2</i> (-16237), <i>Gm5447</i> (-7669)	N/A
Chr13	30966994	30967158	Chr13.19434	<i>Exoc2</i> (-16778), <i>Gm5447</i> (-7128)	N/A
Chr13	30985997	30985880	Chr13.19457	<i>Foxq1</i> (-572381), <i>Gm5447</i> (+11585)	N/A
Chr13	30990158	30990440	Chr13.19460	<i>Foxq1</i> (-567871), <i>Gm5447</i> (+16099)	N/A
Chr13	30994615	30994759	Chr13.19466	<i>Foxq1</i> (-563483), <i>Gm5447</i> (+20483)	N/A
Chr13	31021991	31022118	Chr13.19500	<i>Foxq1</i> (-536115), <i>Gm5447</i> (+47851)	N/A
Chr13	31022195	31022572	Chr13.19503	<i>Foxq1</i> (-535786), <i>Gm5447</i> (+48180)	N/A
Chr13	31206354	31206486	Chr13.19645	<i>Foxq1</i> (-351750), <i>Gm5447</i> (+232216)	N/A
Chr13	31309221	31309379	Chr13.19698	<i>Foxq1</i> (-248870), <i>Gm5447</i> (+335096)	N/A
Chr13	31313944	31313944	Chr13.19700	<i>Foxq1</i> (-244306), <i>Gm5447</i> (+336965)	N/A
Chr13	31408837	31409042	Chr13.19746	<i>Foxq1</i> (-149230), <i>Gm5447</i> (+434736)	N/A
Chr13	31506856	31507028	Chr13.19809	<i>Foxq1</i> (-51228), <i>Gm5447</i> (+532738)	N/A
Chr13	31558218	31558320	Chr13.19838	<i>Foxq1</i> (+99)	N/A
Chr13	31619054	31619220	Chr13.19908	<i>A330084c06nk</i> (-59804), <i>Foxf2</i> (-6679)	N/A
Chr13	31620186	31620401	Chr13.19910	<i>A330084c06nk</i> (-60902), <i>Foxf2</i> (-5521)	N/A
Chr13	31623864	31624166	Chr13.19920	<i>Foxf2</i> (-1801)	N/A
Chr13	31628355	31628523	Chr13.19938	<i>Foxc1</i> (-178207), <i>Foxf2</i> (+2623)	N/A
Chr13	31642472	31642583	Chr13.19956	<i>Foxc1</i> (-164118), <i>Foxf2</i> (+16712)	N/A
Chr13	31809044	31809202	Chr13.20078	<i>Foxc1</i> (+2477), <i>Gmds</i> (+529589)	N/A
Chr13	31809311	31809695	Chr13.20082	<i>Foxc1</i> (+2807), <i>Gmds</i> (+529259)	N/A
Chr13	31810306	31810669	Chr13.20087	<i>Foxc1</i> (+3857), <i>Gmds</i> (+528209)	N/A
Chr13	31814107	31814209	Chr13.20096	<i>Foxc1</i> (+7512), <i>Gmds</i> (+524554)	N/A
Chr13	31822449	31822732	Chr13.20115	<i>Foxc1</i> (+15945), <i>Gmds</i> (+516121)	N/A
Chr13	31824241	31824349	Chr13.20122	<i>Foxc1</i> (+17649), <i>Gmds</i> (+514417)	N/A
Chr13	31859707	31859807	Chr13.20185	<i>Foxc1</i> (+53111), <i>Gmds</i> (+478955)	N/A
Chr13	31863531	31863641	Chr13.20189	<i>Foxc1</i> (+56840), <i>Gmds</i> (+475126)	N/A
Chr13	31877273	31877386	Chr13.20186	<i>Foxc1</i> (+70894), <i>Gmds</i> (+481882)	N/A
Chr13	31911558	31911710	Chr13.20220	<i>Foxc1</i> (+104988), <i>Gmds</i> (+427078)	N/A
Chr13	31915852	31915978	Chr13.20238	<i>Foxc1</i> (+109269), <i>Gmds</i> (+422797)	N/A
Chr13	31943979	31944211	Chr13.20255	<i>Foxc1</i> (+137449), <i>Gmds</i> (+394617)	N/A
Chr13	31955195	31955434	Chr13.20274	<i>Foxc1</i> (+148669), <i>Gmds</i> (+363397)	N/A
Chr13	31958759	31958948	Chr13.20287	<i>Foxc1</i> (+152208), <i>Gmds</i> (+379859)	N/A
Chr13	31960545	31960982	Chr13.20292	<i>Foxc1</i> (+154118), <i>Gmds</i> (+377948)	N/A
Chr13	31967116	31967347	Chr13.20302	<i>Foxc1</i> (+160586), <i>Gmds</i> (+371480)	N/A
Chr13	31971405	31971674	Chr13.20312	<i>Foxc1</i> (+164894), <i>Gmds</i> (+367172)	N/A
Chr13	31975270	31975404	Chr13.20317	<i>Foxc1</i> (+168891), <i>Gmds</i> (+363375)	N/A
Chr13	31975404	31992822	Chr13.20339	<i>Foxc1</i> (+189979), <i>Gmds</i> (+346087)	N/A
Chr13	31993066	31993373	Chr13.20344	<i>Foxc1</i> (+186574), <i>Gmds</i> (+345492)	N/A
Chr13	31993430	31993652	Chr13.20348	<i>Foxc1</i> (+186895), <i>Gmds</i> (+345171)	N/A
Chr13	32005755	32005898	Chr13.20364	<i>Foxc1</i> (+199181), <i>Gmds</i> (+332885)	N/A
Chr13	32008539	32008824	Chr13.20370	<i>Foxc1</i> (+202036), <i>Gmds</i> (+330030)	N/A
Chr13	32008957	32009171	Chr13.20375	<i>Foxc1</i> (+202418), <i>Gmds</i> (+329648)	N/A
Chr13	32009352	32009455	Chr13.20378	<i>Foxc1</i> (+202758), <i>Gmds</i> (+329326)	N/A
Chr13	32018991	32019192	Chr13.20380	<i>Foxc1</i> (+215448), <i>Gmds</i> (+319620)	N/A
Chr13	32019231	32019528	Chr13.20385	<i>Foxc1</i> (+212734), <i>Gmds</i> (+319332)	N/A
Chr13	32024729	32024936	Chr13.20405	<i>Foxc1</i> (+218187), <i>Gmds</i> (+313879)	N/A
Chr13	32025009	32025292	Chr13.20408	<i>Foxc1</i> (+218505), <i>Gmds</i> (+313561)	N/A
Chr13	32027377	32027557	Chr13.20419	<i>Foxc1</i> (+220821), <i>Gmds</i> (+311248)	N/A
Chr13	32034333	32034599	Chr13.20435		

Chr13	32213041	32213226	Chr13.20680	Gmde(+125578),Foxc1(+406488)	N/A
Chr13	32213702	32213897	Chr13.20684	Gmde(+124912),Foxc1(+407154)	N/A
Chr13	32213948	32214206	Chr13.20685	Gmde(+124635),Foxc1(+407431)	N/A
Chr13	32228081	32232614	Chr13.20719	Gmde(+110564),Foxc1(+421502)	N/A
Chr13	32267377	32267897	Chr13.20778	Gmde(+71075),Foxc1(+460991)	N/A
Chr13	32411592	32411735	Chr13.20854	Gmde(+72952),Myik4(+370115)	N/A
Chr13	32448816	32449023	Chr13.20894	Gmde(+110208),Myik4(+332859)	N/A
Chr13	32450062	32450210	Chr13.20902	Gmde(+111424),Myik4(+331643)	N/A
Chr13	32456281	32456480	Chr13.20916	Gmde(+119669),Myik4(+323398)	N/A
Chr13	32480004	32480455	Chr13.20938	Gmde(+141518),Myik4(+301549)	N/A
Chr13	32495342	32495445	Chr13.20990	Gmde(+156682),Myik4(+286385)	N/A
Chr13	32501577	32501898	Chr13.21009	Gmde(+163026),Myik4(+280041)	N/A
Chr13	32518398	32518707	Chr13.21027	Gmde(+179841),Myik4(+263226)	N/A
Chr13	32518976	32519179	Chr13.21035	Gmde(+180366),Myik4(+262701)	N/A
Chr13	32547217	32547462	Chr13.21066	Gmde(+208628),Myik4(+234439)	N/A
Chr13	32553238	32553449	Chr13.21075	Gmde(+214632),Myik4(+228435)	N/A
Chr13	32553750	32553928	Chr13.21081	Gmde(+215127),Myik4(+227940)	N/A
Chr13	32611603	32611765	Chr13.21112	Gmde(+272972),Myik4(+170095)	N/A
Chr13	32611962	32612266	Chr13.21119	Gmde(+273402),Myik4(+169665)	N/A
Chr13	32613838	32614013	Chr13.21129	Gmde(+275214),Myik4(+167853)	N/A
Chr13	32615489	32615666	Chr13.21133	Gmde(+276860),Myik4(+166201)	N/A
Chr13	32630357	32630464	Chr13.21146	Gmde(+291699),Myik4(+151368)	N/A
Chr13	32649620	32649792	Chr13.21158	Gmde(+310994),Myik4(+132073)	N/A
Chr13	32650058	32650455	Chr13.21162	Gmde(+311545),Myik4(+131522)	N/A
Chr13	32668234	32668423	Chr13.21173	Gmde(+329617),Myik4(+113450)	N/A
Chr13	32705144	32705316	Chr13.21208	Gmde(+366518),Myik4(+785544)	N/A
Chr13	32760985	32761126	Chr13.21311	Gmde(+422344),Myik4(+20723)	N/A
Chr13	6985445	6985697	Chr13.2216	Prkp(-336794)	N/A
Chr13	34087071	34087360	Chr13.22346	Tubb2a(-9208),Tubb2b(+43138)	N/A
Chr13	34088538	34088652	Chr13.22356	Tubb2a(-10587),Tubb2b(+41759)	N/A
Chr13	34088916	34089032	Chr13.22360	Tubb2a(-10968),Tubb2b(+41350)	N/A
Chr13	34726368	34726492	Chr13.22604	Pdx1(-173759),Fam50b(+9429)	N/A
Chr13	34800999	34801129	Chr13.22648	Prpf4b(-74430),Fam50b(+66214)	N/A
Chr13	34816660	34816840	Chr13.22657	Prpf4b(-58744),Fam50b(+81900)	N/A
Chr13	34898306	34898538	Chr13.22702	Fam217a(+21570),Prpf4b(+22928)	N/A
Chr13	35192039	35192153	Chr13.22877	Cady1(-467766),Eciz1(-197952)	N/A
Chr13	35805644	35805799	Chr13.22971	Rps4q(-100837),Cdy1(+145809)	N/A
Chr13	36737116	3673880	Chr13.2330	Asb13(-30766),Calm3(+130520)	N/A
Chr13	36282833	36282949	Chr13.23256	Fars2(+165480),Nm1(+451586)	N/A
Chr13	36283022	36283155	Chr13.23258	Fars2(+165678),Nm1(+451388)	N/A
Chr13	36283262	36283946	Chr13.23261	Fars2(+166193),Nm1(+450873)	N/A
Chr13	36500647	36500838	Chr13.23435	Nm1(+233734),Fars2(+383332)	N/A
Chr13	36538512	36538640	Chr13.23475	Nm1(+195901),Fars2(+421165)	N/A
Chr13	36583744	36583940	Chr13.23500	Nm1(+150635),Fars2(+466431)	N/A
Chr13	36724661	36724821	Chr13.23563	Nm1(+9736),Fars2(+607330)	N/A
Chr13	36726315	36726420	Chr13.23575	Nm1(+8109),Fars2(+608957)	N/A
Chr13	36726469	36726596	Chr13.23576	Nm1(+7944),Fars2(+609122)	N/A
Chr13	36734227	36734416	Chr13.23600	Nm1(+155)	N/A
Chr13	3694486	3694484	Chr13.238	Asb13(+60553),Calm3(+109733)	N/A
Chr13	37081724	37081850	Chr13.23919	Ly8b(-263558),F13a1(-32574)	N/A
Chr13	37130766	37130875	Chr13.23947	Ly8b(-214524),F13a1(-81608)	N/A
Chr13	37250232	37250480	Chr13.23988	F13a1(-201143),Ly8b(-94989)	N/A
Chr13	37388754	37388886	Chr13.24056	Rreb1(-437495),Ly8b(+34475)	N/A
Chr13	37434298	37434402	Chr13.24075	Rreb1(-391965),Ly8b(-98005)	N/A
Chr13	37492332	37492591	Chr13.24104	Rreb1(-333853),Ly8b(+147117)	N/A
Chr13	37505752	37505855	Chr13.24113	Rreb1(-320511),Ly8b(+160459)	N/A
Chr13	37514358	37514533	Chr13.24120	Rreb1(-311869),Ly8b(+169101)	N/A
Chr13	37517472	37517640	Chr13.24126	Rreb1(-308759),Ly8b(+172211)	N/A
Chr13	37561659	37561763	Chr13.24139	Rreb1(-264604),Ly8b(+216368)	N/A
Chr13	37562291	37562422	Chr13.24145	Rreb1(-263688),Ly8b(+217012)	N/A
Chr13	37629098	37629236	Chr13.24174	Rreb1(-197148),Ly8b(+283822)	N/A
Chr13	37657512	37657630	Chr13.24193	Rreb1(-168744),Ly8b(+312226)	N/A
Chr13	3695244	3695244	Chr13.242	Asb13(+61112),Calm3(+109174)	N/A
Chr13	37676542	37676677	Chr13.24204	Rreb1(-149705),Ly8b(-331265)	N/A
Chr13	37761776	37761928	Chr13.24243	Rreb1(-644643),Ly8b(+416807)	N/A
Chr13	37778978	37779288	Chr13.24254	Rreb1(-47182),Ly8b(+433788)	N/A
Chr13	37825075	37825183	Chr13.24300	Rreb1(-1186)	N/A
Chr13	37827854	37828049	Chr13.24304	Rreb1(+1637),Sarl(+166238)	N/A
Chr13	37831148	37831270	Chr13.24320	Rreb1(+4894),Sarl(+162981)	N/A
Chr13	37831990	37832098	Chr13.24323	Rreb1(+5729),Sarl(+162146)	N/A
Chr13	37854778	37855182	Chr13.24341	Rreb1(+28663),Sarl(+139210)	N/A
Chr13	37855803	37856046	Chr13.24347	Rreb1(+29610),Sarl(+138265)	N/A
Chr13	37860035	37860238	Chr13.24353	Rreb1(+33822),Sarl(+134053)	N/A
Chr13	37861858	37861994	Chr13.24361	Rreb1(+35611),Sarl(+132264)	N/A
Chr13	37863819	37863960	Chr13.24369	Rreb1(+37575),Sarl(+130300)	N/A
Chr13	37869903	37867025	Chr13.24374	Rreb1(+40649),Sarl(+127286)	N/A
Chr13	37885591	37885702	Chr13.24407	Rreb1(+59332),Sarl(+108543)	N/A
Chr13	37908202	37908324	Chr13.24451	Rreb1(+81948),Sarl(+85927)	N/A
Chr13	37918858	37919013	Chr13.24468	Sarl(+75254),Rreb1(+92621)	N/A
Chr13	37949419	37949588	Chr13.24582	Sarl(+44686),Rreb1(+123189)	N/A
Chr13	38123784	38124021	Chr13.24743	Dsp(-2713),Rsk1(+86914)	N/A
Chr13	38145067	38145203	Chr13.24757	Dsp(-6213),Rsk1(+108146)	N/A
Chr13	38156663	38156771	Chr13.24767	Gm10129(-4925)	N/A
Chr13	38162915	38163025	Chr13.24774	Snmpl48(-41969),Gm10129(-11178)	N/A
Chr13	38171005	38171105	Chr13.24796	Snmpl48(-33884),Gm10129(-19263)	N/A
Chr13	38288946	38288981	Chr13.25097	Bmp6(-56802),Snmpl48(+83975)	N/A
Chr13	38289172	38289306	Chr13.25103	Bmp6(-56477),Snmpl48(+84300)	N/A
Chr13	38289516	38289824	Chr13.25107	Bmp6(-56046),Snmpl48(+84731)	N/A
Chr13	38310130	38310248	Chr13.25125	Bmp6(-35527),Snmpl48(+105250)	N/A
Chr13	38319948	38320119	Chr13.25133	Bmp6(-25682),Snmpl48(+115095)	N/A
Chr13	38320304	38320526	Chr13.25135	Bmp6(-25301),Snmpl48(+115476)	N/A
Chr13	38344986	38345143	Chr13.25153	Bmp6(-631)	N/A
Chr13	38347261	38347386	Chr13.25168	Bmp6(+1608),Txndc5(+181166)	N/A
Chr13	38393579	38393749	Chr13.25237	Bmp6(+47948),Txndc5(+134826)	N/A
Chr13	38408822	38409081	Chr13.25240	Bmp6(+63236),Txndc5(+119538)	N/A
Chr13	38410481	38410663	Chr13.25248	Bmp6(+64856),Txndc5(+117918)	N/A
Chr13	38433574	38433910	Chr13.25289	Bmp6(+88026),Txndc5(+94748)	N/A
Chr13	38450865	38451116	Chr13.25299	Txndc5(+77489),Bmp6(+105255)	N/A
Chr13	3709349	3709555	Chr13.254	Asb13(-75420),Calm3(+94866)	N/A
Chr13	38545286	38545412	Chr13.25462	Txndc5(-16859),Bloc1s5(+89760)	N/A
Chr13	38580023	38580197	Chr13.25478	Txndc5(-51620),Bloc1s5(+54999)	N/A
Chr13	38593183	38593787	Chr13.25499	Txndc5(-64995),Bloc1s5(+41624)	N/A
Chr13	38756359	38756651	Chr13.25690	Eef1e1(-97427),Slc35b3(+204420)	N/A
Chr13	38815014	38815198	Chr13.25772	Eef1e1(-156078),Slc35b3(+45769)	N/A
Chr13	38862613	38862722	Chr13.25828	Eef1e1(-233640),Slc35b3(+68207)	N/A
Chr13	38918553	38918723	Chr13.25844	Eef1e1(-259610),Slc35b3(+42237)	N/A
Chr13	3712701	3712814	Chr13.259	Asb13(+78726),Calm3(+91560)	N/A
Chr13	39084704	39084833	Chr13.25964	Slc35b3(-123894)	N/A
Chr13	39104801	39105080	Chr13.25992	Slc35b3(-144068)	N/A
Chr13	39172397	39172606	Chr13.26075	Slc35b3(-211627)	N/A
Chr13	39211348	39211457	Chr13.26120	Slc35b3(-250528)	N/A
Chr13	39287846	39288062	Chr13.26195	Slc35b3(-326979)	N/A
Chr13	39309782	39309915	Chr13.26225	Slc35b3(-348974),Ofcc1(+978162)	N/A
Chr13	3724466	3724579	Chr13.263	Calm3(+79739),Asb13(+94941)	N/A
Chr13	39538042	39538209	Chr13.26448	Slc35b3(-577251),Ofcc1(+749888)	N/A
Chr13	39538252	39538536	Chr13.26451	Slc35b3(-577519),Ofcc1(+749617)	N/A
Chr13	39571002	39571113	Chr13.26492	Slc35b3(-610183),Ofcc1(+716953)	N/A
Chr13	39649541	39649808	Chr13.26570	Slc35b3(-688800),Ofcc1(+638336)	N/A
Chr13	39823677	39824218	Chr13.26671	Slc35b3(-863073),Ofcc1(+464063)	N/A
Chr13	3730462	3730630	Chr13.267	Calm3(+73762),Asb13(+96554)	N/A
Chr13	39899204	39899438	Chr13.26797	Slc35b3(-938448),Ofcc1(+388960)	N/A
Chr13	39922945	39923087	Chr13.26841	Slc35b3(-962411),Ofcc1(+364995)	N/A
Chr13	39979690	39979925	Chr13.26894	Ofcc1(+308203)	N/A
Chr13	40167984	40168256	Chr13.27154	Ofcc1(+119889)	N/A
Chr13	40285433	40285704	Chr13.27289	Ofcc1(+2442)	N/A
Chr13	40287286	40287851	Chr13.27300	Ofcc1(+442)	N/A
Chr13	40287898	40288042	Chr13.27308	Ofcc1(+41)	N/A
Chr13	40290911	40291086	Chr13.27314	Ofcc1(-2988)	N/A
Chr13	40388280	40388431	Chr13.27403	Gm9979(-315649),Ofcc1(-100345)	N/A
Chr13	40480791	40481091	Chr13.27513	Gm9979(-223064),Ofcc1(-192930)	N/A
Chr13	40518363	40518486	Chr13.27556	Ofcc1(-230414),Gm9979(-185580)	N/A
Chr13	40519894	40519792	Chr13.27562	Ofcc1(-230727),Gm9979(-185267)	N/A
Chr13	40561773	40561897	Chr13.27591	Ofcc1(-273824),Gm9979(-142170)	N/A
Chr13	40606537	40606919	Chr13.27626	Ofcc1(-318717),Gm9979(-97277)	N/A
Chr13	40609668	40607270	Chr13.27632	Ofcc1(-319108),Gm9979(-96886)	N/A
Chr13	40649788	40650182	Chr13.27682	Ofcc1(-361974),Gm9979(-54020)	N/A
Chr13	40651054	40651294	Chr13.27690	Ofcc1(-363163),Gm9979(-52831)	N/A
Chr13	40651326	40651434	Chr13.27693	Ofcc1(-363369),Gm9979(-52625)	N/A

Chr13	40703421	40703778	Chr13.27747	Gm9979(-405)	N/A
Chr13	40704122	40704309	Chr13.27754	Gm9979(+211)	N/A
Chr13	40704503	40704709	Chr13.27755	Gm9979(+801)	N/A
Chr13	40705970	40706003	Chr13.27764	Gm9979(+2027),Tfap2a(+27791)	N/A
Chr13	40709001	40709290	Chr13.27778	Gm9979(+5141),Tfap2a(+24677)	N/A
Chr13	40712364	40712593	Chr13.27791	Gm9979(+8474),Tfap2a(+21344)	N/A
Chr13	40714315	40714465	Chr13.27799	Gm9979(+10385),Tfap2a(+19433)	N/A
Chr13	40718380	40718587	Chr13.27817	Gm9979(+14479),Tfap2a(+15339)	N/A
Chr13	40719810	40719997	Chr13.27822	Tfap2a(+14019),Gm9979(+15799)	N/A
Chr13	40720746	40720884	Chr13.27823	Tfap2a(+12958),Gm9979(+16860)	N/A
Chr13	40721831	40721949	Chr13.27827	Tfap2a(+11933),Gm9979(+17885)	N/A
Chr13	40724995	40725241	Chr13.27836	Tfap2a(+8705),Gm9979(+21113)	N/A
Chr13	40725948	40726678	Chr13.27840	Tfap2a(+7510),Gm9979(+22308)	N/A
Chr13	40727139	40727462	Chr13.27842	Tfap2a(+6522),Gm9979(+23296)	N/A
Chr13	40727858	40727858	Chr13.27843	Tfap2a(+6145),Gm9979(+23673)	N/A
Chr13	40730168	40730387	Chr13.27855	Tfap2a(+3545),Gm9979(+26273)	N/A
Chr13	40730563	40730702	Chr13.27859	Tfap2a(+3190),Gm9979(+26628)	N/A
Chr13	40731642	40731880	Chr13.27863	Tfap2a(+2062),Gm9979(+27756)	N/A
Chr13	40733933	40734114	Chr13.27875	Tfap2a(-201)	N/A
Chr13	40734873	40734986	Chr13.27882	Tfap2a(-1107)	N/A
Chr13	40739081	40739260	Chr13.27893	Gcnt2(-147587),Tfap2a(-5348)	N/A
Chr13	40859763	40859927	Chr13.27945	Tfap2a(-126022),Gcnt2(-26913)	N/A
Chr13	40861107	40861279	Chr13.27983	Tfap2a(-127370),Gcnt2(-25565)	N/A
Chr13	40887567	40887890	Chr13.27997	Gcnt2(+971)	N/A
Chr13	40890744	40890888	Chr13.28030	Pak1p1(-110208),Gcnt2(+4057)	N/A
Chr13	41303169	41303280	Chr13.28427	Smm13(+53385),Nedd9(+194098)	N/A
Chr13	37995054	37995653	Chr13.285	Calm13(+4739),Asb13(+165547)	N/A
Chr13	41320645	41320779	Chr13.28530	Smm13(+70852),Nedd9(+166608)	N/A
Chr13	41321439	41321609	Chr13.28541	Smm13(+71664),Nedd9(+165796)	N/A
Chr13	41331910	41332019	Chr13.28568	Smm13(+82105),Nedd9(+155355)	N/A
Chr13	41336219	41336331	Chr13.28574	Smm13(+86415),Nedd9(+151049)	N/A
Chr13	41339098	41339228	Chr13.28594	Smm13(+89303),Nedd9(+149157)	N/A
Chr13	41352572	41352682	Chr13.28633	Smm13(+102767),Nedd9(+134693)	N/A
Chr13	41359041	41359141	Chr13.28652	Smm13(+109231),Nedd9(+128229)	N/A
Chr13	41359273	41359437	Chr13.28657	Smm13(+109495),Nedd9(+127965)	N/A
Chr13	41371526	41371894	Chr13.28679	Nedd9(+115610),Smm13(+121850)	N/A
Chr13	41385442	41386805	Chr13.28697	Nedd9(+100646),Smm13(+136814)	N/A
Chr13	41420747	41420847	Chr13.28731	Nedd9(+66523),Smm13(+170937)	N/A
Chr13	41451077	41451240	Chr13.28769	Nedd9(+36161),Smm13(+201299)	N/A
Chr13	41453652	41453798	Chr13.28775	Nedd9(+33595),Smm13(+203865)	N/A
Chr13	41461458	41461784	Chr13.28782	Nedd9(+25699),Smm13(+211761)	N/A
Chr13	41466786	41466978	Chr13.28790	Nedd9(+20436),Smm13(+217022)	N/A
Chr13	41511656	41511867	Chr13.28837	Tmem170b(-94454),Nedd9(+24442)	N/A
Chr13	41564842	41564943	Chr13.28883	Nedd9(-77573),Tmem170b(-41323)	N/A
Chr13	41582843	41582954	Chr13.28892	Nedd9(-95579),Tmem170b(-23317)	N/A
Chr13	41643804	41643932	Chr13.28930	Gm5082(-11829),Tmem170b(+37652)	N/A
Chr13	41662398	41662744	Chr13.28960	Gm5082(+6874),Adtp(+184917)	N/A
Chr13	41670615	41670716	Chr13.28969	Gm5082(+14969),Adtp(+176822)	N/A
Chr13	41676933	41677091	Chr13.28981	Gm5082(+21315),Adtp(+170476)	N/A
Chr13	41689721	41689875	Chr13.28988	Gm5082(+34101),Adtp(+157690)	N/A
Chr13	41703859	41704060	Chr13.29000	Gm5082(+48263),Adtp(+143528)	N/A
Chr13	41856518	41856668	Chr13.29120	Hvep1(-195428),Adtp(-9105)	N/A
Chr13	41872198	41872466	Chr13.29134	Hvep1(-179689),Adtp(-24844)	N/A
Chr13	42203624	42203795	Chr13.29237	Adtp(-169222),Hvep1(-15311)	N/A
Chr13	42204927	42204980	Chr13.29251	Hvep1(-2672)	N/A
Chr13	42051313	42051442	Chr13.29261	Hvep1(-643)	N/A
Chr13	42052827	42053031	Chr13.29268	Hvep1(+908)	N/A
Chr13	42103017	42103327	Chr13.29286	Edn1(-198098),Hvep1(+51151)	N/A
Chr13	42192104	42192293	Chr13.29670	Edn1(-109071),Hvep1(+140178)	N/A
Chr13	42298496	42298707	Chr13.29638	Edn1(-2668)	N/A
Chr13	42301232	42301365	Chr13.29643	Edn1(+29)	N/A
Chr13	42301407	42301627	Chr13.29646	Edn1(+247)	N/A
Chr13	42302299	42302493	Chr13.29649	Phactr1(-380302),Edn1(+1126)	N/A
Chr13	42307337	42307337	Chr13.29675	Phactr1(-375412),Edn1(+6016)	N/A
Chr13	42307584	42307502	Chr13.29677	Phactr1(-375355),Edn1(+6173)	N/A
Chr13	42526072	42526252	Chr13.29852	Phactr1(-156536),Edn1(+224892)	N/A
Chr13	42565446	42565662	Chr13.29906	Phactr1(-171744),Edn1(+264284)	N/A
Chr13	42565885	42566018	Chr13.29919	Phactr1(-116746),Edn1(+264682)	N/A
Chr13	42576179	42576338	Chr13.29928	Phactr1(-106439),Edn1(+274989)	N/A
Chr13	42719543	42719646	Chr13.30065	Phactr1(+36897),Tbc1d7(+451906)	N/A
Chr13	42757795	42758059	Chr13.30110	Phactr1(-752229),Tbc1d7(+41357)	N/A
Chr13	42925980	42925908	Chr13.30251	Tbc1d7(+241857),Phactr1(+246946)	N/A
Chr13	43230436	43230593	Chr13.30456	Tbc1d7(-59014),Glod1(+73657)	N/A
Chr13	43525598	43525697	Chr13.30637	Ranbp9(-44675),Mcur1(+34543)	N/A
Chr13	43525769	43526004	Chr13.30639	Ranbp9(-44619),Mcur1(+34304)	N/A
Chr13	43592361	43592574	Chr13.30672	Mcur1(-32277),Rnf182(-23242)	N/A
Chr13	43677648	43677699	Chr13.30766	Cd83(-107298),Rnf182(+62099)	N/A
Chr13	43734887	43735043	Chr13.30799	Cd83(-50142),Rnf182(+119255)	N/A
Chr13	43807115	43807313	Chr13.30868	Jarid2(-924057),Cd83(+22107)	N/A
Chr13	43865263	43865363	Chr13.30956	Jarid2(-865958),Cd83(+80206)	N/A
Chr13	43899145	43899322	Chr13.30983	Jarid2(-822037),Cd83(+124127)	N/A
Chr13	43909486	43909624	Chr13.30985	Jarid2(-821716),Cd83(+124446)	N/A
Chr13	43930219	43930710	Chr13.30998	Jarid2(-800806),Cd83(+145358)	N/A
Chr13	33592220	3359421	Chr13.31	Gm16505(-1708)	N/A
Chr13	43930764	43930911	Chr13.31005	Jarid2(-800433),Cd83(+145731)	N/A
Chr13	43938866	43939075	Chr13.31028	Jarid2(-792300),Cd83(+153864)	N/A
Chr13	43987584	43987697	Chr13.31117	Jarid2(-743630),Cd83(+202534)	N/A
Chr13	43998175	43998384	Chr13.31126	Jarid2(-732991),Cd83(+213173)	N/A
Chr13	44018066	44018196	Chr13.31152	Jarid2(-713140),Cd83(+233024)	N/A
Chr13	44018645	44018748	Chr13.31164	Jarid2(-712574),Cd83(+233590)	N/A
Chr13	44026662	44026972	Chr13.31181	Jarid2(-704454),Cd83(+241710)	N/A
Chr13	44038443	44038692	Chr13.31190	Jarid2(-692703),Cd83(+253461)	N/A
Chr13	44043693	44043948	Chr13.31197	Jarid2(-687450),Cd83(+258714)	N/A
Chr13	44044720	44045113	Chr13.31204	Jarid2(-686354),Cd83(+259810)	N/A
Chr13	44056175	44056382	Chr13.31212	Jarid2(-674992),Cd83(+271172)	N/A
Chr13	44065784	44065900	Chr13.31230	Jarid2(-665429),Cd83(+280735)	N/A
Chr13	44073241	44073381	Chr13.31241	Jarid2(-657960),Cd83(+288204)	N/A
Chr13	4408619	44086722	Chr13.31259	Jarid2(-645601),Cd83(+300569)	N/A
Chr13	44086913	44087022	Chr13.31266	Jarid2(-644303),Cd83(+301861)	N/A
Chr13	44099482	44099723	Chr13.31276	Jarid2(-631668),Cd83(+314496)	N/A
Chr13	44100286	44100524	Chr13.31280	Jarid2(-630866),Cd83(+315298)	N/A
Chr13	44100594	44101075	Chr13.31282	Jarid2(-630436),Cd83(+315728)	N/A
Chr13	44121515	44121677	Chr13.31309	Jarid2(-609678),Cd83(+336489)	N/A
Chr13	44126321	44126510	Chr13.31316	Jarid2(-604850),Cd83(+341309)	N/A
Chr13	44132059	44132224	Chr13.31320	Jarid2(-599129),Cd83(+347035)	N/A
Chr13	44153218	44153339	Chr13.31333	Jarid2(-577992),Cd83(+368172)	N/A
Chr13	44174661	44174853	Chr13.31343	Jarid2(-556514),Cd83(+389650)	N/A
Chr13	44209135	44209417	Chr13.31391	Jarid2(-521995),Cd83(+424169)	N/A
Chr13	44222055	44222154	Chr13.31406	Jarid2(-509166),Cd83(+436998)	N/A
Chr13	44228465	44228648	Chr13.31417	Jarid2(-502714),Cd83(+443450)	N/A
Chr13	44228945	44229187	Chr13.31422	Jarid2(-502025),Cd83(+443959)	N/A
Chr13	44229266	44229386	Chr13.31424	Jarid2(-501945),Cd83(+444219)	N/A
Chr13	44232197	44232415	Chr13.31428	Jarid2(-498965),Cd83(+447199)	N/A
Chr13	44248339	44248699	Chr13.31440	Jarid2(-482754),Cd83(+463410)	N/A
Chr13	44278623	44278773	Chr13.31465	Jarid2(-452573),Cd83(+463591)	N/A
Chr13	44282583	44282793	Chr13.31472	Jarid2(-448583),Cd83(+497581)	N/A
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Chr13	44301936	44302196	Chr13.31495	Jarid2(-429205),Cd83(+516959)	N/A
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Chr13	44329841	44330024	Chr13.31538	Jarid2(-401438),Cd83(+544726)	N/A
Chr13	44339402	44339617	Chr13.31547	Jarid2(-391761),Cd83(+544403)	N/A
Chr13	44354205	44354346	Chr13.31562	Jarid2(-376995),Cd83(+569169)	N/A
Chr13	44364885	44365048	Chr13.31581	Jarid2(-366304),Cd83(+579860)	N/A
Chr13	44369827	44369973	Chr13.31591	Jarid2(-361371),Cd83(+584793)	N/A
Chr13	44375975	44376176	Chr13.31594	Jarid2(-355195),Cd83(+590999)	N/A
Chr13	44376219	44376336	Chr13.31601	Jarid2(-354993),Cd83(+591171)	N/A
Chr13	44383669	44383859	Chr13.31609	Jarid2(-347507),Cd83(+598657)	N/A
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Chr13	44399718	44399988	Chr13.31624	Jarid2(-331418),Cd83(+614746)	N/A
Chr13	44416934	44417348	Chr13.31642	Jarid2(-314130),Cd83(+632034)	N/A
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Chr13	44420268	44420423	Chr13.31656	Jarid2(-310925),Cd83(+635239)	N/A
Chr13	44469095	44469198	Chr13.31713	Jarid2(-262124),Cd83(+684040)	N/A
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Chr13	44502594	44502754	Chr13.31735	Jarid2(-228597),Cd83(+717567)	N/A
Chr13	44509828	44509819	Chr13.31752	Jarid2(-221547),Cd83(+724617)	N/A
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Chr13	44546961	44547092	Chr13.31798	Jarid2(-184244),Cd83(+761920)	N/A

Chr13	44563925	44564156	Chr13.31813	Jarid2(-167230), Cd83(+778934)	N/A
Chr13	44582217	44582368	Chr13.31837	Jarid2(-148978), Cd83(+797186)	N/A
Chr13	44582724	44582951	Chr13.31842	Jarid2(-148433), Cd83(+797731)	N/A
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Chr13	44701710	44701825	Chr13.31966	Jarid2(-29503), Cd83(+916661)	N/A
Chr13	44728627	44728732	Chr13.31965	Jarid2(-299)	N/A
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Chr13	3361151	3361392	Chr13.32	Gm16505(+243)	N/A
Chr13	44731182	44731354	Chr13.32002	Jarid2(-3)	N/A
Chr13	44731802	44732183	Chr13.32004	Jarid2(-722)	N/A
Chr13	44732312	44732520	Chr13.32006	Jarid2(+1445), Dtnb1(+269680)	N/A
Chr13	44732887	44733031	Chr13.32011	Jarid2(+1688), Dtnb1(+269137)	N/A
Chr13	44733063	44733233	Chr13.32015	Jarid2(+1877), Dtnb1(+268948)	N/A
Chr13	44734808	44735069	Chr13.32018	Jarid2(+3668), Dtnb1(+267157)	N/A
Chr13	44746129	44746245	Chr13.32033	Jarid2(+14916), Dtnb1(+255909)	N/A
Chr13	44755277	44755509	Chr13.32050	Jarid2(+24122), Dtnb1(+246103)	N/A
Chr13	44755543	44755688	Chr13.32053	Jarid2(+24480), Dtnb1(+246345)	N/A
Chr13	44760288	44760429	Chr13.32065	Jarid2(+29088), Dtnb1(+241737)	N/A
Chr13	44786715	44786959	Chr13.32076	Jarid2(+55566), Dtnb1(+215259)	N/A
Chr13	44795748	44796042	Chr13.32082	Jarid2(+64624), Dtnb1(+206201)	N/A
Chr13	44803165	44803283	Chr13.32100	Jarid2(+71933), Dtnb1(+198872)	N/A
Chr13	44806570	44808713	Chr13.32108	Jarid2(+77371), Dtnb1(+193545)	N/A
Chr13	44819536	44819709	Chr13.32113	Jarid2(+68352), Dtnb1(+182473)	N/A
Chr13	44840141	44840271	Chr13.32129	Jarid2(+108935), Dtnb1(+161690)	N/A
Chr13	44840885	44841017	Chr13.32132	Jarid2(+109680), Dtnb1(+161145)	N/A
Chr13	44841049	44841234	Chr13.32133	Jarid2(+109871), Dtnb1(+160954)	N/A
Chr13	44843875	44843984	Chr13.32139	Jarid2(+112659), Dtnb1(+158166)	N/A
Chr13	44868234	44868346	Chr13.32155	Dtnb1(+133806), Jarid2(+137019)	N/A
Chr13	44868672	44868792	Chr13.32162	Dtnb1(+133364), Jarid2(+137461)	N/A
Chr13	44881077	44881314	Chr13.32176	Dtnb1(+120900), Jarid2(+149925)	N/A
Chr13	44946856	44947058	Chr13.32289	Dtnb1(+55139), Jarid2(+215686)	N/A
Chr13	44971779	44977347	Chr13.32308	Dtnb1(+24633), Jarid2(+245992)	N/A
Chr13	45189443	45189562	Chr13.32444	Mylipl(-200239), Gm9817(+110811)	N/A
Chr13	45215021	45215151	Chr13.32457	Mylipl(-174656), Gm9817(+136394)	N/A
Chr13	45239289	45239410	Chr13.32464	Mylipl(-150392), Gm9817(+160658)	N/A
Chr13	45390708	45390890	Chr13.32572	Gmpr(-116645), Mylipl(+1057)	N/A
Chr13	45391665	45391801	Chr13.32576	Gmpr(-115711), Mylipl(+1991)	N/A
Chr13	45394461	45394639	Chr13.32588	Gmpr(-112894), Mylipl(+4808)	N/A
Chr13	45418815	45418976	Chr13.32632	Gmpr(-88548), Mylipl(+29154)	N/A
Chr13	45419009	45419179	Chr13.32635	Gmpr(-88350), Mylipl(+29352)	N/A
Chr13	45429362	45429471	Chr13.32644	Gmpr(-78027), Mylipl(+39675)	N/A
Chr13	45466024	45466322	Chr13.32674	Gmpr(-41271), Mylipl(+76431)	N/A
Chr13	45469758	45470023	Chr13.32684	Gmpr(-37553), Mylipl(+80149)	N/A
Chr13	45576357	45576521	Chr13.32686	Gmpr(-68995), Atxn1(+388552)	N/A
Chr13	45582297	45582397	Chr13.32871	Gmpr(-74889), Atxn1(+382658)	N/A
Chr13	45582486	45582639	Chr13.32874	Gmpr(+75119), Atxn1(+382428)	N/A
Chr13	45627285	45627386	Chr13.32927	Gmpr(+119892), Atxn1(+337655)	N/A
Chr13	45661274	45661667	Chr13.32969	Gmpr(+154027), Atxn1(+303520)	N/A
Chr13	45725799	45725978	Chr13.33050	Gmpr(+218440), Atxn1(+239107)	N/A
Chr13	45740525	45740781	Chr13.33063	Atxn1(+122438), Gmpr(+232169)	N/A
Chr13	45749367	45749473	Chr13.33081	Atxn1(+215571), Gmpr(+241976)	N/A
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Chr13	45868083	45868091	Chr13.33199	Atxn1(+84204), Gmpr(+373431)	N/A
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Chr13	45962575	45962804	Chr13.33349	503343015r1k(-2563), Atxn1(+2301)	N/A
Chr13	45962838	45963040	Chr13.33354	503343015r1k(-2314), Atxn1(+2052)	N/A
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Chr13	45963349	45963470	Chr13.33363	Atxn1(+1419), 503343015r1k(+1157)	N/A
Chr13	45966948	45967190	Chr13.33369	Atxn1(-2078), 503343015r1k(+1816)	N/A
Chr13	45967237	45967416	Chr13.33371	Atxn1(-2336), 503343015r1k(+2074)	N/A
Chr13	45973634	45973752	Chr13.33383	503343015r1k(+8440), Gm10113(+217355)	N/A
Chr13	45975034	45975169	Chr13.33394	503343015r1k(+9849), Gm10113(+215946)	N/A
Chr13	46001815	46001925	Chr13.33426	503343015r1k(-36517), Gm10113(+189178)	N/A
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Chr13	46009005	46009222	Chr13.33443	503343015r1k(+43861), Gm10113(+181934)	N/A
Chr13	46019941	46020045	Chr13.33454	503343015r1k(+54740), Gm10113(+171055)	N/A
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Chr13	8871721	8871859	Chr13.33556	Wdr37(-60)	N/A
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Chr13	46217517	46217712	Chr13.33660	Stmnd1(-56106), Gm10113(-26567)	N/A
Chr13	46218079	46218191	Chr13.33668	Stmnd1(-55586), Gm10113(-27087)	N/A
Chr13	46218409	46218946	Chr13.33669	Stmnd1(-55043), Gm10113(-27630)	N/A
Chr13	46288712	46288962	Chr13.33685	Stmnd1(-4684)	N/A
Chr13	4629158	46292098	Chr13.33688	Stmnd1(-44493)	N/A
Chr13	46298346	46298506	Chr13.33702	Rbm24(-129874), Stmnd1(+14705)	N/A
Chr13	46523582	46523734	Chr13.33925	Fam8a1(-145864), Cap2(+21810)	N/A
Chr13	46523779	46523978	Chr13.33926	Fam8a1(-145643), Cap2(+22031)	N/A
Chr13	46534163	46534453	Chr13.33944	Fam8a1(-135214), Cap2(+32460)	N/A
Chr13	46534509	46534732	Chr13.33948	Fam8a1(-114901), Cap2(+32713)	N/A
Chr13	46634069	46634179	Chr13.34054	Fam8a1(-35398), Cap2(+122166)	N/A
Chr13	46645580	46645720	Chr13.34075	Fam8a1(-23872), Cap2(+143802)	N/A
Chr13	46727970	46728116	Chr13.34260	Nup153(-103)	N/A
Chr13	46760601	46760856	Chr13.34326	Nup153(-32789), Klf13a(+168889)	N/A
Chr13	46877076	46877255	Chr13.34520	Nup153(-148226), Klf13a(+52552)	N/A
Chr13	46929440	46929622	Chr13.34574	Nup153(-20591), Klf13a(+1187)	N/A
Chr13	46980013	46980115	Chr13.34604	Klf13a(-50346), Nhr1c1(+34786)	N/A
Chr13	9128035	9128183	Chr13.3475	Dip2c(-148419), Larp4b(+34204)	N/A
Chr13	47124931	47125131	Chr13.34798	Rnf144b(+2311), 4931429p17r1k(+893577)	N/A
Chr13	47125728	47125878	Chr13.34805	Rnf144b(+3083), 4931429p17r1k(+892805)	N/A
Chr13	47198280	47198465	Chr13.34864	Rnf144b(+76553), 4931429p17r1k(+820235)	N/A
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Chr13	47319598	47319933	Chr13.35008	Rnf144b(+197046), 4931429p17r1k(+698842)	N/A
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Chr13	47336038	47336146	Chr13.35021	Rnf144b(+213372), 4931429p17r1k(+682516)	N/A
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Chr13	47348482	47348852	Chr13.35032	Rnf144b(+225947), 4931429p17r1k(+669941)	N/A
Chr13	47368245	47368405	Chr13.35058	Rnf144b(+245605), 4931429p17r1k(+650283)	N/A
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Chr13	47598075	47598215	Chr13.35294	4931429p17r1k(+420453), Rnf144b(+475425)	N/A
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Chr13	47870072	47870345	Chr13.35569	4931429p17r1k(+148399), Rnf144b(+747489)	N/A
Chr13	47942290	47942422	Chr13.35632	4931429p17r1k(+76252), Rnf144b(+819636)	N/A
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Chr13	9350546	9350752	Chr13.3577	Dip2c(+74171), Zmynd11(+14615)	N/A
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Chr13	48130620	48130938	Chr13.35898	164(-130648), 4931429p17r1k(-112171)	N/A

Chr13	48131786	48131994	Chr13.35900	Id4(-129537), 4931429p17nk(-113282)	N/A
Chr13	9494730	9495007	Chr13.3595	Dip2c(+218341), Zmynd11(+270445)	N/A
Chr13	48171489	48171748	Chr13.35969	4931429p17nk(-153011), Id4(-89808)	N/A
Chr13	48171932	48172195	Chr13.35976	4931429p17nk(-153456), Id4(-89353)	N/A
Chr13	48227795	48227949	Chr13.36035	4931429p17nk(-209264), Id4(-33555)	N/A
Chr13	48260140	48260315	Chr13.36066	Id4(-1199)	N/A
Chr13	48262806	48262907	Chr13.36076	Id4(+1430), Zfp169(+250537)	N/A
Chr13	48263773	48263914	Chr13.36081	Id4(+2417), Zfp169(+249550)	N/A
Chr13	48316817	48317131	Chr13.36157	Id4(+55547), Zfp169(+199420)	N/A
Chr13	48324256	48324697	Chr13.36170	Id4(+63050), Zfp169(+188917)	N/A
Chr13	48422658	48423004	Chr13.36300	Zfp169(+90563), Id4(+161404)	N/A
Chr13	48593081	48593313	Chr13.36438	Ptpdc1(+32376), A830005f24nk(+79627)	N/A
Chr13	48593366	48593544	Chr13.36447	Ptpdc1(+32118), A830005f24nk(+79885)	N/A
Chr13	48594149	48594269	Chr13.36452	Ptpdc1(+31364), A830005f24nk(+90639)	N/A
Chr13	48687149	48687397	Chr13.36496	Barx1(+24275), Phf2(+183612)	N/A
Chr13	48694528	48694843	Chr13.36487	Barx1(+31688), Phf2(+176109)	N/A
Chr13	48694911	48695209	Chr13.36490	Barx1(+32062), Phf2(+175825)	N/A
Chr13	48696664	48696853	Chr13.36495	Barx1(+33761), Phf2(+174126)	N/A
Chr13	48699980	48700102	Chr13.36498	Barx1(+37043), Phf2(+170844)	N/A
Chr13	48702387	48702456	Chr13.36501	Barx1(+39399), Phf2(+168488)	N/A
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Chr13	48717169	48717367	Chr13.36512	Barx1(+54270), Phf2(+153617)	N/A
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Chr13	48731483	48731691	Chr13.36521	Barx1(+68589), Phf2(+139298)	N/A
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Chr13	48735304	48735427	Chr13.36530	Barx1(+72586), Phf2(+135519)	N/A
Chr13	48746525	48746675	Chr13.36535	Barx1(+83602), Phf2(+124285)	N/A
Chr13	48756793	48757184	Chr13.36536	Barx1(+93991), Phf2(+113896)	N/A
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Chr13	48895121	48895223	Chr13.36710	Phf2(-24287), Fam120a(+72845)	N/A
Chr13	49037775	49037886	Chr13.36773	Fam120a(-69815), Wnk2(+110182)	N/A
Chr13	49038523	49038653	Chr13.36776	Fam120a(-70571), Wnk2(+109426)	N/A
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Chr13	49129639	49133041	Chr13.36972	Fam120a(-61973), Wnk2(-18024)	N/A
Chr13	49352860	49353017	Chr13.37112	Ippk(-68372), Bicd2(+11390)	N/A
Chr13	49385453	49385561	Chr13.37207	Ippk(-35804), Bicd2(+43958)	N/A
Chr13	49466675	49466808	Chr13.37292	Ecm2(-38068), Ippk(+45431)	N/A
Chr13	49492518	49492664	Chr13.37301	Ecm2(-12219), Ippk(+71280)	N/A
Chr13	49504788	49505086	Chr13.37308	Ecm2(+128)	N/A
Chr13	49544372	49544545	Chr13.37394	Aspn(+16)	N/A
Chr13	49546379	49546496	Chr13.37397	Omd(-36328), Aspn(+1995)	N/A
Chr13	49581569	49581693	Chr13.37431	Omd(-1135)	N/A
Chr13	49582345	49582864	Chr13.37434	Omd(-161)	N/A
Chr13	49603775	49603896	Chr13.37472	Ogn(-4235)	N/A
Chr13	49607914	49608159	Chr13.37474	Ogn(-34)	N/A
Chr13	49608652	49608857	Chr13.37477	Ogn(+684)	N/A
Chr13	49684300	49684431	Chr13.37578	Iars(+2266), Gm8674(+220231)	N/A
Chr13	51567136	51567526	Chr13.37848	Shc3(-247)	N/A
Chr13	51569384	51569604	Chr13.37862	Shc3(-2410)	N/A
Chr13	51580730	51580917	Chr13.37866	Cks2(-64408), Shc3(-13740)	N/A
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Chr13	51603156	51603305	Chr13.37872	Cks2(-42001), Shc3(-36147)	N/A
Chr13	51603335	51603537	Chr13.37876	Cks2(-41796), Shc3(-36352)	N/A
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Chr13	51845923	51846059	Chr13.38103	Gadd45g(-687)	N/A
Chr13	51846445	51846586	Chr13.38106	Gadd45g(-162)	N/A
Chr13	51917805	51917994	Chr13.38122	Gadd45g(+1222), Dirs2(+612936)	N/A
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Chr13	52980225	52980385	Chr13.38331	Nli3(+768)	N/A
Chr13	53086720	53086955	Chr13.38351	Nli3(-105765), Ror2(+199286)	N/A
Chr13	53175139	53175232	Chr13.38482	Nli3(-184116), Ror2(+110935)	N/A
Chr13	53178666	53178947	Chr13.38489	Nli3(-197734), Ror2(+107317)	N/A
Chr13	53193903	53194079	Chr13.38495	Nli3(-212918), Ror2(+92133)	N/A
Chr13	53201857	53202023	Chr13.38501	Nli3(-220867), Ror2(+84184)	N/A
Chr13	53205453	53205557	Chr13.38505	Nli3(-224432), Ror2(+80619)	N/A
Chr13	53212099	53212249	Chr13.38507	Nli3(-231101), Ror2(+73950)	N/A
Chr13	53244177	53244400	Chr13.38517	Nli3(-263219), Ror2(+1835)	N/A
Chr13	53258873	53259082	Chr13.38523	Nli3(-277905), Ror2(+27146)	N/A
Chr13	53281798	53281977	Chr13.38531	Nli3(-300815), Ror2(+4236)	N/A
Chr13	53282086	53282267	Chr13.38534	Nli3(-301104), Ror2(+3947)	N/A
Chr13	53309557	53309835	Chr13.38546	Ror2(-23572), Sptlc1(+67669)	N/A
Chr13	53309867	53309971	Chr13.38550	Ror2(-23795), Sptlc1(+67446)	N/A
Chr13	53315030	53315156	Chr13.38554	Ror2(-23969), Sptlc1(+62272)	N/A
Chr13	53332830	53332939	Chr13.38561	Ror2(-46761), Sptlc1(+44480)	N/A
Chr13	53454976	53455186	Chr13.38605	Sptlc1(-77717), Mx2(+17992)	N/A
Chr13	53462349	53462556	Chr13.38615	Sptlc1(-85088), Mx2(+10621)	N/A
Chr13	53466850	53466977	Chr13.38625	Sptlc1(-89549), Mx2(+6160)	N/A
Chr13	53467128	53467128	Chr13.38626	Sptlc1(-89711), Mx2(+5998)	N/A
Chr13	53469144	53469350	Chr13.38646	Sptlc1(-91882), Mx2(-3827)	N/A
Chr13	53469585	53469770	Chr13.38652	Sptlc1(-92313), Mx2(+3396)	N/A
Chr13	53470916	53471049	Chr13.38656	Sptlc1(-93618), Mx2(+2091)	N/A
Chr13	53472852	53473112	Chr13.38663	Mx2(+92)	N/A
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Chr13	53501821	53502185	Chr13.38692	Mx2(-36929), Gm5449(-23700)	N/A
Chr13	53543360	53543490	Chr13.38727	Gm5449(+17722), Drd1(+512233)	N/A
Chr13	53543640	53543743	Chr13.38730	Gm5449(+17989), Drd1(+511966)	N/A
Chr13	53563146	53563364	Chr13.38734	Gm5449(+37552), Drd1(+492403)	N/A
Chr13	53576327	53576471	Chr13.38738	Gm5449(+50696), Drd1(+479259)	N/A
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Chr13	53708949	53709371	Chr13.38867	Gm5449(+183457), Drd1(+346498)	N/A
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Chr13	54260581	54260759	Chr13.39113	Cplx2(-104679), Hmh2(+74541)	N/A
Chr13	54302947	54302653	Chr13.39126	Cplx2(-68749), Hmh2(+10471)	N/A
Chr13	54312714	54313033	Chr13.39137	Cplx2(-59475), Hmh2(+120745)	N/A
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Chr13	54328905	54329018	Chr13.39148	Cplx2(-42387), Hmh2(+136833)	N/A
Chr13	54348119	54348235	Chr13.39157	Cplx2(-23172), Hmh2(+156048)	N/A
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Chr13	54380308	54380485	Chr13.39204	Cplx2(+9048), Thoc3(+88452)	N/A
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Chr13	54412378	54412512	Chr13.39233	Cplx2(+41096), Thoc3(+56404)	N/A
Chr13	54425390	54425508	Chr13.39236	Thoc3(+43400), Cplx2(+54100)	N/A
Chr13	54564159	54564300	Chr13.39243	483343919nk(+1205), Sinc1(-60451)	N/A
Chr13	54614601	54611539	Chr13.39454	Rnf44(-26624), Faf2(-36686)	N/A
Chr13	54662275	54662411	Chr13.39463	Rnf44(+25751), Faf2(+40559)	N/A
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Chr13	54687647	54687786	Chr13.39537	Rnf44(+377)	N/A
Chr13	54688208	54688349	Chr13.39544	Rnf44(-185)	N/A
Chr13	54801667	54803389	Chr13.396	Nrl1(+27942), Calm5(+36010)	N/A
Chr13	54758557	54758981	Chr13.39780	Gprn1(-9045), Snrb(+7676)	N/A
Chr13	54765846	54765958	Chr13.39805	Snrb(+693)	N/A
Chr13	54818680	54818849	Chr13.39856	Unc5a(-130646), Tspan17(+29388)	N/A
Chr13	54837890	54838013	Chr13.39863	Unc5a(-111459), Tspan17(+48575)	N/A
Chr13	54874801	54875016	Chr13.39902	Unc5a(-74452), Tspan17(+85562)	N/A
Chr13	54887951	54888102	Chr13.39920	Unc5a(-61364), Tspan17(+98650)	N/A
Chr13	54912002	54912163	Chr13.39923	Unc5a(-37328), Tspan17(+122706)	N/A
Chr13	54938147	54938249	Chr13.39937	Unc5a(-11213), Tspan17(+148821)	N/A
Chr13	54949915	54950014	Chr13.39947	Unc5a(+554)	N/A
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Chr13	54967765	54968044	Chr13.39965	Unc5a(-18494), Hk3(+53480)	N/A
Chr13	54994757	54994917	Chr13.40015	Hk3(+26548), Unc5a(+45426)	N/A

Chr13	54998426	54998529	Chr13.40044	Hk3(+22907),Unc5a(+49067)	N/A
Chr13	3893287	3893390	Chr13.402	Net1(+24881),Calm5(+39071)	N/A
Chr13	55035205	55035434	Chr13.40262	Hk3(-13935),Umc1(+64975)	N/A
Chr13	55155812	55155812	Chr13.40371	Nsd1(-54029),Fgfr4(+3113)	N/A
Chr13	55209610	55209791	Chr13.40485	Nsd1(-81)	N/A
Chr13	55212687	55212822	Chr13.40496	Nsd1(+2973),Rab24(+109225)	N/A
Chr13	55212905	55213060	Chr13.40497	Nsd1(+3201),Rab24(+108997)	N/A
Chr13	55213090	55213234	Chr13.40499	Nsd1(+3380),Rab24(+108818)	N/A
Chr13	55314096	55315176	Chr13.40628	Rab24(+6894),Nsd1(+105304)	N/A
Chr13	55315205	55315363	Chr13.40632	Rab24(+6896),Nsd1(+105502)	N/A
Chr13	55318159	55318360	Chr13.40656	Prelid1(-3795),Rab24(+3720)	N/A
Chr13	55446680	55446798	Chr13.41029	Pr7(-17528),Grk6(+1405)	N/A
Chr13	55447625	55447769	Chr13.41032	Pr7(-16570),Grk6(+2363)	N/A
Chr13	55449841	55449958	Chr13.41038	Pr7(-14367),Grk6(+4566)	N/A
Chr13	55465370	55465370	Chr13.41114	Pr7(+1019),Dn1(+22825)	N/A
Chr13	55465400	55465512	Chr13.41118	Pr7(+1189),Dn1(+22655)	N/A
Chr13	55470352	55470616	Chr13.41121	Pr7(+6217),Dn1(+17627)	N/A
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Chr13	55483879	55484036	Chr13.41189	Dn1(+4153),Pr7(+19691)	N/A
Chr13	55486151	55486294	Chr13.41194	Dn1(+1888),Pr7(+21956)	N/A
Chr13	55486557	55486661	Chr13.41199	Dn1(+1502),Pr7(+22342)	N/A
Chr13	55509999	55507125	Chr13.41230	Dn1(-18951),Pdlim7(+6384)	N/A
Chr13	55510705	55510834	Chr13.41254	Dn1(-22659),Pdlim7(+2676)	N/A
Chr13	55512748	55512868	Chr13.41260	Pdlim7(+638)	N/A
Chr13	55569791	55570134	Chr13.41415	Ddx41(-33305),Fam193b(+1157)	N/A
Chr13	55624245	55624450	Chr13.41523	B230219d22k(-38778),Ddx46(+19321)	N/A
Chr13	55660284	55660527	Chr13.41543	B230219d22k(-32718),Ddx46(+25379)	N/A
Chr13	55734286	55734497	Chr13.41661	Catsper3(-50176),Pcbd2(+7024)	N/A
Chr13	55749221	55749503	Chr13.41675	Catsper3(-35206),Pcbd2(+21994)	N/A
Chr13	55749867	55750123	Chr13.41681	Catsper3(-34573),Pcbd2(+22607)	N/A
Chr13	55754388	55754637	Chr13.41696	Catsper3(-29955),Pcbd2(+27245)	N/A
Chr13	55754870	55755003	Chr13.41699	Catsper3(-29631),Pcbd2(+27569)	N/A
Chr13	55760698	55761118	Chr13.41704	Catsper3(-23660),Pcbd2(+33540)	N/A
Chr13	55761492	55762019	Chr13.41712	Catsper3(-22812),Pcbd2(+34388)	N/A
Chr13	55766640	55766815	Chr13.41720	Catsper3(-17840),Pcbd2(+39360)	N/A
Chr13	55775046	55775198	Chr13.41727	Catsper3(-9446),Pcbd2(+47754)	N/A
Chr13	55817001	55817158	Chr13.41796	Ptx1(+14345),Catsper3(-32512)	N/A
Chr13	55823820	55823991	Chr13.41796	Ptx1(+7519),Catsper3(+38338)	N/A
Chr13	55824399	55824504	Chr13.41801	Ptx1(+6973),Catsper3(+39884)	N/A
Chr13	55825026	55825192	Chr13.41803	Ptx1(+6316),Catsper3(+40541)	N/A
Chr13	55831860	55832105	Chr13.41831	Ptx1(-558)	N/A
Chr13	55840427	55840585	Chr13.41850	Ptx1(-9081),Macroh2a1(+295125)	N/A
Chr13	55848826	55849185	Chr13.41862	Ptx1(-17882),Macroh2a1(+286624)	N/A
Chr13	55857487	55857659	Chr13.41887	Ptx1(-26148),Macroh2a1(+278058)	N/A
Chr13	55867752	55868173	Chr13.41910	Ptx1(-36538),Macroh2a1(+267668)	N/A
Chr13	55881659	55881819	Chr13.41916	Ptx1(-50314),Macroh2a1(+253892)	N/A
Chr13	55893296	55893743	Chr13.41931	Ptx1(-62095),Macroh2a1(+242111)	N/A
Chr13	55899044	55899340	Chr13.41949	Ptx1(-67787),Macroh2a1(+236458)	N/A
Chr13	55909969	55910240	Chr13.41966	Ptx1(-78680),Macroh2a1(+225526)	N/A
Chr13	55910505	55910606	Chr13.41972	Ptx1(-79131),Macroh2a1(+225075)	N/A
Chr13	55912452	55912650	Chr13.41975	Ptx1(-81126),Macroh2a1(+223080)	N/A
Chr13	55929854	55930095	Chr13.42007	Ptx1(-98550),Macroh2a1(+205656)	N/A
Chr13	55952190	55952341	Chr13.42050	Ptx1(-12081),Macroh2a1(+183365)	N/A
Chr13	55956092	55956268	Chr13.42054	Ptx1(-124755),Macroh2a1(+179451)	N/A
Chr13	55956322	55956889	Chr13.42055	Ptx1(-125181),Macroh2a1(+179025)	N/A
Chr13	55958141	55958501	Chr13.42062	Ptx1(-126896),Macroh2a1(+177310)	N/A
Chr13	55958811	55959078	Chr13.42068	Ptx1(-127520),Macroh2a1(+176686)	N/A
Chr13	55959657	55959759	Chr13.42077	Ptx1(-128283),Macroh2a1(+175923)	N/A
Chr13	55960127	55960250	Chr13.42081	Ptx1(-128764),Macroh2a1(+175442)	N/A
Chr13	55960289	55960489	Chr13.42082	Ptx1(-128964),Macroh2a1(+175242)	N/A
Chr13	55961049	55961282	Chr13.42084	Ptx1(-129741),Macroh2a1(+174465)	N/A
Chr13	55961570	55961953	Chr13.42090	Ptx1(-130337),Macroh2a1(+173869)	N/A
Chr13	55962204	55962416	Chr13.42096	Ptx1(-130885),Macroh2a1(+173321)	N/A
Chr13	55962618	55962826	Chr13.42100	Ptx1(-131258),Macroh2a1(+172908)	N/A
Chr13	55964968	55964627	Chr13.42119	Ptx1(-135138),Macroh2a1(+169049)	N/A
Chr13	55976924	55977045	Chr13.42133	Ptx1(-145560),Macroh2a1(+159646)	N/A
Chr13	55977294	55977406	Chr13.42137	Ptx1(-145925),Macroh2a1(+158281)	N/A
Chr13	55981171	55981381	Chr13.42145	Ptx1(-149851),Macroh2a1(+154355)	N/A
Chr13	55983650	55983825	Chr13.42147	Ptx1(-152313),Macroh2a1(+151893)	N/A
Chr13	55983553	55983626	Chr13.42153	Ptx1(-154016),Macroh2a1(+150190)	N/A
Chr13	55983612	55983810	Chr13.42158	Ptx1(-154366),Macroh2a1(+149820)	N/A
Chr13	55988964	55989087	Chr13.42164	Ptx1(-157601),Macroh2a1(+146605)	N/A
Chr13	55989345	55989504	Chr13.42170	Ptx1(-158000),Macroh2a1(+146206)	N/A
Chr13	56004259	56004492	Chr13.42192	Ptx1(-172951),Macroh2a1(+131255)	N/A
Chr13	56010231	56010339	Chr13.42203	Ptx1(-178860),Macroh2a1(+125346)	N/A
Chr13	56023442	56023571	Chr13.42218	Ptx1(-192082),Macroh2a1(+12124)	N/A
Chr13	56024600	56024878	Chr13.42225	Ptx1(-193314),Macroh2a1(+110692)	N/A
Chr13	56025172	56025274	Chr13.42227	Ptx1(-193798),Macroh2a1(+110408)	N/A
Chr13	56052512	56052626	Chr13.42251	Ptx1(-221144),Macroh2a1(+83062)	N/A
Chr13	56052968	56053132	Chr13.42258	Ptx1(-221625),Macroh2a1(+82581)	N/A
Chr13	56054837	56055121	Chr13.42262	Ptx1(-223604),Macroh2a1(+80602)	N/A
Chr13	56063023	56063211	Chr13.42266	Ptx1(-221697),Macroh2a1(+72509)	N/A
Chr13	56063436	56063576	Chr13.42271	Ptx1(-232081),Macroh2a1(+72125)	N/A
Chr13	56068579	56068856	Chr13.42273	Ptx1(-237294),Macroh2a1(+66912)	N/A
Chr13	56069914	56070019	Chr13.42281	Ptx1(-238542),Macroh2a1(+65664)	N/A
Chr13	56078964	56079127	Chr13.42299	Ptx1(-247621),Macroh2a1(+56585)	N/A
Chr13	56080101	56080207	Chr13.42331	Ptx1(-256729),Macroh2a1(+47477)	N/A
Chr13	56088245	56088496	Chr13.42334	Ptx1(-256946),Macroh2a1(+47260)	N/A
Chr13	56093809	56093916	Chr13.42345	Ptx1(-262438),Macroh2a1(+41768)	N/A
Chr13	56095121	56095303	Chr13.42348	Ptx1(-263787),Macroh2a1(+40419)	N/A
Chr13	56102472	56102942	Chr13.42358	Ptx1(-271282),Macroh2a1(+32924)	N/A
Chr13	56111223	56111654	Chr13.42375	Ptx1(-280014),Macroh2a1(+24192)	N/A
Chr13	56112561	56112687	Chr13.42384	Ptx1(-281199),Macroh2a1(+23001)	N/A
Chr13	56112903	56113064	Chr13.42389	Ptx1(-281559),Macroh2a1(+22647)	N/A
Chr13	56155102	56155379	Chr13.42413	Macroh2a1(-19610),Tifab(+23644)	N/A
Chr13	56159607	56159882	Chr13.42417	Macroh2a1(-24104),Tifab(+19150)	N/A
Chr13	56160040	56160269	Chr13.42423	Macroh2a1(-24524),Tifab(+18730)	N/A
Chr13	56160475	56160594	Chr13.42426	Macroh2a1(-24904),Tifab(+18530)	N/A
Chr13	56163719	56163903	Chr13.42429	Macroh2a1(-28180),Tifab(+15074)	N/A
Chr13	56163939	56164082	Chr13.42432	Macroh2a1(-28380),Tifab(+14874)	N/A
Chr13	56164552	56164951	Chr13.42437	Macroh2a1(-29121),Tifab(+14133)	N/A
Chr13	56170827	56170947	Chr13.42444	Macroh2a1(-35256),Tifab(+7998)	N/A
Chr13	56170977	56171188	Chr13.42446	Macroh2a1(-35452),Tifab(+7802)	N/A
Chr13	56175550	56175684	Chr13.42450	Macroh2a1(-39986),Tifab(+3258)	N/A
Chr13	56208631	56208737	Chr13.42483	Tifab(-29799),Neurog1(+43479)	N/A
Chr13	56208824	56208926	Chr13.42485	Tifab(-29990),Neurog1(+43288)	N/A
Chr13	56209015	56209223	Chr13.42487	Tifab(-30234),Neurog1(+43044)	N/A
Chr13	56214885	56215072	Chr13.42498	Tifab(-36094),Neurog1(+37184)	N/A
Chr13	56216614	56216803	Chr13.42500	Tifab(-37624),Neurog1(+35454)	N/A
Chr13	56221432	56221549	Chr13.42506	Tifab(-43606),Neurog1(+30672)	N/A
Chr13	56221880	56222009	Chr13.42510	Tifab(-43060),Neurog1(+30218)	N/A
Chr13	56223726	56223919	Chr13.42514	Tifab(-44938),Neurog1(+28340)	N/A
Chr13	56228344	56228457	Chr13.42528	Tifab(-49516),Neurog1(+23762)	N/A
Chr13	56236432	56236656	Chr13.42541	Tifab(-57659),Neurog1(+15619)	N/A
Chr13	56256724	56257014	Chr13.42583	Neurog1(-4706)	N/A
Chr13	56259252	56259479	Chr13.42598	Neurog1(-7203),Cxc14(+37185)	N/A
Chr13	56260350	56260515	Chr13.42607	Neurog1(-8270),Cxc14(+36118)	N/A
Chr13	56270371	56270543	Chr13.42622	Neurog1(-18294),Cxc14(+26094)	N/A
Chr13	56288646	56288752	Chr13.42624	Neurog1(-36356),Cxc14(+7852)	N/A
Chr13	56291020	56291159	Chr13.42632	Neurog1(-38927),Cxc14(+5461)	N/A
Chr13	56295988	56296338	Chr13.42639	Neurog1(-43065),Cxc14(+1338)	N/A
Chr13	56296389	56296516	Chr13.42646	Cxc14(+98)	N/A
Chr13	56304969	56305207	Chr13.42650	Gm10782(-57813),Cxc14(-8537)	N/A
Chr13	56307167	56307300	Chr13.42655	Gm10782(-55667),Cxc14(-10683)	N/A
Chr13	56315294	56315413	Chr13.42663	Gm10782(-47547),Cxc14(-18803)	N/A
Chr13	56321736	56321950	Chr13.42666	Gm10782(-41058),Cxc14(-25292)	N/A
Chr13	56335299	56335410	Chr13.42679	Cxc14(-38804),Gm10782(-27546)	N/A
Chr13	56337056	56337372	Chr13.42683	Cxc14(-40663),Gm10782(-25687)	N/A
Chr13	56340640	56340740	Chr13.42690	Cxc14(-44139),Gm10782(-22211)	N/A
Chr13	56344519	56344703	Chr13.42697	Cxc14(-48060),Gm10782(-18290)	N/A
Chr13	56347271	56347558	Chr13.42707	Cxc14(-50864),Gm10782(-15486)	N/A
Chr13	56351498	56351643	Chr13.42716	Cxc14(-55020),Gm10782(-11330)	N/A
Chr13	56359043	56359221	Chr13.42717	Gm10782(-3769)	N/A
Chr13	56359637	56359945	Chr13.42720	Gm10782(-3110)	N/A
Chr13	56370883	56371017	Chr13.42736	Slc25a48(-67405),Gm10782(+8049)	N/A
Chr13	56371974	56372374	Chr13.42739	Slc25a48(-66181),Gm10782(+9273)	N/A
Chr13	56380865	56381183	Chr13.42751	Slc25a48(-57316),Gm10782(+8138)	N/A
Chr13	56381394	56381518	Chr13.42758	Slc25a48(-56699),Gm10782(+18555)	N/A

Chr13		56401281	56401568	Chr13.42785	Slc25a48(-36930), Gm10782(+38524)	N/A
Chr13		56422009	56422253	Chr13.42795	Slc25a48(-16224), Gm10782(+59230)	N/A
Chr13		56426451	56426582	Chr13.42801	Slc25a48(-11838), Gm10782(+63616)	N/A
Chr13		11289120	11289250	Chr13.42826	Ryz2(+637760)	N/A
Chr13		56558923	56559097	Chr13.429057	Tgfb(-50593), Lect2(-10472)	N/A
Chr13		56566480	56566607	Chr13.42968	Tgfb(-43059), Lect2(-18006)	N/A
Chr13		56573284	56573413	Chr13.42972	Tgfb(-36254), Lect2(-24811)	N/A
Chr13		56576470	56576698	Chr13.42978	Tgfb(-33019), Lect2(-28046)	N/A
Chr13		56605895	56606039	Chr13.43024	Tgfb(-3638)	N/A
Chr13		56626678	56626828	Chr13.43065	Smad5(-76258), Tgfb(+17149)	N/A
Chr13		56634882	56634990	Chr13.43109	Smad5(-68074), Tgfb(+25333)	N/A
Chr13		56635086	56635320	Chr13.43112	Smad5(-67807), Tgfb(+25600)	N/A
Chr13		56642727	56642828	Chr13.43137	Smad5(-60232), Tgfb(+33175)	N/A
Chr13		56648151	56648308	Chr13.43142	Smad5(-54780), Tgfb(+38627)	N/A
Chr13		56662085	56662193	Chr13.43147	Smad5(-40871), Tgfb(+52336)	N/A
Chr13		56673796	56673981	Chr13.43154	Smad5(-29121), Tgfb(+64286)	N/A
Chr13		56678187	56678381	Chr13.43157	Smad5(-24726), Tgfb(+68661)	N/A
Chr13		56678460	56678650	Chr13.43162	Smad5(-24455), Tgfb(+68952)	N/A
Chr13		56685228	56686784	Chr13.43176	Smad5(-4354)	N/A
Chr13		56701359	56701810	Chr13.43183	Smad5(-1325)	N/A
Chr13		56703924	56704139	Chr13.43187	Smad5(+1022), Tpc7(+191705)	N/A
Chr13		56705349	56705797	Chr13.43190	Smad5(+2563), Tpc7(+190164)	N/A
Chr13		56707286	56707413	Chr13.43196	Smad5(+4340), Tpc7(+188387)	N/A
Chr13		56707820	56707939	Chr13.43198	Smad5(+4870), Tpc7(+187857)	N/A
Chr13		56757181	56757344	Chr13.43242	Smad5(+54253), Tpc7(+138474)	N/A
Chr13		56757514	56757628	Chr13.43250	Smad5(+54560), Tpc7(+138167)	N/A
Chr13		56853601	56853835	Chr13.43366	Tpc7(+42019), Smad5(+150708)	N/A
Chr13		11482979	11483131	Chr13.4344	Ryz2(+623890)	N/A
Chr13		57107860	57108028	Chr13.43580	Tpc7(-212207), Spock1(+799643)	N/A
Chr13		57315796	57315910	Chr13.43650	Tpc7(-420116), Spock1(+591734)	N/A
Chr13		57315941	57316088	Chr13.43652	Tpc7(-420268), Spock1(+591582)	N/A
Chr13		57450495	57450610	Chr13.43775	Tpc7(-554516), Spock1(+457034)	N/A
Chr13		57459934	57460181	Chr13.43786	Tpc7(-564321), Spock1(+447529)	N/A
Chr13		57485958	57486119	Chr13.43817	Tpc7(-690302), Spock1(+421548)	N/A
Chr13		57582546	57582767	Chr13.43915	Tpc7(-686920), Spock1(+324393)	N/A
Chr13		57637818	57638051	Chr13.43996	Tpc7(-742198), Spock1(+269652)	N/A
Chr13		57686331	57686528	Chr13.44042	Tpc7(-770893), Spock1(+241157)	N/A
Chr13		57666838	57666956	Chr13.44049	Tpc7(-771160), Spock1(+240690)	N/A
Chr13		57671942	57672112	Chr13.44052	Tpc7(-776290), Spock1(+235560)	N/A
Chr13		57741533	57741653	Chr13.44156	Tpc7(-845856), Spock1(+165994)	N/A
Chr13		57830918	57831310	Chr13.44301	Tpc7(-935377), Spock1(+76473)	N/A
Chr13		57854404	57854512	Chr13.44327	Tpc7(-968721), Spock1(+53129)	N/A
Chr13		57894572	57894778	Chr13.44379	Tpc7(-989380), Spock1(+12912)	N/A
Chr13		57930989	57931361	Chr13.44419	Spock1(-23588), Kih3(+171253)	N/A
Chr13		57945047	57945175	Chr13.44437	Spock1(-37524), Kih3(+157317)	N/A
Chr13		57945389	57945532	Chr13.44441	Spock1(-37874), Kih3(+156967)	N/A
Chr13		57950214	57950355	Chr13.44450	Spock1(-42698), Kih3(+152143)	N/A
Chr13		57980277	57980528	Chr13.44476	Spock1(-72816), Kih3(+122025)	N/A
Chr13		58024087	58024329	Chr13.44555	Spock1(-116621), Kih3(+78220)	N/A
Chr13		58058276	58058490	Chr13.44572	Spock1(-150796), Kih3(+44045)	N/A
Chr13		58065291	58065401	Chr13.44585	Spock1(-157759), Kih3(+37082)	N/A
Chr13		58067608	58067708	Chr13.44589	Spock1(-160071), Kih3(+34770)	N/A
Chr13		58090782	58090896	Chr13.44598	Spock1(-183252), Kih3(+11589)	N/A
Chr13		58112783	58112916	Chr13.44617	Kih3(-10422), Hmnpa0(+157056)	N/A
Chr13		58113447	58113554	Chr13.44624	Kih3(-11073), Hmnpa0(+15055)	N/A
Chr13		58125974	58126159	Chr13.44634	Kih3(-23639), Hmnpa0(+2489)	N/A
Chr13		58126345	58126464	Chr13.44637	Kih3(-23977), Hmnpa0(+2151)	N/A
Chr13		58126810	58127103	Chr13.44643	Kih3(-24529), Hmnpa0(+1599)	N/A
Chr13		58127139	58127278	Chr13.44646	Kih3(-24781), Hmnpa0(+1347)	N/A
Chr13		58274307	58274409	Chr13.44748	Glap1(-170)	N/A
Chr13		58402185	58402289	Chr13.44917	Rml1(-360), Hmnpa0(+265)	N/A
Chr13		58438993	58439153	Chr13.44952	Rml1(-36476), Slc28a3(+171804)	N/A
Chr13		58471979	58472110	Chr13.44978	Rml1(+69448), Slc28a3(+138332)	N/A
Chr13		58776355	58776485	Chr13.45270	Slc28a3(-165533), Ntk2(-13490)	N/A
Chr13		5880518	58805678	Chr13.45280	Ntk2(-1302)	N/A
Chr13		58806720	58806912	Chr13.45283	Ntk2(-1094)	N/A
Chr13		58807298	58807409	Chr13.45288	Ntk2(-546)	N/A
Chr13		58807581	58807685	Chr13.45290	Ntk2(-267)	N/A
Chr13		58807742	58807881	Chr13.45291	Ntk2(-58)	N/A
Chr13		58809424	58809666	Chr13.45299	Ntk2(+1845), Agtpbp1(+747744)	N/A
Chr13		58840950	58841163	Chr13.45335	Ntk2(+23157), Agtpbp1(+716232)	N/A
Chr13		58915101	58915323	Chr13.45448	Ntk2(+107312), Agtpbp1(+642077)	N/A
Chr13		58932048	58932190	Chr13.45478	Ntk2(+124219), Agtpbp1(+625170)	N/A
Chr13		58933067	58933245	Chr13.45486	Ntk2(+125256), Agtpbp1(+624133)	N/A
Chr13		58946870	58946808	Chr13.45530	Ntk2(+156838), Agtpbp1(+592551)	N/A
Chr13		58975780	58975882	Chr13.45551	Ntk2(+167931), Agtpbp1(+581458)	N/A
Chr13		58976653	58976819	Chr13.45556	Ntk2(+168836), Agtpbp1(+580553)	N/A
Chr13		59004686	59005037	Chr13.45620	Ntk2(+196962), Agtpbp1(+552427)	N/A
Chr13		59011793	59011951	Chr13.45642	Ntk2(+203972), Agtpbp1(+545417)	N/A
Chr13		59041055	59041270	Chr13.45683	Ntk2(+233263), Agtpbp1(+516126)	N/A
Chr13		59073818	59074147	Chr13.45725	Ntk2(+266083), Agtpbp1(+483269)	N/A
Chr13		59079029	59080209	Chr13.45733	Ntk2(+272204), Agtpbp1(+477168)	N/A
Chr13		59094805	59095085	Chr13.45769	Ntk2(+287045), Agtpbp1(+462344)	N/A
Chr13		59096086	59096223	Chr13.45775	Ntk2(+288255), Agtpbp1(+461134)	N/A
Chr13		59143390	59143646	Chr13.45838	Ntk2(+335618), Agtpbp1(+413771)	N/A
Chr13		59144062	59144305	Chr13.45844	Ntk2(+336284), Agtpbp1(+413705)	N/A
Chr13		11623780	11624065	Chr13.45857	Ryz2(+483022)	N/A
Chr13		11624177	11624281	Chr13.45858	Ryz2(+482716)	N/A
Chr13		59212284	59212475	Chr13.45891	Agtpbp1(+344909), Ntk2(+404480)	N/A
Chr13		59248514	59248634	Chr13.45921	Agtpbp1(+308715), Ntk2(+440674)	N/A
Chr13		59248828	59248950	Chr13.45925	Agtpbp1(+308400), Ntk2(+440989)	N/A
Chr13		59248994	59249104	Chr13.45927	Agtpbp1(+308240), Ntk2(+441149)	N/A
Chr13		59279242	59279341	Chr13.45954	Agtpbp1(+277971), Ntk2(+471392)	N/A
Chr13		59285685	59285825	Chr13.45964	Agtpbp1(+271534), Ntk2(+477855)	N/A
Chr13		59316372	59316662	Chr13.45981	Agtpbp1(+240772), Ntk2(+508617)	N/A
Chr13		59351141	59351260	Chr13.46002	Agtpbp1(+206088), Ntk2(+543301)	N/A
Chr13		59378981	59379025	Chr13.46047	Agtpbp1(+159331), Ntk2(+590058)	N/A
Chr13		59431289	59431420	Chr13.46060	Agtpbp1(+125934), Ntk2(+623455)	N/A
Chr13		59556475	59556579	Chr13.46158	Agtpbp1(+762)	N/A
Chr13		59585295	59585420	Chr13.46161	Naa35(+63)	N/A
Chr13		59608138	59608358	Chr13.46177	Naa35(+22953), Galm1(+67536)	N/A
Chr13		59722309	59722542	Chr13.46246	Iscal1(-2616)	N/A
Chr13		59772755	59772893	Chr13.46251	Iscal1(-3014)	N/A
Chr13		59850102	59850519	Chr13.46357	TuT7(-27164), Gas1(+327054)	N/A
Chr13		59853562	59853856	Chr13.46362	TuT7(-30562), Gas1(+323656)	N/A
Chr13		59867996	59868146	Chr13.46371	TuT7(-44924), Gas1(+309294)	N/A
Chr13		59873593	59873813	Chr13.46377	TuT7(-50556), Gas1(+303662)	N/A
Chr13		59889395	59889594	Chr13.46383	TuT7(-66349), Gas1(+287870)	N/A
Chr13		59892432	59892540	Chr13.46387	TuT7(-69339), Gas1(+294679)	N/A
Chr13		59896531	59896731	Chr13.46393	TuT7(-76536), Gas1(+277894)	N/A
Chr13		59910400	59910545	Chr13.46400	TuT7(-87326), Gas1(+266892)	N/A
Chr13		59925762	59925947	Chr13.46414	TuT7(-102708), Gas1(+251510)	N/A
Chr13		59925981	59926195	Chr13.46421	TuT7(-102941), Gas1(+251277)	N/A
Chr13		59927832	59928082	Chr13.46432	TuT7(-104810), Gas1(+249408)	N/A
Chr13		59942981	59941091	Chr13.46441	TuT7(-117898), Gas1(+236329)	N/A
Chr13		59941158	59941257	Chr13.46442	TuT7(-118061), Gas1(+236157)	N/A
Chr13		59963043	59963345	Chr13.46467	TuT7(-140047), Gas1(+214171)	N/A
Chr13		59969645	59969761	Chr13.46479	TuT7(-146556), Gas1(+207662)	N/A
Chr13		59971352	59971866	Chr13.46483	TuT7(-148462), Gas1(+205756)	N/A
Chr13		59971822	59972062	Chr13.46487	TuT7(-148948), Gas1(+205373)	N/A
Chr13		59988909	59989220	Chr13.46500	TuT7(-165518), Gas1(+188700)	N/A
Chr13		59990921	59991292	Chr13.46503	TuT7(-167960), Gas1(+186258)	N/A
Chr13		59992789	59992909	Chr13.46511	TuT7(-169702), Gas1(+184516)	N/A
Chr13		59992940	59993391	Chr13.46514	TuT7(-170019), Gas1(+184199)	N/A
Chr13		60003116	60003220	Chr13.46526	TuT7(-180021), Gas1(+174197)	N/A
Chr13		60015856	60016281	Chr13.46533	TuT7(-192922), Gas1(+161296)	N/A
Chr13		60019837	60020014	Chr13.46549	TuT7(-196779), Gas1(+157439)	N/A
Chr13		60020173	60020431	Chr13.46552	TuT7(-197155), Gas1(+157063)	N/A
Chr13		60045467	60045729	Chr13.46566	TuT7(-222451), Gas1(+131767)	N/A
Chr13		60045801	60046029	Chr13.46571	TuT7(-222768), Gas1(+131450)	N/A
Chr13		60049401	60049501	Chr13.46575	TuT7(-226304), Gas1(+128914)	N/A
Chr13		60050960	60051148	Chr13.46578	TuT7(-227923), Gas1(+126316)	N/A
Chr13		60054427	60054701	Chr13.46589	TuT7(-231417), Gas1(+122801)	N/A
Chr13		60069093	60069435	Chr13.46598	TuT7(-246117), Gas1(+108101)	N/A
Chr13		60070092	60070205	Chr13.46600	TuT7(-247002), Gas1(+107216)	N/A
Chr13		60071762	60071881	Chr13.46608	TuT7(-248675), Gas1(+105543)	N/A
Chr13		60078308	60078560	Chr13.46615	TuT7(-255327), Gas1(+96951)	N/A
Chr13		60084981	60085236	Chr13.46620	TuT7(-261962), Gas1(+92256)	N/A

Chr13	60098857	60100138	Chr13.46627	Tut7(-276851), Gas1(+77367)	N/A
Chr13	60110452	60110783	Chr13.46641	Tut7(-287471), Gas1(+66747)	N/A
Chr13	60133637	60134129	Chr13.46678	Tut7(-310726), Gas1(+43482)	N/A
Chr13	60158529	60157078	Chr13.46680	Tut7(-333657), Gas1(+20561)	N/A
Chr13	60170938	60171218	Chr13.46704	Tut7(-347931), Gas1(+6287)	N/A
Chr13	60171248	60171412	Chr13.46706	Tut7(-348183), Gas1(+6035)	N/A
Chr13	60172110	60172368	Chr13.46708	Tut7(-349092), Gas1(+5126)	N/A
Chr13	60172793	60172999	Chr13.46713	Tut7(-349749), Gas1(+4469)	N/A
Chr13	60173329	60173979	Chr13.46715	Tut7(-350567), Gas1(+3711)	N/A
Chr13	60174209	60174319	Chr13.46721	Tut7(-351117), Gas1(+3101)	N/A
Chr13	60174480	60174626	Chr13.46723	Tut7(-351406), Gas1(+2812)	N/A
Chr13	60174765	60175079	Chr13.46726	Tut7(-351775), Gas1(+2443)	N/A
Chr13	60177340	60177620	Chr13.46735	Gas1(-115)	N/A
Chr13	60178624	60178794	Chr13.46741	Gas1(-1344)	N/A
Chr13	60193388	60193583	Chr13.46744	Dapk1(-408471), Gas1(-16111)	N/A
Chr13	60205510	60205665	Chr13.46750	Dapk1(-396359), Gas1(-28223)	N/A
Chr13	60213927	60214139	Chr13.46763	Dapk1(-387914), Gas1(-36668)	N/A
Chr13	60222379	60222646	Chr13.46768	Dapk1(-379434), Gas1(-45148)	N/A
Chr13	60225999	60226193	Chr13.46772	Dapk1(-375851), Gas1(-48731)	N/A
Chr13	60226225	60226343	Chr13.46779	Dapk1(-375663), Gas1(-48919)	N/A
Chr13	60227059	60227174	Chr13.46785	Dapk1(-374830), Gas1(-49752)	N/A
Chr13	60231663	60231837	Chr13.46794	Dapk1(-370197), Gas1(-54385)	N/A
Chr13	60232319	60232464	Chr13.46796	Dapk1(-369555), Gas1(-55027)	N/A
Chr13	60242519	60242641	Chr13.46799	Dapk1(-359367), Gas1(-65215)	N/A
Chr13	60242995	60243189	Chr13.46803	Dapk1(-358859), Gas1(-65723)	N/A
Chr13	60252574	60252579	Chr13.46817	Dapk1(-346620), Gas1(-77962)	N/A
Chr13	60255415	60255555	Chr13.46821	Dapk1(-346462), Gas1(-78120)	N/A
Chr13	60255824	60256034	Chr13.46822	Dapk1(-346018), Gas1(-78564)	N/A
Chr13	60267507	60267867	Chr13.46827	Dapk1(-334260), Gas1(-90322)	N/A
Chr13	60291367	60291595	Chr13.46839	Dapk1(-310466), Gas1(-114116)	N/A
Chr13	60296546	60296773	Chr13.46844	Dapk1(-305287), Gas1(-119295)	N/A
Chr13	60298905	60297035	Chr13.46847	Dapk1(-305027), Gas1(-119555)	N/A
Chr13	60330842	60331029	Chr13.46879	Dapk1(-271011), Gas1(-153571)	N/A
Chr13	60348260	60348414	Chr13.46898	Dapk1(-253610), Gas1(-170972)	N/A
Chr13	60355982	60356292	Chr13.46901	Dapk1(-245810), Gas1(-178772)	N/A
Chr13	60364952	60365327	Chr13.46905	Dapk1(-236807), Gas1(-187775)	N/A
Chr13	60365736	60365892	Chr13.46909	Dapk1(-236133), Gas1(-188449)	N/A
Chr13	60369196	60369470	Chr13.46919	Dapk1(-232614), Gas1(-191968)	N/A
Chr13	60384648	60384874	Chr13.46932	Dapk1(-217186), Gas1(-207396)	N/A
Chr13	60407912	60408059	Chr13.46941	Gas1(-230621), Dapk1(-193961)	N/A
Chr13	60420703	60420836	Chr13.46954	Gas1(-243405), Dapk1(-181177)	N/A
Chr13	60424980	60425246	Chr13.46956	Gas1(-247733), Dapk1(-176829)	N/A
Chr13	60431449	60431635	Chr13.46960	Gas1(-254177), Dapk1(-170495)	N/A
Chr13	60435140	60435239	Chr13.46970	Gas1(-257825), Dapk1(-166757)	N/A
Chr13	60440644	60440823	Chr13.46980	Gas1(-263369), Dapk1(-161213)	N/A
Chr13	60447181	60447435	Chr13.46991	Gas1(-269943), Dapk1(-154639)	N/A
Chr13	60454881	60454784	Chr13.46996	Gas1(-277368), Dapk1(-147214)	N/A
Chr13	60458987	60458992	Chr13.47002	Gas1(-279575), Dapk1(-145007)	N/A
Chr13	60479499	60479618	Chr13.47013	Gas1(-302194), Dapk1(-125388)	N/A
Chr13	60480407	60480533	Chr13.47017	Gas1(-303105), Dapk1(-121477)	N/A
Chr13	60488788	60488948	Chr13.47022	Gas1(-311503), Dapk1(-113079)	N/A
Chr13	60603058	60603159	Chr13.47091	Dapk1(+1162), Bc051665(+183255)	N/A
Chr13	60634198	60634305	Chr13.47107	Dapk1(+32305), Bc051665(+152112)	N/A
Chr13	60684131	60684298	Chr13.47133	Dapk1(+162267), Bc051665(+102150)	N/A
Chr13	60707703	60707843	Chr13.47152	Bc051665(+78591), Dapk1(+105826)	N/A
Chr13	60711326	60711454	Chr13.47156	Bc051665(+74974), Dapk1(+109443)	N/A
Chr13	62865712	62866075	Chr13.47399	Fbp2(-7494), Fbp1(+22388)	N/A
Chr13	62871677	62871902	Chr13.47432	Fbp2(-13390), Fbp1(+16492)	N/A
Chr13	62907813	62907941	Chr13.47460	Aopep(-107057), Fbp1(-19595)	N/A
Chr13	62949511	62949639	Chr13.47494	Aopep(-63259), Fbp1(-61393)	N/A
Chr13	62993450	62993568	Chr13.47504	Fbp1(-105227), Aopep(-21425)	N/A
Chr13	62993765	62994056	Chr13.47507	Fbp1(-105629), Aopep(-21023)	N/A
Chr13	63010654	63011001	Chr13.47510	Aopep(-4106)	N/A
Chr13	63032454	63032654	Chr13.47553	Aopep(-17620), Fancp(+399191)	N/A
Chr13	63046002	63046215	Chr13.47567	Aopep(-31175), Fancp(+385636)	N/A
Chr13	63046924	63047029	Chr13.47571	Aopep(-32043), Fancp(+384768)	N/A
Chr13	63048803	63048968	Chr13.47575	Aopep(+33952), Fancp(+382859)	N/A
Chr13	63066776	63066892	Chr13.47589	Aopep(+51900), Fancp(+364911)	N/A
Chr13	63068885	63069151	Chr13.47600	Aopep(+54084), Fancp(+362727)	N/A
Chr13	63069348	63069522	Chr13.47602	Aopep(+54501), Fancp(+362310)	N/A
Chr13	63069897	63069890	Chr13.47604	Aopep(+54860), Fancp(+361951)	N/A
Chr13	63072392	63072756	Chr13.47616	Aopep(+57640), Fancp(+359171)	N/A
Chr13	63074457	63074749	Chr13.47621	Aopep(+59669), Fancp(+357142)	N/A
Chr13	63082667	63083063	Chr13.47629	Aopep(+67931), Fancp(+348880)	N/A
Chr13	63090777	63090934	Chr13.47636	Aopep(+75922), Fancp(+340889)	N/A
Chr13	63094643	63094751	Chr13.47648	Aopep(+79713), Fancp(+337043)	N/A
Chr13	63095500	63095196	Chr13.47650	Aopep(+80189), Fancp(+336522)	N/A
Chr13	63096774	63097040	Chr13.47657	Aopep(+81973), Fancp(+334838)	N/A
Chr13	63098130	63098236	Chr13.47661	Aopep(+83249), Fancp(+333562)	N/A
Chr13	63110860	63110887	Chr13.47666	Aopep(+93835), Fancp(+322976)	N/A
Chr13	63111406	63111625	Chr13.47674	Aopep(+96862), Fancp(+320129)	N/A
Chr13	63112194	63112371	Chr13.47680	Aopep(+97349), Fancp(+319463)	N/A
Chr13	63112616	63112893	Chr13.47686	Aopep(+97821), Fancp(+318990)	N/A
Chr13	63113157	63113389	Chr13.47690	Aopep(+98339), Fancp(+318472)	N/A
Chr13	63113869	63113991	Chr13.47695	Aopep(+98996), Fancp(+317815)	N/A
Chr13	63114599	63114756	Chr13.47701	Aopep(+99744), Fancp(+317087)	N/A
Chr13	63121774	63121942	Chr13.47719	Aopep(+108924), Fancp(+309887)	N/A
Chr13	63137495	63137890	Chr13.47732	Aopep(+122759), Fancp(+294052)	N/A
Chr13	63139838	63140158	Chr13.47737	Aopep(+125064), Fancp(+291747)	N/A
Chr13	63140762	63140915	Chr13.47744	Aopep(+125905), Fancp(+290906)	N/A
Chr13	63140972	63141134	Chr13.47749	Aopep(+126119), Fancp(+290692)	N/A
Chr13	63148766	63148871	Chr13.47764	Aopep(+133889), Fancp(+262326)	N/A
Chr13	63153424	63153647	Chr13.47768	Aopep(+138602), Fancp(+278209)	N/A
Chr13	63154992	63155205	Chr13.47773	Aopep(+140163), Fancp(+276646)	N/A
Chr13	63155393	63155640	Chr13.47775	Aopep(+140583), Fancp(+276228)	N/A
Chr13	63156280	63156392	Chr13.47787	Aopep(+141402), Fancp(+275409)	N/A
Chr13	63171379	63171627	Chr13.47807	Aopep(+156569), Fancp(+260242)	N/A
Chr13	63203922	63204095	Chr13.47852	Aopep(+189073), Fancp(+227136)	N/A
Chr13	63205799	63205945	Chr13.47859	Aopep(+190939), Fancp(+225873)	N/A
Chr13	63211452	63211682	Chr13.47866	Aopep(+196633), Fancp(+220178)	N/A
Chr13	63211976	63212142	Chr13.47873	Aopep(+197125), Fancp(+219686)	N/A
Chr13	63228990	63229233	Chr13.47878	Fancp(+202633), Aopep(+214178)	N/A
Chr13	63231665	63232112	Chr13.47884	Fancp(+199856), Aopep(+216955)	N/A
Chr13	63239321	63239550	Chr13.47897	Fancp(+192309), Aopep(+224502)	N/A
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Chr13	63245637	63245811	Chr13.47919	Fancp(+186021), Aopep(+230790)	N/A
Chr13	63245856	63245985	Chr13.47923	Fancp(+185824), Aopep(+230987)	N/A
Chr13	63255058	63255226	Chr13.47935	Fancp(+178603), Aopep(+240208)	N/A
Chr13	63256868	63257101	Chr13.47942	Fancp(+174760), Aopep(+242051)	N/A
Chr13	63256999	63260721	Chr13.47949	Fancp(+171085), Aopep(+245726)	N/A
Chr13	63268354	63268603	Chr13.47960	Fancp(+163266), Aopep(+253545)	N/A
Chr13	63272554	63272703	Chr13.47968	Fancp(+159116), Aopep(+257695)	N/A
Chr13	63278583	63279032	Chr13.47973	Fancp(+152937), Aopep(+263874)	N/A
Chr13	63282650	63282775	Chr13.47999	Fancp(+149032), Aopep(+267179)	N/A
Chr13	63283258	63283392	Chr13.48001	Fancp(+148420), Aopep(+268391)	N/A
Chr13	63289471	63289775	Chr13.48005	Fancp(+142122), Aopep(+274689)	N/A
Chr13	63300477	63300581	Chr13.48023	Fancp(+131216), Aopep(+285595)	N/A
Chr13	63300661	63300797	Chr13.48024	Fancp(+131016), Aopep(+285795)	N/A
Chr13	63301188	63301295	Chr13.48028	Fancp(+130503), Aopep(+286308)	N/A
Chr13	63301746	63301899	Chr13.48029	Fancp(+129927), Aopep(+286684)	N/A
Chr13	63335650	63335723	Chr13.48064	Fancp(+95709), Aopep(+321708)	N/A
Chr13	63337319	63337428	Chr13.48092	Fancp(+94371), Aopep(+322440)	N/A
Chr13	63374575	63374791	Chr13.48127	Fancp(+57062), Aopep(+359749)	N/A
Chr13	63377943	63378102	Chr13.48134	Fancp(+53722), Aopep(+363089)	N/A
Chr13	63382273	63382647	Chr13.48146	Fancp(+49285), Aopep(+367626)	N/A
Chr13	63411046	63411188	Chr13.48179	Fancp(+20628), Aopep(+396163)	N/A
Chr13	63431557	63431698	Chr13.48181	Fancp(+117)	N/A
Chr13	63487055	63487183	Chr13.48220	Fancp(+55374), P1ch1(+78401)	N/A
Chr13	63496790	63496919	Chr13.48225	Fancp(+65110), P1ch1(+68665)	N/A
Chr13	63497002	63497152	Chr13.48229	Fancp(+65332), P1ch1(+68443)	N/A
Chr13	63512502	63512674	Chr13.48280	Fancp(+80843), P1ch1(+52932)	N/A
Chr13	63514573	63514797	Chr13.48290	Fancp(+62940), P1ch1(+50335)	N/A
Chr13	63514899	63515272	Chr13.48303	Fancp(+63341), P1ch1(+50434)	N/A
Chr13	63515703	63515835	Chr13.48312	Fancp(+84024), P1ch1(+49751)	N/A
Chr13	63522254	63522432	Chr13.48329	Fancp(+90598), P1ch1(+43177)	N/A
Chr13	63524003	63524296	Chr13.48338	Fancp(+92405), P1ch1(+41370)	N/A
Chr13	63524505	63524689	Chr13.48344	Fancp(+92852), P1ch1(+40923)	N/A
Chr13	63525398	63525612	Chr13.48357	Fancp(+33760), P1ch1(+40015)	N/A

Chr13	63525966	63526101	Chr13.48360	Fance(-94289),P1ch1(+39486)	N/A
Chr13	63526224	63526381	Chr13.48364	Fance(-94558),P1ch1(+39217)	N/A
Chr13	63528151	63528369	Chr13.48372	Fance(-96519),P1ch1(+37260)	N/A
Chr13	63528424	63528627	Chr13.48375	Fance(-96731),P1ch1(+37044)	N/A
Chr13	63528564	63528705	Chr13.48377	Fance(-96890),P1ch1(+36885)	N/A
Chr13	63544038	63544140	Chr13.48463	Fance(-112344),P1ch1(+21431)	N/A
Chr13	63549107	63549287	Chr13.48482	Fance(-117452),P1ch1(+16333)	N/A
Chr13	63552005	63552199	Chr13.48483	Fance(-120357),P1ch1(+13418)	N/A
Chr13	63552705	63552824	Chr13.48488	Fance(-121020),P1ch1(+12759)	N/A
Chr13	63553637	63553847	Chr13.48491	Fance(-121997),P1ch1(+11778)	N/A
Chr13	63556552	63556708	Chr13.48503	Fance(-124885),P1ch1(+8890)	N/A
Chr13	63558565	63558791	Chr13.48508	Fance(-126933),P1ch1(+6842)	N/A
Chr13	63562220	63562335	Chr13.48512	Fance(-130533),P1ch1(+3242)	N/A
Chr13	63564348	63564489	Chr13.48520	Fance(-132674),P1ch1(+1101)	N/A
Chr13	63564653	63564768	Chr13.48523	P1ch1(+810)	N/A
Chr13	63566049	63566242	Chr13.48533	P1ch1(-626)	N/A
Chr13	63566305	63566577	Chr13.48536	P1ch1(-921)	N/A
Chr13	63566724	63566976	Chr13.48540	P1ch1(-1330)	N/A
Chr13	63568012	63568141	Chr13.48550	P1ch1(-2557)	N/A
Chr13	63570560	63570703	Chr13.48565	Ercc62(-244702),P1ch1(-5112)	N/A
Chr13	63571107	63571405	Chr13.48567	Ercc62(-24078),P1ch1(-5736)	N/A
Chr13	63571707	63571889	Chr13.48572	Ercc62(-243536),P1ch1(-6278)	N/A
Chr13	63573343	63573632	Chr13.48576	Ercc62(-241846),P1ch1(-7968)	N/A
Chr13	63574099	63574266	Chr13.48580	Ercc62(-241151),P1ch1(-8663)	N/A
Chr13	63595527	63595644	Chr13.48593	Ercc62(-219748),P1ch1(-30066)	N/A
Chr13	63596012	63596119	Chr13.48596	Ercc62(-219268),P1ch1(-30546)	N/A
Chr13	63601948	63602056	Chr13.48599	Ercc62(-213332),P1ch1(-36482)	N/A
Chr13	63602093	63602292	Chr13.48603	Ercc62(-213141),P1ch1(-36673)	N/A
Chr13	63605526	63606566	Chr13.48614	Ercc62(-205743),P1ch1(-44071)	N/A
Chr13	63612054	63612433	Chr13.48619	Ercc62(-203090),P1ch1(-46724)	N/A
Chr13	63641797	63641899	Chr13.48651	Ercc62(-173486),P1ch1(-73328)	N/A
Chr13	63642775	63643030	Chr13.48660	Ercc62(-172431),P1ch1(-73363)	N/A
Chr13	63643425	63643618	Chr13.48668	Ercc62(-171812),P1ch1(-78002)	N/A
Chr13	63652441	63652644	Chr13.48675	Ercc62(-162791),P1ch1(-87023)	N/A
Chr13	63672630	63672844	Chr13.48695	Ercc62(-142597),P1ch1(-107217)	N/A
Chr13	63690339	63690497	Chr13.48717	Ercc62(-124916),P1ch1(-124998)	N/A
Chr13	63700527	63700683	Chr13.48721	P1ch1(-135085),Ercc62(-14729)	N/A
Chr13	63701096	63701556	Chr13.48734	P1ch1(-135906),Ercc62(-114008)	N/A
Chr13	63701594	63701781	Chr13.48740	P1ch1(-136168),Ercc62(-113646)	N/A
Chr13	63719580	63719986	Chr13.48748	P1ch1(-154263),Ercc62(-95551)	N/A
Chr13	63736011	63736287	Chr13.48767	P1ch1(-170629),Ercc62(-79185)	N/A
Chr13	6376017	63766145	Chr13.48790	P1ch1(-200501),Ercc62(-46253)	N/A
Chr13	63766204	63766332	Chr13.48795	P1ch1(-200748),Ercc62(-49066)	N/A
Chr13	63771135	63771257	Chr13.48802	P1ch1(-205676),Ercc62(-44138)	N/A
Chr13	63780752	63780859	Chr13.48808	P1ch1(-215286),Ercc62(-34528)	N/A
Chr13	63852351	63852517	Chr13.48861	Ercc62(+37100),Hsd17b3(+236767)	N/A
Chr13	63879818	63880040	Chr13.48908	Ercc62(+64999),Hsd17b3(+209272)	N/A
Chr13	63891961	63891969	Chr13.48943	Ercc62(+83931),Hsd17b3(+189936)	N/A
Chr13	63915170	63915437	Chr13.48954	Ercc62(+99970),Hsd17b3(+173897)	N/A
Chr13	63918227	63918409	Chr13.48961	Ercc62(+102984),Hsd17b3(+170883)	N/A
Chr13	63927523	63927633	Chr13.48971	Ercc62(+112244),Hsd17b3(+161623)	N/A
Chr13	63944817	63944949	Chr13.48983	Ercc62(+129549),Hsd17b3(+144318)	N/A
Chr13	63951241	63951496	Chr13.48984	Ercc62(+136035),Hsd17b3(+137832)	N/A
Chr13	63952000	63952403	Chr13.48992	Ercc62(+136688),Hsd17b3(+136999)	N/A
Chr13	63970210	63970400	Chr13.49007	Hsd17b3(+118896),Ercc62(+154971)	N/A
Chr13	63980350	63980496	Chr13.49013	Hsd17b3(+108778),Ercc62(+165089)	N/A
Chr13	63985535	63985845	Chr13.49021	Hsd17b3(+103511),Ercc62(+170358)	N/A
Chr13	63993188	63993334	Chr13.49031	Hsd17b3(+95940),Ercc62(+177927)	N/A
Chr13	63994063	63994416	Chr13.49034	Hsd17b3(+94946),Ercc62(+178921)	N/A
Chr13	64020964	64021220	Chr13.49055	Hsd17b3(+88109),Ercc62(+205758)	N/A
Chr13	64021252	64021356	Chr13.49058	Hsd17b3(+67897),Ercc62(+205970)	N/A
Chr13	64081271	64081549	Chr13.49106	Hsd17b3(+7791),Ercc62(+266076)	N/A
Chr13	64081626	64081736	Chr13.49113	Hsd17b3(+7520),Ercc62(+266347)	N/A
Chr13	64155256	64155440	Chr13.49208	Zfp367(-2146)	N/A
Chr13	64274946	64275135	Chr13.49317	Cdc14b(-48)	N/A
Chr13	70611890	70612028	Chr13.50659	Ice1(+25675),Med10(+802077)	N/A
Chr13	12104566	12104682	Chr13.5067	Ry2(+2321)	N/A
Chr13	70794125	70794278	Chr13.50858	Ice1(-156568),Adams16(+47609)	N/A
Chr13	12166484	12166660	Chr13.5086	Ry2(-59627),Mtr(+91541)	N/A
Chr13	70891980	70891995	Chr13.50909	803042324rk(+8950)	N/A
Chr13	71062204	71062312	Chr13.51015	803042324rk(+179310),Irx1(+901465)	N/A
Chr13	71074066	71074320	Chr13.51032	803042324rk(+191245),Irx1(+889530)	N/A
Chr13	71104826	71104932	Chr13.51061	803042324rk(+221931),Irx1(+858844)	N/A
Chr13	71158427	71158587	Chr13.51111	803042324rk(+275559),Irx1(+805216)	N/A
Chr13	71158633	71158821	Chr13.51116	803042324rk(+275779),Irx1(+804996)	N/A
Chr13	71205086	71205086	Chr13.51146	803042324rk(+323057),Irx1(+7571124)	N/A
Chr13	71206210	71206307	Chr13.51149	803042324rk(+323356),Irx1(+757419)	N/A
Chr13	71210808	71211048	Chr13.51156	803042324rk(+327980),Irx1(+752795)	N/A
Chr13	71224908	71225076	Chr13.51171	803042324rk(+342044),Irx1(+738731)	N/A
Chr13	71245453	71245612	Chr13.51193	803042324rk(+362585),Irx1(+718190)	N/A
Chr13	71375937	71376454	Chr13.51319	803042324rk(+492449),Irx1(+587527)	N/A
Chr13	71458627	71458768	Chr13.51425	Irx1(+56016),803042324rk(+575759)	N/A
Chr13	71490064	71490171	Chr13.51451	Irx1(+473605),803042324rk(+607170)	N/A
Chr13	71507687	71508015	Chr13.51465	Irx1(+455872),803042324rk(+624903)	N/A
Chr13	71529566	71529761	Chr13.51502	Irx1(+434059),803042324rk(+646716)	N/A
Chr13	71529791	71529976	Chr13.51503	Irx1(+433839),803042324rk(+646936)	N/A
Chr13	71653805	71653937	Chr13.51583	Irx1(+309851),803042324rk(+770923)	N/A
Chr13	71784563	71784684	Chr13.51722	Irx1(+179099),803042324rk(+901676)	N/A
Chr13	71804409	71804659	Chr13.51740	Irx1(+159189),803042324rk(+921586)	N/A
Chr13	71961102	71961353	Chr13.51937	Irx1(+2495)	N/A
Chr13	71968353	71968519	Chr13.51954	Irx1(-4713)	N/A
Chr13	72063198	72063636	Chr13.52026	Irx2(-565403),Irx1(-99694)	N/A
Chr13	72121004	72121194	Chr13.52071	Irx2(-507621),Irx1(+157478)	N/A
Chr13	72184502	72184878	Chr13.52118	Irx2(-444130),Irx1(-220967)	N/A
Chr13	72198623	72198745	Chr13.52136	Irx2(-430136),Irx1(-234961)	N/A
Chr13	72210183	72210333	Chr13.52147	Irx2(-418562),Irx1(-246535)	N/A
Chr13	72352927	72353219	Chr13.52325	Irx1(-389350),Irx2(-275747)	N/A
Chr13	72364978	72365115	Chr13.52354	Irx1(-401324),Irx2(-263773)	N/A
Chr13	72366053	72366272	Chr13.52364	Irx1(-402440),Irx2(-262657)	N/A
Chr13	72400706	72400993	Chr13.52388	Irx1(-437127),Irx2(-227970)	N/A
Chr13	72426018	72426200	Chr13.52415	Irx1(-462386),Irx2(-202711)	N/A
Chr13	72628714	72628844	Chr13.52553	Irx2(-41)	N/A
Chr13	72630059	72630182	Chr13.52558	Irx4(-630376),Irx2(+1301)	N/A
Chr13	72634599	72635095	Chr13.52589	Irx4(-625650),Irx2(+6027)	N/A
Chr13	72692302	72692459	Chr13.52624	Irx4(-568116),Irx2(+63561)	N/A
Chr13	72816447	72816616	Chr13.52709	Irx4(-443965),Irx2(+187712)	N/A
Chr13	72959304	72959447	Chr13.52817	Irx4(-301121),Irx2(+330556)	N/A
Chr13	73070238	73070491	Chr13.52910	Irx4(-190132),Irx2(+441545)	N/A
Chr13	73159883	73159997	Chr13.52962	Irx4(-100557),Irx2(+531120)	N/A
Chr13	73238022	73237044	Chr13.52974	Irx4(-20814),Irx2(+610863)	N/A
Chr13	73263066	73263235	Chr13.52988	Gm10263(-54693),Irx4(+2654)	N/A
Chr13	73270814	73270953	Chr13.53037	Gm10263(-46960),Irx4(+10387)	N/A
Chr13	73271980	73272139	Chr13.53041	Gm10263(-45784),Irx4(+11563)	N/A
Chr13	73418430	73418626	Chr13.53095	Lpcat1(-48717),Mtp36(+87471)	N/A
Chr13	73239742	73239891	Chr13.53335	Adn2(+943)	N/A
Chr13	73881099	73881338	Chr13.53721	Nkd2(-35588),Ttp3(+56548)	N/A
Chr13	74245141	74245263	Chr13.54159	Exoc2(-36502),Ahr(+47129)	N/A
Chr13	74245448	74245653	Chr13.54162	Exoc3(-36851),Ahr(+46780)	N/A
Chr13	75420876	75421140	Chr13.54986	Elf2(-286476),Pcsk1(+331182)	N/A
Chr13	75531774	75531874	Chr13.55046	Elf2(-175660),Pcsk1(-441998)	N/A
Chr13	75707254	75707461	Chr13.55144	Elf2(-126)	N/A
Chr13	75709593	75709735	Chr13.55158	Glx(-130204),Elf2(+2180)	N/A
Chr13	75741319	75741453	Chr13.55213	Glx(-98482),Elf2(+33902)	N/A
Chr13	75742491	75742841	Chr13.55218	Glx(-97202),Elf2(+35182)	N/A
Chr13	75765761	75766073	Chr13.55268	Glx(-73951),Elf2(+58433)	N/A
Chr13	75941065	75941170	Chr13.55418	Rhob3(+2749),Glx(+101250)	N/A
Chr13	76579469	76579652	Chr13.55627	Mtp1(-113)	N/A
Chr13	76760392	76760581	Chr13.55974	Mtp1(+180813),Sf1(+374986)	N/A
Chr13	76802173	76802681	Chr13.55989	Mtp1(+222753),Sf1(+333046)	N/A
Chr13	76802918	76803071	Chr13.56015	Mtp1(+229621),Sf1(+326178)	N/A
Chr13	76809410	76809518	Chr13.56017	Mtp1(+229790),Sf1(+326009)	N/A
Chr13	76825008	76825470	Chr13.56075	Mtp1(+245568),Sf1(+310234)	N/A
Chr13	76827812	76827990	Chr13.56092	Mtp1(+248227),Sf1(+307572)	N/A
Chr13	76839579	76839846	Chr13.56143	Mtp1(+260039),Sf1(+295760)	N/A
Chr13	76846874	76847038	Chr13.56176	Mtp1(+267282),Sf1(+288517)	N/A
Chr13	76854386	76854799	Chr13.56189	Mtp1(+274919),Sf1(+280880)	N/A
Chr13	76855821	76855981	Chr13.56195	Mtp1(+276076),Sf1(+279723)	N/A
Chr13	76921193	76921460	Chr13.56311	Sf1(+21446),Mtp1(+341653)	N/A

Chr13	76921948	76922206	Chr13.56318	<i>Sif1</i> (+213396), <i>Mctp1</i> (+342403)	N/A
Chr13	76925754	76925872	Chr13.56329	<i>Sif1</i> (+209660), <i>Mctp1</i> (+346139)	N/A
Chr13	76926361	76926493	Chr13.56335	<i>Sif1</i> (+209046), <i>Mctp1</i> (+346753)	N/A
Chr13	76926662	76926776	Chr13.56338	<i>Sif1</i> (+208754), <i>Mctp1</i> (+347045)	N/A
Chr13	76926938	76927250	Chr13.56340	<i>Sif1</i> (+208379), <i>Mctp1</i> (+347420)	N/A
Chr12	12520435	12520562	Chr13.5639	<i>Edaradd</i> (-49)	N/A
Chr13	76968398	76968586	Chr13.56407	<i>Sif1</i> (+166981), <i>Mctp1</i> (+388818)	N/A
Chr13	77001778	77001921	Chr13.56420	<i>Sif1</i> (+13623), <i>Mctp1</i> (+422176)	N/A
Chr13	77002475	77002925	Chr13.56424	<i>Sif1</i> (+13273), <i>Mctp1</i> (+423026)	N/A
Chr13	77002996	77003158	Chr13.56427	<i>Sif1</i> (+133396), <i>Mctp1</i> (+423403)	N/A
Chr13	77047376	77047735	Chr13.56521	<i>Sif1</i> (+87917), <i>Mctp1</i> (+467882)	N/A
Chr13	77135449	77135554	Chr13.56585	221040821rik(-38), <i>Sif1</i> (-29)	N/A
Chr13	77264657	77264771	Chr13.56761	<i>Fam172a</i> (-443976),221040821rik(+129174)	N/A
Chr13	77265136	77265237	Chr13.56769	<i>Fam172a</i> (-443503),221040821rik(+129647)	N/A
Chr13	77272256	77272429	Chr13.56802	<i>Fam172a</i> (-363471),221040821rik(+136803)	N/A
Chr13	77323951	77324053	Chr13.56847	<i>Fam172a</i> (-384486),221040821rik(+188662)	N/A
Chr13	77325991	77326569	Chr13.56856	<i>Fam172a</i> (-382410),221040821rik(+190740)	N/A
Chr13	77327309	77327451	Chr13.56862	<i>Fam172a</i> (-381310),221040821rik(+191840)	N/A
Chr13	77411191	77411559	Chr13.57000	<i>Fam172a</i> (-297315),221040821rik(+275835)	N/A
Chr13	77710876	77710862	Chr13.57257	<i>Fam172a</i> (-94)	N/A
Chr13	77891149	77891988	Chr13.57357	<i>Pou5f2</i> (-131344), <i>Fam172a</i> (+182879)	N/A
Chr13	77894580	77894760	Chr13.57371	<i>Pou5f2</i> (-128243), <i>Fam172a</i> (+185980)	N/A
Chr13	77898132	77898339	Chr13.57388	<i>Pou5f2</i> (-124677), <i>Fam172a</i> (+189546)	N/A
Chr13	77898370	77898731	Chr13.57390	<i>Pou5f2</i> (-124362), <i>Fam172a</i> (+189861)	N/A
Chr13	77898907	77899013	Chr13.57399	<i>Pou5f2</i> (-123953), <i>Fam172a</i> (+190270)	N/A
Chr13	77900876	77901316	Chr13.57409	<i>Pou5f2</i> (-121817), <i>Fam172a</i> (+192406)	N/A
Chr13	77982196	77982439	Chr13.57502	<i>Pou5f2</i> (-40585), <i>Fam172a</i> (+273628)	N/A
Chr13	77991385	77991738	Chr13.57537	<i>Pou5f2</i> (-31351), <i>Fam172a</i> (+282872)	N/A
Chr13	78101528	78101640	Chr13.57720	<i>Pou5f2</i> (+78671), <i>Nr2f1</i> (+98173)	N/A
Chr13	78163718	78163920	Chr13.57786	<i>Nr2f1</i> (+35938), <i>Pou5f2</i> (+140906)	N/A
Chr13	78165596	78165714	Chr13.57803	<i>Nr2f1</i> (+34102), <i>Pou5f2</i> (+142742)	N/A
Chr13	78176565	78176672	Chr13.57881	<i>Nr2f1</i> (+23138), <i>Pou5f2</i> (+153706)	N/A
Chr13	78177728	78178086	Chr13.57889	<i>Nr2f1</i> (+21850), <i>Pou5f2</i> (+154994)	N/A
Chr13	78178465	78178624	Chr13.57893	<i>Nr2f1</i> (+21212), <i>Pou5f2</i> (+155632)	N/A
Chr13	78180241	78180424	Chr13.57904	<i>Nr2f1</i> (+19424), <i>Pou5f2</i> (+157420)	N/A
Chr13	78180459	78180881	Chr13.57905	<i>Nr2f1</i> (+19087), <i>Pou5f2</i> (+157757)	N/A
Chr13	78181133	78181133	Chr13.57906	<i>Nr2f1</i> (+18721), <i>Pou5f2</i> (+158123)	N/A
Chr13	78181221	78181535	Chr13.57908	<i>Nr2f1</i> (+18379), <i>Pou5f2</i> (+158465)	N/A
Chr13	78181617	78181936	Chr13.57911	<i>Nr2f1</i> (+17980), <i>Pou5f2</i> (+158864)	N/A
Chr13	78182901	78183420	Chr13.57926	<i>Nr2f1</i> (+16596), <i>Pou5f2</i> (+160248)	N/A
Chr13	78184006	78184204	Chr13.57933	<i>Nr2f1</i> (+15652), <i>Pou5f2</i> (+161192)	N/A
Chr13	78184273	78184465	Chr13.57935	<i>Nr2f1</i> (+15393), <i>Pou5f2</i> (+161451)	N/A
Chr13	78184588	78184833	Chr13.57938	<i>Nr2f1</i> (+14996), <i>Pou5f2</i> (+161848)	N/A
Chr13	78185423	78185710	Chr13.57942	<i>Nr2f1</i> (+14190), <i>Pou5f2</i> (+162654)	N/A
Chr13	78187354	78187481	Chr13.57948	<i>Nr2f1</i> (+12339), <i>Pou5f2</i> (+164505)	N/A
Chr13	78187930	78188057	Chr13.57951	<i>Nr2f1</i> (+11763), <i>Pou5f2</i> (+165081)	N/A
Chr13	78188950	78189185	Chr13.57955	<i>Nr2f1</i> (+10689), <i>Pou5f2</i> (+166155)	N/A
Chr13	78190596	78190854	Chr13.57968	<i>Nr2f1</i> (+96031), <i>Pou5f2</i> (+167813)	N/A
Chr13	78191121	78191542	Chr13.57973	<i>Nr2f1</i> (+8425), <i>Pou5f2</i> (+168419)	N/A
Chr13	78191655	78191761	Chr13.57979	<i>Nr2f1</i> (+8049), <i>Pou5f2</i> (+168795)	N/A
Chr13	78192247	78192614	Chr13.57983	<i>Nr2f1</i> (+7326), <i>Pou5f2</i> (+169518)	N/A
Chr13	78192664	78193024	Chr13.57986	<i>Nr2f1</i> (+6913), <i>Pou5f2</i> (+169931)	N/A
Chr13	78193022	78193348	Chr13.57989	<i>Nr2f1</i> (+6482), <i>Pou5f2</i> (+170362)	N/A
Chr13	78193377	78193691	Chr13.57992	<i>Nr2f1</i> (+6073), <i>Pou5f2</i> (+170771)	N/A
Chr13	78194107	78194382	Chr13.57996	<i>Nr2f1</i> (+5507), <i>Pou5f2</i> (+171337)	N/A
Chr13	78196274	78196525	Chr13.58006	<i>Nr2f1</i> (+3357), <i>Pou5f2</i> (+173487)	N/A
Chr13	78196975	78197488	Chr13.58009	<i>Nr2f1</i> (+2525), <i>Pou5f2</i> (+174319)	N/A
Chr13	78197820	78197949	Chr13.58013	<i>Nr2f1</i> (+1872), <i>Pou5f2</i> (+174972)	N/A
Chr13	78199637	78199758	Chr13.58026	<i>Nr2f1</i> (+59)	N/A
Chr13	78199816	78199952	Chr13.58027	<i>Nr2f1</i> (+127)	N/A
Chr13	78200341	78200561	Chr13.58031	<i>Nr2f1</i> (+694)	N/A
Chr13	78201807	78201927	Chr13.58035	<i>Nr2f1</i> (+2110)	N/A
Chr13	78202081	78202215	Chr13.58036	<i>Nr2f1</i> (-2391)	N/A
Chr13	78202295	78202428	Chr13.58039	<i>Nr2f1</i> (-2605)	N/A
Chr13	78203307	78203559	Chr13.58053	<i>Nr2f1</i> (-5678)	N/A
Chr13	78206979	78207182	Chr13.58070	<i>Nr2f1</i> (-7324)	N/A
Chr13	78208133	78208318	Chr13.58075	<i>Nr2f1</i> (-8469)	N/A
Chr13	78208906	78209216	Chr13.58080	<i>Nr2f1</i> (-9304)	N/A
Chr13	78210200	78210361	Chr13.58085	<i>Nr2f1</i> (-10524)	N/A
Chr13	78211202	78211324	Chr13.58086	<i>Nr2f1</i> (-11506)	N/A
Chr13	78426390	78426493	Chr13.58204	<i>Nr2f1</i> (-226690)	N/A
Chr13	78427299	78427781	Chr13.58211	<i>Nr2f1</i> (-227783)	N/A
Chr13	78427821	78427961	Chr13.58218	<i>Nr2f1</i> (-228134)	N/A
Chr13	78444734	78444842	Chr13.58244	<i>Nr2f1</i> (-245031)	N/A
Chr13	78445000	78445186	Chr13.58246	<i>Nr2f1</i> (-245336)	N/A
Chr13	78445593	78445727	Chr13.58253	<i>Nr2f1</i> (-245803)	N/A
Chr13	78445785	78446079	Chr13.58255	<i>Nr2f1</i> (-246175)	N/A
Chr13	78446119	78446805	Chr13.58259	<i>Nr2f1</i> (-246705)	N/A
Chr13	78483270	78483469	Chr13.58341	<i>Nr2f1</i> (-283613)	N/A
Chr13	78483623	78483805	Chr13.58348	<i>Nr2f1</i> (-283957)	N/A
Chr13	78576580	78576946	Chr13.58440	<i>Nr2f1</i> (-377006)	N/A
Chr13	78576993	78577149	Chr13.58443	<i>Nr2f1</i> (-377309)	N/A
Chr13	78625656	78625777	Chr13.58550	<i>Nr2f1</i> (-425960)	N/A
Chr13	78625873	78626177	Chr13.58553	<i>Nr2f1</i> (-426268)	N/A
Chr13	78628967	78629440	Chr13.58562	<i>Nr2f1</i> (-429447)	N/A
Chr13	78638370	78638510	Chr13.58576	<i>Nr2f1</i> (-438683)	N/A
Chr13	78638746	78638887	Chr13.58577	<i>Nr2f1</i> (-439600)	N/A
Chr13	78644602	78644714	Chr13.58588	<i>Nr2f1</i> (-444901)	N/A
Chr13	13484483	13484601	Chr13.5866	<i>Lyst</i> (-105867), <i>Nid1</i> (+46940)	N/A
Chr13	78697816	78698211	Chr13.58672	<i>Nr2f1</i> (-498257)	N/A
Chr13	78909964	78910162	Chr13.58963	<i>Nr2f1</i> (-710306)	N/A
Chr13	79007599	79007708	Chr13.59081	<i>Nr2f1</i> (-807897)	N/A
Chr13	79029635	79029829	Chr13.59104	<i>Nr2f1</i> (-829875)	N/A
Chr13	79030081	79030195	Chr13.59106	<i>Nr2f1</i> (-830381)	N/A
Chr13	79133888	79133996	Chr13.59231	<i>Nr2f1</i> (-934185)	N/A
Chr13	79285587	79285728	Chr13.59380	None	N/A
Chr13	79312856	79313145	Chr13.59423	None	N/A
Chr13	79341597	79341806	Chr13.59456	None	N/A
Chr13	79343825	79343961	Chr13.59471	None	N/A
Chr13	79346783	79347204	Chr13.59487	None	N/A
Chr13	79347270	79347425	Chr13.59492	None	N/A
Chr13	79364428	79364656	Chr13.59513	None	N/A
Chr13	79442473	79442699	Chr13.59599	None	N/A
Chr13	79442938	79443131	Chr13.59604	None	N/A
Chr13	79497432	79497588	Chr13.59616	None	N/A
Chr13	79784964	79785395	Chr13.59724	None	N/A
Chr13	13590230	13590329	Chr13.5974	<i>Lyst</i> (-129)	N/A
Chr13	79845507	79845676	Chr13.59757	None	N/A
Chr13	80709332	80709737	Chr13.60308	<i>Ardc3</i> (-173875)	N/A
Chr13	80744073	80744355	Chr13.60337	<i>Ardc3</i> (-139198)	N/A
Chr13	80882644	80882756	Chr13.60406	<i>Ardc3</i> (-710)	N/A
Chr13	80883303	80883531	Chr13.60412	<i>Ardc3</i> (+7)	N/A
Chr13	80884351	80884462	Chr13.60417	<i>Ardc3</i> (+997)	N/A
Chr13	80884523	80884691	Chr13.60419	<i>Ardc3</i> (+1332), <i>Adgrv1</i> (+748422)	N/A
Chr13	80885546	80885686	Chr13.60424	<i>Ardc3</i> (+32196), <i>Adgrv1</i> (+747548)	N/A
Chr13	80940428	80940691	Chr13.60490	<i>Ardc3</i> (+57150), <i>Adgrv1</i> (+692594)	N/A
Chr13	80941065	80941171	Chr13.60497	<i>Ardc3</i> (+57708), <i>Adgrv1</i> (+692036)	N/A
Chr13	80949162	80949363	Chr13.60509	<i>Ardc3</i> (+65853), <i>Adgrv1</i> (+683891)	N/A
Chr13	80951307	80951471	Chr13.60519	<i>Ardc3</i> (+67979), <i>Adgrv1</i> (+681765)	N/A
Chr13	80963373	80963484	Chr13.60528	<i>Ardc3</i> (+80019), <i>Adgrv1</i> (+689725)	N/A
Chr13	81108529	81108818	Chr13.60609	<i>Ardc3</i> (+225264), <i>Adgrv1</i> (+524480)	N/A
Chr13	81108980	81109117	Chr13.60616	<i>Ardc3</i> (+225639), <i>Adgrv1</i> (+524105)	N/A
Chr13	81132776	81132946	Chr13.60630	<i>Ardc3</i> (+249451), <i>Adgrv1</i> (+500293)	N/A
Chr13	81136418	81136532	Chr13.60635	<i>Ardc3</i> (+253065), <i>Adgrv1</i> (+496679)	N/A
Chr13	81136688	81136943	Chr13.60636	<i>Ardc3</i> (+253406), <i>Adgrv1</i> (+496338)	N/A
Chr13	81150254	81150508	Chr13.60641	<i>Ardc3</i> (+266971), <i>Adgrv1</i> (+482773)	N/A
Chr13	81176403	81176516	Chr13.60668	<i>Ardc3</i> (+293050), <i>Adgrv1</i> (+456694)	N/A
Chr13	81234244	81234353	Chr13.60710	<i>Ardc3</i> (+350889), <i>Adgrv1</i> (+398855)	N/A
Chr13	81315052	81315221	Chr13.60750	<i>Adgrv1</i> (+318017), <i>Ardc3</i> (+431727)	N/A
Chr13	81332136	81332299	Chr13.60786	<i>Adgrv1</i> (+300936), <i>Ardc3</i> (+448808)	N/A
Chr13	81352360	81352593	Chr13.60794	<i>Adgrv1</i> (+280677), <i>Ardc3</i> (+469067)	N/A
Chr13	81629446	81629678	Chr13.61402	<i>Adgrv1</i> (+3642), <i>Ardc3</i> (+746102)	N/A
Chr13	81633200	81633361	Chr13.61410	<i>Adgrv1</i> (-127)	N/A
Chr13	81639694	81639900	Chr13.61416	<i>Lysmd3</i> (-18009), <i>Adgrv1</i> (-6643)	N/A
Chr13	81641555	81641947	Chr13.61421	<i>Lysmd3</i> (-16055), <i>Adgrv1</i> (-8597)	N/A
Chr13	81656474	81656716	Chr13.61431	<i>Lysmd3</i> (-1211)	N/A
Chr13	81828500	81828774	Chr13.61595	<i>Celn3</i> (+45345)	N/A
Chr13	81944242	81944603	Chr13.61714	<i>Celn3</i> (+161131)	N/A

Chr13	81945931	81946325	Chr13.61720	Cetn3(+162836)	N/A
Chr13	82057890	82058644	Chr13.61820	Cetn3(+274975)	N/A
Chr13	82059225	82059553	Chr13.61830	Cetn3(+276097)	N/A
Chr13	82064662	82065925	Chr13.61845	Cetn3(+283402)	N/A
Chr13	82252827	82253207	Chr13.61969	Cetn3(+498728)	N/A
Chr13	82283430	82283539	Chr13.62029	Cetn3(+500193)	N/A
Chr13	82432371	82432613	Chr13.62150	Cetn3(+649200)	N/A
Chr13	82508190	82508545	Chr13.62208	MeF2c(-995666), Cetn3(+725076)	N/A
Chr13	82614205	82614405	Chr13.62302	MeF2c(-889729), Cetn3(+831013)	N/A
Chr13	82619152	82619378	Chr13.62308	MeF2c(-884769), Cetn3(+835973)	N/A
Chr13	82846361	82846487	Chr13.62484	MeF2c(-657610)	N/A
Chr13	82892575	82892957	Chr13.62522	MeF2c(-611268)	N/A
Chr13	82942905	82943062	Chr13.62615	MeF2c(-561050)	N/A
Chr13	83110469	83111025	Chr13.62791	MeF2c(-393287)	N/A
Chr13	83111540	83111772	Chr13.62798	MeF2c(-392378)	N/A
Chr13	83113021	83113154	Chr13.62805	MeF2c(-380946)	N/A
Chr13	83132465	83132728	Chr13.62848	MeF2c(-371437)	N/A
Chr13	83132760	83132876	Chr13.62853	MeF2c(-371216)	N/A
Chr13	83133241	83133387	Chr13.62855	MeF2c(-370720)	N/A
Chr13	83133454	83133680	Chr13.62856	MeF2c(-370467)	N/A
Chr13	83207578	83207754	Chr13.62903	MeF2c(-296368)	N/A
Chr13	83214935	83215057	Chr13.62915	MeF2c(-289038)	N/A
Chr13	83215100	83215215	Chr13.62917	MeF2c(-288876)	N/A
Chr13	83267412	83267681	Chr13.62975	MeF2c(-236487)	N/A
Chr13	83269326	83269553	Chr13.62991	MeF2c(-234589)	N/A
Chr13	83307484	83307825	Chr13.63047	MeF2c(-196379)	N/A
Chr13	83334058	83334194	Chr13.63112	MeF2c(-169908)	N/A
Chr13	83450426	83450687	Chr13.63326	MeF2c(-53477)	N/A
Chr13	83450832	83451025	Chr13.63329	MeF2c(-53105)	N/A
Chr13	83461406	83462171	Chr13.63353	MeF2c(-42245)	N/A
Chr13	83462370	83462604	Chr13.63355	MeF2c(-41527)	N/A
Chr13	83466561	83466681	Chr13.63363	MeF2c(-37410)	N/A
Chr13	83480426	83480667	Chr13.63389	MeF2c(-23487)	N/A
Chr13	83481391	83481737	Chr13.63400	MeF2c(-22470)	N/A
Chr13	83523292	83523524	Chr13.63489	Tmem161b(-698888), MeF2c(+19374)	N/A
Chr13	83523983	83524174	Chr13.63496	Tmem161b(-698217), MeF2c(+20048)	N/A
Chr13	83524824	83525147	Chr13.63498	Tmem161b(-697310), MeF2c(+20952)	N/A
Chr13	83525286	83525412	Chr13.63501	Tmem161b(-696947), MeF2c(+21315)	N/A
Chr13	83526099	83526239	Chr13.63504	Tmem161b(-696127), MeF2c(+22135)	N/A
Chr13	83526279	83526436	Chr13.63507	Tmem161b(-695938), MeF2c(+22324)	N/A
Chr13	83527937	83528299	Chr13.63515	Tmem161b(-694178), MeF2c(+24084)	N/A
Chr13	83532030	83532299	Chr13.63531	Tmem161b(-690131), MeF2c(+28131)	N/A
Chr13	83537096	83537271	Chr13.63553	Tmem161b(-685112), MeF2c(+33150)	N/A
Chr13	83544774	83544918	Chr13.63577	Tmem161b(-677450), MeF2c(+40812)	N/A
Chr13	83565811	83566069	Chr13.63610	Tmem161b(-656356), MeF2c(+61906)	N/A
Chr13	83566112	83566595	Chr13.63612	Tmem161b(-655942), MeF2c(+62320)	N/A
Chr13	83566952	83567206	Chr13.63615	Tmem161b(-655217), MeF2c(+63048)	N/A
Chr13	83568030	83568039	Chr13.63620	Tmem161b(-653311), MeF2c(+71981)	N/A
Chr13	83572098	83572249	Chr13.63644	Tmem161b(-650122), MeF2c(+68140)	N/A
Chr13	83572385	83572508	Chr13.63645	Tmem161b(-649849), MeF2c(+68413)	N/A
Chr13	83572605	83572717	Chr13.63647	Tmem161b(-649635), MeF2c(+68627)	N/A
Chr13	83573456	83573628	Chr13.63650	Tmem161b(-648754), MeF2c(+69508)	N/A
Chr13	83573686	83573801	Chr13.63653	Tmem161b(-648552), MeF2c(+69710)	N/A
Chr13	83575953	83576077	Chr13.63663	Tmem161b(-646281), MeF2c(+71981)	N/A
Chr13	83582648	83582914	Chr13.63681	Tmem161b(-639515), MeF2c(+78747)	N/A
Chr13	83583852	83584259	Chr13.63684	Tmem161b(-638240), MeF2c(+80022)	N/A
Chr13	83585405	83585568	Chr13.63697	Tmem161b(-636809), MeF2c(+81453)	N/A
Chr13	83603341	83603453	Chr13.63732	Tmem161b(-618899), MeF2c(+99363)	N/A
Chr13	83603305	83603818	Chr13.63736	Tmem161b(-618634), MeF2c(+99628)	N/A
Chr13	83603933	83604280	Chr13.63738	Tmem161b(-618184), MeF2c(+100078)	N/A
Chr13	83604357	83604481	Chr13.63741	Tmem161b(-617877), MeF2c(+100385)	N/A
Chr13	83604803	83605244	Chr13.63744	Tmem161b(-617272), MeF2c(+100990)	N/A
Chr13	83644701	83644880	Chr13.63854	Tmem161b(-577505), MeF2c(+140757)	N/A
Chr13	83649944	83650208	Chr13.63879	Tmem161b(-572220), MeF2c(+148042)	N/A
Chr13	83652288	83652479	Chr13.63885	Tmem161b(-569912), MeF2c(+148350)	N/A
Chr13	83666843	83667093	Chr13.63960	Tmem161b(-555328), MeF2c(+162934)	N/A
Chr13	83715221	83715484	Chr13.63975	Tmem161b(-506943), MeF2c(+211319)	N/A
Chr13	83722117	83722219	Chr13.64002	Tmem161b(-500128), MeF2c(+218134)	N/A
Chr13	83722455	83722619	Chr13.64004	Tmem161b(-499759), MeF2c(+218503)	N/A
Chr13	83727168	83727269	Chr13.64021	Tmem161b(-495077), MeF2c(+223169)	N/A
Chr13	83727338	83727465	Chr13.64022	Tmem161b(-494894), MeF2c(+223368)	N/A
Chr13	83727876	83727977	Chr13.64027	Tmem161b(-494369), MeF2c(+223893)	N/A
Chr13	83728011	83728161	Chr13.64028	Tmem161b(-494210), MeF2c(+224052)	N/A
Chr13	83728200	83728337	Chr13.64030	Tmem161b(-494027), MeF2c(+224235)	N/A
Chr13	83728636	83728841	Chr13.64034	Tmem161b(-493557), MeF2c(+224705)	N/A
Chr13	83728972	83729141	Chr13.64037	Tmem161b(-493239), MeF2c(+225029)	N/A
Chr13	83729449	83729822	Chr13.64040	Tmem161b(-492660), MeF2c(+225602)	N/A
Chr13	83730164	83730369	Chr13.64043	Tmem161b(-492029), MeF2c(+226233)	N/A
Chr13	83732149	83732511	Chr13.64047	Tmem161b(-489966), MeF2c(+228296)	N/A
Chr13	83732933	83733040	Chr13.64053	Tmem161b(-489309), MeF2c(+228953)	N/A
Chr13	83733963	83734338	Chr13.64063	Tmem161b(-488145), MeF2c(+230117)	N/A
Chr13	83734927	83735028	Chr13.64075	Tmem161b(-487318), MeF2c(+230944)	N/A
Chr13	83736197	83736332	Chr13.64089	Tmem161b(-486031), MeF2c(+232231)	N/A
Chr13	83737805	83737906	Chr13.64100	Tmem161b(-484439), MeF2c(+233823)	N/A
Chr13	83738099	83738213	Chr13.64102	Tmem161b(-484140), MeF2c(+234122)	N/A
Chr13	83738393	83738603	Chr13.64104	Tmem161b(-483798), MeF2c(+234464)	N/A
Chr13	83739806	83740121	Chr13.64112	Tmem161b(-482282), MeF2c(+235904)	N/A
Chr13	83741474	83742089	Chr13.64121	Tmem161b(-480514), MeF2c(+237748)	N/A
Chr13	83744732	83744992	Chr13.64137	Tmem161b(-477434), MeF2c(+240828)	N/A
Chr13	83867782	83868047	Chr13.64266	Tmem161b(-354381), MeF2c(+363881)	N/A
Chr13	83868804	83868967	Chr13.64273	Tmem161b(-353410), MeF2c(+364852)	N/A
Chr13	83869001	83869106	Chr13.64274	Tmem161b(-353241), MeF2c(+365021)	N/A
Chr13	83872823	83873359	Chr13.64310	Tmem161b(-349205), MeF2c(+369057)	N/A
Chr13	83873398	83873533	Chr13.64311	Tmem161b(-348830), MeF2c(+369432)	N/A
Chr13	83887864	83888376	Chr13.64418	Tmem161b(-234175), MeF2c(+484087)	N/A
Chr13	84051033	84051297	Chr13.64508	Tmem161b(-171131), MeF2c(+547131)	N/A
Chr13	84055013	84055235	Chr13.64541	Tmem161b(-167172), MeF2c(+551090)	N/A
Chr13	84058754	84058875	Chr13.64551	Tmem161b(-165481), MeF2c(+552781)	N/A
Chr13	84057086	84057328	Chr13.64555	Tmem161b(-165089), MeF2c(+553173)	N/A
Chr13	84057579	84057792	Chr13.64558	Tmem161b(-164610), MeF2c(+553652)	N/A
Chr13	84061773	84062026	Chr13.64593	Tmem161b(-160396), MeF2c(+557866)	N/A
Chr13	84062665	84062800	Chr13.64598	Tmem161b(-159563), MeF2c(+558699)	N/A
Chr13	14063311	14063438	Chr13.6461	And4b(-417), Gggs1(+26)	N/A
Chr13	84066539	84066903	Chr13.64626	Tmem161b(-155575), MeF2c(+562687)	N/A
Chr13	14063554	14063733	Chr13.6464	Gggs1(-243), And4b(-148)	N/A
Chr13	14063858	14064039	Chr13.6468	Gggs1(-548), And4b(+157)	N/A
Chr13	84222124	84222323	Chr13.64710	Tmem161b(-72)	N/A
Chr13	14065193	14065305	Chr13.6476	Gggs1(-1848), And4b(+1457)	N/A
Chr13	84346653	84346767	Chr13.64821	Tmem161b(+124414), Gm4076(+780804)	N/A
Chr13	84347314	84347413	Chr13.64824	Tmem161b(+125058), Gm4076(+780150)	N/A
Chr13	84347754	84347932	Chr13.64827	Tmem161b(+125547), Gm4076(+779671)	N/A
Chr13	84348651	84348803	Chr13.64835	Tmem161b(+126431), Gm4076(+778787)	N/A
Chr13	84404500	84404998	Chr13.64902	Tmem161b(+182453), Gm4076(+722765)	N/A
Chr13	84569662	84569769	Chr13.65045	Tmem161b(+347420), Gm4076(+557798)	N/A
Chr13	84572515	84572617	Chr13.65063	Tmem161b(+350270), Gm4076(+554949)	N/A
Chr13	84646745	84646871	Chr13.65165	Tmem161b(+424512), Gm4076(+840706)	N/A
Chr13	85639868	85639968	Chr13.65834	Rasa1(-350889), Cox7c(+406986)	N/A
Chr13	85926901	85927013	Chr13.65989	Rasa1(-637928), Cox7c(+119947)	N/A
Chr13	88651315	88651315	Chr13.66507	Edl3(-170292)	N/A
Chr13	89122338	89122499	Chr13.66810	Hapln1(-418217), Edl3(+300908)	N/A
Chr13	89148420	89148640	Chr13.66829	Hapln1(-394101), Edl3(+325024)	N/A
Chr13	89335998	89336220	Chr13.67015	Hapln1(-204527), Edl3(+514598)	N/A
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Chr13	89428515	89428724	Chr13.67111	Hapln1(-112016), Edl3(+607109)	N/A
Chr13	89519543	89519678	Chr13.67191	Hapln1(-210225), Edl3(+698100)	N/A
Chr13	89539793	89539969	Chr13.67219	Hapln1(-755)	N/A
Chr13	89540545	89540757	Chr13.67224	Hapln1(+15)	N/A
Chr13	89541679	89541858	Chr13.67229	Hapln1(+1133), Vcan(+200740)	N/A
Chr13	89542405	89542645	Chr13.67232	Hapln1(+1889), Vcan(+199984)	N/A
Chr13	89656716	89656970	Chr13.67420	Vcan(+85666), Hapln1(+116207)	N/A
Chr13	89669254	89669634	Chr13.67442	Vcan(+73055), Hapln1(+128808)	N/A
Chr13	14521361	14521494	Chr13.67554	Hecw1(+1798), And4b(+576365)	N/A
Chr13	14521762	14521929	Chr13.67559	Hecw1(+1380), And4b(+580504)	N/A
Chr13	89708633	89708836	Chr13.67645	Vcan(+33774), Hapln1(+168099)	N/A
Chr13	89740348	89740648	Chr13.67727	Vcan(+2011), Hapln1(+199862)	N/A
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Chr13	89742266	89742636	Chr13.67743	Vcan(+58)	N/A
Chr13	89743392	89743483	Chr13.67754	Vcan(-914)	N/A

Chr13	89791548	89791662	Chr13.67798	Tmem167(-297518), Vcan(-49096)	N/A
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Chr13	90131719	90131846	Chr13.68045	Gm21726(-451617), Xrcc4(-42179)	N/A
Chr13	90152807	90152938	Chr13.68086	Gm21726(-430527), Xrcc4(-53265)	N/A
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Chr13	90294179	90294316	Chr13.68199	Gm21726(-289152), Xrcc4(-204640)	N/A
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Chr13	90335221	90335410	Chr13.68241	Gm21726(-248940), Xrcc4(-245708)	N/A
Chr13	90343537	90343657	Chr13.68266	Xrcc4(-253389), Gm21726(-239803)	N/A
Chr13	90371699	90371884	Chr13.68304	Xrcc4(-282184), Gm21726(-211608)	N/A
Chr13	90373903	90374089	Chr13.68310	Xrcc4(-284388), Gm21726(-209404)	N/A
Chr13	90395051	90395273	Chr13.68330	Xrcc4(-305554), Gm21726(-186238)	N/A
Chr13	90395662	90395862	Chr13.68332	Xrcc4(-305881), Gm21726(-187911)	N/A
Chr13	90420876	90421000	Chr13.68359	Xrcc4(-331330), Gm21726(-162462)	N/A
Chr13	90421041	90421401	Chr13.68363	Xrcc4(-331613), Gm21726(-162179)	N/A
Chr13	90466200	90466402	Chr13.68381	Xrcc4(-378693), Gm21726(-117099)	N/A
Chr13	90478780	90479035	Chr13.68399	Xrcc4(-389300), Gm21726(-104492)	N/A
Chr13	90491298	90491529	Chr13.68402	Xrcc4(-401440), Gm21726(-92352)	N/A
Chr13	90491267	90491507	Chr13.68405	Xrcc4(-401779), Gm21726(-92013)	N/A
Chr13	90497543	90497760	Chr13.68410	Xrcc4(-408044), Gm21726(-85748)	N/A
Chr13	90504392	90504564	Chr13.68412	Xrcc4(-414870), Gm21726(-78922)	N/A
Chr13	90517414	90517611	Chr13.68428	Xrcc4(-427905), Gm21726(-65887)	N/A
Chr13	90517689	90517873	Chr13.68433	Xrcc4(-428176), Gm21726(-65616)	N/A
Chr13	90518060	90518178	Chr13.68436	Xrcc4(-428311), Gm21726(-65301)	N/A
Chr13	90521572	90521728	Chr13.68443	Xrcc4(-432042), Gm21726(-61750)	N/A
Chr13	90546775	90546902	Chr13.68459	Xrcc4(-457231), Gm21726(-36561)	N/A
Chr13	90642160	90642520	Chr13.68509	Gm21726(+58940), Atp6ap1l(+263015)	N/A
Chr13	90681143	90681331	Chr13.68533	Gm21726(+77837), Atp6ap1l(+244118)	N/A
Chr13	90679279	90679447	Chr13.68540	Gm21726(+95963), Atp6ap1l(+225992)	N/A
Chr13	90718924	90719152	Chr13.68566	Gm21726(+135638), Atp6ap1l(+186317)	N/A
Chr13	90762453	90762586	Chr13.68602	Atp6ap1l(+142835), Gm21726(+179120)	N/A
Chr13	90782084	90782209	Chr13.68607	Atp6ap1l(+123208), Gm21726(+198747)	N/A
Chr13	90798858	90799079	Chr13.68620	Atp6ap1l(+106386), Gm21726(+215569)	N/A
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Chr13	90813827	90813942	Chr13.68631	Atp6ap1l(+91470), Gm21726(+230485)	N/A
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Chr13	90861095	90861292	Chr13.68683	Atp6ap1l(+44161), Gm21726(+277794)	N/A
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Chr13	90872693	90872903	Chr13.68701	Atp6ap1l(+32557), Gm21726(+289399)	N/A
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Chr13	91093681	91093871	Chr13.68932	Atg10(+130211), Rps23(+170645)	N/A
Chr13	91094523	91094754	Chr13.68933	Atg10(+129348), Rps23(+171508)	N/A
Chr13	91095243	91095487	Chr13.68936	Atg10(+128622), Rps23(+172234)	N/A
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Chr13	91135599	91135706	Chr13.68979	Atg10(+88339), Rps23(+212517)	N/A
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Chr13	91159756	91159859	Chr13.68992	Atg10(+64179), Rps23(+236677)	N/A
Chr13	91187810	91187956	Chr13.69002	Atg10(+36103), Rps23(+264753)	N/A
Chr13	91238133	91238376	Chr13.69029	Ssbp2(-222795), Atg10(-14268)	N/A
Chr13	91365357	91365640	Chr13.69104	Atg10(-141512), Ssbp2(-95551)	N/A
Chr13	91368742	91368976	Chr13.69116	Atg10(-142872), Ssbp2(-94191)	N/A
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Chr13	91372268	91372419	Chr13.69150	Atg10(-148357), Ssbp2(-88706)	N/A
Chr13	91372970	91373140	Chr13.69155	Atg10(-149068), Ssbp2(-87995)	N/A
Chr13	91374267	91374458	Chr13.69162	Atg10(-150376), Ssbp2(-86687)	N/A
Chr13	91374467	913744612	Chr13.69164	Atg10(-150563), Ssbp2(-86509)	N/A
Chr13	91375268	91375382	Chr13.69170	Atg10(-151380), Ssbp2(-86725)	N/A
Chr13	91378062	91378223	Chr13.69173	Atg10(-154156), Ssbp2(-82907)	N/A
Chr13	91380065	91380303	Chr13.69180	Atg10(-156197), Ssbp2(-80866)	N/A
Chr13	91387862	91388069	Chr13.69193	Atg10(-163979), Ssbp2(-73084)	N/A
Chr13	91388109	91388236	Chr13.69195	Atg10(-164185), Ssbp2(-72878)	N/A
Chr13	91397863	91397714	Chr13.69211	Atg10(-173872), Ssbp2(-63391)	N/A
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Chr13	91431095	91431367	Chr13.69261	Atg10(-207244), Ssbp2(-29819)	N/A
Chr13	91431452	91431825	Chr13.69262	Atg10(-207652), Ssbp2(-29411)	N/A
Chr13	91443968	91444070	Chr13.69285	Atg10(-220032), Ssbp2(-17031)	N/A
Chr13	91459602	91459703	Chr13.69326	Ssbp2(-1397)	N/A
Chr13	91460712	91460848	Chr13.69329	Ssbp2(-270)	N/A
Chr13	91462576	91462690	Chr13.69337	Acat12(-278878), Ssbp2(+1584)	N/A
Chr13	91463234	91463392	Chr13.69340	Acat12(-278199), Ssbp2(+2263)	N/A
Chr13	15052629	15052882	Chr13.69554	Gl3(-411174), Aw209491(+422548)	N/A
Chr13	15053181	15053428	Chr13.69690	Gl3(-410675), Aw209491(+423047)	N/A
Chr13	15107767	15107967	Chr13.69871	Gl3(-356128), Aw209491(+477593)	N/A
Chr13	15107997	15108242	Chr13.69875	Gl3(-355860), Aw209491(+477862)	N/A
Chr13	91973881	91974014	Chr13.69760	Ckmt2(-97063), Rasgf2(+157546)	N/A
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Chr13	92220179	92220311	Chr13.69893	Dnfr(-134538), Rasgf2(-88751)	N/A
Chr13	92331106	92331285	Chr13.69897	Rasgf2(-199702), Dnfr(-23587)	N/A
Chr13	92512435	92512731	Chr13.70204	Gl3(-291397), Aw209491(+582325)	N/A
Chr13	92631145	92631311	Chr13.70284	Serinc5(+20090), Tbsa4(+163590)	N/A
Chr13	92703603	92703722	Chr13.70349	Tbsa4(+91155), Serinc5(+92525)	N/A
Chr13	15325594	15325764	Chr13.7051	Gl3(-138301), Aw209491(+695421)	N/A
Chr13	15326293	15326395	Chr13.7056	Gl3(-137658), Aw209491(+696086)	N/A
Chr13	15331168	15331484	Chr13.7058	Gl3(-132654), Aw209491(+701068)	N/A
Chr13	92879474	92879701	Chr13.70619	Mtx3(+34801), Cmya5(+265136)	N/A
Chr13	92967152	92967348	Chr13.70683	Mtx3(+122463), Cmya5(+177474)	N/A
Chr13	92990751	92990878	Chr13.70695	Mtx3(+146028), Cmya5(+153909)	N/A
Chr13	15343713	15343855	Chr13.7072	Gl3(-120196), Aw209491(+713526)	N/A
Chr13	15345549	15345678	Chr13.7078	Gl3(-118367), Aw209491(+713355)	N/A
Chr13	93073725	93073921	Chr13.70827	Cmya5(-70901), Mtx3(-229036)	N/A
Chr13	93128568	93128746	Chr13.70957	Cmya5(+16067), Mtx3(+283870)	N/A
Chr13	93240830	93240950	Chr13.71026	Homer1(-67144), Tent2(-48607)	N/A
Chr13	93303401	93303793	Chr13.71060	Homer1(-4437)	N/A
Chr13	93304586	93304817	Chr13.71067	Homer1(-3332)	N/A
Chr13	93304856	93305316	Chr13.71070	Homer1(-2948)	N/A
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Chr13	15426874	15427043	Chr13.7119	Gl3(-37021), Aw209491(+796701)	N/A
Chr13	93435022	93435144	Chr13.71193	Jmy(+64725), Homer1(+127049)	N/A
Chr13	15461748	15461940	Chr13.7133	Gl3(-2136)	N/A
Chr13	15465002	15465180	Chr13.7142	Inhba(-546760), Gl3(+1111)	N/A
Chr13	93753147	93753147	Chr13.71440	Arab(-18594), Dmga3(-78652)	N/A
Chr13	15465993	15465936	Chr13.7145	Inhba(-546036), Gl3(-1835)	N/A
Chr13	15465982	15466240	Chr13.7148	Inhba(-545740), Gl3(+2131)	N/A
Chr13	93817067	93817251	Chr13.71499	Lhfp2(-240637), Arab(+45480)	N/A
Chr13	93820285	93820400	Chr13.71505	Lhfp2(-237453), Arab(+48664)	N/A
Chr13	93830462	93830662	Chr13.71508	Lhfp2(-227234), Arab(+58883)	N/A
Chr13	93838776	93838904	Chr13.71512	Lhfp2(-218956), Arab(+67161)	N/A
Chr13	93839236	93839474	Chr13.71517	Lhfp2(-218441), Arab(+67676)	N/A
Chr13	15466727	15467084	Chr13.7152	Inhba(-544945), Gl3(+2926)	N/A
Chr13	93848851	93848959	Chr13.71528	Lhfp2(-210891), Arab(+75226)	N/A
Chr13	15467215	15467836	Chr13.71554	Inhba(-544325), Gl3(+3546)	N/A
Chr13	93891225	93898577	Chr13.71560	Lhfp2(-159449), Arab(+128672)	N/A
Chr13	93910031	93910199	Chr13.71576	Lhfp2(-147681), Arab(+138436)	N/A
Chr13	93924857	93925037	Chr13.71593	Lhfp2(-132849), Arab(+153268)	N/A
Chr13	93929248	93929429	Chr13.71599	Lhfp2(-128457), Arab(+157660)	N/A
Chr13	15468150	15468303	Chr13.7161	Inhba(-543624), Gl3(+4247)	N/A
Chr13	15468359	15468878	Chr13.7163	Inhba(-543232), Gl3(+4639)	N/A
Chr13	93941036	93941138	Chr13.71634	Lhfp2(-116709), Arab(+169408)	N/A
Chr13	93967491	93967592	Chr13.71652	Lhfp2(-90254), Arab(+195863)	N/A
Chr13	94012400	94012552	Chr13.71676	Lhfp2(-45320), Arab(+240797)	N/A
Chr13	94027591	94027774	Chr13.71684	Lhfp2(-30113), Arab(+256004)	N/A
Chr13	94037959	94038226	Chr13.71686	Lhfp2(-19702), Arab(+266415)	N/A
Chr13	94038268	94038408	Chr13.71690	Lhfp2(-194449), Arab(+266699)	N/A
Chr13	94063214	94063398	Chr13.71704	Lhfp2(-5510), Scamp1(+225253)	N/A

Chr13	94069308	94069432	Chr13.71710	Lhfp2(+11574), Scamp1(+216459)	N/A
Chr13	94069554	94069762	Chr13.71713	Lhfp2(+11862), Scamp1(+216171)	N/A
Chr13	94070935	94071130	Chr13.71720	Lhfp2(+13237), Scamp1(+214796)	N/A
Chr13	94083554	94083490	Chr13.71745	Lhfp2(+31626), Scamp1(+196407)	N/A
Chr13	94092804	94092968	Chr13.71750	Lhfp2(+35090), Scamp1(+192943)	N/A
Chr13	94105744	94105964	Chr13.71766	Lhfp2(+48058), Scamp1(+179975)	N/A
Chr13	94107054	94107179	Chr13.71773	Lhfp2(+49321), Scamp1(+178712)	N/A
Chr13	94115626	94115742	Chr13.71782	Lhfp2(+57888), Scamp1(+170145)	N/A
Chr13	94130605	94130787	Chr13.71799	Lhfp2(+72890), Scamp1(+155143)	N/A
Chr13	94138279	94135483	Chr13.71816	Lhfp2(+77855), Scamp1(+150448)	N/A
Chr13	94136298	94136578	Chr13.71819	Lhfp2(+78642), Scamp1(+149391)	N/A
Chr13	94140207	94140433	Chr13.71825	Lhfp2(+82524), Scamp1(+145509)	N/A
Chr13	94144145	94144319	Chr13.71833	Lhfp2(+86436), Scamp1(+141597)	N/A
Chr13	94147754	94148057	Chr13.71842	Lhfp2(+90170), Scamp1(+137923)	N/A
Chr13	94151250	94151393	Chr13.71845	Lhfp2(+93526), Scamp1(+134507)	N/A
Chr13	94159135	94159286	Chr13.71855	Lhfp2(+107415), Scamp1(+126618)	N/A
Chr13	94178499	94178692	Chr13.71887	Scamp1(+107233), Lhfp2(+120800)	N/A
Chr13	15480808	15480958	Chr13.7189	Inhba(-530968), Gli3(+16903)	N/A
Chr13	94194900	94195068	Chr13.71925	Scamp1(+90845), Lhfp2(+137188)	N/A
Chr13	94195258	94195258	Chr13.71926	Scamp1(+90845), Lhfp2(+137188)	N/A
Chr13	94305942	94305788	Chr13.71978	Scamp1(+20896), Gm12060(+52103)	N/A
Chr13	15487404	15487613	Chr13.7198	Inhba(-524342), Gli3(+23529)	N/A
Chr13	94398554	94399041	Chr13.72033	Tbca(-390145), Ap3b1(+39838)	N/A
Chr13	15488295	15488411	Chr13.7207	Inhba(-523498), Gli3(+24373)	N/A
Chr13	94491292	94491591	Chr13.72146	Tbca(-297501), Ap3b1(+132482)	N/A
Chr13	94501027	94501421	Chr13.72239	Tbca(-227719), Ap3b1(+202264)	N/A
Chr13	94562704	94562816	Chr13.72250	Tbca(-226183), Ap3b1(+203800)	N/A
Chr13	94564462	94564695	Chr13.72262	Tbca(-224364), Ap3b1(+205619)	N/A
Chr13	15498334	15498540	Chr13.72228	Inhba(-513414), Gli3(+34457)	N/A
Chr13	94575638	94576045	Chr13.72283	Tbca(-213101), Ap3b1(+216882)	N/A
Chr13	94576752	94576880	Chr13.72288	Tbca(-212127), Ap3b1(+217856)	N/A
Chr13	15498573	15498678	Chr13.7232	Inhba(-513223), Gli3(+34846)	N/A
Chr13	94595499	94596034	Chr13.72347	Tbca(-193176), Ap3b1(+236807)	N/A
Chr13	94608024	94608199	Chr13.72383	Tbca(-180831), Ap3b1(+249152)	N/A
Chr13	94608472	94608684	Chr13.72385	Tbca(-180365), Ap3b1(+249618)	N/A
Chr13	94608947	94608970	Chr13.72386	Tbca(-180034), Ap3b1(+249949)	N/A
Chr13	94647715	94647911	Chr13.72432	Tbca(-141130), Ap3b1(+288583)	N/A
Chr13	94680341	94680745	Chr13.72466	Tbca(-108400), Ap3b1(+321583)	N/A
Chr13	94702084	94702556	Chr13.72509	Tbca(-86623), Ap3b1(+343360)	N/A
Chr13	94703503	94703793	Chr13.72515	Tbca(-85295), Ap3b1(+344688)	N/A
Chr13	94710046	94710469	Chr13.72543	Tbca(-78685), Ap3b1(+351298)	N/A
Chr13	94817632	94817806	Chr13.72599	Otp(-57505), Tbcap(+28776)	N/A
Chr13	15542163	15542335	Chr13.7269	Inhba(-469602), Gli3(+76269)	N/A
Chr13	94912999	94913296	Chr13.72738	Wdr41(-63200), Otp(+37521)	N/A
Chr13	95018107	95018207	Chr13.72825	Wdr41(+41809), Pde8b(+204909)	N/A
Chr13	15545386	15545721	Chr13.7286	Inhba(-466297), Gli3(+81574)	N/A
Chr13	15546412	15546543	Chr13.7292	Inhba(-465373), Gli3(+82468)	N/A
Chr13	15546787	15546899	Chr13.7299	Inhba(-465030), Gli3(+82853)	N/A
Chr13	95306898	95307049	Chr13.73018	Pde8b(-83908), Zbed3(-18263)	N/A
Chr13	95592679	95592810	Chr13.73228	F2r1(-67505), F2r2(+25714)	N/A
Chr13	15551822	15551936	Chr13.73325	Inhba(-459972), Gli3(+87899)	N/A
Chr13	15553228	15553366	Chr13.7335	Inhba(-458554), Gli3(+89317)	N/A
Chr13	15556662	15556762	Chr13.7341	Inhba(-455139), Gli3(+92732)	N/A
Chr13	95745571	95745786	Chr13.73517	F2r2(+48826), Igkap2(+146343)	N/A
Chr13	15570943	15571571	Chr13.7352	Inhba(-440594), Gli3(+107277)	N/A
Chr13	95790949	95791049	Chr13.73577	F2r2(+94146), Igkap2(+100923)	N/A
Chr13	95798823	95798944	Chr13.73588	Igkap2(+93038), F2r2(+102031)	N/A
Chr13	15577067	15577593	Chr13.7360	Inhba(-434521), Gli3(+113350)	N/A
Chr13	95832887	95833387	Chr13.73611	Igkap2(+58780), F2r2(+136289)	N/A
Chr13	95899572	95899860	Chr13.73651	Igkap2(+22206), F2r2(+172863)	N/A
Chr13	15577739	15577894	Chr13.7366	Inhba(-434034), Gli3(+113837)	N/A
Chr13	15580656	15580851	Chr13.7371	Inhba(-431097), Gli3(+116774)	N/A
Chr13	95999001	95999729	Chr13.73759	Igkap2(-107743), Sv2c(+132912)	N/A
Chr13	96175599	96175701	Chr13.73885	Poc5(-212644), Sv2c(+43073)	N/A
Chr13	15602672	15602781	Chr13.73930	Inhba(-409124), Gli3(+138174)	N/A
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Chr13	15604376	15604698	Chr13.7401	Inhba(-407314), Gli3(+140557)	N/A
Chr13	96426167	96426369	Chr13.74023	Poc5(+37974), Ankdd1b(+44892)	N/A
Chr13	96670855	96671185	Chr13.74280	Hmgcr(-84)	N/A
Chr13	15621095	15621445	Chr13.7446	Inhba(-386581), Gli3(+157290)	N/A
Chr13	15621571	15621693	Chr13.7453	Inhba(-390219), Gli3(+157652)	N/A
Chr13	15624728	15625136	Chr13.7457	Inhba(-386919), Gli3(+160952)	N/A
Chr13	97216026	97216133	Chr13.74665	Enc1(-25025), Hexb(-17723)	N/A
Chr13	97237998	97238275	Chr13.74679	Enc1(-2968)	N/A
Chr13	97242328	97242514	Chr13.74688	Enc1(+1316), Gm10260(+518167)	N/A
Chr13	97243999	97244685	Chr13.74698	Enc1(+19437), Gm10260(+516040)	N/A
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Chr13	97251566	97251711	Chr13.74773	Enc1(+10534), Gm10260(+508949)	N/A
Chr13	97252411	97252592	Chr13.74784	Enc1(+11397), Gm10260(+508086)	N/A
Chr13	97256498	97256654	Chr13.74791	Enc1(+15616), Gm10260(+503867)	N/A
Chr13	97276922	97277068	Chr13.74803	Enc1(+35890), Gm10260(+483593)	N/A
Chr13	97292370	97292595	Chr13.74811	Enc1(+51378), Gm10260(+468105)	N/A
Chr13	15643487	15643611	Chr13.7482	Inhba(-368302), Gli3(+179569)	N/A
Chr13	97310843	97311018	Chr13.74839	Enc1(+69626), Gm10260(+449657)	N/A
Chr13	97311378	97311586	Chr13.74847	Enc1(+70388), Gm10260(+449115)	N/A
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Chr13	97337760	97337911	Chr13.74872	Enc1(+96731), Gm10260(+422752)	N/A
Chr13	97375759	97376253	Chr13.74913	Enc1(+134901), Gm10260(+384582)	N/A
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Chr13	97423696	97423798	Chr13.74984	Enc1(+182642), Gm10260(+336841)	N/A
Chr13	97424276	97424397	Chr13.74989	Enc1(+183232), Gm10260(+336251)	N/A
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Chr13	97490482	97490702	Chr13.75063	Enc1(+249487), Gm10260(+269996)	N/A
Chr13	97493396	97493549	Chr13.75070	Enc1(+252368), Gm10260(+267115)	N/A
Chr13	97510621	97510797	Chr13.75090	Gm10260(+249879), Enc1(+269604)	N/A
Chr13	97512662	97512872	Chr13.75095	Gm10260(+247821), Enc1(+271662)	N/A
Chr13	97514404	97514557	Chr13.75098	Gm10260(+246107), Enc1(+273378)	N/A
Chr13	97514610	97514825	Chr13.75104	Gm10260(+245870), Enc1(+273613)	N/A
Chr13	97523623	97523736	Chr13.75118	Gm10260(+238908), Enc1(+282575)	N/A
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Chr13	97547943	97548233	Chr13.75151	Gm10260(+212550), Enc1(+306933)	N/A
Chr13	97548679	97548809	Chr13.75161	Gm10260(+211844), Enc1(+307635)	N/A
Chr13	97566195	97566503	Chr13.75178	Gm10260(+194239), Enc1(+325244)	N/A
Chr13	97577286	97577613	Chr13.75194	Gm10260(+183138), Enc1(+336345)	N/A
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Chr13	97663505	97663614	Chr13.75302	Gm10260(+97028), Enc1(+422455)	N/A
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Chr13	97676826	97676962	Chr13.75320	Gm10260(+83694), Enc1(+435789)	N/A
Chr13	15625886	15626290	Chr13.75333	Inhba(-349213), Gli3(+198558)	N/A
Chr13	97725381	97725518	Chr13.75360	Gm10260(+35138), Enc1(+484345)	N/A
Chr13	97747443	97747546	Chr13.75383	Gm10260(+13093), Enc1(+506390)	N/A
Chr13	97747871	97748021	Chr13.75389	Gm10260(+12642), Enc1(+506841)	N/A
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Chr13	97785417	97785608	Chr13.75450	Gm10260(+24925), Arhgef28(+420652)	N/A
Chr13	97785701	97785935	Chr13.75453	Gm10260(+25230), Arhgef28(+420347)	N/A
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Chr13	97824596	97824802	Chr13.75487	Gm10260(-64111), Arhgef28(+381466)	N/A
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Chr13	97825734	97826040	Chr13.75494	Gm10260(-65299), Arhgef28(+380278)	N/A
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Chr13	97869517	97869717	Chr13.75547	Gm10260(-109029), Arhgef28(+336548)	N/A
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Chr13	97923254	97923362	Chr13.75671	Gm10260(-162720), Arhgef28(+282857)	N/A
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Chr13	97928430	97928808	Chr13.75683	Gm10260(-168031), Arhgef28(+277546)	N/A
Chr13	97941238	97941460	Chr13.75730	Gm10260(-180761), Arhgef28(+264916)	N/A
Chr13	98016182	98016305	Chr13.75842	Gm10260(-255656), Arhgef28(+189921)	N/A
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Chr13	98406114	98406385	Chr13.76159	Foxd1(+52005), Tmem174(+231160)	N/A
Chr13	98409079	98409397	Chr13.76166	Foxd1(+55043), Tmem174(+228122)	N/A
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Chr13	98413159	98413718	Chr13.76175	Foxd1(+59194), Tmem174(+223971)	N/A
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Chr13	98555702	98556144	Chr13.76377	Tmem174(+61487), Foxd1(+206178)	N/A
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Chr13	98572498	98572678	Chr13.76394	Tmem174(+64822), Foxd1(+218343)	N/A
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Chr13	99184346	99184505	Chr13.76900	Zfp366(-397)	N/A
Chr13	99184541	99184779	Chr13.76903	Zfp366(-163)	N/A
Chr13	99184819	99184932	Chr13.76904	Zfp366(-433)	N/A
Chr13	99190528	99190668	Chr13.76925	Zfp366(+5775), Ptc2(+154080)	N/A
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Chr13	99235937	99236123	Chr13.76994	Zfp366(+51207), Ptc2(+108648)	N/A
Chr13	99238215	99238555	Chr13.76996	Zfp366(+53662), Ptc2(+106293)	N/A
Chr13	99238741	99238927	Chr13.77002	Zfp366(+64011), Ptc2(+106849)	N/A
Chr13	99254839	99255004	Chr13.77034	Zfp366(+70099), Ptc2(+89756)	N/A
Chr13	99283295	99283464	Chr13.77059	Ptc2(+61298), Zfp366(+98557)	N/A
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Chr13	99369266	99369410	Chr13.77142	Mps27(+24552), Map1b(+147264)	N/A
Chr13	99374349	99374469	Chr13.77145	Mps27(+29623), Map1b(+142193)	N/A
Chr13	99398388	99398629	Chr13.77175	Mps27(+53723), Map1b(+118093)	N/A
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Chr13	99444528	99444807	Chr13.77429	Map1b(+71934), Mps27(+99882)	N/A
Chr13	99476738	99474746	Chr13.77439	Map1b(+68910), Mps27(+102906)	N/A
Chr13	99483007	99483407	Chr13.77472	Map1b(+28249), Mps27(+143571)	N/A
Chr13	99492692	99492821	Chr13.77479	Map1b(+23645), Mps27(+147971)	N/A
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Chr13	99503214	99503362	Chr13.77512	Map1b(+13314), Mps27(+158502)	N/A
Chr13	99508331	99508465	Chr13.77529	Map1b(+8204), Mps27(+163612)	N/A
Chr13	99513486	99513604	Chr13.77550	Map1b(+3057), Mps27(+168759)	N/A
Chr13	99516762	99516875	Chr13.77569	Map1b(-217)	N/A
Chr13	99562348	99562491	Chr13.77625	Map1b(-45818), Cartpt(+338263)	N/A
Chr13	15862640	15862855	Chr13.77664	Inhba(-149103), Gli3(+398768)	N/A
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Chr13	100516334	100516470	Chr13.78185	Gf2h2(-23841), Ocln(+36096)	N/A
Chr13	100654188	100654290	Chr13.78371	Rad17(-3180), Taf9(+2632)	N/A
Chr13	100786474	100786621	Chr13.78517	Ccnb1(+22)	N/A
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Chr13	101203012	101203283	Chr13.78974	Slc30a5(-369721), Pk3r1(+565069)	N/A
Chr13	101215964	101216364	Chr13.79002	Slc30a5(-382732), Pk3r1(+552058)	N/A
Chr13	101216416	101216561	Chr13.79008	Slc30a5(-393062), Pk3r1(+551728)	N/A
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Chr13	101274548	101274725	Chr13.79113	Slc30a5(-441210), Pk3r1(+493580)	N/A
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Chr13	16014353	16014551	Chr13.7916	Inhba(+2601)	N/A
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Chr13	101315179	101315319	Chr13.79185	Slc30a5(-481822),Pik3r1(+452968)	N/A
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Chr13	101616562	101616719	Chr13.79351	Inhba(+4793)	N/A
Chr13	101470723	101470999	Chr13.79331	Slc30a5(-637434),Pik3r1(+297356)	N/A
Chr13	101491082	101491263	Chr13.79361	Slc30a5(-657746),Pik3r1(+277044)	N/A
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Chr13	16022556	16022755	Chr13.7958	Inhba(+10805)	N/A
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Chr13	101729633	101729769	Chr13.79720	Slc30a5(-896274),Pik3r1(+38516)	N/A
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Chr13	102114153	102114283	Chr13.80100	Cd180(-579340),Pik3r1(-346001)	N/A
Chr13	102142479	102142657	Chr13.80133	Cd180(-550990),Pik3r1(-374351)	N/A
Chr13	102232330	102232536	Chr13.80178	Pik3r1(-464218),Cd180(-461123)	N/A
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Chr13	102344765	102345160	Chr13.80255	Pik3r1(-576740),Cd180(-348595)	N/A
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Chr13	102590072	102590222	Chr13.80468	Pik3r1(-821930),Cd180(-103411)	N/A
Chr13	102590269	102590523	Chr13.80470	Pik3r1(-822179),Cd180(-103162)	N/A
Chr13	102595843	102595962	Chr13.80487	Pik3r1(-827686),Cd180(-97655)	N/A
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Chr13	102625249	102625427	Chr13.80499	Pik3r1(-857121),Cd180(-66220)	N/A
Chr13	102625590	102625751	Chr13.80501	Pik3r1(-857449),Cd180(-67862)	N/A
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Chr13	102654416	102654576	Chr13.80555	Pik3r1(-886279),Cd180(-39062)	N/A
Chr13	102698559	102698736	Chr13.80591	Cd180(-5090),Mast4(-635812)	N/A
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Chr13	16110056	16110244	Chr13.8074	Inhba(+98299)	N/A
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Chr13	102957219	102957302	Chr13.81210	Cd180(+263748),Mast4(+377154)	N/A
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Chr13	103613474	103613735	Chr13.81999	Mast4(-279145),Srebf1(+150899)	N/A
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Chr13	104024506	104024658	Chr13.82340	Erbin(-104068),Nln(+85032)	N/A
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Chr13	104035401	104035513	Chr13.82366	Erbin(-114943),Nln(+74157)	N/A
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Chr13	104040059	104040262	Chr13.82392	Erbin(-119647),Nln(+69453)	N/A
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Chr13	104062135	104062465	Chr13.82429	Erbin(-147188),Nln(+47314)	N/A
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Chr13	104541388	104541591	Chr13.83022	Adamts6(+253617),Cwc27(+275483)	N/A
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Chr13	104542626	104543064	Chr13.83025	Adamts6(+255122),Cwc27(+273656)	N/A
Chr13	104560625	104561129	Chr13.83038	Cwc27(+258076),Adamts6(+273004)	N/A

Chr13		104569798	104570012	Chr13.83059	Cwc27(+247048),Adamts6(+282032)	N/A
Chr13		104572294	104572557	Chr13.83065	Cwc27(+244527),Adamts6(+284553)	N/A
Chr13		104572774	104572928	Chr13.83067	Cwc27(+244102),Adamts6(+284578)	N/A
Chr13		104575749	104576082	Chr13.83072	Cwc27(+241038),Adamts6(+288042)	N/A
Chr13		104576240	104576625	Chr13.83077	Cwc27(+240502),Adamts6(+288560)	N/A
Chr13		104578249	104578405	Chr13.83081	Cwc27(+238626),Adamts6(+290454)	N/A
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Chr13		104584280	104585185	Chr13.83096	Cwc27(+232222),Adamts6(+296860)	N/A
Chr13		104590259	104590383	Chr13.83108	Cwc27(+226632),Adamts6(+302440)	N/A
Chr13		104607051	104607333	Chr13.83111	Cwc27(+209661),Adamts6(+319419)	N/A
Chr13		104608068	104608265	Chr13.83121	Cwc27(+208786),Adamts6(+320294)	N/A
Chr13		104623271	104623470	Chr13.83145	Cwc27(+193582),Adamts6(+335498)	N/A
Chr13		104627526	104627632	Chr13.83157	Cwc27(+189374),Adamts6(+339706)	N/A
Chr13		104632567	104632752	Chr13.83171	Cwc27(+184293),Adamts6(+344787)	N/A
Chr13		104645437	104645479	Chr13.83206	Cwc27(+162255),Adamts6(+368625)	N/A
Chr13		104654918	104655048	Chr13.83208	Cwc27(+161970),Adamts6(+367110)	N/A
Chr13		104655185	104655661	Chr13.83210	Cwc27(+161530),Adamts6(+367550)	N/A
Chr13		16347938	16348111	Chr13.8322	Inhba(+336174)	N/A
Chr13		104694971	104694971	Chr13.83250	Cwc27(+122072),Adamts6(+407008)	N/A
Chr13		104700617	104700989	Chr13.83266	Cwc27(+107196),Adamts6(+212884)	N/A
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Chr13		104969087	104969220	Chr13.83498	Shisa12b(-105261),Rgs7bp(+85776)	N/A
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Chr13		105054803	105055062	Chr13.83605	Rgs7bp(-3)	N/A
Chr13		106250862	106251015	Chr13.83675	Rnf180(+20700),49334250i6nk(+168817)	N/A
Chr13		105371525	105371541	Chr13.83698	Rnf180(-104309),Htr1a(-68345)	N/A
Chr13		105562228	105562390	Chr13.84071	Lrrc70(-284955)	N/A
Chr13		106936750	106936952	Chr13.84236	Ipo11(+64)	N/A
Chr13		107065197	107065381	Chr13.84374	3830408c21nk(+33326),Zswim6(+824775)	N/A
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Chr13		107469852	107469967	Chr13.84918	Zswim6(+420154),3830408c21nk(+437947)	N/A
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Chr13		107954136	107954237	Chr13.85803	Snim15(-92237),Zswim6(-64123)	N/A
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Chr13		108542405	108542534	Chr13.86305	Pde4d(-111707),Depdc1b(+226138)	N/A
Chr13		16716278	16716524	Chr13.8633	Inhba(+704550),Sugct(+978331)	N/A
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Chr13		109261146	109261286	Chr13.86928	Pde4d(-692902),Rps3a3(+590627)	N/A
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Chr13		4771458	47711559	Chr13.871	Gm5444(-140)	N/A
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Chr13		16762678	16763004	Chr13.8716	Inhba(+750990),Sugct(+931891)	N/A
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Chr13		16769754	16769874	Chr13.87328	Inhba(+759013),Sugct(+924868)	N/A
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Chr13		110063220	110063462	Chr13.87749	Pde4d(-109232),Rab3c(+216865)	N/A
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Chr13	111490243	111490357	Chr13.88810	Gbp1(+189)	N/A
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Chr13	111926980	111927156	Chr13.89133	Ankrd5(-361383),Map3k1(-118075)	N/A
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Chr13	112085899	112086041	Chr13.89361	Map3k1(-276977),Ankrd5(-202481)	N/A
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Chr13	112122969	112123209	Chr13.89415	Map3k1(-314096),Ankrd5(-165362)	N/A
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Chr13	112635322	112683679	Chr13.89954	Pipp1(-172393),Slc38a9(+22835)	N/A
Chr13	112722338	112722729	Chr13.89998	Pipp1(-78360),Slc38a9(+61768)	N/A
Chr13	112751539	112751641	Chr13.90043	Pipp1(-49304),Slc38a9(+90824)	N/A
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Chr13	112770907	112771048	Chr13.90077	Pipp1(-29916),Slc38a9(+110212)	N/A
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Chr13	112771436	112771580	Chr13.90084	Pipp1(-29386),Slc38a9(+110742)	N/A
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Chr13	113160868	113161100	Chr13.90494	Gzmk(+19913),Gm9848(+52911)	N/A
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Chr13	113224143	113224342	Chr13.90630	Bc067074(-92841),Esm1(+14584)	N/A
Chr13	113270350	113270454	Chr13.90678	Bc067074(-46682),Esm1(+60743)	N/A
Chr13	113351594	113351772	Chr13.90859	Bc067074(+34599),Snx18(+266881)	N/A
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Chr13	113728143	113728384	Chr13.91181	Ar15(-66241),Hspb3(-64588)	N/A
Chr13	113730850	113731064	Chr13.91185	Hspb3(-67281),Ar15(-63548)	N/A
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Chr13	113735773	113735890	Chr13.91197	Hspb3(-72156),Ar15(-58673)	N/A
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Chr13	113864363	113864492	Chr13.91263	Art15(+69923),Ndufs4(+523666)	N/A
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Chr13	114119692	114119850	Chr13.91680	Ndufs4(+288323),Art15(+325266)	N/A
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Chr13	115101696	115102034	Chr13.92963	Iiga1(+49)	N/A
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Chr13	116917537	116917643	Chr13.94769	Isl1(+607902),Parp8(+107926)	N/A
Chr13	116941380	116941490	Chr13.94792	Isl1(+631747),Parp8(+84081)	N/A
Chr13	117053357	117055510	Chr13.94854	Emb1(+164191),Parp8(+30918)	N/A
Chr13	117063036	117063279	Chr13.94856	Emb1(+157467),Parp8(+37642)	N/A
Chr13	117315307	117315434	Chr13.94947	Hcn1(+287109),Emb1(+94746)	N/A
Chr13	117383653	117383984	Chr13.94970	Hcn1(+218661),Emb1(+163194)	N/A
Chr13	117567411	117567539	Chr13.95040	Hcn1(+35005),Emb1(+346850)	N/A
Chr13	117569573	117569701	Chr13.95053	Hcn1(+15843),Emb1(+366012)	N/A
Chr13	118450784	118460006	Chr13.95583	Fgf10(+25484),Mps30(+72643)	N/A
Chr13	118490815	118491021	Chr13.95609	Fgf10(+223781),Mps30(+103666)	N/A
Chr13	17805189	17805290	Chr13.9568	Cdk13(+143)	N/A
Chr13	17805404	17805518	Chr13.9571	Cdk13(+364)	N/A
Chr13	118713589	118714019	Chr13.95806	Fgf10(+895)	N/A
Chr13	118714251	118714389	Chr13.95811	Fgf10(+379)	N/A
Chr13	118714732	118714953	Chr13.95817	Fgf10(+144)	N/A
Chr13	118715267	118715378	Chr13.95822	Fgf10(+624)	N/A
Chr13	118716773	118716982	Chr13.95831	Fgf10(+2179),Nnt1(+692119)	N/A
Chr13	118732362	118732465	Chr13.95864	Fgf10(+17715),Nnt1(+676583)	N/A
Chr13	118791471	118791712	Chr13.95989	Fgf10(+76893),Nnt1(+617405)	N/A
Chr13	118792267	118792571	Chr13.95991	Fgf10(+77720),Nnt1(+615678)	N/A
Chr13	118806663	118806922	Chr13.96003	Fgf10(+92104),Nnt1(+602194)	N/A
Chr13	118849731	118849936	Chr13.96047	Fgf10(+135135),Nnt1(+559163)	N/A
Chr13	118849987	118850117	Chr13.96050	Fgf10(+135353),Nnt1(+558945)	N/A
Chr13	118869586	118869692	Chr13.96068	Fgf10(+171940),Nnt1(+522358)	N/A
Chr13	118961590	118961810	Chr13.96114	Fgf10(+267001),Nnt1(+427297)	N/A
Chr13	119008012	119008190	Chr13.96152	Fgf10(+293402),Nnt1(+400986)	N/A

Chr13	119026103	119026291	Chr13.96177	<i>Fgf10</i> (+311498), <i>Nnt1</i> (+382800)	N/A
Chr13	119064580	119064828	Chr13.96210	<i>Nnt1</i> (+344293), <i>Fgf10</i> (+350005)	N/A
Chr13	119064990	119065417	Chr13.96212	<i>Nnt1</i> (+343783), <i>Fgf10</i> (+350505)	N/A
Chr13	119351563	119351773	Chr13.96486	<i>Nnt1</i> (+57329), <i>Fgf10</i> (+369696)	N/A
Chr13	119689972	119690445	Chr13.96698	<i>Hmgcs1</i> (-253)	N/A
Chr13	119741691	119741866	Chr13.96793	<i>Nim1k</i> (+14103), <i>Hmgcs1</i> (+51317)	N/A
Chr13	119790499	119790693	Chr13.96852	<i>Zfp131</i> (+209)	N/A
Chr13	18124468	18124624	Chr13.9745	<i>Vdac3-ps1</i> (-92917), <i>Pou6f2</i> (+48008)	N/A
Chr13	18125216	18125779	Chr13.97352	<i>Vdac3-ps1</i> (-93869), <i>Pou6f2</i> (+47056)	N/A
Chr13	18129730	18130112	Chr13.9772	<i>Vdac3-ps1</i> (-98292), <i>Pou6f2</i> (+42633)	N/A
Chr13	18204421	18204684	Chr13.9900	<i>Vps41</i> (-512739), <i>Pou6f2</i> (-31999)	N/A
Chr13	18204915	18205093	Chr13.9904	<i>Vps41</i> (-512288), <i>Pou6f2</i> (-32450)	N/A
Chr13	18218770	18218896	Chr13.9919	<i>Vps41</i> (-498459), <i>Pou6f2</i> (-46279)	N/A
Chr14	118232032	118232332	Chr14.100023	<i>Sox21</i> (+4948), <i>Gpr180</i> (+95059)	N/A
Chr14	118232775	118232974	Chr14.100031	<i>Sox21</i> (+4155), <i>Gpr180</i> (+95748)	N/A
Chr14	118233115	118233281	Chr14.100036	<i>Sox21</i> (+3632), <i>Gpr180</i> (+96071)	N/A
Chr14	118306284	118306470	Chr14.100132	<i>Gm9376</i> (+39219), <i>Abcc4</i> (+399842)	N/A
Chr14	118322269	118322621	Chr14.100158	<i>Gm9376</i> (+55287), <i>Abcc4</i> (+383774)	N/A
Chr14	118322698	118323071	Chr14.100162	<i>Gm9376</i> (+55727), <i>Abcc4</i> (+383334)	N/A
Chr14	118323314	118323314	Chr14.100166	<i>Gm9376</i> (+54533), <i>Abcc4</i> (+383009)	N/A
Chr14	118330630	118330820	Chr14.100180	<i>Gm9376</i> (+63567), <i>Abcc4</i> (+375494)	N/A
Chr14	118361065	118361188	Chr14.100216	<i>Gm9376</i> (+93969), <i>Abcc4</i> (+345092)	N/A
Chr14	118362979	118363084	Chr14.100225	<i>Gm9376</i> (+95874), <i>Abcc4</i> (+343187)	N/A
Chr14	118363169	118363633	Chr14.100228	<i>Gm9376</i> (+96243), <i>Abcc4</i> (+342818)	N/A
Chr14	118385591	118385747	Chr14.100250	<i>Gm9376</i> (+118511), <i>Abcc4</i> (+320550)	N/A
Chr14	118422595	118422737	Chr14.100302	<i>Gm9376</i> (+155493), <i>Abcc4</i> (+283588)	N/A
Chr14	118448885	118449024	Chr14.100358	<i>Gm9376</i> (+181797), <i>Abcc4</i> (+257264)	N/A
Chr14	118474873	118475044	Chr14.100381	<i>Gm9376</i> (+207801), <i>Abcc4</i> (+231260)	N/A
Chr14	118510819	118510999	Chr14.100448	<i>Abcc4</i> (+195310), <i>Gm9376</i> (+243751)	N/A
Chr14	118543085	118543291	Chr14.100521	<i>Abcc4</i> (+163031), <i>Gm9376</i> (+276030)	N/A
Chr14	118551228	118551505	Chr14.100535	<i>Abcc4</i> (+154852), <i>Gm9376</i> (+284209)	N/A
Chr14	118552915	118553088	Chr14.100539	<i>Abcc4</i> (+153217), <i>Gm9376</i> (+285444)	N/A
Chr14	118566392	118566541	Chr14.100555	<i>Abcc4</i> (+139752), <i>Gm9376</i> (+299309)	N/A
Chr14	118589664	118589778	Chr14.100597	<i>Abcc4</i> (+116498), <i>Gm9376</i> (+322563)	N/A
Chr14	118833433	118833578	Chr14.100796	<i>Abcc4</i> (-127287), <i>Cldn10</i> (-21226)	N/A
Chr14	118834450	118834639	Chr14.100798	<i>Abcc4</i> (-128326), <i>Cldn10</i> (-20187)	N/A
Chr14	118850444	118850937	Chr14.100816	<i>Cldn10</i> (-3891)	N/A
Chr14	118851608	118851710	Chr14.100821	<i>Cldn10</i> (-3073)	N/A
Chr14	118913086	118913337	Chr14.100915	<i>Dzip1</i> (+9955), <i>Cldn10</i> (+58480)	N/A
Chr14	118925462	118925616	Chr14.100935	<i>Dzip1</i> (-2372)	N/A
Chr14	119137619	119137815	Chr14.101156	<i>Hs6st3</i> (-698)	N/A
Chr14	119227873	119227977	Chr14.101285	<i>Hs6st3</i> (+89510), <i>Oxgr1</i> (+814510)	N/A
Chr14	119821407	119821672	Chr14.101852	<i>Oxgr1</i> (+420895), <i>Hs6st3</i> (+483125)	N/A
Chr14	119665899	119666034	Chr14.101906	<i>Oxgr1</i> (+378468), <i>Hs6st3</i> (+527552)	N/A
Chr14	18106892	18107049	Chr14.10200	<i>Thrb</i> (+125327), <i>Nr1d2</i> (+132156)	N/A
Chr14	119833105	119833411	Chr14.102171	<i>Oxgr1</i> (+209177), <i>Hs6st3</i> (+694843)	N/A
Chr14	119852294	119852396	Chr14.102207	<i>Oxgr1</i> (+190909), <i>Hs6st3</i> (+713930)	N/A
Chr14	119852524	119852601	Chr14.102211	<i>Oxgr1</i> (+189922), <i>Hs6st3</i> (+714988)	N/A
Chr14	119853776	119853776	Chr14.102230	<i>Oxgr1</i> (+184866), <i>Hs6st3</i> (+719154)	N/A
Chr14	119909130	119909248	Chr14.102316	<i>Oxgr1</i> (+133248), <i>Hs6st3</i> (+770774)	N/A
Chr14	120119296	120119417	Chr14.102455	<i>Mbnl2</i> (-156312), <i>Oxgr1</i> (-76922)	N/A
Chr14	120141247	120141349	Chr14.102466	<i>Mbnl2</i> (-134371), <i>Oxgr1</i> (-98863)	N/A
Chr14	120148956	1201489163	Chr14.102474	<i>Mbnl2</i> (-126809), <i>Oxgr1</i> (-106625)	N/A
Chr14	120149322	120149459	Chr14.102478	<i>Mbnl2</i> (-126378), <i>Oxgr1</i> (-109956)	N/A
Chr14	120149596	120149698	Chr14.102481	<i>Mbnl2</i> (-126022), <i>Oxgr1</i> (-107212)	N/A
Chr14	120155747	120155983	Chr14.102491	<i>Mbnl2</i> (-119804), <i>Oxgr1</i> (-113430)	N/A
Chr14	120170112	120170488	Chr14.102512	<i>Oxgr1</i> (-127865), <i>Mbnl2</i> (-105369)	N/A
Chr14	120223502	120223658	Chr14.102543	<i>Oxgr1</i> (-181145), <i>Mbnl2</i> (-52089)	N/A
Chr14	120223866	120223969	Chr14.102545	<i>Oxgr1</i> (-181483), <i>Mbnl2</i> (-51751)	N/A
Chr14	120275462	120276074	Chr14.102595	<i>Mbnl2</i> (-99)	N/A
Chr14	120276543	120276943	Chr14.102606	<i>Rap2a</i> (-201718), <i>Mbnl2</i> (+1074)	N/A
Chr14	120277182	120277376	Chr14.102608	<i>Rap2a</i> (-201182), <i>Mbnl2</i> (+1610)	N/A
Chr14	120278437	120278618	Chr14.102618	<i>Rap2a</i> (-199933), <i>Mbnl2</i> (+2859)	N/A
Chr14	18234321	18234488	Chr14.10262	<i>Nr1d2</i> (+4722), <i>Thrb</i> (+252781)	N/A
Chr14	120280780	120280958	Chr14.102631	<i>Rap2a</i> (-191602), <i>Mbnl2</i> (+11190)	N/A
Chr14	120289259	120289361	Chr14.102637	<i>Rap2a</i> (-189151), <i>Mbnl2</i> (+13641)	N/A
Chr14	120294610	120294711	Chr14.102644	<i>Rap2a</i> (-183800), <i>Mbnl2</i> (+18992)	N/A
Chr14	18263369	18263691	Chr14.10265	<i>Nr1d2</i> (-24403), <i>Rpl15</i> (+7537)	N/A
Chr14	120296252	120296356	Chr14.102653	<i>Rap2a</i> (-182156), <i>Mbnl2</i> (+20636)	N/A
Chr14	120297944	120298124	Chr14.102658	<i>Rap2a</i> (-186427), <i>Mbnl2</i> (+22365)	N/A
Chr14	120299756	120299918	Chr14.102661	<i>Rap2a</i> (-178621), <i>Mbnl2</i> (+24168)	N/A
Chr14	120309301	120309441	Chr14.102677	<i>Rap2a</i> (-165090), <i>Mbnl2</i> (+33702)	N/A
Chr14	120309865	120309987	Chr14.102680	<i>Rap2a</i> (-168535), <i>Mbnl2</i> (+34257)	N/A
Chr14	120318397	120318547	Chr14.102695	<i>Rap2a</i> (-159989), <i>Mbnl2</i> (+42803)	N/A
Chr14	120324838	120324941	Chr14.102707	<i>Rap2a</i> (-153571), <i>Mbnl2</i> (+49221)	N/A
Chr14	120325614	120325790	Chr14.102717	<i>Rap2a</i> (-152759), <i>Mbnl2</i> (+50033)	N/A
Chr14	120337522	120337629	Chr14.102722	<i>Rap2a</i> (-140685), <i>Mbnl2</i> (+61907)	N/A
Chr14	120342124	120342224	Chr14.102725	<i>Rap2a</i> (-136287), <i>Mbnl2</i> (+66505)	N/A
Chr14	120342812	120343021	Chr14.102731	<i>Rap2a</i> (-135544), <i>Mbnl2</i> (+67248)	N/A
Chr14	120354561	120354947	Chr14.102751	<i>Rap2a</i> (-123707), <i>Mbnl2</i> (+79085)	N/A
Chr14	120354997	120355115	Chr14.102756	<i>Rap2a</i> (-123406), <i>Mbnl2</i> (+79387)	N/A
Chr14	120355571	120355821	Chr14.102766	<i>Rap2a</i> (-122769), <i>Mbnl2</i> (+80027)	N/A
Chr14	120358593	120358705	Chr14.102769	<i>Rap2a</i> (-119812), <i>Mbnl2</i> (+82980)	N/A
Chr14	120363344	120363478	Chr14.102770	<i>Rap2a</i> (-115050), <i>Mbnl2</i> (+87742)	N/A
Chr14	120375939	120376063	Chr14.102792	<i>Rap2a</i> (-102460), <i>Mbnl2</i> (+100332)	N/A
Chr14	120378245	120378458	Chr14.102795	<i>Rap2a</i> (-100709), <i>Mbnl2</i> (+102683)	N/A
Chr14	18270894	18271091	Chr14.10282	<i>Nkx1a</i> (-143), <i>Rpl15</i> (+74)	N/A
Chr14	120394423	120394531	Chr14.102821	<i>Rap2a</i> (-83984), <i>Mbnl2</i> (+118808)	N/A
Chr14	120394576	120394807	Chr14.102822	<i>Rap2a</i> (-83769), <i>Mbnl2</i> (+119023)	N/A
Chr14	120404392	120404505	Chr14.102853	<i>Rap2a</i> (-74012), <i>Mbnl2</i> (+128780)	N/A
Chr14	120507696	120507918	Chr14.102976	<i>Ipo5</i> (-403387), <i>Rap2a</i> (+29346)	N/A
Chr14	120678628	120678748	Chr14.103076	<i>Ipo5</i> (-232508), <i>Rap2a</i> (+200227)	N/A
Chr14	120813977	120814138	Chr14.103118	<i>Ipo5</i> (-97136), <i>Rap2a</i> (+335597)	N/A
Chr14	120830217	120830394	Chr14.103123	<i>Ipo5</i> (-80888), <i>Rap2a</i> (+351845)	N/A
Chr14	120847017	120847116	Chr14.103127	<i>Ipo5</i> (-64127), <i>Rap2a</i> (+368606)	N/A
Chr14	120913010	120913267	Chr14.103142	<i>Farp1</i> (-122425), <i>Ipo5</i> (+1945)	N/A
Chr14	120947249	120947498	Chr14.103207	<i>Farp1</i> (-88190), <i>Ipo5</i> (+36180)	N/A
Chr14	121037311	121037463	Chr14.103228	<i>Farp1</i> (-1823), <i>Slk24</i> (+341947)	N/A
Chr14	121062318	121062472	Chr14.103231	<i>Farp1</i> (-26831), <i>Slk24</i> (+316939)	N/A
Chr14	121108689	121108810	Chr14.103256	<i>Farp1</i> (+73186), <i>Slk24</i> (+270584)	N/A
Chr14	121199055	121199199	Chr14.103305	<i>Farp1</i> (+163563), <i>Slk24</i> (+180207)	N/A
Chr14	121244477	121244597	Chr14.103381	<i>Slk24</i> (+134797), <i>Farp1</i> (+208973)	N/A
Chr14	18352070	18352223	Chr14.10343	<i>Ube2e1</i> (-20288), <i>Ube2e1</i> (+541629)	N/A
Chr14	121325018	121325118	Chr14.103577	<i>Slk24</i> (+54266), <i>Farp1</i> (+289504)	N/A
Chr14	18444646	18444799	Chr14.10374	<i>Ube2e1</i> (-112864), <i>Ube2e2</i> (+449053)	N/A
Chr14	121592387	121592643	Chr14.103834	<i>Slc15a1</i> (-87261), <i>Dock9</i> (+105902)	N/A
Chr14	121648572	121648679	Chr14.103952	<i>Slc15a1</i> (-143372), <i>Dock9</i> (+49791)	N/A
Chr14	121661058	121661167	Chr14.103973	<i>Slc15a1</i> (-155859), <i>Dock9</i> (+37304)	N/A
Chr14	121675515	121675648	Chr14.103988	<i>Slc15a1</i> (-170328), <i>Dock9</i> (+22835)	N/A
Chr14	121678004	121678812	Chr14.103998	<i>Slc15a1</i> (-173454), <i>Dock9</i> (+19709)	N/A
Chr14	121697419	121697597	Chr14.104013	<i>Dock9</i> (+909)	N/A
Chr14	121698417	121698566	Chr14.104025	<i>Dock9</i> (-75)	N/A
Chr14	121738293	121738739	Chr14.104058	<i>Uba2c2</i> (-140090), <i>Dock9</i> (-40099)	N/A
Chr14	18547872	18547793	Chr14.10406	<i>Ube2e1</i> (-215874), <i>Ube2e2</i> (+346043)	N/A
Chr14	121738822	121739027	Chr14.104062	<i>Uba2c2</i> (-139691), <i>Dock9</i> (-40509)	N/A
Chr14	121739096	121739206	Chr14.104068	<i>Uba2c2</i> (-139455), <i>Dock9</i> (-40734)	N/A
Chr14	121774898	121775006	Chr14.104088	<i>Uba2c2</i> (-103654), <i>Dock9</i> (-76535)	N/A
Chr14	121781314	121781569	Chr14.104099	<i>Uba2c2</i> (-97164), <i>Dock9</i> (-83025)	N/A
Chr14	121796709	121796811	Chr14.104118	<i>Dock9</i> (-98343), <i>Dock9</i> (-81848)	N/A
Chr14	121878657	121878782	Chr14.104139	<i>Uba2c2</i> (+114)	N/A
Chr14	121938487	121938656	Chr14.104207	<i>Gpr18</i> (-22798), <i>Gpr183</i> (+26621)	N/A
Chr14	121947617	121947767	Chr14.104210	<i>Gpr18</i> (-31918), <i>Gpr183</i> (+17501)	N/A
Chr14	122173247	122173355	Chr14.104415	<i>Clybl</i> (-8393), <i>Tm9sf2</i> (+66263)	N/A
Chr14	122213601	122213753	Chr14.104457	<i>Clybl</i> (+31983), <i>Zic5</i> (+252000)	N/A
Chr14	122215562	122215735	Chr14.104463	<i>Clybl</i> (+33965), <i>Zic5</i> (+250028)	N/A
Chr14	122229048	122229479	Chr14.104501	<i>Clybl</i> (+17570), <i>Zic5</i> (+269413)	N/A
Chr14	122271360	122271477	Chr14.104575	<i>Clybl</i> (+98725), <i>Zic5</i> (+194258)	N/A
Chr14	122280294	122280748	Chr14.104594	<i>Clybl</i> (+98827), <i>Zic5</i> (+18	

Chr14	122451005	122451169	Chr14.104900	Zic5(+14590), Ciybl(+269393)	N/A
Chr14	122452703	122453590	Chr14.104905	Zic5(+12530), Ciybl(+271453)	N/A
Chr14	122453796	122454173	Chr14.104910	Zic5(+11697), Ciybl(+272286)	N/A
Chr14	122454412	122454614	Chr14.104912	Zic5(+11164), Ciybl(+272819)	N/A
Chr14	122466113	122466253	Chr14.104969	Zic5(-506)	N/A
Chr14	18892836	18893022	Chr14.10500	Ube2e(+947)	N/A
Chr14	122477052	122477165	Chr14.105024	Gm10837(-13477), Zic2(+1674)	N/A
Chr14	122477239	122477420	Chr14.105027	Gm10837(-13256), Zic2(+1895)	N/A
Chr14	122477467	122477807	Chr14.105032	Gm10837(-12949), Zic2(+2202)	N/A
Chr14	122478076	122478272	Chr14.105035	Gm10837(-12412), Zic2(+2738)	N/A
Chr14	122479765	122479867	Chr14.105044	Gm10837(-10770), Zic2(+4381)	N/A
Chr14	122480488	122480826	Chr14.105047	Gm10837(-9929), Zic2(+5222)	N/A
Chr14	122481568	122481675	Chr14.105050	Gm10837(-8964), Zic2(+6187)	N/A
Chr14	122483537	122485601	Chr14.105061	Gm10837(-5107), Zic2(+10044)	N/A
Chr14	122490565	122490707	Chr14.105099	Gm10837(+50)	N/A
Chr14	122598985	122600197	Chr14.105149	Pcca(+65707), Ggact(+313116)	N/A
Chr14	122613730	122613922	Chr14.105169	Pcca(+79487), Ggact(+299336)	N/A
Chr14	122689006	122689199	Chr14.105224	Pcca(+154764), Ggact(+224059)	N/A
Chr14	122689241	122689734	Chr14.105226	Pcca(+155149), Ggact(+223674)	N/A
Chr14	122755663	122756137	Chr14.105277	Ggact(+157262), Pcca(+221561)	N/A
Chr14	122873315	122875455	Chr14.105371	Ggact(+37777), Pcca(+341046)	N/A
Chr14	122882076	122882408	Chr14.105382	Ggact(+30920), Pcca(+347903)	N/A
Chr14	122882474	122882932	Chr14.105390	Ggact(+30459), Pcca(+348364)	N/A
Chr14	122883082	122883416	Chr14.105393	Ggact(+29913), Pcca(+348910)	N/A
Chr14	122883708	122884344	Chr14.105397	Ggact(+29136), Pcca(+349687)	N/A
Chr14	122902172	122902277	Chr14.105448	Ggact(+10937), Pcca(+367888)	N/A
Chr14	122902325	122902500	Chr14.105449	Ggact(+10749), Pcca(+368074)	N/A
Chr14	123008991	123009114	Chr14.105583	Tmtc4(-25770), Nalcn(+618091)	N/A
Chr14	123065200	123065435	Chr14.105631	Tmtc4(-82035), Nalcn(+561826)	N/A
Chr14	123202252	123202393	Chr14.105730	Tmtc4(-219040), Nalcn(+424821)	N/A
Chr14	123202425	123202623	Chr14.105733	Tmtc4(-219247), Nalcn(+424620)	N/A
Chr14	123202775	123203063	Chr14.105738	Tmtc4(-219636), Nalcn(+242425)	N/A
Chr14	19709035	19709142	Chr14.10584	Gm5458(-106508), Nid2(-42168)	N/A
Chr14	19734023	19734246	Chr14.10591	Gm5458(-131554), Nid2(-17122)	N/A
Chr14	123331946	123332063	Chr14.105946	Tmtc4(-348722), Nalcn(+295139)	N/A
Chr14	19738193	19738433	Chr14.105996	Gm5458(-135732), Nid2(-12944)	N/A
Chr14	123659946	123660118	Chr14.106155	Irgb1(+61)	N/A
Chr14	123685433	123685619	Chr14.106406	Irgb1(+325555), Fgf14(+691601)	N/A
Chr14	124192322	124192526	Chr14.106496	Fgf14(+484703), Irgb1(+532453)	N/A
Chr14	124676001	124676142	Chr14.106773	Fgf14(+1055)	N/A
Chr14	124676341	124676473	Chr14.106777	Fgf14(+720)	N/A
Chr14	124676884	124677088	Chr14.106781	Fgf14(+141)	N/A
Chr14	124677451	124677641	Chr14.106783	Fgf14(+119)	N/A
Chr14	19920428	19920582	Chr14.10888	Rtraf(-96682), Gng2(+56744)	N/A
Chr14	19925645	19925744	Chr14.10894	Rtraf(-101872), Gng2(+51554)	N/A
Chr14	19942618	19942730	Chr14.10906	Rtraf(-118851), Gng2(+34575)	N/A
Chr14	19994248	19994466	Chr14.10935	Rtraf(-140534), Gng2(+12892)	N/A
Chr14	199922329	199923370	Chr14.10962	Gng2(-15081), Sayasf1(+90872)	N/A
Chr14	20149017	20150060	Chr14.11099	Sayasf1(-66817), Kcnk5(+31793)	N/A
Chr14	20156042	20156177	Chr14.11110	Sayasf1(-72938), Kcnk5(+25672)	N/A
Chr14	20175771	20175955	Chr14.11128	Sayasf1(-92691), Kcnk5(+5919)	N/A
Chr14	20179605	20179750	Chr14.11140	Sayasf1(-96506), Kcnk5(+2104)	N/A
Chr14	20180943	20180969	Chr14.11146	Kcnk5(+876)	N/A
Chr14	20496355	20496689	Chr14.11532	Mss51(+99)	N/A
Chr14	20503119	20503511	Chr14.11553	Mss51(-6414), Ppp3cb(+43258)	N/A
Chr14	20519449	20519623	Chr14.11605	Mss51(-22635), Ppp3cb(+27037)	N/A
Chr14	20545901	20546077	Chr14.11651	Ppp3cb(+584)	N/A
Chr14	20546213	20546376	Chr14.11655	Ppp3cb(+278)	N/A
Chr14	20546514	20546695	Chr14.11657	Ppp3cb(-32)	N/A
Chr14	20595886	20596179	Chr14.11767	Ppp3cb(-49460), Usp5(+22321)	N/A
Chr14	20596296	20596554	Chr14.11769	Ppp3cb(-49852), Usp5(+21929)	N/A
Chr14	20607838	20608021	Chr14.11787	Ppp3cb(-61357), Usp5(+10424)	N/A
Chr14	20608553	20608687	Chr14.11790	Ppp3cb(-62047), Usp5(+9734)	N/A
Chr14	20609668	20609784	Chr14.11793	Ppp3cb(-63153), Usp5(+8628)	N/A
Chr14	20610240	20610430	Chr14.11797	Ppp3cb(-63762), Usp5(+8019)	N/A
Chr14	20618311	20618493	Chr14.11812	Usp5(-48)	N/A
Chr14	20631266	20631505	Chr14.11823	Usp5(-13032), Myoz1(+25154)	N/A
Chr14	20639969	20640085	Chr14.11832	Usp5(-21673), Myoz1(+16513)	N/A
Chr14	20640877	20641036	Chr14.11838	Usp5(-22603), Myoz1(+15583)	N/A
Chr14	20649076	20649222	Chr14.11847	Usp5(-20798), Myoz1(+7388)	N/A
Chr14	20651765	20651951	Chr14.11858	Usp5(-3354), Myoz1(+4652)	N/A
Chr14	20655820	20655922	Chr14.11873	Myoz1(-3669)	N/A
Chr14	20664390	20664666	Chr14.11927	Myoz1(-7988), Synpo2l(+3778)	N/A
Chr14	20674244	20674425	Chr14.11957	Sec24c(+14)	N/A
Chr14	20684488	20684608	Chr14.12058	Fut11(-420)	N/A
Chr14	20694639	20694847	Chr14.12059	Fut11(-225)	N/A
Chr14	20707223	20707330	Chr14.12110	Zawim8(-275)	N/A
Chr14	20707504	20707715	Chr14.12113	Zawim8(+58)	N/A
Chr14	20734208	20734350	Chr14.12259	Ndst2(-3952)	N/A
Chr14	20734853	20735432	Chr14.12260	Ndst2(-4816)	N/A
Chr14	20735503	20735950	Chr14.12263	Ndst2(-5406), Camk2g(+56361)	N/A
Chr14	20736017	20736273	Chr14.12266	Ndst2(-5618), Camk2g(+57943)	N/A
Chr14	20736670	20736891	Chr14.12273	Ndst2(-6454), Camk2g(+57307)	N/A
Chr14	20740226	20740350	Chr14.12286	Ndst2(-9961), Camk2g(+53800)	N/A
Chr14	20741338	20741496	Chr14.12291	Ndst2(-11090), Camk2g(+52671)	N/A
Chr14	20741563	20741679	Chr14.12292	Ndst2(-11294), Camk2g(+52467)	N/A
Chr14	20747653	20747946	Chr14.12307	Ndst2(-17473), Camk2g(+60288)	N/A
Chr14	20757639	20757794	Chr14.12322	Ndst2(-27390), Camk2g(+36371)	N/A
Chr14	20757825	20757950	Chr14.12323	Ndst2(-27561), Camk2g(+36200)	N/A
Chr14	20768603	20768721	Chr14.12352	Ndst2(-38335), Camk2g(+25426)	N/A
Chr14	20768796	20768936	Chr14.12353	Ndst2(-38539), Camk2g(+25222)	N/A
Chr14	20775717	20775891	Chr14.12372	Ndst2(-45477), Camk2g(+18284)	N/A
Chr14	20776365	20776490	Chr14.12374	Ndst2(-46101), Camk2g(+17650)	N/A
Chr14	20778344	20778450	Chr14.12380	Ndst2(-48070), Camk2g(+15691)	N/A
Chr14	20778482	20778701	Chr14.12384	Ndst2(-48265), Camk2g(+15496)	N/A
Chr14	20778787	20778928	Chr14.12388	Ndst2(-48531), Camk2g(+15230)	N/A
Chr14	20785363	20785477	Chr14.12404	Ndst2(-55093), Camk2g(+8668)	N/A
Chr14	20786793	20787028	Chr14.12412	Ndst2(-56853), Camk2g(+17178)	N/A
Chr14	20787529	20787648	Chr14.12416	Ndst2(-57262), Camk2g(+6499)	N/A
Chr14	20788230	20788424	Chr14.12420	Ndst2(-58000), Camk2g(+5761)	N/A
Chr14	20791988	20792156	Chr14.12443	Ndst2(-61745), Camk2g(+2016)	N/A
Chr14	20805095	20805277	Chr14.12465	Plau(-31476), Camk2g(-11098)	N/A
Chr14	20805497	20805611	Chr14.12468	Plau(-31108), Camk2g(-11466)	N/A
Chr14	20829864	20829985	Chr14.12487	Camk2g(-35837), Plau(-6737)	N/A
Chr14	20831319	20831452	Chr14.12492	Camk2g(-37298), Plau(-5276)	N/A
Chr14	20845789	20845935	Chr14.12576	Vcl(-83571), Plau(+9200)	N/A
Chr14	20881235	20881423	Chr14.12592	Vcl(-48104), Plau(+44667)	N/A
Chr14	20885220	20885421	Chr14.12599	Vcl(-44112), Plau(+48659)	N/A
Chr14	20893846	20893988	Chr14.12605	Vcl(-35516), Plau(+57255)	N/A
Chr14	20929042	20929269	Chr14.12612	Vcl(-277)	N/A
Chr14	20938480	20938712	Chr14.12633	Vcl(+9163), Ap3m1(+113854)	N/A
Chr14	20938747	20938847	Chr14.12635	Vcl(+9364), Ap3m1(+113653)	N/A
Chr14	20964466	20964619	Chr14.12662	Vcl(+35110), Ap3m1(+87907)	N/A
Chr14	20968305	20968457	Chr14.12668	Vcl(+38948), Ap3m1(+94069)	N/A
Chr14	20978518	20978683	Chr14.12686	Vcl(+49168), Ap3m1(+73849)	N/A
Chr14	20984068	20984236	Chr14.12700	Vcl(+54719), Ap3m1(+68298)	N/A
Chr14	21031852	21032000	Chr14.12821	Ap3m1(+20524), Vcl(+102493)	N/A
Chr14	21032083	21032191	Chr14.12823	Ap3m1(+20313), Vcl(+102704)	N/A
Chr14	21032456	21032657	Chr14.12827	Ap3m1(+19893), Vcl(+103124)	N/A
Chr14	21033319	21033509	Chr14.12833	Ap3m1(+19306), Vcl(+103981)	N/A
Chr14	21052132	21052252	Chr14.12880	Adk(-382), Ap3m1(+258)	N/A
Chr14	21076211	21076325	Chr14.12907	Kat6b(-424624), Adk(+23694)	N/A
Chr14	21079710	21079954	Chr14.12916	Kat6b(-421060), Adk(+27258)	N/A
Chr14	21147487	21147674	Chr14.12945	Kat6b(-353311), Adk(+95007)	N/A
Chr14	21150382	21150585	Chr14.12947	Kat6b(-354048), Adk(+97910)	N/A
Chr14	21158856	21159102	Chr14.12953	Kat6b(-341913), Adk(+106405)	N/A
Chr14	21161720	21162163	Chr14.12957	Kat6b(-338950), Adk(+109368)	N/A
Chr14	21222366	21222491	Chr14.12976	Kat6b(-278463), Adk(+169855)	N/A
Chr14	21253413	21253842	Chr14.13018	Kat6b(-247264), Adk(+201054)	N/A
Chr14	21284163	21284524	Chr14.13049	Kat6b(-216548), Adk(+231770)	N/A
Chr14	21285150	21285545	Chr14.13052	Kat6b(-215544), Adk(+232774)	N/A
Chr14	21287866	21288124	Chr14.13056	Kat6b(-212897), Adk(+235421)	N/A
Chr14	21288168	21288611	Chr14.13058	Kat6b(-212502), Adk(+235816)	N/A
Chr14	21290312	21290445	Chr14.13062	Kat6b(-210513), Adk(+237805)	N/A
Chr14	21308358	21308671	Chr14.13070	Kat6b(-192377), Adk(+255941)	N/A
Chr14	21313732	21313894	Chr14.13079	Kat6b(-187079), Adk(+261239)	N/A
Chr14	21314008	21314449	Chr14.13084	Kat6b(-186863), Adk(+261655)	N/A
Chr14	21368735	21368844	Chr14.13139	Kat6b(-132102), Adk(+316216)	N/A

Chr14	21368928	21360607	Chr14.13142	Kat6b(-131624),Adk(+316694)	N/A
Chr14	21383897	21384160	Chr14.13172	Kat6b(-116863),Adk(+331455)	N/A
Chr14	21402123	21402489	Chr14.13194	Kat6b(-96596),Adk(+349732)	N/A
Chr14	21434103	21434215	Chr14.13245	Kat6b(-66733),Adk(+391585)	N/A
Chr14	21434605	21435283	Chr14.13247	Kat6b(-65948),Adk(+382370)	N/A
Chr14	21441893	21442290	Chr14.13258	Kat6b(-58800),Adk(+389518)	N/A
Chr14	21489889	21489161	Chr14.13283	Kat6b(-11817),Adk(+436501)	N/A
Chr14	21490270	21490394	Chr14.13286	Kat6b(-10560),Adk(+437758)	N/A
Chr14	21497954	21498033	Chr14.13293	Kat6b(-2608)	N/A
Chr14	21498222	21498386	Chr14.13307	Kat6b(-2588)	N/A
Chr14	21498765	21498903	Chr14.13301	Kat6b(-2058)	N/A
Chr14	21498986	21499152	Chr14.13304	Kat6b(-1823)	N/A
Chr14	21499269	21499472	Chr14.13306	Kat6b(-1521)	N/A
Chr14	21499851	21499972	Chr14.13308	Kat6b(-980)	N/A
Chr14	21500103	21500670	Chr14.13309	Kat6b(-505)	N/A
Chr14	21500707	21501023	Chr14.13314	Kat6b(-27)	N/A
Chr14	21505114	21505276	Chr14.13319	Kat6b(+4303),Dupd1(+209381)	N/A
Chr14	21520944	21521495	Chr14.13351	Kat6b(+20328),Dupd1(+193356)	N/A
Chr14	21523258	21523364	Chr14.13363	Kat6b(+22419),Dupd1(+191265)	N/A
Chr14	21523683	21524084	Chr14.13364	Kat6b(-22992),Dupd1(+190692)	N/A
Chr14	21524216	21524428	Chr14.13368	Kat6b(+23430),Dupd1(+190254)	N/A
Chr14	21533379	21533533	Chr14.13375	Kat6b(+32564),Dupd1(+181120)	N/A
Chr14	21533599	21533907	Chr14.13376	Kat6b(+32861),Dupd1(+180823)	N/A
Chr14	21547866	21548047	Chr14.13388	Kat6b(+47065),Dupd1(+166619)	N/A
Chr14	21548096	21548312	Chr14.13391	Kat6b(+47312),Dupd1(+166372)	N/A
Chr14	21558871	21559077	Chr14.13406	Kat6b(+58082),Dupd1(+155602)	N/A
Chr14	21559191	21559333	Chr14.13407	Kat6b(+58370),Dupd1(+155314)	N/A
Chr14	21563721	21564087	Chr14.13413	Kat6b(+63012),Dupd1(+150672)	N/A
Chr14	21589716	21589977	Chr14.13451	Kat6b(+88955),Dupd1(+124729)	N/A
Chr14	21593303	21593419	Chr14.13466	Kat6b(+92469),Dupd1(+121215)	N/A
Chr14	21598655	21600006	Chr14.13478	Kat6b(+99039),Dupd1(+114645)	N/A
Chr14	21602045	21603034	Chr14.13480	Kat6b(+99448),Dupd1(+114236)	N/A
Chr14	21607497	21608299	Chr14.13486	Dupd1(+106678),Kat6b(+107006)	N/A
Chr14	21608750	21608893	Chr14.13491	Dupd1(+105754),Kat6b(+107930)	N/A
Chr14	21609014	21609140	Chr14.13495	Dupd1(+105499),Kat6b(+108185)	N/A
Chr14	21613143	21613333	Chr14.13511	Dupd1(+101338),Kat6b(+112346)	N/A
Chr14	21617129	21617578	Chr14.13526	Dupd1(+97222),Kat6b(+116462)	N/A
Chr14	21623312	21623531	Chr14.13545	Dupd1(+91154),Kat6b(+122530)	N/A
Chr14	21625831	21626090	Chr14.13555	Dupd1(+88615),Kat6b(+125069)	N/A
Chr14	21631702	21632113	Chr14.13566	Dupd1(+82668),Kat6b(+131016)	N/A
Chr14	21633647	21633999	Chr14.13572	Dupd1(+80753),Kat6b(+132931)	N/A
Chr14	21636851	21636866	Chr14.13589	Dupd1(+77828),Kat6b(+135856)	N/A
Chr14	21637775	21637989	Chr14.13598	Dupd1(+76869),Kat6b(+136995)	N/A
Chr14	8688620	8688899	Chr14.1363	4930452b06rik(-22520)	N/A
Chr14	21660262	21660387	Chr14.13650	Dupd1(+54251),Kat6b(+159433)	N/A
Chr14	21679697	21679865	Chr14.13735	Dupd1(+34795),Kat6b(+178889)	N/A
Chr14	21690587	21690839	Chr14.13755	Dupd1(+23863),Kat6b(+189821)	N/A
Chr14	21707144	21707595	Chr14.13772	Dupd1(+7206),Kat6b(+206478)	N/A
Chr14	21710480	21710590	Chr14.13779	Dupd1(+4041),Kat6b(+209643)	N/A
Chr14	21710836	21710945	Chr14.13783	Dupd1(+3685),Kat6b(+209999)	N/A
Chr14	21714586	21714734	Chr14.13790	Dupd1(-84)	N/A
Chr14	21719769	21719900	Chr14.13797	Dupd1(-5259),Dupd13(+23044)	N/A
Chr14	21720020	21720166	Chr14.13801	Dupd1(-5517),Dupd13(+22786)	N/A
Chr14	21722562	21722678	Chr14.13872	Vdac2(-58649),Samd8(+22089)	N/A
Chr14	21793996	21794139	Chr14.13910	Vdac2(-37201),Samd8(+43537)	N/A
Chr14	21850964	21851366	Chr14.13985	Comtd1(-2198)	N/A
Chr14	21866299	21866631	Chr14.13992	Comtd1(-17488),Zfp503(+123136)	N/A
Chr14	21891818	21892053	Chr14.14004	Comtd1(-42959),Zfp503(+97865)	N/A
Chr14	21892682	21892778	Chr14.14008	Comtd1(-43203),Zfp503(+97421)	N/A
Chr14	21892941	21892457	Chr14.14009	Comtd1(-43422),Zfp503(+97202)	N/A
Chr14	21903275	21903390	Chr14.14010	Comtd1(-54356),Zfp503(+86268)	N/A
Chr14	21903823	21904105	Chr14.14013	Comtd1(-54987),Zfp503(+85637)	N/A
Chr14	21904410	21905136	Chr14.14015	Comtd1(-55796),Zfp503(+84828)	N/A
Chr14	21968885	21967052	Chr14.14081	Comtd1(-117992),Zfp503(+22632)	N/A
Chr14	21984115	21984289	Chr14.14074	Comtd1(-135230),Zfp503(+5394)	N/A
Chr14	21984328	21984440	Chr14.14076	Comtd1(-135407),Zfp503(+5217)	N/A
Chr14	21984534	21984673	Chr14.14077	Comtd1(-135627),Zfp503(+4997)	N/A
Chr14	21987789	21988129	Chr14.14102	Comtd1(-138982),Zfp503(+1642)	N/A
Chr14	21988345	21988558	Chr14.14109	Comtd1(-139475),Zfp503(+1149)	N/A
Chr14	21988617	21988671	Chr14.14116	Zfp503(-902)	N/A
Chr14	21989042	21989673	Chr14.14120	Zfp503(-7)	N/A
Chr14	21993396	21993528	Chr14.14136	Zfp503(-3861)	N/A
Chr14	21994390	21994672	Chr14.14141	Zfp503(-4930)	N/A
Chr14	22036203	22036309	Chr14.14189	Lrmda(+16544)	N/A
Chr14	22036480	22036612	Chr14.14197	Lrmda(+16834)	N/A
Chr14	22037941	22038040	Chr14.14205	Lrmda(+18279)	N/A
Chr14	22048922	22049167	Chr14.14237	Lrmda(+29333)	N/A
Chr14	22052262	22052392	Chr14.14246	Lrmda(+32615)	N/A
Chr14	22052506	22052613	Chr14.14247	Lrmda(+32848)	N/A
Chr14	22055761	22055893	Chr14.14249	Lrmda(+36115)	N/A
Chr14	22069570	22069631	Chr14.14283	Lrmda(+49859)	N/A
Chr14	22074206	22074419	Chr14.14298	Lrmda(+54051)	N/A
Chr14	22074656	22074758	Chr14.14303	Lrmda(+54995)	N/A
Chr14	22090012	22090660	Chr14.14321	Lrmda(+70624)	N/A
Chr14	22090743	22091075	Chr14.14327	Lrmda(+71197)	N/A
Chr14	22091170	22091610	Chr14.14328	Lrmda(+71678)	N/A
Chr14	22118951	22119114	Chr14.14391	Lrmda(+99321)	N/A
Chr14	22131129	22131337	Chr14.14410	Lrmda(+111521)	N/A
Chr14	22152449	22153003	Chr14.14444	Lrmda(+133014)	N/A
Chr14	22153885	22154326	Chr14.14449	Lrmda(+134394)	N/A
Chr14	22155220	22155360	Chr14.14453	Lrmda(+135578)	N/A
Chr14	22155532	22155125	Chr14.14454	Lrmda(+136117)	N/A
Chr14	22167886	22167888	Chr14.14490	Lrmda(+147925)	N/A
Chr14	22168332	22168514	Chr14.14499	Lrmda(+148711)	N/A
Chr14	7889415	7889560	Chr14.145	Flnb(+71531),Dnase1f3(+105085)	N/A
Chr14	22168768	22168917	Chr14.14501	Lrmda(+149131)	N/A
Chr14	22176132	22176450	Chr14.14514	Lrmda(+150579)	N/A
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Chr14	22212922	22213146	Chr14.14612	Lrmda(+193322)	N/A
Chr14	8947129	8947500	Chr14.1465	4930452b06rik(-281075)	N/A
Chr14	22255436	22255703	Chr14.14709	Lrmda(+235858)	N/A
Chr14	22257047	22257215	Chr14.14712	Lrmda(+237419)	N/A
Chr14	22257637	22257844	Chr14.14716	Lrmda(+238029)	N/A
Chr14	22259599	22259897	Chr14.14728	Lrmda(+240036)	N/A
Chr14	22326481	22326669	Chr14.14911	Lrmda(+306863)	N/A
Chr14	22363047	22363271	Chr14.14977	Lrmda(+343447)	N/A
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Chr14	22365026	22365368	Chr14.14987	Lrmda(+345489)	N/A
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Chr14	22440421	22440761	Chr14.15150	Lrmda(+420879)	N/A
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Chr14	22458069	22458239	Chr14.15187	Lrmda(+438442)	N/A
Chr14	22495379	22495379	Chr14.15259	Lrmda(+475506)	N/A
Chr14	22495449	22495733	Chr14.15260	Lrmda(+475879)	N/A
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Chr14	22575052	22575218	Chr14.15407	Lrmda(+555423)	N/A
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Chr14	22600295	22600465	Chr14.15483	Lrmda(+580668)	N/A
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Chr14	22647881	22647995	Chr14.15551	Lrmda(+628226)	N/A
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Chr14	22649400	22649519	Chr14.15558	Lrmda(+628748)	N/A
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Chr14	22650584	22650693	Chr14.15572	Lrmda(+630927)	N/A
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Chr14	22651548	22651687	Chr14.15578	Lrmda(+631896)	N/A
Chr14	22686848	22686907	Chr14.15610	Lrmda(+649216)	N/A

Chr14	22679304	22679429	Chr14.15629	Lrmda(+659655)	N/A
Chr14	22680045	22680148	Chr14.15634	Lrmda(+660385)	N/A
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Chr14	22690551	22696591	Chr14.15653	Lrmda(+676509)	N/A
Chr14	22705148	22705247	Chr14.15670	Lrmda(+685486)	N/A
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Chr14	22710465	22710644	Chr14.15699	Lrmda(+690843)	N/A
Chr14	22710773	22711306	Chr14.15700	Lrmda(+691328)	N/A
Chr14	22721698	22722119	Chr14.15724	Lrmda(+702029)	N/A
Chr14	22728662	22728851	Chr14.15737	Lrmda(+709045)	N/A
Chr14	22734950	22735135	Chr14.15746	Lrmda(+715331)	N/A
Chr14	22745885	22746413	Chr14.15771	Lrmda(+726437)	N/A
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Chr14	22751358	22751680	Chr14.15782	Lrmda(+731797)	N/A
Chr14	22759189	22759629	Chr14.15802	Lrmda(+739997)	N/A
Chr14	22759809	22760124	Chr14.15804	Lrmda(+740255)	N/A
Chr14	22783022	22783805	Chr14.15866	Lrmda(+763702)	N/A
Chr14	22800935	22801201	Chr14.15901	Lrmda(+781356)	N/A
Chr14	22807254	22807601	Chr14.15927	Lrmda(+787716),Kcnma1(+995876)	N/A
Chr14	22813146	22813283	Chr14.15941	Lrmda(+793503),Kcnma1(+990089)	N/A
Chr14	22813368	22813615	Chr14.15942	Lrmda(+793780),Kcnma1(+989812)	N/A
Chr14	22813655	22813816	Chr14.15943	Lrmda(+794024),Kcnma1(+989568)	N/A
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Chr14	22814918	22815308	Chr14.15950	Lrmda(+795401),Kcnma1(+988191)	N/A
Chr14	22823196	22823384	Chr14.15973	Lrmda(+803578),Kcnma1(+980014)	N/A
Chr14	22825545	22825646	Chr14.15977	Lrmda(+808384),Kcnma1(+976708)	N/A
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Chr14	22844447	22844590	Chr14.16007	Lrmda(+824807),Kcnma1(+958785)	N/A
Chr14	22847060	22847236	Chr14.16019	Lrmda(+827436),Kcnma1(+956156)	N/A
Chr14	22847360	22847503	Chr14.16022	Lrmda(+827720),Kcnma1(+955872)	N/A
Chr14	22863798	22863951	Chr14.16040	Lrmda(+844163),Kcnma1(+939429)	N/A
Chr14	22864075	22864638	Chr14.16042	Lrmda(+84645),Kcnma1(+939947)	N/A
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Chr14	22905616	22905744	Chr14.16104	Lrmda(+885968),Kcnma1(+987624)	N/A
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Chr14	22940214	22940407	Chr14.16172	Kcnma1(+86293),Lrmda(+902599)	N/A
Chr14	22965354	22965525	Chr14.16222	Kcnma1(+837864),Lrmda(+945728)	N/A
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Chr14	23051266	23051471	Chr14.16337	Kcnma1(+751935)	N/A
Chr14	23051505	23051625	Chr14.16341	Kcnma1(+751739)	N/A
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Chr14	23063851	23064029	Chr14.16395	Kcnma1(+719364)	N/A
Chr14	23065943	23066309	Chr14.16428	Kcnma1(+707176)	N/A
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Chr14	23335579	23335700	Chr14.16798	Kcnma1(+467664)	N/A
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Chr14	23422399	23422910	Chr14.17022	Kcnma1(+380649)	N/A
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Chr14	23494017	23494719	Chr14.17211	Kcnma1(+308936)	N/A
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Chr14	23502172	23502327	Chr14.17235	Kcnma1(+301054)	N/A
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Chr14	23523807	23524298	Chr14.17296	Kcnma1(+279251)	N/A
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Chr14	23581298	23581486	Chr14.17380	Kcnma1(+221912)	N/A
Chr14	23592788	23592964	Chr14.17408	Kcnma1(+210458)	N/A
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Chr14	23902719	23902933	Chr14.17829	Kcnma1(+99522),Dlg5(+343094)	N/A
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Chr14	24205734	24205868	Chr14.18161	Kcnma1(+402497),Dlg5(+40119)	N/A
Chr14	24214717	24214897	Chr14.18172	Kcnma1(+411503),Dlg5(+31113)	N/A
Chr14	24216197	24216370	Chr14.18176	Kcnma1(+412980),Dlg5(+29636)	N/A
Chr14	24222930	24223068	Chr14.18183	Kcnma1(+419695),Dlg5(+22921)	N/A
Chr14	24258842	24258964	Chr14.18203	E330034g19rk(-34461),Dlg5(+12983)	N/A
Chr14	24262037	24262178	Chr14.18204	E330034g19rk(-31256),Dlg5(+16188)	N/A
Chr14	24262686	24263227	Chr14.18206	E330034g19rk(-30257),Dlg5(+17187)	N/A
Chr14	24439324	24439094	Chr14.18346	Zmiz1(-965215),Rps24(+3328)	N/A
Chr14	24495332	24495446	Chr14.18350	Zmiz1(-963835),Rps24(+4708)	N/A
Chr14	24500767	24500898	Chr14.18356	Zmiz1(-958391),Rps24(+10152)	N/A
Chr14	24526557	24526700	Chr14.18375	Zmiz1(-932595),Rps24(+35948)	N/A
Chr14	24530171	24530401	Chr14.18379	Zmiz1(-928393),Rps24(+39908)	N/A
Chr14	24551109	24551347	Chr14.18389	Zmiz1(-907996),Rps24(+60547)	N/A
Chr14	24565055	24565230	Chr14.18395	Zmiz1(-894081),Rps24(+74462)	N/A
Chr14	24578970	24579077	Chr14.18406	Zmiz1(-880200),Rps24(+88343)	N/A
Chr14	24587070	24587269	Chr14.18411	Zmiz1(-872054),Rps24(+96489)	N/A
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Chr14	246150814	24615108	Chr14.18467	Zmiz1(-808263),Rps24(+160280)	N/A
Chr14	24763234	24763451	Chr14.18506	Zmiz1(-695881),Rps24(+272662)	N/A
Chr14	24770123	24770250	Chr14.18512	Zmiz1(-689037),Rps24(+279506)	N/A
Chr14	24772057	24772254	Chr14.18514	Zmiz1(-687068),Rps24(+281475)	N/A
Chr14	24793573	24793911	Chr14.18520	Zmiz1(-665482),Rps24(+303061)	N/A
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Chr14	24846230	24846548	Chr14.18596	Zmiz1(-612835),Rps24(+355708)	N/A
Chr14	24869052	24869198	Chr14.18613	Zmiz1(-590099),Rps24(+378444)	N/A
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Chr14	24875058	24875535	Chr14.18621	Zmiz1(-563927),Rps24(+384616)	N/A
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Chr14	24911747	24911848	Chr14.18643	Zmiz1(-547426),Rps24(+421117)	N/A
Chr14	24956943	24957100	Chr14.18660	Zmiz1(-502202),Rps24(+466341)	N/A
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Chr14	24992950	24993067	Chr14.18703	Zmiz1(-466215),Rps24(+502328)	N/A
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Chr14	24994824	24994959	Chr14.18715	Zmiz1(-464332),Rps24(+504211)	N/A
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Chr14	25019466	25019655	Chr14.18733	Zmiz1(-439663),Rps24(+528880)	N/A
Chr14	25020413	25020516	Chr14.18738	Zmiz1(-438759),Rps24(+529784)	N/A
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Chr14	25023071	25023310	Chr14.18750	Zmiz1(-436033),Rps24(+532510)	N/A

Chr14	25023630	25023737	Chr14.18751	Zmiz1(-435540),Rps24(+533003)	N/A
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Chr14	25064814	25064963	Chr14.18788	Zmiz1(-394335),Rps24(+574208)	N/A
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Chr14	25123659	25124193	Chr14.18854	Zmiz1(-335298),Rps24(+633245)	N/A
Chr14	25126520	25126619	Chr14.18862	Zmiz1(-332654),Rps24(+635889)	N/A
Chr14	25126729	25126831	Chr14.18865	Zmiz1(-332444),Rps24(+636099)	N/A
Chr14	25127643	25127882	Chr14.18869	Zmiz1(-331461),Rps24(+637082)	N/A
Chr14	25135495	25135689	Chr14.18873	Zmiz1(-323632),Rps24(+644911)	N/A
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Chr14	25185976	25186146	Chr14.18919	Zmiz1(-273163),Rps24(+695380)	N/A
Chr14	25190857	25191007	Chr14.18929	Zmiz1(-268292),Rps24(+700251)	N/A
Chr14	25191038	25191175	Chr14.18933	Zmiz1(-268117),Rps24(+700426)	N/A
Chr14	25193414	25193572	Chr14.18937	Zmiz1(-265731),Rps24(+702812)	N/A
Chr14	25195282	25195455	Chr14.18941	Zmiz1(-263855),Rps24(+704688)	N/A
Chr14	25197019	25197170	Chr14.18945	Zmiz1(-262129),Rps24(+706414)	N/A
Chr14	25200771	25200938	Chr14.18948	Zmiz1(-258369),Rps24(+710714)	N/A
Chr14	25211658	25211809	Chr14.18961	Zmiz1(-247490),Rps24(+721053)	N/A
Chr14	25225427	25225604	Chr14.18965	Zmiz1(-233708),Rps24(+734835)	N/A
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Chr14	25243608	25243836	Chr14.18984	Zmiz1(-215502),Rps24(+753041)	N/A
Chr14	25264880	25265036	Chr14.18993	Zmiz1(-194266),Rps24(+774277)	N/A
Chr14	25266809	25266932	Chr14.18996	Zmiz1(-192353),Rps24(+776190)	N/A
Chr14	25278053	25278497	Chr14.19012	Zmiz1(-180949),Rps24(+787594)	N/A
Chr14	25304597	25304715	Chr14.19031	Zmiz1(-154568),Rps24(+813973)	N/A
Chr14	25315031	25315180	Chr14.19039	Zmiz1(-144118),Rps24(+824425)	N/A
Chr14	25317969	25318424	Chr14.19044	Zmiz1(-141027),Rps24(+827516)	N/A
Chr14	25322946	25323096	Chr14.19056	Zmiz1(-136203),Rps24(+832340)	N/A
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Chr14	25350452	25350598	Chr14.19088	Zmiz1(-108699),Rps24(+859844)	N/A
Chr14	25353976	25354128	Chr14.19092	Zmiz1(-105172),Rps24(+863371)	N/A
Chr14	25359758	25360048	Chr14.19100	Zmiz1(-99321),Rps24(+869222)	N/A
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Chr14	25378581	25378783	Chr14.19122	Zmiz1(-80542),Rps24(+888001)	N/A
Chr14	25378893	25379102	Chr14.19124	Zmiz1(-80226),Rps24(+888317)	N/A
Chr14	25395049	25395292	Chr14.19128	Zmiz1(-84053),Rps24(+904490)	N/A
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Chr14	25405430	25405577	Chr14.19155	Zmiz1(-53720),Rps24(+914823)	N/A
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Chr14	25420070	25420187	Chr14.19167	Zmiz1(-39095),Rps24(+929445)	N/A
Chr14	25445428	25445544	Chr14.19180	Zmiz1(-13738),Rps24(+954805)	N/A
Chr14	25457711	25457833	Chr14.19196	Zmiz1(-1452)	N/A
Chr14	25461226	25461340	Chr14.19207	Ppif(-232887),Zmiz1(+2059)	N/A
Chr14	25461962	25462107	Chr14.19213	Ppif(-232135),Zmiz1(+2811)	N/A
Chr14	25465067	25465236	Chr14.19224	Ppif(-229018),Zmiz1(+5928)	N/A
Chr14	25472571	25472782	Chr14.19227	Ppif(-221503),Zmiz1(+13443)	N/A
Chr14	25476544	25476781	Chr14.19232	Ppif(-217507),Zmiz1(+17439)	N/A
Chr14	25478156	25478272	Chr14.19238	Ppif(-215956),Zmiz1(+18990)	N/A
Chr14	25481177	25481452	Chr14.19240	Ppif(-212855),Zmiz1(+22091)	N/A
Chr14	25490627	25490736	Chr14.19255	Ppif(-203488),Zmiz1(+31458)	N/A
Chr14	25496239	25496484	Chr14.19262	Ppif(-197808),Zmiz1(+37138)	N/A
Chr14	25498709	25498942	Chr14.19275	Ppif(-195344),Zmiz1(+39602)	N/A
Chr14	25499077	25499197	Chr14.19277	Ppif(-195033),Zmiz1(+39913)	N/A
Chr14	25511940	25512116	Chr14.19286	Ppif(-182142),Zmiz1(+52804)	N/A
Chr14	25517284	25517456	Chr14.19298	Ppif(-176800),Zmiz1(+58146)	N/A
Chr14	25525687	25525810	Chr14.19305	Ppif(-168121),Zmiz1(+60625)	N/A
Chr14	25532942	25533344	Chr14.19314	Ppif(-160877),Zmiz1(+740629)	N/A
Chr14	25547392	25547589	Chr14.19322	Ppif(-146679),Zmiz1(+88267)	N/A
Chr14	25548758	25548860	Chr14.19327	Ppif(-145361),Zmiz1(+89585)	N/A
Chr14	25550330	25550478	Chr14.19328	Ppif(-143766),Zmiz1(+91180)	N/A
Chr14	25551884	25551988	Chr14.19333	Ppif(-144234),Zmiz1(+92712)	N/A
Chr14	25553709	25553825	Chr14.19336	Ppif(-140403),Zmiz1(+94543)	N/A
Chr14	25555580	25555658	Chr14.19339	Ppif(-138351),Zmiz1(+96595)	N/A
Chr14	25557412	25557724	Chr14.19352	Ppif(-136602),Zmiz1(+98344)	N/A
Chr14	25564706	25564811	Chr14.19354	Ppif(-129411),Zmiz1(+105535)	N/A
Chr14	25590632	25590799	Chr14.19389	Ppif(-103454),Zmiz1(+131492)	N/A
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Chr14	25594247	25594371	Chr14.19394	Ppif(-99861),Zmiz1(+135058)	N/A
Chr14	25600003	25600147	Chr14.19401	Ppif(-94095),Zmiz1(+140851)	N/A
Chr14	25601186	25601304	Chr14.19405	Ppif(-92925),Zmiz1(+142021)	N/A
Chr14	25604447	25604601	Chr14.19410	Ppif(-89646),Zmiz1(+145300)	N/A
Chr14	25606058	25606346	Chr14.19421	Ppif(-87967),Zmiz1(+146979)	N/A
Chr14	25609448	25609582	Chr14.19438	Ppif(-94655),Zmiz1(+150291)	N/A
Chr14	25610563	25610755	Chr14.19439	Ppif(-83511),Zmiz1(+151435)	N/A
Chr14	25612393	25612537	Chr14.19447	Ppif(-81705),Zmiz1(+153241)	N/A
Chr14	25634005	25634243	Chr14.19464	Ppif(-60046),Zmiz1(+174900)	N/A
Chr14	9450649	9450793	Chr14.1947	4930452b06rik(-784481)	N/A
Chr14	9450834	9450965	Chr14.1950	4930452b06rik(-784660)	N/A
Chr14	25711634	25711749	Chr14.19609	Ppif(-17522),Zcchc24(+57164)	N/A
Chr14	25713761	25713922	Chr14.19618	Ppif(+19672),Zcchc24(+55014)	N/A
Chr14	25734783	25734914	Chr14.19639	Zcchc24(+34007),Ppif(+40679)	N/A
Chr14	25735025	25735133	Chr14.19645	Zcchc24(+33777),Ppif(+40909)	N/A
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Chr14	25736890	25736833	Chr14.19649	Zcchc24(+32089),Ppif(+42367)	N/A
Chr14	25749676	25749848	Chr14.19661	Zcchc24(+19094),Ppif(+55592)	N/A
Chr14	25765959	25766229	Chr14.19687	Zcchc24(+2762),Ppif(+71924)	N/A
Chr14	9469674	9469796	Chr14.1969	4930452b06rik(-803495)	N/A
Chr14	25766331	25766431	Chr14.19692	Zcchc24(+2475),Ppif(+72211)	N/A
Chr14	25796967	25796985	Chr14.19710	Anxa11(-45432),Zcchc24(+27895)	N/A
Chr14	25803548	25803693	Chr14.19714	Anxa11(-38562),Zcchc24(+34765)	N/A
Chr14	26417241	26417451	Chr14.19825	Gm2178(-97208),Duxb3(+155088)	N/A
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Chr14	26420615	26421319	Chr14.19844	Gm2178(-93587),Duxb3(+158709)	N/A
Chr14	26533029	26533163	Chr14.19934	Slmap(+1835),Gm2178(+18542)	N/A
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Chr14	26534812	26535064	Chr14.19948	Slmap(-7)	N/A
Chr14	26548176	26548308	Chr14.19968	Dennd6a(-31336),Slmap(-13311)	N/A
Chr14	26638079	26638207	Chr14.20037	Arf4os(+40),Arf4(+69)	N/A
Chr14	26814405	26814598	Chr14.20280	Asb14(-80055),Dnah12(+121228)	N/A
Chr14	27042437	27042552	Chr14.20584	Arhgef3(-195454),I17rd(+3494)	N/A
Chr14	27043435	27043669	Chr14.20587	Arhgef3(-194487),I17rd(+4551)	N/A
Chr14	27045081	27045385	Chr14.20594	Arhgef3(-192806),I17rd(-6232)	N/A
Chr14	27046112	27046307	Chr14.20601	Arhgef3(-191829),I17rd(+7209)	N/A
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Chr14	27058741	27058988	Chr14.20648	Arhgef3(-179174),I17rd(-19864)	N/A
Chr14	27059446	27059661	Chr14.20653	Arhgef3(-178485),I17rd(-20553)	N/A
Chr14	27066368	27066640	Chr14.20667	Arhgef3(-171535),I17rd(-27503)	N/A
Chr14	27067686	27068196	Chr14.20676	Arhgef3(-169947),I17rd(+20091)	N/A
Chr14	27069522	27069774	Chr14.20684	Arhgef3(-168391),I17rd(-30647)	N/A
Chr14	27069895	27070014	Chr14.20689	Arhgef3(-168084),I17rd(-30954)	N/A
Chr14	27070715	27070964	Chr14.20691	Arhgef3(-167199),I17rd(+31839)	N/A
Chr14	27075802	27076042	Chr14.20703	Arhgef3(-162117),I17rd(-36921)	N/A
Chr14	27085970	27086074	Chr14.20722	Arhgef3(-152071),I17rd(+47021)	N/A
Chr14	27102745	27102926	Chr14.20794	Arhgef3(-135203),I17rd(+63835)	N/A
Chr14	27105818	27106032	Chr14.20800	Arhgef3(-132194),I17rd(-66934)	N/A
Chr14	27167304	27167443	Chr14.20839	Arhgef3(-70665),I17rd(+128373)	N/A
Chr14	27175214	27175316	Chr14.20851	Arhgef3(-62774),I17rd(+136264)	N/A
Chr14	27200902	27201090	Chr14.20864	Arhgef3(-37043),I17rd(+161995)	N/A
Chr14	27230716	27230956	Chr14.20880	Arhgef3(-7203),I17rd(+191835)	N/A
Chr14	27236166	27236277	Chr14.20892	Arhgef3(-1817)	N/A
Chr14	27237851	27238055	Chr14.20900	Arhgef3(-86)	N/A

Chr14	27325585	27325789	Chr14.20999	Tasor(-103160),Arhgef3(+87648)	N/A
Chr14	27332555	27332755	Chr14.21011	Tasor(-96192),Arhgef3(+94616)	N/A
Chr14	27336084	27336262	Chr14.21017	Tasor(-92674),Arhgef3(+98134)	N/A
Chr14	27351574	27352022	Chr14.21048	Tasor(-77049),Arhgef3(+113759)	N/A
Chr14	27367280	27367380	Chr14.21080	Tasor(-61517),Arhgef3(+129291)	N/A
Chr14	27388312	27388444	Chr14.21114	Tasor(-40469),Arhgef3(+150339)	N/A
Chr14	27388853	27389038	Chr14.21119	Tasor(-39901),Arhgef3(+150907)	N/A
Chr14	27402110	27402237	Chr14.21172	Tasor(-26673),Arhgef3(+164135)	N/A
Chr14	27403323	27403628	Chr14.21177	Tasor(-25371),Arhgef3(+165437)	N/A
Chr14	27405531	27405637	Chr14.21184	Tasor(-33253),Arhgef3(+167945)	N/A
Chr14	27429549	27429951	Chr14.21193	Tasor(+903)	N/A
Chr14	27622751	27622888	Chr14.21425	Erc2(+378)	N/A
Chr14	27661629	27661901	Chr14.21488	Wnt5a(-842985),Erc2(+39323)	N/A
Chr14	27662348	27662545	Chr14.21495	Wnt5a(-842303),Erc2(+40005)	N/A
Chr14	27759292	27759807	Chr14.21588	Wnt5a(-745300),Erc2(+137008)	N/A
Chr14	27760018	27760133	Chr14.21597	Wnt5a(-744674),Erc2(+137634)	N/A
Chr14	27765541	27765717	Chr14.21608	Wnt5a(-738121),Erc2(+143187)	N/A
Chr14	27781463	27781569	Chr14.21643	Wnt5a(-723234),Erc2(+159074)	N/A
Chr14	9623066	9623168	Chr14.2165	4930452b06rik(-956877)	N/A
Chr14	27808745	27808846	Chr14.21693	Wnt5a(-695954),Erc2(+186354)	N/A
Chr14	27808877	27809119	Chr14.21694	Wnt5a(-695752),Erc2(+186555)	N/A
Chr14	27809907	27810258	Chr14.21696	Wnt5a(-694667),Erc2(+187641)	N/A
Chr14	27815409	27815536	Chr14.21702	Wnt5a(-689277),Erc2(+193031)	N/A
Chr14	27815708	27815856	Chr14.21704	Wnt5a(-688968),Erc2(+193340)	N/A
Chr14	27823897	27824133	Chr14.21721	Wnt5a(-680735),Erc2(+201573)	N/A
Chr14	27837709	27837963	Chr14.21749	Wnt5a(-668619),Erc2(+215394)	N/A
Chr14	27847499	27847777	Chr14.21753	Wnt5a(-657112),Erc2(+225196)	N/A
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Chr14	27920334	27920489	Chr14.21867	Wnt5a(-584338),Erc2(+297970)	N/A
Chr14	27920569	27920737	Chr14.21872	Wnt5a(-584097),Erc2(+298211)	N/A
Chr14	27921180	27921346	Chr14.21876	Wnt5a(-583486),Erc2(+298622)	N/A
Chr14	27937843	27938553	Chr14.21888	Wnt5a(-566552),Erc2(+315756)	N/A
Chr14	27997742	27997916	Chr14.21975	Wnt5a(-506921),Erc2(+375387)	N/A
Chr14	27998503	27998904	Chr14.21978	Wnt5a(-506046),Erc2(+376262)	N/A
Chr14	28003829	28004095	Chr14.21994	Wnt5a(-500788),Erc2(+381520)	N/A
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Chr14	28057753	28057957	Chr14.22150	Wnt5a(-446895),Erc2(+435413)	N/A
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Chr14	28088183	28088345	Chr14.22170	Wnt5a(-436486),Erc2(+445822)	N/A
Chr14	28097500	28097653	Chr14.22257	Wnt5a(-407173),Erc2(+471355)	N/A
Chr14	28097748	28097950	Chr14.22261	Wnt5a(-406801),Erc2(+475407)	N/A
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Chr14	28100289	28100438	Chr14.22276	Wnt5a(-404386),Erc2(+477922)	N/A
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Chr14	28126785	28127144	Chr14.22307	Wnt5a(-377789),Erc2(+504523)	N/A
Chr14	28164222	28164426	Chr14.22390	Wnt5a(-340426),Erc2(+541882)	N/A
Chr14	28164646	28164794	Chr14.22393	Wnt5a(-340030),Erc2(+542278)	N/A
Chr14	28164848	28165022	Chr14.22396	Wnt5a(-339815),Erc2(+542493)	N/A
Chr14	28165113	28165493	Chr14.22400	Wnt5a(-339447),Erc2(+542861)	N/A
Chr14	28165948	28166074	Chr14.22403	Wnt5a(-338739),Erc2(+543569)	N/A
Chr14	28166954	28167143	Chr14.22404	Wnt5a(-337701),Erc2(+544092)	N/A
Chr14	28202032	28202194	Chr14.22448	Wnt5a(-302637),Erc2(+579671)	N/A
Chr14	28202319	28202775	Chr14.22452	Wnt5a(-302203),Erc2(+580105)	N/A
Chr14	28203796	28203917	Chr14.22456	Wnt5a(-300893),Erc2(+581415)	N/A
Chr14	28207863	28207867	Chr14.22462	Wnt5a(-296989),Erc2(+585323)	N/A
Chr14	28219835	28220320	Chr14.22480	Wnt5a(-284672),Erc2(+597636)	N/A
Chr14	28220351	28220732	Chr14.22483	Wnt5a(-284208),Erc2(+598105)	N/A
Chr14	28229400	28229503	Chr14.22492	Wnt5a(-275298),Erc2(+607010)	N/A
Chr14	28240307	28240489	Chr14.22503	Wnt5a(-264352),Erc2(+617956)	N/A
Chr14	28247988	28248136	Chr14.22529	Wnt5a(-256688),Erc2(+625620)	N/A
Chr14	28249055	28249194	Chr14.22546	Wnt5a(-255625),Erc2(+626683)	N/A
Chr14	28251708	28251914	Chr14.22551	Wnt5a(-252939),Erc2(+629389)	N/A
Chr14	28252890	28253023	Chr14.22560	Wnt5a(-251793),Erc2(+630515)	N/A
Chr14	28253097	28253208	Chr14.22564	Wnt5a(-251597),Erc2(+630711)	N/A
Chr14	28260388	28260551	Chr14.22574	Wnt5a(-244280),Erc2(+638028)	N/A
Chr14	28266059	28266259	Chr14.22591	Wnt5a(-238591),Erc2(+643717)	N/A
Chr14	28276347	28276626	Chr14.22631	Wnt5a(-226264),Erc2(+650044)	N/A
Chr14	28279072	28279341	Chr14.22632	Wnt5a(-225432),Erc2(+658765)	N/A
Chr14	28281995	28282119	Chr14.22641	Wnt5a(-222693),Erc2(+659615)	N/A
Chr14	28285552	28285782	Chr14.22645	Wnt5a(-219083),Erc2(+663225)	N/A
Chr14	28295088	28295328	Chr14.22673	Wnt5a(-209542),Erc2(+672766)	N/A
Chr14	28317713	28317826	Chr14.22751	Wnt5a(-186980),Erc2(+693328)	N/A
Chr14	28332379	28332719	Chr14.22784	Wnt5a(-172201),Erc2(+710107)	N/A
Chr14	28349196	28349304	Chr14.22820	Wnt5a(-155500),Erc2(+726808)	N/A
Chr14	28362162	28362527	Chr14.22848	Wnt5a(-142405),Erc2(+739903)	N/A
Chr14	28362564	28362906	Chr14.22857	Wnt5a(-142015),Erc2(+740293)	N/A
Chr14	28371259	28371455	Chr14.22892	Wnt5a(-133393),Erc2(+748915)	N/A
Chr14	28371769	28372174	Chr14.22895	Wnt5a(-132778),Erc2(+749530)	N/A
Chr14	28374349	28374591	Chr14.22902	Wnt5a(-130280),Erc2(+753028)	N/A
Chr14	28375714	28376176	Chr14.22906	Wnt5a(-128805),Erc2(+753503)	N/A
Chr14	28376538	28376689	Chr14.22918	Wnt5a(-128136),Erc2(+754172)	N/A
Chr14	28410610	28410768	Chr14.22975	Wnt5a(-94061),Erc2(+788247)	N/A
Chr14	28410809	28411188	Chr14.22979	Wnt5a(-93751),Erc2(+788557)	N/A
Chr14	28412836	28413181	Chr14.22987	Wnt5a(-91819),Erc2(+790517)	N/A
Chr14	28417188	28417293	Chr14.22998	Wnt5a(-87509),Erc2(+794799)	N/A
Chr14	28419492	28419635	Chr14.23010	Wnt5a(-85186),Erc2(+797122)	N/A
Chr14	28435180	28435404	Chr14.23037	Wnt5a(-69458),Erc2(+812850)	N/A
Chr14	28441468	28441704	Chr14.23046	Wnt5a(-63164),Erc2(+819144)	N/A
Chr14	28450102	28450513	Chr14.23062	Wnt5a(-54442),Erc2(+827868)	N/A
Chr14	28450755	28451035	Chr14.23067	Wnt5a(-53855),Erc2(+828453)	N/A
Chr14	28452159	28452274	Chr14.23080	Wnt5a(-52533),Erc2(+829775)	N/A
Chr14	28456612	28456865	Chr14.23103	Wnt5a(-48011),Erc2(+834297)	N/A
Chr14	28465460	28465759	Chr14.23138	Wnt5a(-39140),Erc2(+843168)	N/A
Chr14	28476845	28477070	Chr14.23181	Wnt5a(-27792),Erc2(+854518)	N/A
Chr14	28484387	28484549	Chr14.23200	Wnt5a(-20282),Erc2(+862026)	N/A
Chr14	28501228	28501650	Chr14.23211	Wnt5a(-3311)	N/A
Chr14	28505177	28505297	Chr14.23227	Wnt5a(+487)	N/A
Chr14	28505429	28505632	Chr14.23229	Wnt5a(+781)	N/A
Chr14	28505661	28505769	Chr14.23233	Wnt5a(+965)	N/A
Chr14	28506068	28506782	Chr14.23235	Ltrm1(-511483),Wnt5a(+1975)	N/A
Chr14	28508651	28507004	Chr14.23237	Ltrm1(-511380),Wnt5a(+2178)	N/A
Chr14	28512207	28512348	Chr14.23263	Ltrm1(-505930),Wnt5a(+7528)	N/A
Chr14	28514167	28514564	Chr14.23281	Ltrm1(-503842),Wnt5a(+9616)	N/A
Chr14	28515681	28515804	Chr14.23292	Ltrm1(-502465),Wnt5a(+10993)	N/A
Chr14	28519758	28519938	Chr14.23308	Ltrm1(-498360),Wnt5a(+15098)	N/A
Chr14	28525055	28525162	Chr14.23342	Ltrm1(-490399),Wnt5a(+20359)	N/A
Chr14	28525736	28525866	Chr14.23350	Ltrm1(-492407),Wnt5a(+21051)	N/A
Chr14	28532665	28532820	Chr14.23367	Ltrm1(-485465),Wnt5a(+27993)	N/A
Chr14	28532981	28533217	Chr14.23368	Ltrm1(-485109),Wnt5a(+28349)	N/A
Chr14	28652165	28652434	Chr14.23447	Ltrm1(-365908),Wnt5a(+147550)	N/A
Chr14	28664263	28664410	Chr14.23484	Ltrm1(-353871),Wnt5a(+159587)	N/A
Chr14	28675582	28675816	Chr14.23483	Ltrm1(-342509),Wnt5a(+170949)	N/A
Chr14	28699743	28700023	Chr14.23517	Ltrm1(-318325),Wnt5a(+195133)	N/A
Chr14	28700073	28700186	Chr14.23522	Ltrm1(-318078),Wnt5a(+195380)	N/A
Chr14	28700283	28700660	Chr14.23525	Ltrm1(-317736),Wnt5a(+195722)	N/A
Chr14	28714647	28714761	Chr14.23531	Ltrm1(-303504),Wnt5a(+209954)	N/A
Chr14	28773151	28773260	Chr14.23580	Ltrm1(-245002),Wnt5a(+268456)	N/A
Chr14	28776827	28776968	Chr14.23598	Ltrm1(-242360),Wnt5a(+271098)	N/A
Chr14	28776194	28776332	Chr14.23600	Ltrm1(-241945),Wnt5a(+271513)	N/A
Chr14	28777023	28777256	Chr14.23605	Ltrm1(-241068),Wnt5a(+272390)	N/A
Chr14	28777285	28777619	Chr14.23607	Ltrm1(-240756),Wnt5a(+272702)	N/A
Chr14	28798321	28798646	Chr14.23631	Ltrm1(-219723),Wnt5a(+283735)	N/A
Chr14	28801929	28802185	Chr14.23637	Ltrm1(-216151),Wnt5a(+297307)	N/A
Chr14	28809533	28809641	Chr14.23655	Ltrm1(-208621),Wnt5a(+304837)	N/A
Chr14	28813651	28813905	Chr14.23666	Ltrm1(-204430),Wnt5a(+309028)	N/A
Chr14	28814045	28814205	Chr14.23672	Ltrm1(-204083),Wnt5a(+309375)	N/A
Chr14	28814344	28814683	Chr14.23675	Ltrm1(-203694),Wnt5a(+309764)	N/A
Chr14	28816240	28816632	Chr14.23686	Ltrm1(-201772),Wnt5a(+311686)	N/A
Chr14	28837327	28837481	Chr14.23732	Ltrm1(-180094),Wnt5a(+323654)	N/A
Chr14	28879384	28879600	Chr14.23801	Ltrm1(-138716),Wnt5a(+374742)	N/A
Chr14	28887418	28887723	Chr14.23814	Ltrm1(-130637),Wnt5a(+382821)	N/A
Chr14	28923290	28923621	Chr14.23856	Ltrm1(-94752),Wnt5a(+418706)	N/A
Chr14	28926458	28926559	Chr14.23888	Ltrm1(-91699),Wnt5a(+421759)	N/A
Chr14	28930799	28930966	Chr14.23872	Ltrm1(-873650),Wnt5a(+426098)	N/A
Chr14	28931243	28931501	Chr14.23875	Ltrm1(-86636),Wnt5a(+426622)	N/A

Chr14	28943803	28943954	Chr14.23905	Lrtm1(-74329), Wnt5a(+439129)	N/A
Chr14	28945455	28948910	Chr14.23912	Lrtm1(-69480), Wnt5a(+443978)	N/A
Chr14	28953555	28953689	Chr14.23918	Lrtm1(-64580), Wnt5a(+448072)	N/A
Chr14	28953873	28954305	Chr14.23919	Lrtm1(-64419), Wnt5a(+444339)	N/A
Chr14	28955429	28955547	Chr14.23928	Lrtm1(-62720), Wnt5a(+450738)	N/A
Chr14	28959023	28959205	Chr14.23934	Lrtm1(-59094), Wnt5a(+454364)	N/A
Chr14	28984367	28984507	Chr14.23971	Lrtm1(-33771), Wnt5a(+479687)	N/A
Chr14	28985659	28985884	Chr14.23974	Lrtm1(-32436), Wnt5a(+481022)	N/A
Chr14	28988524	28988685	Chr14.23977	Lrtm1(-29603), Wnt5a(+483659)	N/A
Chr14	28988772	28989050	Chr14.23977	Lrtm1(-29297), Wnt5a(+484161)	N/A
Chr14	28989609	28989808	Chr14.23989	Lrtm1(-28499), Wnt5a(+484959)	N/A
Chr14	28989938	28990144	Chr14.23997	Lrtm1(-28167), Wnt5a(+485291)	N/A
Chr14	7826552	7826881	Chr14.24	Flnb(+8760), Dnase1l3(+167856)	N/A
Chr14	28993318	28993459	Chr14.24005	Lrtm1(-24819), Wnt5a(+488639)	N/A
Chr14	28995434	28995537	Chr14.24009	Lrtm1(-22722), Wnt5a(+490736)	N/A
Chr14	28995894	28996088	Chr14.24013	Lrtm1(-22217), Wnt5a(+491241)	N/A
Chr14	28996260	28996402	Chr14.24017	Lrtm1(-21877), Wnt5a(+491581)	N/A
Chr14	29005758	29005934	Chr14.24029	Lrtm1(-12362), Wnt5a(+501096)	N/A
Chr14	29006579	29006848	Chr14.24030	Lrtm1(-11494), Wnt5a(+501964)	N/A
Chr14	29012343	29012455	Chr14.24048	Lrtm1(-5809), Wnt5a(+507649)	N/A
Chr14	29017867	29018033	Chr14.24060	Lrtm1(-558)	N/A
Chr14	29028160	29028405	Chr14.24114	Lrtm1(+10075), Cacna2d3(+693581)	N/A
Chr14	29028878	29029045	Chr14.24120	Lrtm1(+10754), Cacna2d3(+692902)	N/A
Chr14	29030308	29030471	Chr14.24122	Lrtm1(+12182), Cacna2d3(+691474)	N/A
Chr14	29055635	29055836	Chr14.24173	Lrtm1(+37528), Cacna2d3(+666128)	N/A
Chr14	29061159	29061159	Chr14.24185	Lrtm1(+42841), Cacna2d3(+66081)	N/A
Chr14	29065043	29065174	Chr14.24211	Lrtm1(+46901), Cacna2d3(+656755)	N/A
Chr14	29074541	29074651	Chr14.24223	Lrtm1(+56388), Cacna2d3(+647268)	N/A
Chr14	29077688	29077966	Chr14.24226	Lrtm1(+59619), Cacna2d3(+644037)	N/A
Chr14	29086556	29086690	Chr14.24246	Lrtm1(+68415), Cacna2d3(+635241)	N/A
Chr14	29097953	29098155	Chr14.24267	Lrtm1(+79948), Cacna2d3(+623810)	N/A
Chr14	29101579	29101694	Chr14.24281	Lrtm1(+83429), Cacna2d3(+620277)	N/A
Chr14	29108686	29108896	Chr14.24302	Lrtm1(+90583), Cacna2d3(+613073)	N/A
Chr14	29114140	29114372	Chr14.24307	Lrtm1(+96048), Cacna2d3(+607608)	N/A
Chr14	29154387	29154513	Chr14.24374	Lrtm1(+136242), Cacna2d3(+567414)	N/A
Chr14	29156958	29157574	Chr14.24377	Lrtm1(+139058), Cacna2d3(+564598)	N/A
Chr14	29154361	29164604	Chr14.24390	Lrtm1(+14627), Cacna2d3(+557381)	N/A
Chr14	29172258	29172409	Chr14.24413	Lrtm1(+154126), Cacna2d3(+549530)	N/A
Chr14	29178845	29178946	Chr14.24420	Lrtm1(+160688), Cacna2d3(+542968)	N/A
Chr14	29179046	29179214	Chr14.24423	Lrtm1(+160922), Cacna2d3(+542734)	N/A
Chr14	29183728	29183877	Chr14.24447	Lrtm1(+165595), Cacna2d3(+538061)	N/A
Chr14	29222302	29222426	Chr14.24501	Lrtm1(+204156), Cacna2d3(+499500)	N/A
Chr14	29222475	29222903	Chr14.24504	Lrtm1(+204481), Cacna2d3(+499175)	N/A
Chr14	29226173	29226379	Chr14.24512	Lrtm1(+208068), Cacna2d3(+495588)	N/A
Chr14	29229104	29229206	Chr14.24517	Lrtm1(+210947), Cacna2d3(+492709)	N/A
Chr14	29229237	29229531	Chr14.24521	Lrtm1(+211176), Cacna2d3(+492480)	N/A
Chr14	29230089	29230225	Chr14.24529	Lrtm1(+211949), Cacna2d3(+491707)	N/A
Chr14	29267673	29267859	Chr14.24540	Lrtm1(+249558), Cacna2d3(+540580)	N/A
Chr14	29268572	29268806	Chr14.24547	Lrtm1(+250481), Cacna2d3(+453175)	N/A
Chr14	29337433	29337549	Chr14.24626	Lrtm1(+319283), Cacna2d3(+384373)	N/A
Chr14	29340691	29341025	Chr14.24627	Lrtm1(+322650), Cacna2d3(+381006)	N/A
Chr14	29341068	29341450	Chr14.24631	Lrtm1(+323051), Cacna2d3(+380605)	N/A
Chr14	29394300	29394440	Chr14.24701	Cacna2d3(+327494), Lrtm1(+376162)	N/A
Chr14	29441636	29441746	Chr14.24769	Cacna2d3(+280173), Lrtm1(+234456)	N/A
Chr14	29442418	29442631	Chr14.24773	Cacna2d3(+279339), Lrtm1(+424317)	N/A
Chr14	29443548	29443807	Chr14.24780	Cacna2d3(+278186), Lrtm1(+425470)	N/A
Chr14	29449404	29449561	Chr14.24791	Cacna2d3(+272381), Lrtm1(+431275)	N/A
Chr14	29491788	29491911	Chr14.24865	Cacna2d3(+230014), Lrtm1(+473642)	N/A
Chr14	29496993	29496993	Chr14.24877	Cacna2d3(+223114), Lrtm1(+460542)	N/A
Chr14	29520451	29520640	Chr14.24909	Cacna2d3(+201318), Lrtm1(+652338)	N/A
Chr14	7829448	7829598	Chr14.25	Flnb(+11566), Dnase1l3(+165050)	N/A
Chr14	29590535	29590708	Chr14.25002	Cacna2d3(+131242), Lrtm1(+572414)	N/A
Chr14	29648934	29649037	Chr14.25092	Cacna2d3(+72878), Lrtm1(+630778)	N/A
Chr14	29707552	29707778	Chr14.25191	Cacna2d3(+14199), Lrtm1(+689457)	N/A
Chr14	29719007	29719208	Chr14.25222	Cacna2d3(+2157), Lrtm1(+700999)	N/A
Chr14	29719769	29719980	Chr14.25227	Cacna2d3(-1989), Lrtm1(+701667)	N/A
Chr14	29720150	29720442	Chr14.25228	Cacna2d3(+1568), Lrtm1(+702088)	N/A
Chr14	29720519	29720726	Chr14.25230	Cacna2d3(+1241), Lrtm1(+702415)	N/A
Chr14	29851525	29851639	Chr14.25338	Cacna2d3(-129718), Selenok(-116726)	N/A
Chr14	29870027	29870258	Chr14.25351	Cacna2d3(-146279), Selenok(-89165)	N/A
Chr14	29874763	29877728	Chr14.25360	Cacna2d3(-155783), Selenok(-90712)	N/A
Chr14	29877908	29878155	Chr14.25369	Cacna2d3(-156168), Selenok(-90276)	N/A
Chr14	29881968	29882137	Chr14.25374	Cacna2d3(-160189), Selenok(-86255)	N/A
Chr14	29882844	29883042	Chr14.25376	Cacna2d3(-161079), Selenok(-85365)	N/A
Chr14	29940419	29940566	Chr14.25420	Cacna2d3(-218629), Selenok(-27815)	N/A
Chr14	29970023	29970125	Chr14.25438	Adir8(-863), Selenok(-17166)	N/A
Chr14	30011906	30012019	Chr14.25527	l17fb(-3067), Chdh(+2940)	N/A
Chr14	30060900	30061049	Chr14.25667	Dcp1a(-418590), Chdh(+51952)	N/A
Chr14	30125490	30125630	Chr14.25840	Dcp1a(-354005), Chdh(+116537)	N/A
Chr14	30137036	30137153	Chr14.25857	Dcp1a(-342470), Chdh(+128072)	N/A
Chr14	30169616	30169739	Chr14.25887	Dcp1a(-309887), Chdh(+160655)	N/A
Chr14	30182652	30183185	Chr14.25914	Dcp1a(-296496), Chdh(+174046)	N/A
Chr14	30220326	30220425	Chr14.25954	Dcp1a(-259189), Chdh(+211353)	N/A
Chr14	30257865	30257985	Chr14.25974	Dcp1a(-221640), Chdh(+248902)	N/A
Chr14	30269409	30269677	Chr14.25983	Dcp1a(-210022), Chdh(+260520)	N/A
Chr14	30311080	30311200	Chr14.26014	Dcp1a(-168425), Chdh(+302117)	N/A
Chr14	30326297	30326494	Chr14.26023	Dcp1a(-153169), Chdh(+317373)	N/A
Chr14	30347685	30347799	Chr14.26060	Dcp1a(-131623), Chdh(+338719)	N/A
Chr14	30353085	30353202	Chr14.26091	Dcp1a(-126421), Chdh(+344121)	N/A
Chr14	30354440	30354596	Chr14.26092	Dcp1a(-125047), Chdh(+345495)	N/A
Chr14	30360592	30360757	Chr14.26103	Dcp1a(-118890), Chdh(+351652)	N/A
Chr14	30365946	30366141	Chr14.26113	Dcp1a(-113521), Chdh(+357021)	N/A
Chr14	9533787	9533940	Chr14.26234	None	N/A
Chr14	30557622	30557732	Chr14.26250	Tkl(+8546), Prkcd(-68531)	N/A
Chr14	30620152	30620264	Chr14.26446	Prkcd(-6000), Tkl(+71077)	N/A
Chr14	30632058	30632239	Chr14.26459	Rtt1(-22211), Prkcd(-5941)	N/A
Chr14	30697758	30697864	Chr14.26571	Smm1(-17804), Rtt1(+43451)	N/A
Chr14	30874601	30874709	Chr14.26895	Mustn1(-4602)	N/A
Chr14	30879411	30879518	Chr14.26704	Mustn1(+209)	N/A
Chr14	31022687	31022872	Chr14.27195	Gnl3(-3691), Pbrm1(+3642)	N/A
Chr14	31111636	31111775	Chr14.27288	Gm549(-34259), Smm4(+17224)	N/A
Chr14	31124521	31124624	Chr14.27343	Gm549(-47126), Smm4(+4357)	N/A
Chr14	31134744	31134928	Chr14.27358	N5dc2(-17)	N/A
Chr14	31168571	31168722	Chr14.27725	Stab1(+6)	N/A
Chr14	31184174	31184492	Chr14.27811	Stab1(-15692), Nisch(+22468)	N/A
Chr14	10046279	10046397	Chr14.2783	None	N/A
Chr14	31209251	31209401	Chr14.27865	Nisch(-2525), Tnnc1(+1014)	N/A
Chr14	10047557	10047705	Chr14.2796	None	N/A
Chr14	31237864	31238066	Chr14.28042	Phf7(+13203), Sema3g(+20155)	N/A
Chr14	31250679	31251089	Chr14.28077	Bap1(+455), Phf7(+184)	N/A
Chr14	31313499	31313671	Chr14.28602	Dnah1(+10311), Bap1(+62096)	N/A
Chr14	31423085	31423197	Chr14.28756	Sh3bp5(+12924), Capn7(+86503)	N/A
Chr14	31434836	31434942	Chr14.28769	Sh3bp5(+1176), Capn7(+98251)	N/A
Chr14	31556067	31556212	Chr14.28901	Colq(+21243), Eaf1(+61081)	N/A
Chr14	31561015	31561142	Chr14.28913	Colq(+16304), Eaf1(+68009)	N/A
Chr14	31564754	31564995	Chr14.28915	Colq(+12508), Eaf1(+69796)	N/A
Chr14	31569460	31569569	Chr14.28923	Colq(+7868), Eaf1(+74436)	N/A
Chr14	31577470	31577599	Chr14.28934	Colq(-152)	N/A
Chr14	31661899	31662031	Chr14.29008	Bltd(+20908), Ankrd28(+168450)	N/A
Chr14	31777697	31778705	Chr14.29175	Ankrd28(+50764), Bltd(+136594)	N/A
Chr14	31780154	31780444	Chr14.29180	Ankrd28(+50116), Bltd(+139245)	N/A
Chr14	31780599	31780807	Chr14.29186	Ankrd28(+49712), Bltd(+139646)	N/A
Chr14	31780987	31781242	Chr14.29191	Ankrd28(+49300), Bltd(+140058)	N/A
Chr14	31781321	31781545	Chr14.29196	Ankrd28(+48982), Bltd(+140376)	N/A
Chr14	31781613	31781889	Chr14.29202	Ankrd28(+48614), Bltd(+140744)	N/A
Chr14	31831369	31831575	Chr14.29216	Ankrd28(+1057)	N/A
Chr14	10167153	10167358	Chr14.2922	Fhlh(+99478)	N/A
Chr14	31857811	31857936	Chr14.29232	Galnt15(-171115), Ankrd28(-27459)	N/A
Chr14	31891771	31892015	Chr14.29252	Galnt15(-137096), Ankrd28(-61478)	N/A
Chr14	32003072	32003281	Chr14.29307	Ankrd28(-172762), Galnt15(-25812)	N/A
Chr14	32028904	32029093	Chr14.29316	Galnt15(+10)	N/A
Chr14	32267006	32267190	Chr14.29676	Ogth(-54921), Pang(+65149)	N/A
Chr14	7914405	7914525	Chr14.297	Dnase1l3(+80108), Flnb(+96508)	N/A
Chr14	32381093	32381267	Chr14.29862	1700024g13rk(+7193), Ogth(+59161)	N/A
Chr14	32440053	32440167	Chr14.29957	1700024g13rk(-51737), Chat(+25799)	N/A
Chr14	32492776	32493194	Chr14.30038	Chat(-27076), Erc6(-20536)	N/A
Chr14	32532365	32532706	Chr14.30102	Prx1(-43738), Erc6(-19030)	N/A
Chr14	32605602	32605789	Chr14.30284	Prx1(+5769), 3425401b19rk(+79576)	N/A

Chr14		32639877	32640028	Chr14.30354	<i>Prrxl1</i> (+40026),3425401b19nk(+45319)	N/A
Chr14		32685234	32685379	Chr14.30450	3425401b19nk(-35)	N/A
Chr14		32685584	32685696	Chr14.30453	3425401b19nk(-368)	N/A
Chr14		32817757	32817863	Chr14.30561	<i>Fam170b</i> (-16102), <i>Tmem273</i> (+31897)	N/A
Chr14		32889066	32889212	Chr14.30615	<i>Lrrc16</i> (-102228), <i>Vstm4</i> (+32398)	N/A
Chr14		32931842	32931954	Chr14.30649	<i>Lrrc18</i> (-59484), <i>Vstm4</i> (+75142)	N/A
Chr14		32950733	32951073	Chr14.30679	<i>Lrrc18</i> (-40479), <i>Vstm4</i> (+94147)	N/A
Chr14		32984329	32984458	Chr14.30770	<i>Lrrc18</i> (-6988), <i>Vstm4</i> (+127638)	N/A
Chr14		33057026	33057166	Chr14.30869	<i>Lrrc18</i> (+65714), <i>Wdrf4</i> (+127970)	N/A
Chr14		33250440	33250556	Chr14.31221	<i>Arhgap22</i> (-33675), <i>Mapk8</i> (+196660)	N/A
Chr14		33315159	33315365	Chr14.31246	<i>Arhgap22</i> (+98439), <i>Mapk8</i> (+31896)	N/A
Chr14		33798085	33798464	Chr14.31623	<i>Gdf10</i> (-125312), <i>Ptgn20</i> (+209005)	N/A
Chr14		33824425	33824739	Chr14.31642	<i>Gdf10</i> (-99005), <i>Ptgn20</i> (+235312)	N/A
Chr14		33841288	33841407	Chr14.31657	<i>Gdf10</i> (-82239), <i>Ptgn20</i> (+252078)	N/A
Chr14		33919209	33919490	Chr14.31703	<i>Gdf10</i> (-4237)	N/A
Chr14		33919555	33919767	Chr14.31705	<i>Gdf10</i> (-3926)	N/A
Chr14		33920984	33921441	Chr14.31711	<i>Gdf10</i> (-2374)	N/A
Chr14		33940818	33940931	Chr14.31774	<i>Gdf2</i> (-164)	N/A
Chr14		34215607	34215779	Chr14.32125	<i>Sy15</i> (-4354)	N/A
Chr14		34453675	34454004	Chr14.32433	<i>Bmpr1a</i> (+49847), <i>Mmm2</i> (+78336)	N/A
Chr14		34461231	34461446	Chr14.32442	<i>Bmpr1a</i> (+41346), <i>Mmm2</i> (+65835)	N/A
Chr14		34504546	34504651	Chr14.32455	<i>Bmpr1a</i> (-1912)	N/A
Chr14		34514506	34514642	Chr14.32466	<i>Bmpr1a</i> (-11887),9230112d13nk(+8227)	N/A
Chr14		34548930	34549067	Chr14.32499	9230112d13nk(-26198), <i>Ldb3</i> (+39682)	N/A
Chr14		34569703	34569891	Chr14.32525	9230112d13nk(-46996), <i>Ldb3</i> (+18884)	N/A
Chr14		34571712	34571925	Chr14.32530	9230112d13nk(-49018), <i>Ldb3</i> (+16862)	N/A
Chr14		34588626	34588806	Chr14.32568	<i>Ldb3</i> (-35)	N/A
Chr14		34593855	34589518	Chr14.32571	<i>Ldb3</i> (-771)	N/A
Chr14		34592293	34592416	Chr14.32577	<i>Ldb3</i> (-3674)	N/A
Chr14		34873944	34874094	Chr14.32725	<i>Gnd1</i> (+54194),4930596d02nk(+937959)	N/A
Chr14		34896373	34896481	Chr14.32737	<i>Gnd1</i> (+76602),4930596d02nk(+915551)	N/A
Chr14		34969625	34969724	Chr14.32842	<i>Gnd1</i> (+149850),4930596d02nk(+842303)	N/A
Chr14		35153988	35154179	Chr14.32972	<i>Gnd1</i> (+334259),4930596d02nk(+657894)	N/A
Chr14		36653139	36653305	Chr14.33703	<i>Ccser2</i> (+315555),4930474n05nk(+558257)	N/A
Chr14		36653474	36653596	Chr14.33708	<i>Ccser2</i> (+315242),4930474n05nk(+558570)	N/A
Chr14		36890275	36890441	Chr14.33821	<i>Ccser2</i> (+78419),4930474n05nk(+795393)	N/A
Chr14		36919209	36919463	Chr14.33842	<i>Ccser2</i> (+69441),4930474n05nk(+824371)	N/A
Chr14		7923088	7923189	Chr14.341	<i>Dnase1l3</i> (+71434), <i>Finb</i> (+105182)	N/A
Chr14		10577455	10577642	Chr14.3423	<i>Fhlh</i> (+584483)	N/A
Chr14		10632091	10632226	Chr14.3468	<i>Fhlh</i> (+529873)	N/A
Chr14		10647242	10647425	Chr14.3504	<i>Fhlh</i> (+514698)	N/A
Chr14		10655878	10656032	Chr14.3518	<i>Fhlh</i> (+506077)	N/A
Chr14		10662603	10662775	Chr14.3521	<i>Fhlh</i> (+499343)	N/A
Chr14		40949327	40949455	Chr14.35826	<i>Sh2d4b</i> (-56128), <i>Tspan14</i> (+17416)	N/A
Chr14		41008355	41008530	Chr14.35873	<i>Tspan14</i> (-41636), <i>Prxl2a</i> (+5332)	N/A
Chr14		45050101	45050322	Chr14.36189	<i>Ptger2</i> (+62017), <i>Txndc16</i> (+169182)	N/A
Chr14		45083879	45083786	Chr14.36212	<i>Ptger2</i> (+59538), <i>Txndc16</i> (+136661)	N/A
Chr14		45219613	45219768	Chr14.36301	<i>Gpr137c</i> (-303), <i>Txndc16</i> (-396)	N/A
Chr14		45220758	45220927	Chr14.36317	<i>Txndc16</i> (-1449), <i>Gpr137c</i> (-850)	N/A
Chr14		45221087	45221335	Chr14.36320	<i>Txndc16</i> (-1817), <i>Gpr137c</i> (+1218)	N/A
Chr14		45221396	45221512	Chr14.36322	<i>Txndc16</i> (-2060), <i>Gpr137c</i> (+1461)	N/A
Chr14		45438725	45438851	Chr14.36524	<i>Gnpnat1</i> (-49986), <i>Feml2</i> (+91330)	N/A
Chr14		45456265	45456431	Chr14.36535	<i>Gnpnat1</i> (-67546), <i>Feml2</i> (+73770)	N/A
Chr14		45456496	45456681	Chr14.36533	<i>Gnpnat1</i> (-61787), <i>Feml2</i> (+73529)	N/A
Chr14		45539774	45539877	Chr14.36625	<i>Feml2</i> (-9708), <i>Dahd1</i> (+118272)	N/A
Chr14		45540314	45540432	Chr14.36630	<i>Feml2</i> (-10255), <i>Dahd1</i> (+117725)	N/A
Chr14		45565673	45565833	Chr14.36642	<i>Feml2</i> (-35635), <i>Dahd1</i> (+92345)	N/A
Chr14		45587733	45587836	Chr14.36649	<i>Feml2</i> (-57667), <i>Dahd1</i> (+70313)	N/A
Chr14		45593648	45593776	Chr14.36657	<i>Feml2</i> (-63594), <i>Dahd1</i> (+64389)	N/A
Chr14		45772947	45773160	Chr14.36793	<i>Gm15217</i> (-606463), <i>Dahd1</i> (+114906)	N/A
Chr14		45815540	45815707	Chr14.36790	<i>Gm15217</i> (-563843), <i>Dahd1</i> (-157526)	N/A
Chr14		45825775	45825889	Chr14.36793	<i>Gm15217</i> (-553635), <i>Dahd1</i> (-167734)	N/A
Chr14		45826052	45826512	Chr14.36795	<i>Gm15217</i> (-553185), <i>Dahd1</i> (-168184)	N/A
Chr14		45920689	45921138	Chr14.36848	<i>Gm15217</i> (-495553), <i>Dahd1</i> (-262816)	N/A
Chr14		45963403	45963655	Chr14.36906	<i>Gm15217</i> (-419338), <i>Dahd1</i> (-305431)	N/A
Chr14		45983436	45983695	Chr14.36926	<i>Gm15217</i> (-395901), <i>Dahd1</i> (-325468)	N/A
Chr14		45984426	45984669	Chr14.36930	<i>Gm15217</i> (-394919), <i>Dahd1</i> (-326450)	N/A
Chr14		45989166	45989314	Chr14.36942	<i>Gm15217</i> (-390227), <i>Dahd1</i> (-331142)	N/A
Chr14		45992204	45992519	Chr14.36949	<i>Gm15217</i> (-387105), <i>Dahd1</i> (-334264)	N/A
Chr14		45992548	45992588	Chr14.36955	<i>Gm15217</i> (-386598), <i>Dahd1</i> (-334771)	N/A
Chr14		46005042	46005068	Chr14.36968	<i>Gm15217</i> (-373447), <i>Dahd1</i> (-347822)	N/A
Chr14		46060848	46061209	Chr14.37045	<i>Dahd1</i> (-402931), <i>Gm15217</i> (-318438)	N/A
Chr14		46075128	46075379	Chr14.37075	<i>Dahd1</i> (-417156), <i>Gm15217</i> (-304213)	N/A
Chr14		46096231	46096437	Chr14.37099	<i>Dahd1</i> (-438236), <i>Gm15217</i> (-283133)	N/A
Chr14		46146006	46146258	Chr14.37143	<i>Dahd1</i> (-486034), <i>Gm15217</i> (-233335)	N/A
Chr14		46163190	46163298	Chr14.37150	<i>Dahd1</i> (-505146), <i>Gm15217</i> (-216229)	N/A
Chr14		46172914	46173111	Chr14.37157	<i>Dahd1</i> (-515065), <i>Gm15217</i> (-206304)	N/A
Chr14		46174565	46174728	Chr14.37166	<i>Dahd1</i> (-516549), <i>Gm15217</i> (-204820)	N/A
Chr14		46175733	46175834	Chr14.37178	<i>Dahd1</i> (-517686), <i>Gm15217</i> (-203683)	N/A
Chr14		46196183	46196389	Chr14.37201	<i>Dahd1</i> (-538188), <i>Gm15217</i> (-183181)	N/A
Chr14		46240116	46240353	Chr14.37228	<i>Dahd1</i> (-582137), <i>Gm15217</i> (-139232)	N/A
Chr14		46240454	46241066	Chr14.37231	<i>Dahd1</i> (-682662), <i>Gm15217</i> (-138707)	N/A
Chr14		46247665	46248554	Chr14.37248	<i>Dahd1</i> (-590012), <i>Gm15217</i> (-131357)	N/A
Chr14		46306094	46306243	Chr14.37295	<i>Dahd1</i> (-648071), <i>Gm15217</i> (-73298)	N/A
Chr14		46331477	46331600	Chr14.37329	<i>Dahd1</i> (-673441), <i>Gm15217</i> (-47928)	N/A
Chr14		46381127	46381297	Chr14.37393	<i>Gm15217</i> (-1745), <i>Bmp4</i> (+9457)	N/A
Chr14		46381420	46381545	Chr14.37395	<i>Gm15217</i> (-17016), <i>Bmp4</i> (+9186)	N/A
Chr14		46381580	46381769	Chr14.37397	<i>Gm15217</i> (-2208), <i>Bmp4</i> (+8994)	N/A
Chr14		46384955	46385105	Chr14.37412	<i>Gm15217</i> (+5563), <i>Bmp4</i> (+5639)	N/A
Chr14		46385155	46385416	Chr14.37416	<i>Bmp4</i> (+5383), <i>Gm15217</i> (+5819)	N/A
Chr14		46386280	46386460	Chr14.37424	<i>Bmp4</i> (+4299), <i>Gm15217</i> (+6903)	N/A
Chr14		46387140	46387290	Chr14.37427	<i>Bmp4</i> (+3454), <i>Gm15217</i> (+7748)	N/A
Chr14		46390297	46390439	Chr14.37433	<i>Bmp4</i> (+301)	N/A
Chr14		46390828	46391117	Chr14.37437	<i>Bmp4</i> (-304)	N/A
Chr14		46436647	46436932	Chr14.37483	<i>Cdkn3</i> (-323751), <i>Bmp4</i> (-46121)	N/A
Chr14		46535655	46535908	Chr14.37582	<i>Cdkn3</i> (-224759), <i>Bmp4</i> (-145113)	N/A
Chr14		46567540	46567660	Chr14.37636	<i>Cdkn3</i> (-192941), <i>Bmp4</i> (-176931)	N/A
Chr14		46567892	46567824	Chr14.37638	<i>Cdkn3</i> (-192783), <i>Bmp4</i> (-177089)	N/A
Chr14		46571118	46571221	Chr14.37655	<i>Cdkn3</i> (-186371), <i>Bmp4</i> (-180501)	N/A
Chr14		46573603	46573942	Chr14.37664	<i>Cdkn3</i> (-186768), <i>Bmp4</i> (-183104)	N/A
Chr14		46575299	46575589	Chr14.37674	<i>Cdkn3</i> (-185097), <i>Bmp4</i> (-184775)	N/A
Chr14		46575985	46576248	Chr14.37678	<i>Bmp4</i> (-185448), <i>Cdkn3</i> (-184424)	N/A
Chr14		46591869	46592141	Chr14.37706	<i>Bmp4</i> (-201336), <i>Cdkn3</i> (-168536)	N/A
Chr14		46604218	46604373	Chr14.37720	<i>Bmp4</i> (-213677), <i>Cdkn3</i> (-155645)	N/A
Chr14		46604520	46604736	Chr14.37724	<i>Bmp4</i> (-213599), <i>Cdkn3</i> (-155913)	N/A
Chr14		46605182	46605587	Chr14.37725	<i>Bmp4</i> (-214716), <i>Cdkn3</i> (-155156)	N/A
Chr14		46634814	46635002	Chr14.37773	<i>Bmp4</i> (-244239), <i>Cdkn3</i> (-125633)	N/A
Chr14		46656343	46656639	Chr14.37803	<i>Bmp4</i> (-265772), <i>Cdkn3</i> (-104100)	N/A
Chr14		46659320	46659578	Chr14.37808	<i>Bmp4</i> (-268780), <i>Cdkn3</i> (-101092)	N/A
Chr14		46661863	46662128	Chr14.37812	<i>Bmp4</i> (-271327), <i>Cdkn3</i> (-98545)	N/A
Chr14		46662196	46662365	Chr14.37815	<i>Bmp4</i> (-271612), <i>Cdkn3</i> (-98260)	N/A
Chr14		46662421	46662625	Chr14.37817	<i>Bmp4</i> (-271854), <i>Cdkn3</i> (-98018)	N/A
Chr14		46679916	46680134	Chr14.37840	<i>Bmp4</i> (-289356), <i>Cdkn3</i> (-80516)	N/A
Chr14		46682938	46683099	Chr14.37843	<i>Bmp4</i> (-292350), <i>Cdkn3</i> (-77522)	N/A
Chr14		46704422	46704620	Chr14.37871	<i>Bmp4</i> (+31852), <i>Cdkn3</i> (-86029)	N/A
Chr14		46734297	46734611	Chr14.37907	<i>Bmp4</i> (-343785), <i>Cdkn3</i> (-26087)	N/A
Chr14		46882872	46882976	Chr14.38079	<i>Samd4</i> (+70)	N/A
Chr14		46883697	46883829	Chr14.38082	<i>Samd4</i> (+909)	N/A
Chr14		46884024	46884206	Chr14.38083	<i>Samd4</i> (+1261), <i>Gch1</i> (+305298)	N/A
Chr14		46884366	46884495	Chr14.38085	<i>Samd4</i> (+1577), <i>Gch1</i> (+304692)	N/A
Chr14		46885212	46885379	Chr14.38090	<i>Samd4</i> (+2442), <i>Gch1</i> (+304117)	N/A
Chr14		46885866	46886024	Chr14.38094	<i>Samd4</i> (+3091), <i>Gch1</i> (+303468)	N/A
Chr14		46941511	46941767	Chr14.38174	<i>Samd4</i> (+58785), <i>Gch1</i> (+247774)	N/A
Chr14		46941922	46942062	Chr14.38178	<i>Samd4</i> (+59138), <i>Gch1</i> (+247421)	N/A
Chr14		46951003	46951197	Chr14.38179	<i>Samd4</i> (+68246), <i>Gch1</i> (+238313)	N/A
Chr14		46955869	46956026	Chr14.38190	<i>Samd4</i> (+73094), <i>Gch1</i> (+233465)	N/A
Chr14		46959398	46959609	Chr14.38197	<i>Samd4</i> (+76645), <i>Gch1</i> (+229914)	N/A
Chr14		46966303	46966656	Chr14.38209	<i>Samd4</i> (	

Chr14	47065029	47065198	Chr14.38379	Gch1(+124299), Samd4(+182260)	N/A
Chr14	47065282	47065395	Chr14.38382	Gch1(+124074), Samd4(+182485)	N/A
Chr14	47066213	47066350	Chr14.38416	Gch1(+103131), Samd4(+203428)	N/A
Chr14	47033545	47033650	Chr14.38433	Gch1(+96655), Samd4(+210594)	N/A
Chr14	47105577	47105833	Chr14.38471	Gch1(+83708), Samd4(+222851)	N/A
Chr14	47294278	47294508	Chr14.38665	Mapk1ip1(-14172), Socs4(+17462)	N/A
Chr14	47294611	47294839	Chr14.38668	Mapk1ip1(-13840), Socs4(+17794)	N/A
Chr14	47472477	47472593	Chr14.38775	Fbxo34(-26)	N/A
Chr14	47480344	47480592	Chr14.38782	Fbxo34(+16807), Atg14(+79966)	N/A
Chr14	47541896	47542004	Chr14.38838	Atg14(+26494), Fbxo34(+69389)	N/A
Chr14	47634463	47634639	Chr14.38888	Atg14(-66117), Kln1(-29205)	N/A
Chr14	47839717	47839818	Chr14.39053	Pel12(-281101), Kln1(+176012)	N/A
Chr14	47863167	47863296	Chr14.39069	Pel12(-257637), Kln1(+199476)	N/A
Chr14	47897195	47897304	Chr14.39111	Pel12(-223619), Kln1(+233494)	N/A
Chr14	47910802	47911023	Chr14.39123	Pel12(-209956), Kln1(+247157)	N/A
Chr14	47987046	47987222	Chr14.39182	Pel12(-133735), Kln1(+323378)	N/A
Chr14	47987562	47987816	Chr14.39191	Pel12(-133180), Kln1(+323933)	N/A
Chr14	47989422	47989629	Chr14.39199	Pel12(-131343), Kln1(+325770)	N/A
Chr14	48052535	48052813	Chr14.39251	Pel12(-68195), Kln1(+388918)	N/A
Chr14	48074052	48074218	Chr14.39267	Pel12(-46734), Kln1(+410379)	N/A
Chr14	48084416	48084638	Chr14.39277	Pel12(-36343), Kln1(+420770)	N/A
Chr14	48119175	48119330	Chr14.39332	Pel12(-1616)	N/A
Chr14	48121749	48121859	Chr14.39339	Pel12(+935)	N/A
Chr14	48122414	48122606	Chr14.39342	Tmem260(-323872), Pel12(+1641)	N/A
Chr14	48294460	48294633	Chr14.39524	Tmem260(-151835), Pel12(+173678)	N/A
Chr14	48295780	48295973	Chr14.39529	Tmem260(-150509), Pel12(+175006)	N/A
Chr14	48303379	48303503	Chr14.39536	Tmem260(-142941), Pel12(+182572)	N/A
Chr14	48331356	48331523	Chr14.39566	Tmem260(-114942), Pel12(+210571)	N/A
Chr14	48376034	48376301	Chr14.39597	Tmem260(-70214), Pel12(+255299)	N/A
Chr14	48429774	48429964	Chr14.39659	Tmem260(-16513), Pel12(+309000)	N/A
Chr14	48456533	48457034	Chr14.39720	Tmem260(-103032), Otx2(+208562)	N/A
Chr14	48511469	48511721	Chr14.39789	Tmem260(-65213), Otx2(+153651)	N/A
Chr14	48539265	48539427	Chr14.39842	Tmem260(+92964), Otx2(+125900)	N/A
Chr14	48606944	48607045	Chr14.39930	Otx2(+58251), Tmem260(+160613)	N/A
Chr14	48617064	48617257	Chr14.39968	Otx2(+48085), Tmem260(+170779)	N/A
Chr14	48662960	48663334	Chr14.40054	Otx2(+2099), Tmem260(+216765)	N/A
Chr14	48663550	48663818	Chr14.40059	Otx2(+1512), Tmem260(+217352)	N/A
Chr14	48665210	48665429	Chr14.40066	Otx2(-74)	N/A
Chr14	48668773	48668968	Chr14.40074	Otx2(-3625)	N/A
Chr14	48668869	48670154	Chr14.40080	Otx2(-4766)	N/A
Chr14	48670273	48670377	Chr14.40082	Ap5m1(-396170), Otx2(-5079)	N/A
Chr14	48673389	48673629	Chr14.40104	Ap5m1(-392989), Otx2(-8263)	N/A
Chr14	48738318	48738583	Chr14.40182	Ap5m1(-330044), Otx2(-71209)	N/A
Chr14	48737245	48737374	Chr14.40185	Ap5m1(-329185), Otx2(-72064)	N/A
Chr14	48737681	48737870	Chr14.40189	Ap5m1(-328719), Otx2(-72530)	N/A
Chr14	48751291	48751410	Chr14.40218	Ap5m1(-315144), Otx2(-86105)	N/A
Chr14	48753516	48753710	Chr14.40231	Ap5m1(-312882), Otx2(-88367)	N/A
Chr14	48870245	48870522	Chr14.40408	Otx2(-205138), Ap5m1(-196111)	N/A
Chr14	48900404	48900516	Chr14.40598	Otx2(-325214), Ap5m1(-76035)	N/A
Chr14	48900626	48900965	Chr14.40601	Otx2(-325550), Ap5m1(-75699)	N/A
Chr14	48991059	48991192	Chr14.40602	Otx2(-325880), Ap5m1(-75369)	N/A
Chr14	49127577	49127687	Chr14.40776	Exoc5(-60979), Naa30(-44966)	N/A
Chr14	49173645	49174022	Chr14.40815	Naa30(+1236), ccdc198(+71594)	N/A
Chr14	49316542	49316687	Chr14.40989	Slc35a4(-2406)	N/A
Chr14	51124997	51125225	Chr14.4165	Fhl1(+36921)	N/A
Chr14	50807451	50807565	Chr14.41927	Parp2(-438)	N/A
Chr14	50807597	50807768	Chr14.41931	Parp2(-263)	N/A
Chr14	50927200	50927311	Chr14.42279	Osgpe1(-2363), Apex1(+2288)	N/A
Chr14	51863490	51863613	Chr14.42530	Slc39a2(-58)	N/A
Chr14	51905280	51905383	Chr14.42564	Ndrg2(+8156), Slc39a2(+11722)	N/A
Chr14	51912409	51912551	Chr14.42609	Ndrg2(+1008), Slc39a2(+18870)	N/A
Chr14	51914557	51914699	Chr14.42613	Tppp2(-3797), Ndrg2(-1140)	N/A
Chr14	51915204	51915327	Chr14.42617	Tppp2(-3159), Ndrg2(-1778)	N/A
Chr14	51921917	51922040	Chr14.42643	Rhase13(+794)	N/A
Chr14	51929800	51929909	Chr14.42668	Arlgef40(-54983), Rhase13(-7082)	N/A
Chr14	51941338	51941543	Chr14.42680	Arlgef40(-43397), Rhase13(-18668)	N/A
Chr14	51985357	51985512	Chr14.42690	Arlgef40(+597)	N/A
Chr14	51986246	51986347	Chr14.42695	Tmem253(-30568), Arlgef40(+1459)	N/A
Chr14	52004079	52004753	Chr14.42775	Tmem253(-12449), Arlgef40(+19578)	N/A
Chr14	52006430	52006577	Chr14.42787	Tmem253(-10364), Arlgef40(-21663)	N/A
Chr14	52009961	52010107	Chr14.42817	Tmem253(-6831), Arlgef40(+25196)	N/A
Chr14	52010470	52011016	Chr14.42818	Tmem253(-6122), Arlgef40(+25905)	N/A
Chr14	52011825	52011975	Chr14.42825	Tmem253(-4965)	N/A
Chr14	52012071	52012369	Chr14.42827	Tmem253(-4645)	N/A
Chr14	52012833	52012968	Chr14.42830	Tmem253(-3964)	N/A
Chr14	52013868	52014036	Chr14.42835	Tmem253(-2913)	N/A
Chr14	52014990	52015263	Chr14.42837	Tmem253(-1738)	N/A
Chr14	52103973	52104105	Chr14.42913	Hnmpc(-11)	N/A
Chr14	52104135	52104341	Chr14.42918	Hnmpc(-210)	N/A
Chr14	7937094	79371199	Chr14.430	Dnase1l3(+57426), Finb(+119190)	N/A
Chr14	52197020	52197287	Chr14.43057	Sup1b(-485)	N/A
Chr14	52198124	52198439	Chr14.43059	Sup1b(-1043)	N/A
Chr14	52243756	52243974	Chr14.43168	Tox4(-35281), Chd8(-5293)	N/A
Chr14	52244013	52244166	Chr14.43174	Tox4(-35056), Chd8(-6518)	N/A
Chr14	52244196	52244298	Chr14.43176	Tox4(-34899), Chd8(-6675)	N/A
Chr14	52244332	52244733	Chr14.43178	Tox4(-34613), Chd8(-6861)	N/A
Chr14	52257111	52257950	Chr14.43195	Tox4(-21315), Chd8(-20259)	N/A
Chr14	52279531	52279655	Chr14.43228	Rab2b(-48), Tox4(-447)	N/A
Chr14	52319457	52320051	Chr14.43341	Mettl3(-14626), Sall2(+9008)	N/A
Chr14	52323815	52324049	Chr14.43346	Mettl3(-18804), Sall2(+4830)	N/A
Chr14	52326067	52326253	Chr14.43350	Mettl3(-21032), Sall2(+2602)	N/A
Chr14	52327511	52327866	Chr14.43353	Mettl3(-22961), Sall2(+1073)	N/A
Chr14	52328151	52328303	Chr14.43355	Sall2(-435)	N/A
Chr14	52328380	52328534	Chr14.43358	Sall2(+305)	N/A
Chr14	52331081	52331395	Chr14.43360	Sall2(-2476)	N/A
Chr14	52331474	52331610	Chr14.43363	Sall2(-2780)	N/A
Chr14	54060035	54060234	Chr14.43770	Dad1(+193779), Trav9n-1(+958442)	N/A
Chr14	54061454	54061732	Chr14.43776	Dad1(+193231), Trav9n-1(+959909)	N/A
Chr14	54072576	54072904	Chr14.43808	Dad1(+181174), Trav9n-1(+971047)	N/A
Chr14	54097180	54097335	Chr14.43845	Dad1(+156656), Trav9n-1(+995555)	N/A
Chr14	54111208	54111429	Chr14.43855	Dad1(+142595)	N/A
Chr14	54165288	54165396	Chr14.43988	Dad1(+88572)	N/A
Chr14	54165990	54166142	Chr14.43992	Dad1(+87848)	N/A
Chr14	54186072	54186217	Chr14.44107	Dad1(+67759)	N/A
Chr14	54189591	54189747	Chr14.44125	Dad1(+64245)	N/A
Chr14	54189839	54189947	Chr14.44129	Dad1(+64021)	N/A
Chr14	54191633	54191833	Chr14.44140	Dad1(+62181)	N/A
Chr14	54192062	54192304	Chr14.44148	Dad1(+61731)	N/A
Chr14	54197780	54198052	Chr14.44176	Dad1(+56008)	N/A
Chr14	54216510	54219701	Chr14.44269	Dad1(+34308)	N/A
Chr14	54227469	54227652	Chr14.44292	Dad1(+26353)	N/A
Chr14	54233337	54233598	Chr14.44298	Dad1(+20446)	N/A
Chr14	54259193	54259444	Chr14.44333	Abhd4(+87)	N/A
Chr14	54268988	54269158	Chr14.44384	Abhd4(+9841), Olf49(+13852)	N/A
Chr14	54379522	54379632	Chr14.44498	Oxal1(+18736), Slc7a7(+29895)	N/A
Chr14	54410290	54410428	Chr14.44525	Slc7a7(-887)	N/A
Chr14	54413481	54413621	Chr14.44532	Slc7a7(-4079)	N/A
Chr14	54413967	54414103	Chr14.44538	Slc7a7(-4563)	N/A
Chr14	54430693	54430838	Chr14.44557	Mmp14(-838)	N/A
Chr14	54431532	54431663	Chr14.44561	Mmp14(-6)	N/A
Chr14	54433209	54433340	Chr14.44568	Lrp10(-50889), Mmp14(+1671)	N/A
Chr14	54433590	54433715	Chr14.44571	Lrp10(-30511), Mmp14(+2049)	N/A
Chr14	54434340	54434463	Chr14.44578	Lrp10(-29762), Mmp14(+2798)	N/A
Chr14	54442324	54442450	Chr14.44649	Lrp10(-21777), Mmp14(+10783)	N/A
Chr14	54443177	54443382	Chr14.44652	Lrp10(-20894), Mmp14(+11668)	N/A
Chr14	54443444	54443568	Chr14.44656	Lrp10(-20658), Mmp14(+11902)	N/A
Chr14	54443696	54443942	Chr14.44659	Lrp10(-20345), Mmp14(+12215)	N/A
Chr14	54444185	54444327	Chr14.44661	Lrp10(-19908), Mmp14(+12652)	N/A
Chr14	54445593	54445732	Chr14.44665	Lrp10(-18501), Mmp14(+14059)	N/A
Chr14	54476659	54476830	Chr14.44741	Rem2(+645)	N/A
Chr14	54480836	54480968	Chr14.44776	Rem2(+4802), Ptm5(+36623)	N/A
Chr14	54521320	54521487	Chr14.44844	Ptm5(-3879)	N/A
Chr14	54553466	54553598	Chr14.44864	Haus4(+829)	N/A
Chr14	54553674	54553814	Chr14.44867	Haus4(+617)	N/A
Chr14	54553970	54554209	Chr14.44889	Haus4(+271)	N/A
Chr14	54572930	54573047	Chr14.44904	Haus4(-18628), Ajuba(+4672)	N/A
Chr14	54574314	54574558	Chr14.44907	Haus4(-20075), Ajuba(-3225)	N/A
Chr14	54603508	54603614	Chr14.44979	Ajuba(-25900), K31141p19ink(+2347)	N/A

Chr14		54604699	54604931	Chr14.44983	<i>Ajuba(-27154), 4931414p19rik(+1093)</i>	N/A
Chr14		54605105	54605228	Chr14.44986	<i>4931414p19rik(+741)</i>	N/A
Chr14		54605315	54605518	Chr14.44988	<i>4931414p19rik(+991)</i>	N/A
Chr14		54605757	54605983	Chr14.44991	<i>4931414p19rik(+33)</i>	N/A
Chr14		54607361	54607471	Chr14.44993	<i>4931414p19rik(-1508)</i>	N/A
Chr14		54609146	54609395	Chr14.44997	<i>4931414p19rik(-3363)</i>	N/A
Chr14		7943858	7943957	Chr14.450	<i>Dnase13(+50665), Flnb(+125951)</i>	N/A
Chr14		54609463	54609588	Chr14.45001	<i>4931414p19rik(-3618)</i>	N/A
Chr14		54611093	54611093	Chr14.45006	<i>4931414p19rik(-5125), Pamb5(+6962)</i>	N/A
Chr14		54631345	54631547	Chr14.45079	<i>Pame11(+6136), Cdh24(+9918)</i>	N/A
Chr14		54641087	54641225	Chr14.45177	<i>Cdh24(+208)</i>	N/A
Chr14		54642137	54642425	Chr14.45182	<i>Cdh24(-917)</i>	N/A
Chr14		54649098	54649281	Chr14.45216	<i>1700123620rik(-36981), Cdh24(-7826)</i>	N/A
Chr14		54649489	54650330	Chr14.45219	<i>1700123620rik(-36261), Cdh24(-8546)</i>	N/A
Chr14		54651134	54651134	Chr14.45224	<i>1700123620rik(-34696), Cdh24(-9911)</i>	N/A
Chr14		54652460	54652580	Chr14.45236	<i>1700123620rik(-33651), Cdh24(-11156)</i>	N/A
Chr14		54652750	54652966	Chr14.45241	<i>1700123620rik(-33313), Cdh24(-11494)</i>	N/A
Chr14		54653027	54653314	Chr14.45245	<i>1700123620rik(-33000), Cdh24(-11807)</i>	N/A
Chr14		54653479	54653699	Chr14.45248	<i>1700123620rik(-32582), Cdh24(-12225)</i>	N/A
Chr14		11435230	11435429	Chr14.4525	<i>Ptprg(-118203), Gm3839(-78604)</i>	N/A
Chr14		7944626	7944775	Chr14.453	<i>Dnase13(+49872), Flnb(+126744)</i>	N/A
Chr14		54706647	54706841	Chr14.45363	<i>Acin1(-19813), Cebpe(+5430)</i>	N/A
Chr14		54712075	54712228	Chr14.45389	<i>Cebpe(+22)</i>	N/A
Chr14		54713018	54713175	Chr14.45397	<i>Cebpe(-923)</i>	N/A
Chr14		54732114	54732310	Chr14.45425	<i>Cebpe(-20038), Slc7a8(+49674)</i>	N/A
Chr14		11473741	11473887	Chr14.4543	<i>Gm3839(-117088), Ptprg(-79718)</i>	N/A
Chr14		54737085	54737184	Chr14.45444	<i>Cebpe(-24961), Slc7a8(+44751)</i>	N/A
Chr14		54756549	54756687	Chr14.45471	<i>Cebpe(-44444), Slc7a8(+25268)</i>	N/A
Chr14		54781752	54781852	Chr14.45516	<i>Slc7a8(+84)</i>	N/A
Chr14		54782177	54782282	Chr14.45524	<i>Slc7a8(-344)</i>	N/A
Chr14		54786625	54786805	Chr14.45531	<i>Slc7a8(-4629)</i>	N/A
Chr14		54833865	5483474	Chr14.45599	<i>Homez(-2930)</i>	N/A
Chr14		54863515	54863687	Chr14.45601	<i>Homez(-3111)</i>	N/A
Chr14		54863716	54863840	Chr14.45604	<i>Homez(-3288)</i>	N/A
Chr14		54873906	54874057	Chr14.45618	<i>Homez(-13492), Psp1r3e(+3568)</i>	N/A
Chr14		54883452	54883753	Chr14.45636	<i>Gm2052(+1160), Bc202(+226)</i>	N/A
Chr14		54883793	54883992	Chr14.45639	<i>Gm2052(+1397), Bc202(+461)</i>	N/A
Chr14		54885888	54886093	Chr14.45659	<i>Pabpn1(-8157), Gm2052(+2550)</i>	N/A
Chr14		54886485	54886774	Chr14.45670	<i>Pabpn1(-7518), Gm2052(+3189)</i>	N/A
Chr14		54893710	54893841	Chr14.45682	<i>Pabpn1(-372)</i>	N/A
Chr14		54893889	54894151	Chr14.45686	<i>Pabpn1(-128)</i>	N/A
Chr14		54895123	54895263	Chr14.45698	<i>Pabpn1(+1045), Slc22a17(+17939)</i>	N/A
Chr14		54897917	54898030	Chr14.45712	<i>Pabpn1(+3626), Slc22a17(+15168)</i>	N/A
Chr14		54898185	54898395	Chr14.45716	<i>Pabpn1(+4142), Slc22a17(+14842)</i>	N/A
Chr14		54912042	54912175	Chr14.45747	<i>Slc22a17(+1023), Pabpn1(+17961)</i>	N/A
Chr14		54912237	54912349	Chr14.45749	<i>Slc22a17(+839)</i>	N/A
Chr14		54912515	54912637	Chr14.45753	<i>Slc22a17(+558)</i>	N/A
Chr14		54912859	54913004	Chr14.45755	<i>Slc22a17(+200)</i>	N/A
Chr14		54913117	54913281	Chr14.45757	<i>Slc22a17(-67)</i>	N/A
Chr14		54924821	54924972	Chr14.45814	<i>Slc22a17(-11765), Efs(+1891)</i>	N/A
Chr14		54925426	54925533	Chr14.45817	<i>Slc22a17(-12348), Efs(+1308)</i>	N/A
Chr14		54925565	54925720	Chr14.45819	<i>Slc22a17(-12511), Efs(+1145)</i>	N/A
Chr14		54930037	54930180	Chr14.45827	<i>Efs(-3321), Ifs(-2586)</i>	N/A
Chr14		54936019	54936167	Chr14.45845	<i>Ctnn5(-377)</i>	N/A
Chr14		11531976	11532118	Chr14.4588	<i>Gm3839(-173321), Ptprg(-21485)</i>	N/A
Chr14		7842792	7842937	Chr14.46	<i>Flnb(+24908), Dnase1f3(+151708)</i>	N/A
Chr14		54966625	54966947	Chr14.46051	<i>Myn6(-179)</i>	N/A
Chr14		11552027	11552306	Chr14.4606	<i>Ptprg(-1365)</i>	N/A
Chr14		11552468	11552708	Chr14.4612	<i>Ptprg(-530)</i>	N/A
Chr14		11553702	11553802	Chr14.4625	<i>Ptprg(+220)</i>	N/A
Chr14		54994454	54994602	Chr14.46253	<i>Myn7(+98)</i>	N/A
Chr14		54994720	54994851	Chr14.46256	<i>Myn7(-160)</i>	N/A
Chr14		55004079	55004183	Chr14.46270	<i>Ngdn(-11323), Myn7(-9505)</i>	N/A
Chr14		55004653	55004892	Chr14.46273	<i>Ngdn(-10681), Myn7(-10147)</i>	N/A
Chr14		55027701	55028050	Chr14.46313	<i>Ngdn(+12422), Zfx2(+64449)</i>	N/A
Chr14		55028337	55028626	Chr14.46318	<i>Ngdn(+13028), Zfx2(+63842)</i>	N/A
Chr14		55028718	55028878	Chr14.46320	<i>Ngdn(+13344), Zfx2(+63526)</i>	N/A
Chr14		55052609	55052829	Chr14.46342	<i>Ngdn(+37265), Zfx2(+39605)</i>	N/A
Chr14		55060335	55060483	Chr14.46375	<i>Zfx2(+31925), Ngdn(+44945)</i>	N/A
Chr14		55061880	55062030	Chr14.46381	<i>Zfx2(-30359), Ngdn(+46501)</i>	N/A
Chr14		55071133	55071292	Chr14.46488	<i>Zfx2(+21111), Ngdn(+55750)</i>	N/A
Chr14		55078069	55078204	Chr14.46527	<i>Zfx2(+14187), Ngdn(+62883)</i>	N/A
Chr14		55078649	55078891	Chr14.46530	<i>Zfx2(+13554), Ngdn(+63316)</i>	N/A
Chr14		55085425	55085587	Chr14.46534	<i>Zfx2(+6818), Ngdn(+70052)</i>	N/A
Chr14		55089350	55089510	Chr14.46542	<i>Zfx2(+2894), Ngdn(+73978)</i>	N/A
Chr14		55091092	55091248	Chr14.46551	<i>Thpa(-3665), Zfx2(+1154)</i>	N/A
Chr14		55092375	55092484	Chr14.46559	<i>Thpa(-2405), Zfx2(-106)</i>	N/A
Chr14		55097652	55097912	Chr14.46589	<i>Thpa(+2947), Ap1g2(+8811)</i>	N/A
Chr14		11577766	11577977	Chr14.4662	<i>3830406c13rik(-706337), Ptprg(+24340)</i>	N/A
Chr14		11578799	11578974	Chr14.4664	<i>3830406c13rik(-705322), Ptprg(+25355)</i>	N/A
Chr14		55108444	55108981	Chr14.46664	<i>Ap1g2(-2220)</i>	N/A
Chr14		55115950	55116113	Chr14.46700	<i>Jph4(+603)</i>	N/A
Chr14		55116358	55116472	Chr14.46703	<i>Jph4(+520)</i>	N/A
Chr14		55116956	55117058	Chr14.46705	<i>Jph4(-72)</i>	N/A
Chr14		55189519	55189666	Chr14.46730	<i>Jph4(-72658), Dhrr2(-32414)</i>	N/A
Chr14		55384379	55384537	Chr14.46789	<i>Dhrr4(-94300), Dhrr2(+162451)</i>	N/A
Chr14		55510417	55510520	Chr14.46983	<i>Cpne6(+21)</i>	N/A
Chr14		55510553	55510715	Chr14.46985	<i>Cpne6(-186)</i>	N/A
Chr14		55511582	55511685	Chr14.46995	<i>Cpne6(+1186), Nrl(+12557)</i>	N/A
Chr14		55560466	55560781	Chr14.47169	<i>Dcafl1(-305), A730061h03rik(-218)</i>	N/A
Chr14		55560862	55561002	Chr14.47179	<i>A730061h03rik(-526), Dcafl1(+3)</i>	N/A
Chr14		55569351	55569492	Chr14.47220	<i>Ftntl(-6195), Dcafl1(+8493)</i>	N/A
Chr14		55575455	55575694	Chr14.47229	<i>Pame1(-2785), Ftntl(+42)</i>	N/A
Chr14		11621078	11621228	Chr14.4729	<i>3830406c13rik(-663056), Ptprg(+67621)</i>	N/A
Chr14		11632829	11632987	Chr14.4738	<i>3830406c13rik(-651301), Ptprg(+79376)</i>	N/A
Chr14		55652156	55652396	Chr14.47640	<i>Tssk4(+2092), Mdp1(+8232)</i>	N/A
Chr14		55655675	55655806	Chr14.47650	<i>Mdp1(+4767), Tssk4(+5557)</i>	N/A
Chr14		55761309	55761412	Chr14.48013	<i>Lb4(-14607), Cdnb(-2903), Lb4(-2(-67)</i>	N/A
Chr14		11682407	11682520	Chr14.4819	<i>3830406c13rik(-601745), Ptprg(+128932)</i>	N/A
Chr14		11683188	11683325	Chr14.4822	<i>3830406c13rik(-600952), Ptprg(+129725)</i>	N/A
Chr14		55822907	55823082	Chr14.48239	<i>Nfatc4(-1800)</i>	N/A
Chr14		11683840	11684050	Chr14.4824	<i>3830406c13rik(-600264), Ptprg(+130413)</i>	N/A
Chr14		55823349	55823541	Chr14.48241	<i>Nfatc4(-1350)</i>	N/A
Chr14		55825789	55825911	Chr14.48254	<i>Nymn(-28265), Nfatc4(+1055)</i>	N/A
Chr14		55829009	55829192	Chr14.48288	<i>Nymn(-25014), Nfatc4(+4306)</i>	N/A
Chr14		11704993	11705095	Chr14.4844	<i>3830406c13rik(-579165), Ptprg(+151512)</i>	N/A
Chr14		56887940	56888195	Chr14.49161	<i>Zmym2(+273)</i>	N/A
Chr14		57162095	57162305	Chr14.49369	<i>Gjb6(-28589), Cry1(+236283)</i>	N/A
Chr14		57315542	57315604	Chr14.49410	<i>Gjb6(-182172), Cry1(+62760)</i>	N/A
Chr14		57152938	11753064	Chr14.4947	<i>3830406c13rik(-531208), Ptprg(+199469)</i>	N/A
Chr14		57537457	57537595	Chr14.49493	<i>Il17d(+12697), Eeflakmt1(+34043)</i>	N/A
Chr14		57607101	57607209	Chr14.49608	<i>Eeflakmt1(-35586), Xpo4(-58275)</i>	N/A
Chr14		57635642	57635852	Chr14.49648	<i>Eeflakmt1(-64178), Xpo4(+29683)</i>	N/A
Chr14		57646571	57647277	Chr14.49662	<i>Eeflakmt1(-75080), Xpo4(+18781)</i>	N/A
Chr14		57707095	57707214	Chr14.49786	<i>Xpo4(-41725), Lata2(-38968)</i>	N/A
Chr14		57732890	57733088	Chr14.49791	<i>Xpo4(-47519), Lata2(+13174)</i>	N/A
Chr14		57734303	57734428	Chr14.49807	<i>Xpo4(-68936), Lata2(+11757)</i>	N/A
Chr14		57752030	57752193	Chr14.49817	<i>Sap18(-46068), Lata2(-5989)</i>	N/A
Chr14		57759764	57759891	Chr14.49819	<i>Sap18(-38352), Lata2(-13705)</i>	N/A
Chr14		57760531	57760678	Chr14.49821	<i>Sap18(-37575), Lata2(-14482)</i>	N/A
Chr14		57878968	57879883	Chr14.49862	<i>Zfxh2(-68464), Mlcu2(+20536)</i>	N/A
Chr14		58002347	58002546	Chr14.50002	<i>Mlcu2(-3185)</i>	N/A
Chr14		58036330	58036487	Chr14.50029	<i>Mlcu2(-37147), Fgf9(-36277)</i>	N/A
Chr14		58070128	58070237	Chr14.50037	<i>Fgf9(-2603)</i>	N/A
Chr14		58072150	58072334	Chr14.50042	<i>Fgf9(-444)</i>	N/A
Chr14		58072545	58072993	Chr14.50044	<i>Fgf9(+83)</i>	N/A
Chr14		58074119	58074230	Chr14.50053	<i>Rpl13-ps3(-819331), Fgf9(+1489)</i>	N/A
Chr14		58074367	58074510	Chr14.50056	<i>Rpl13-ps3(-819067), Fgf9(+1753)</i>	N/A
Chr14		58224654	58224950	Chr14.50169	<i>Rpl13-ps3(-668704), Fgf9(+152116)</i>	N/A
Chr14		58253486	58253640	Chr14.50180	<i>Rpl13-ps3(-639943), Fgf9(+180877)</i>	N/A
Chr14		11798905	11799172	Chr14.50335	<i>3830406c13rik(-485170), Ptprg(+245507)</i>	N/A
Chr14		58468045	58468243	Chr14.50375	<i>Rpl13-ps3(-425362), Fgf9(+395469)</i>	N/A
Chr14		58471537	58471669	Chr14.50396	<i>Rpl13-ps3(-421903), Fgf9(-398917)</i>	N/A
Chr14		58489640	58489754	Chr14.50418	<i>Rpl13-ps3(-403809), Fgf9(+417011)</i>	N/A
Chr14		58499100	58499267	Chr14.50426	<i>Rpl13-ps3(-394322), Fgf9(+426498)</i>	N/A
Chr14		58499575	58500003	Chr14.50431	<i>Rpl13-ps3(-393717), Fgf9(+427103)</i>	N/A
Chr14		11811254	11811464	Chr14.5049	<i>3830406c13rik(-472680), Ptprg(+257827)</i>	N/A
Chr14		58637933	58638111	Chr14.50504	<i>Rpl13-ps3(-255484), Fgf9(+565336)</i>	N/A

Chr14	5863586	5863688	Chr14.50513	Rpl13-ps3(-254869),Fgf9(+565951)	N/A
Chr14	5865640	5865680	Chr14.50533	Rpl13-ps3(-236846),Fgf9(+583974)	N/A
Chr14	5872287	5872307	Chr14.50555	3830406c13rk(-481112),Ptpng(+269565)	N/A
Chr14	5873304	5873474	Chr14.50554	Rpl13-ps3(-215117),Fgf9(+605703)	N/A
Chr14	5878403	58784612	Chr14.50625	Rpl13-ps3(-108998),Fgf9(+711822)	N/A
Chr14	58788168	58788358	Chr14.50633	Rpl13-ps3(-105243),Fgf9(+715577)	N/A
Chr14	5882160	5882272	Chr14.5066	3830406c13rk(-455993),Ptpng(+274684)	N/A
Chr14	58815868	58816026	Chr14.50663	Rpl13-ps3(-77559),Fgf9(+743261)	N/A
Chr14	58836720	58836823	Chr14.50678	Rpl13-ps3(-56734),Fgf9(+764086)	N/A
Chr14	58859379	58859511	Chr14.50707	Rpl13-ps3(-34051),Fgf9(+786758)	N/A
Chr14	58866429	58866557	Chr14.50721	Rpl13-ps3(-25013),Fgf9(+795807)	N/A
Chr14	58907539	58907731	Chr14.50740	Rpl13-ps3(+14129),1700129c05rk(-235258)	N/A
Chr14	58939227	58939327	Chr14.50757	Rpl13-ps3(+45771),1700129c05rk(+203616)	N/A
Chr14	58987861	58987967	Chr14.50774	Rpl13-ps3(+94408),1700129c05rk(+154979)	N/A
Chr14	59051541	59051802	Chr14.50840	1700129c05rk(+91221),Rpl13-ps3(+158166)	N/A
Chr14	59076517	59076703	Chr14.50855	1700129c05rk(+66283),Rpl13-ps3(+183104)	N/A
Chr14	59104235	59104434	Chr14.50875	1700129c05rk(+38558),Rpl13-ps3(+210829)	N/A
Chr14	59104480	59104593	Chr14.50881	1700129c05rk(+38356),Rpl13-ps3(+211031)	N/A
Chr14	59104799	59104997	Chr14.50889	1700129c05rk(+37995),Rpl13-ps3(+211392)	N/A
Chr14	59478910	59479077	Chr14.51012	Ca339(+37963),Cdc42(+118892)	N/A
Chr14	59514182	59514290	Chr14.51042	Ca339(+73259),Cdc42(+483600)	N/A
Chr14	59639577	59639822	Chr14.51160	Shisa2(+14419),Atp8a2(+447134)	N/A
Chr14	59647471	59647645	Chr14.51178	Shisa2(+22277),Atp8a2(+439276)	N/A
Chr14	5963670	5963818	Chr14.5121	3830406c13rk(-420465),Ptpng(+310212)	N/A
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Chr14	59711589	59711903	Chr14.51268	Shisa2(+86465),Atp8a2(+37588)	N/A
Chr14	59715948	59716059	Chr14.51263	Shisa2(+90723),Atp8a2(+370830)	N/A
Chr14	59716352	59716462	Chr14.51268	Shisa2(+91126),Atp8a2(+370427)	N/A
Chr14	59727309	59727431	Chr14.51281	Shisa2(+102089),Atp8a2(+359464)	N/A
Chr14	59739436	59739645	Chr14.51301	Shisa2(+114260),Atp8a2(+347293)	N/A
Chr14	59750270	59750487	Chr14.51308	Shisa2(+125098),Atp8a2(+339455)	N/A
Chr14	59759278	59759410	Chr14.51315	Shisa2(+134063),Atp8a2(+327499)	N/A
Chr14	59759877	59760130	Chr14.51316	Shisa2(+134723),Atp8a2(+326830)	N/A
Chr14	59760280	59760592	Chr14.51322	Shisa2(+135155),Atp8a2(+326398)	N/A
Chr14	59783305	59783491	Chr14.51354	Shisa2(+158117),Atp8a2(+303436)	N/A
Chr14	59801939	59802424	Chr14.51382	Shisa2(+176907),Atp8a2(+284652)	N/A
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Chr14	59807044	59807293	Chr14.51391	Shisa2(+181888),Atp8a2(+279655)	N/A
Chr14	59858523	59858671	Chr14.51412	Atp8a2(+228237),Shisa2(+233316)	N/A
Chr14	59868326	59868556	Chr14.51436	Atp8a2(+218393),Shisa2(+243160)	N/A
Chr14	59878040	59878189	Chr14.51447	Atp8a2(+208719),Shisa2(+252834)	N/A
Chr14	59883569	59883668	Chr14.51458	Atp8a2(+203215),Shisa2(+258338)	N/A
Chr14	59916314	59916448	Chr14.51486	Atp8a2(+170453),Shisa2(+291100)	N/A
Chr14	59940297	59940536	Chr14.51525	Atp8a2(+146417),Shisa2(+315136)	N/A
Chr14	59959888	59960091	Chr14.51532	Atp8a2(+126844),Shisa2(+334709)	N/A
Chr14	60003991	60004160	Chr14.51564	Atp8a2(+82758),Shisa2(+378795)	N/A
Chr14	60079851	60079967	Chr14.51639	Atp8a2(+6925),Shisa2(+454628)	N/A
Chr14	60183705	60183994	Chr14.5167	3830406c13rk(-400359),Ptpng(+330318)	N/A
Chr14	60369010	60369153	Chr14.51827	Amer2(+9204),Mtmr6(+103877)	N/A
Chr14	60369500	60369656	Chr14.51833	Amer2(+8708),Mtmr6(+104373)	N/A
Chr14	60409986	60410159	Chr14.51915	Spata13(-224656),Amer2(+31787)	N/A
Chr14	60414895	60415026	Chr14.51922	Spata13(-219768),Amer2(+36675)	N/A
Chr14	60506430	60506537	Chr14.51935	Spata13(-128245),Amer2(+128198)	N/A
Chr14	60643318	60643520	Chr14.51952	C1qtnf9(-124715),Spata13(+8690)	N/A
Chr14	60656327	60656484	Chr14.51963	C1qtnf9(-11728),Spata13(+21677)	N/A
Chr14	60687466	60687609	Chr14.51973	C1qtnf9(-80596),Spata13(+52809)	N/A
Chr14	60845261	60845487	Chr14.52236	Mipep(+60808),Tnfrsf19(+201481)	N/A
Chr14	60856622	60856949	Chr14.52245	Mipep(+72220),Tnfrsf19(+190069)	N/A
Chr14	60889411	60889594	Chr14.52253	Mipep(+81537),Tnfrsf19(+180352)	N/A
Chr14	60892599	60892590	Chr14.52277	Mipep(+110759),Tnfrsf19(+151300)	N/A
Chr14	60895420	60895569	Chr14.52281	Mipep(+110929),Tnfrsf19(+151360)	N/A
Chr14	60895719	60895999	Chr14.52284	Mipep(+111293),Tnfrsf19(+150996)	N/A
Chr14	60913090	60913205	Chr14.52306	Mipep(+128582),Tnfrsf19(+133707)	N/A
Chr14	60985121	60985220	Chr14.52344	Tnfrsf19(+61684),Mipep(+200605)	N/A
Chr14	60989400	60989512	Chr14.52346	Tnfrsf19(+57399),Mipep(+204860)	N/A
Chr14	60993502	60993715	Chr14.52347	Tnfrsf19(+53246),Mipep(+209043)	N/A
Chr14	60995173	60995318	Chr14.52351	Tnfrsf19(+51609),Mipep(+210680)	N/A
Chr14	61034151	61034271	Chr14.52390	Tnfrsf19(+12644),Mipep(+249645)	N/A
Chr14	61044036	61044199	Chr14.52398	Tnfrsf19(+2737),Mipep(+259552)	N/A
Chr14	61044443	61044673	Chr14.52400	Tnfrsf19(+2297),Mipep(+259992)	N/A
Chr14	61045340	61045452	Chr14.52406	Tnfrsf19(+1458),Mipep(+260830)	N/A
Chr14	61046110	61046337	Chr14.52410	Tnfrsf19(+631)	N/A
Chr14	61046455	61046658	Chr14.52414	Tnfrsf19(+298)	N/A
Chr14	61433232	61433365	Chr14.52888	Ebp(-72854),Kpna3(+6648)	N/A
Chr14	61438972	61438882	Chr14.52872	Ebp(-78332),Kpna3(+1170)	N/A
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Chr14	7847835	7848051	Chr14.53	Flnb(+29986),Dnae113(+146630)	N/A
Chr14	61685969	61686130	Chr14.53014	Kngp(+78568),Dleu7(+606929)	N/A
Chr14	61708389	61708690	Chr14.53056	Kngp(+101058),Dleu7(+584439)	N/A
Chr14	61713205	61713520	Chr14.53084	Kngp(+105881),Dleu7(+579616)	N/A
Chr14	61736734	61737253	Chr14.53088	Kngp(+129512),Dleu7(+550985)	N/A
Chr14	61757653	61758110	Chr14.53093	Kngp(+150560),Dleu7(+549147)	N/A
Chr14	61768180	61768347	Chr14.53109	Kngp(+160782),Dleu7(+524715)	N/A
Chr14	61770002	61770200	Chr14.53120	Kngp(+162619),Dleu7(+522878)	N/A
Chr14	61809864	61809967	Chr14.53149	Kngp(+202434),Dleu7(+483063)	N/A
Chr14	61830198	61830338	Chr14.53159	Kngp(+222786),Dleu7(+462711)	N/A
Chr14	61857860	61858046	Chr14.53178	Kngp(+250371),Dleu7(+435126)	N/A
Chr14	61880899	61881263	Chr14.53202	Kngp(+273599),Dleu7(+411898)	N/A
Chr14	61904513	61904666	Chr14.53230	Kngp(+297108),Dleu7(+388389)	N/A
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Chr14	61971761	61971972	Chr14.53293	Dleu7(+321112),Kngp(+364385)	N/A
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Chr14	61987126	61987263	Chr14.53313	Dleu7(+305784),Kngp(+379713)	N/A
Chr14	62001788	62001972	Chr14.53322	Dleu7(+291099),Kngp(+394398)	N/A
Chr14	62003167	62003660	Chr14.53326	Dleu7(+289565),Kngp(+395932)	N/A
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Chr14	62030595	62030716	Chr14.53356	Dleu7(+262323),Kngp(+423174)	N/A
Chr14	62052670	62053196	Chr14.53367	Dleu7(+240046),Kngp(+445451)	N/A
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Chr14	62057009	62057411	Chr14.53381	Dleu7(+235769),Kngp(+449728)	N/A
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Chr14	62159246	62159419	Chr14.53467	Dleu7(+133646),Kngp(+551851)	N/A
Chr14	62159895	62160058	Chr14.53469	Dleu7(+133002),Kngp(+552495)	N/A
Chr14	62171367	62171719	Chr14.53481	Dleu7(+121436),Kngp(+564061)	N/A
Chr14	62173939	62174414	Chr14.53488	Dleu7(+118802),Kngp(+566695)	N/A
Chr14	62175622	62175821	Chr14.53495	Dleu7(+117257),Kngp(+568642)	N/A
Chr14	62187479	62187816	Chr14.53510	Dleu7(+105331),Kngp(+580166)	N/A
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Chr14	62356138	62356350	Chr14.53625	Rnaseh2b(+24176),Gucy1b2(+100045)	N/A
Chr14	62389534	62389655	Chr14.53660	Rnaseh2b(+57527),Gucy1b2(+66694)	N/A
Chr14	62398201	62398201	Chr14.53671	Gucy1b2(+58178),Rnaseh2b(+66043)	N/A
Chr14	62416345	62416566	Chr14.53728	Gucy1b2(+39833),Rnaseh2b(+44388)	N/A
Chr14	6244078	62444187	Chr14.53758	Gucy1b2(+12156),Rnaseh2b(+112065)	N/A
Chr14	62444222	62444330	Chr14.53760	Gucy1b2(+12013),Rnaseh2b(+112208)	N/A
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Chr14	62760391	62761358	Chr14.54008	Ints6(-33)	N/A
Chr14	62868317	62868427	Chr14.54036	Vdfr2(+30882),Defb4b(+116138)	N/A
Chr14	62880247	62880413	Chr14.54047	Vdfr2(+42640),Defb4b(+104180)	N/A
Chr14	62900101	62900442	Chr14.54061	Vdfr2(+62582),Defb4b(+84238)	N/A
Chr14	63067787	63067975	Chr14.54113	Ctbs(-54581),Defb4b(+20890)	N/A
Chr14	63177964	63178062	Chr14.54213	Fdrt1(-215)	N/A
Chr14	63215119	63215282	Chr14.54282	Nel2(-21660),Gata4(+30047)	N/A
Chr14	63313780	63313999	Chr14.54383	Gata4(-68642),Bkl(+102397)	N/A
Chr14	63338668	63338848	Chr14.54397	Gata4(-63510),Bkl(+78429)	N/A
Chr14	63343838	63343945	Chr14.54401	Gata4(-98644),Bkl(+73295)	N/A
Chr14	63609928	63606415	Chr14.54679	Xkr6(-331)	N/A
Chr14	63618497	63618643	Chr14.54700	Pmx1(-241742),Xkr6(+12067)	N/A
Chr14	63639218	63639285	Chr14.54732	Pmx1(-167540),Xkr6(+86269)	N/A
Chr14	12082292	12082499	Chr14.5476	3830406c13rk(-201813),Ptpng(+528864)	N/A

Chr14	12085858	12086000	Chr14.5488	3830406c13rik(-198280),Ptpgr(+532397)	N/A
Chr14	63908633	63908880	Chr14.54998	Sox7(-34917),Pinx1(+48445)	N/A
Chr14	63910246	63910371	Chr14.55004	Sox7(-33365),Pinx1(+49997)	N/A
Chr14	63922498	63922648	Chr14.55019	Sox7(-21101),Pinx1(+42251)	N/A
Chr14	63925850	63925962	Chr14.55029	Sox7(-17768),Pinx1(+65594)	N/A
Chr14	64046415	64046523	Chr14.55233	Prss55(+38939),Rpl11(+54038)	N/A
Chr14	64049054	64049170	Chr14.55237	Prss55(+36296),Rpl11(+56681)	N/A
Chr14	64050548	64050656	Chr14.55242	Prss55(+34806),Rpl11(+58171)	N/A
Chr14	64063837	64063943	Chr14.55257	Prss55(+21518),Rpl11(+71459)	N/A
Chr14	64063991	64064125	Chr14.55259	Prss55(+21350),Rpl11(+71627)	N/A
Chr14	64064159	64064364	Chr14.55263	Prss55(+21146),Rpl11(+71831)	N/A
Chr14	64139440	64139574	Chr14.55368	Prss52(+35221),Msra(+316396)	N/A
Chr14	64146363	64146542	Chr14.55377	Prss52(+42167),Msra(+309450)	N/A
Chr14	64146784	64146938	Chr14.55382	Prss52(+42575),Msra(+309042)	N/A
Chr14	64164353	64164493	Chr14.55396	Prss52(+60137),Msra(+291480)	N/A
Chr14	64165815	64165943	Chr14.55399	Prss52(+61593),Msra(+290024)	N/A
Chr14	64173308	64173650	Chr14.55407	Prss52(+69193),Msra(+282424)	N/A
Chr14	64200114	64200320	Chr14.55440	Prss52(+95931),Msra(+255686)	N/A
Chr14	64223460	64223575	Chr14.55484	Prss52(+119232),Msra(+232385)	N/A
Chr14	64233450	64233916	Chr14.55470	Prss52(+129397),Msra(+222220)	N/A
Chr14	64238741	64238963	Chr14.55475	Prss52(+134568),Msra(+217051)	N/A
Chr14	64247549	64247826	Chr14.55489	Prss52(+143402),Msra(+208215)	N/A
Chr14	64256348	64256485	Chr14.55494	Prss52(+152131),Msra(+199486)	N/A
Chr14	64256692	64257089	Chr14.55496	Prss52(+152605),Msra(+199012)	N/A
Chr14	64328081	64328396	Chr14.55561	Msra(+127664),Prss52(+223953)	N/A
Chr14	64345578	64345846	Chr14.55585	Msra(+10191),Prss52(+241426)	N/A
Chr14	64377571	64377726	Chr14.55616	Msra(+78254),Prss52(+273363)	N/A
Chr14	64379004	64379404	Chr14.55620	Msra(+76699),Prss52(+274918)	N/A
Chr14	64392393	64392685	Chr14.55633	Msra(+63364),Prss52(+288253)	N/A
Chr14	64415940	64416045	Chr14.55658	Msra(+39910),Prss52(+311707)	N/A
Chr14	64418067	64419481	Chr14.55674	Msra(+37629),Prss52(+313988)	N/A
Chr14	64574444	64574582	Chr14.55815	Msra(+18610),Klf13b(-78018)	N/A
Chr14	64587932	64588165	Chr14.55853	Msra(-132146),Klf13b(-64482)	N/A
Chr14	64588281	64588473	Chr14.55856	Msra(-132474),Klf13b(-64154)	N/A
Chr14	64588757	64588881	Chr14.55858	Msra(-132916),Klf13b(-63712)	N/A
Chr14	64589684	64589784	Chr14.55866	Msra(-133831),Klf13b(-62797)	N/A
Chr14	64590182	64590384	Chr14.55867	Msra(-134380),Klf13b(-62248)	N/A
Chr14	64593710	64593894	Chr14.55879	Msra(-137899),Klf13b(-58729)	N/A
Chr14	64598013	64598162	Chr14.55889	Msra(-142185),Klf13b(-54443)	N/A
Chr14	64633208	64633328	Chr14.55909	Msra(-177365),Klf13b(-19263)	N/A
Chr14	64653008	64653121	Chr14.55918	Klf13b(+534)	N/A
Chr14	64680659	64680764	Chr14.55935	Klf13b(+26181),Hmbox1(+269135)	N/A
Chr14	64682592	64682794	Chr14.55939	Klf13b(+30162),Hmbox1(+267154)	N/A
Chr14	64731958	64732080	Chr14.55981	Klf13b(+79488),Hmbox1(+217828)	N/A
Chr14	64765395	64765502	Chr14.56067	Klf13b(+112918),Hmbox1(+184398)	N/A
Chr14	64775628	64775886	Chr14.56110	Klf13b(+123226),Hmbox1(+174090)	N/A
Chr14	64796105	64796358	Chr14.56147	Klf13b(+142701),Hmbox1(+154615)	N/A
Chr14	64809448	64809558	Chr14.56198	Hmbox1(+140344),Klf13b(+156972)	N/A
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Chr14	64812009	64812141	Chr14.56208	Hmbox1(+137772),Klf13b(+159544)	N/A
Chr14	64812841	64813022	Chr14.56215	Hmbox1(+136915),Klf13b(+160401)	N/A
Chr14	64819460	64819605	Chr14.56230	Hmbox1(+130314),Klf13b(+167002)	N/A
Chr14	64821028	64821222	Chr14.56234	Hmbox1(+128722),Klf13b(+168594)	N/A
Chr14	64834578	64834833	Chr14.56265	Hmbox1(+115141),Klf13b(+182175)	N/A
Chr14	64845718	64845878	Chr14.56281	Hmbox1(+104049),Klf13b(+193267)	N/A
Chr14	64946778	64946948	Chr14.56351	Ints9(-3182),Hmbox1(+2984)	N/A
Chr14	64948341	64948492	Chr14.56365	Ints9(-1628),Hmbox1(+1430)	N/A
Chr14	64948767	64948890	Chr14.56370	Ints9(-1216),Hmbox1(+1018)	N/A
Chr14	64949522	64949626	Chr14.56376	Ints9(-71),Hmbox1(+273)	N/A
Chr14	64949703	64950149	Chr14.56378	Ints9(-119),Hmbox1(+89)	N/A
Chr14	64964384	64964521	Chr14.56404	Ints9(+14408),Extl3(+133653)	N/A
Chr14	65171987	65172184	Chr14.56637	Extl3(-73980),Fzd3(+90377)	N/A
Chr14	65218970	65219076	Chr14.56666	3830406c13rik(-94286),Ptpgr(+636391)	N/A
Chr14	65200288	65200490	Chr14.56662	Extl3(-102253),Fzd3(+62104)	N/A
Chr14	65269564	65269677	Chr14.56732	Fzd3(+4158),Fbxo16(-80)	N/A
Chr14	65343918	65344021	Chr14.56789	Zfp395(-14706),Fbxo16(+77269)	N/A
Chr14	65345609	65345726	Chr14.56793	Zfp395(-13008),Fbxo16(+78967)	N/A
Chr14	65351490	65351689	Chr14.56797	Zfp395(-7086),Fbxo16(+84889)	N/A
Chr14	65357777	65357950	Chr14.56803	Zfp395(-812)	N/A
Chr14	65360479	65360618	Chr14.56812	Zfp395(-1873),Prnc(-64923)	N/A
Chr14	65381606	65381717	Chr14.56822	Zfp395(-22986),Prnc(+43810)	N/A
Chr14	12200445	12200613	Chr14.56869	3830406c13rik(-83680),Ptpgr(+646997)	N/A
Chr14	65424040	65424252	Chr14.56922	Prnc(+1326),Zfp395(+65470)	N/A
Chr14	65425132	65425305	Chr14.56925	Prnc(+253)	N/A
Chr14	65425341	65425451	Chr14.56927	Prnc(+78)	N/A
Chr14	65704183	65704183	Chr14.57175	Pbk(-101714),Scara5(+37720)	N/A
Chr14	65724965	65725196	Chr14.57190	Pbk(-80761),Scara5(+58673)	N/A
Chr14	65744884	65745056	Chr14.57223	Pbk(-60867),Scara5(+78567)	N/A
Chr14	65762127	65762296	Chr14.57253	Pbk(-43625),Scara5(+95809)	N/A
Chr14	65781449	65781682	Chr14.57276	Pbk(-24271),Scara5(+115163)	N/A
Chr14	65791995	65792215	Chr14.57281	Pbk(-13732),Scara5(+125702)	N/A
Chr14	65889799	65889977	Chr14.57399	Ccdc25(+52565),Scara3(+63656)	N/A
Chr14	65916117	65916223	Chr14.57412	Scara3(+37574),Ccdc25(+78868)	N/A
Chr14	65943007	65943120	Chr14.57481	Scara3(+10680),Ccdc25(+105762)	N/A
Chr14	12284941	12285136	Chr14.57882	3830406c13rik(+830)	N/A
Chr14	66213837	66213981	Chr14.57822	PK2b(-67143),Chra2(+72949)	N/A
Chr14	66257184	66257918	Chr14.57849	PK2b(-133201),Chra2(+116891)	N/A
Chr14	66280974	66281130	Chr14.57864	PK2b(0)	N/A
Chr14	66320021	66320151	Chr14.57925	Stmn4(-24218),Trim35(+23055)	N/A
Chr14	66344116	66344161	Chr14.57931	Stmn4(-16)	N/A
Chr14	66378128	66378264	Chr14.57976	Adra1a(-257145),Stmn4(+33892)	N/A
Chr14	66736996	66737136	Chr14.58194	Gm10032(-47461),Adra1a(+101727)	N/A
Chr14	66764369	66764604	Chr14.58213	Gm10032(-20042),Adra1a(+129124)	N/A
Chr14	66771670	66771779	Chr14.58216	Gm10032(-12804),Adra1a(+136384)	N/A
Chr14	66846576	66846699	Chr14.58315	Dpysl2(+22050),Gm10032(+62109)	N/A
Chr14	66855580	66855690	Chr14.58327	Dpysl2(+13053),Gm10032(+71106)	N/A
Chr14	66863810	66863965	Chr14.58344	Gm5464(-4962),Dpysl2(+4800)	N/A
Chr14	66867648	66867848	Chr14.58361	Gm5464(-1271),Dpysl2(+1109)	N/A
Chr14	66868666	66868812	Chr14.58372	Gm5464(-111),Dpysl2(-51)	N/A
Chr14	66910435	66910794	Chr14.58390	Prma2(-555)	N/A
Chr14	66931723	66931831	Chr14.58401	493057807rik(-5588),Prma2(+20607)	N/A
Chr14	66931988	66932119	Chr14.58404	493057807rik(-5311),Prma2(+20884)	N/A
Chr14	66990734	66990837	Chr14.58443	Bnip3(+18091),493057807rik(+53421)	N/A
Chr14	67008822	67008940	Chr14.58467	Bnip3(-4)	N/A
Chr14	67070688	67070840	Chr14.58516	Bnip3(-61887),Ppp2r2a(+1707)	N/A
Chr14	67097198	67097463	Chr14.58531	Ebf2(-136255),Ppp2r2a(-24860)	N/A
Chr14	67098126	67098400	Chr14.58535	Ebf2(-135323),Ppp2r2a(-25792)	N/A
Chr14	67116656	67116812	Chr14.58549	Ebf2(-116852),Ppp2r2a(-44263)	N/A
Chr14	67135313	67135595	Chr14.58562	Ebf2(-98132),Ppp2r2a(-62983)	N/A
Chr14	67229785	67229924	Chr14.58585	Ebf2(-3731)	N/A
Chr14	67232418	67232521	Chr14.58589	Ebf2(-1116)	N/A
Chr14	67233510	67233712	Chr14.58593	Ebf2(+25)	N/A
Chr14	67234501	67234695	Chr14.58599	Ebf2(+1012),Gm6878(+80113)	N/A
Chr14	67234787	67234954	Chr14.58604	Ebf2(+1285),Gm6878(+79840)	N/A
Chr14	67240962	67241235	Chr14.58625	Ebf2(+7513),Gm6878(+73612)	N/A
Chr14	67242002	67242345	Chr14.58630	Ebf2(+65858),Gm6878(+72537)	N/A
Chr14	67260716	67260853	Chr14.58664	Ebf2(+27199),Gm6878(+53926)	N/A
Chr14	67260882	67260996	Chr14.58667	Ebf2(+27353),Gm6878(+53772)	N/A
Chr14	67263946	67264145	Chr14.58679	Ebf2(+30460),Gm6878(+50665)	N/A
Chr14	67264680	67264814	Chr14.58684	Ebf2(+31161),Gm6878(+49694)	N/A
Chr14	67271981	67272095	Chr14.58703	Ebf2(+39423),Gm6878(+62673)	N/A
Chr14	67272306	67272524	Chr14.58706	Ebf2(+38829),Gm6878(+42296)	N/A
Chr14	67272822	67272989	Chr14.58709	Ebf2(+39320),Gm6878(+41805)	N/A
Chr14	67273356	67273501	Chr14.58714	Ebf2(+39843),Gm6878(+41282)	N/A
Chr14	67279551	67279728	Chr14.58726	Gm6878(+35071),Ebf2(+46054)	N/A
Chr14	67291117	67291587	Chr14.58752	Gm6878(+23359),Ebf2(+7786)	N/A
Chr14	67299235	67299439	Chr14.58768	Gm6878(+15374),Ebf2(+65751)	N/A
Chr14	67300429	67300757	Chr14.58775	Gm6878(+14118),Ebf2(+67007)	N/A
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Chr14	67301445	67301607	Chr14.58781	Gm6878(+13185),Ebf2(+67940)	N/A
Chr14	67301766	67301944	Chr14.58783	Gm6878(+1285),Ebf2(+66269)	N/A
Chr14	67303068	67303198	Chr14.58793	Gm6878(+11578),Ebf2(+65647)	N/A
Chr14	67303950	67304146	Chr14.58795	Gm6878(+10663),Ebf2(+70462)	N/A
Chr14	67306353	67306543	Chr14.58815	Gm6878(+8263),Ebf2(+72862)	N/A
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Chr14	67309157	67309260	Chr14.58830	Gm6878(+5502),Ebf2(+75623)	N/A
Chr14	67314892	67315143	Chr14.58839	Gm6878(-307)	N/A
Chr14	67315188	67315327	Chr14.58843	Gm6878(-547)	N/A

Chr14	67315465	67316033	Chr14.58846	Gm6878(-1038)	N/A
Chr14	67317654	67317961	Chr14.58855	Gm6878(-3097)	N/A
Chr14	67322292	67322628	Chr14.58863	Gm6878(-7899), Cdca2(+35000)	N/A
Chr14	67322881	67323094	Chr14.58866	Gm6878(-8277), Cdca2(+39262)	N/A
Chr14	12342067	12342217	Chr14.5887	Fezf2(+3723), 3830406c13nk(+57933)	N/A
Chr14	67338671	67338796	Chr14.58892	Gm6878(-24023), Cdca2(+376876)	N/A
Chr14	67342029	67342388	Chr14.58900	Gm6878(-27498), Cdca2(+373401)	N/A
Chr14	67342491	67342761	Chr14.58903	Gm6878(-27915), Cdca2(+372984)	N/A
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Chr14	67344689	67345238	Chr14.58913	Gm6878(-30252), Cdca2(+370647)	N/A
Chr14	67345272	67345448	Chr14.58916	Gm6878(-30649), Cdca2(+370250)	N/A
Chr14	67345756	67347964	Chr14.58930	Gm6878(-33059), Cdca2(+367840)	N/A
Chr14	67356116	67356299	Chr14.58939	Gm6878(-41497), Cdca2(+359402)	N/A
Chr14	67357799	67357919	Chr14.58950	Gm6878(-43148), Cdca2(+357751)	N/A
Chr14	67368813	67368995	Chr14.58963	Gm6878(-44193), Cdca2(+346708)	N/A
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Chr14	67371487	67371622	Chr14.58991	Gm6878(-56844), Cdca2(+344055)	N/A
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Chr14	67381069	67381237	Chr14.59019	Gm6878(-66442), Cdca2(+334457)	N/A
Chr14	67381874	67381993	Chr14.59027	Gm6878(-67223), Cdca2(+333676)	N/A
Chr14	67383206	67383411	Chr14.59035	Gm6878(-68598), Cdca2(+332301)	N/A
Chr14	67383550	67384080	Chr14.59037	Gm6878(-69104), Cdca2(+331795)	N/A
Chr14	67384379	67384693	Chr14.59043	Gm6878(-69825), Cdca2(+331074)	N/A
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Chr14	12345470	12345782	Chr14.5907	Fezf2(+239)	N/A
Chr14	67418001	67418188	Chr14.59121	Gm6878(-103384), Cdca2(+297515)	N/A
Chr14	12346063	12346226	Chr14.5913	Fezf2(-280)	N/A
Chr14	67424574	67424805	Chr14.59135	Gm6878(-109979), Cdca2(+290920)	N/A
Chr14	67432124	67432272	Chr14.59162	Gm6878(-117487), Cdca2(+283412)	N/A
Chr14	67434242	67434534	Chr14.59170	Gm6878(-119677), Cdca2(+281222)	N/A
Chr14	67457608	67457714	Chr14.59200	Gm6878(-142949), Cdca2(+257959)	N/A
Chr14	67457763	67457864	Chr14.59202	Gm6878(-143103), Cdca2(+257796)	N/A
Chr14	67467985	67468211	Chr14.59209	Gm6878(-153387), Cdca2(+247512)	N/A
Chr14	67468406	67468554	Chr14.59212	Gm6878(-153769), Cdca2(+247130)	N/A
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Chr14	67478544	67478747	Chr14.59235	Gm6878(-163935), Cdca2(+239694)	N/A
Chr14	67478828	67479099	Chr14.59238	Gm6878(-164253), Cdca2(+236646)	N/A
Chr14	67484502	67484945	Chr14.59245	Gm6878(-170013), Cdca2(+230886)	N/A
Chr14	67507159	67507269	Chr14.59269	Gm6878(-192503), Cdca2(+208396)	N/A
Chr14	67537011	67537128	Chr14.59285	Gm6878(-222359), Cdca2(+178540)	N/A
Chr14	67537227	67537381	Chr14.59286	Gm6878(-222593), Cdca2(+178306)	N/A
Chr14	67537427	67537565	Chr14.59290	Gm6878(-222785), Cdca2(+178114)	N/A
Chr14	67541235	67541423	Chr14.59295	Gm6878(-226618), Cdca2(+174281)	N/A
Chr14	67541457	67541645	Chr14.59300	Gm6878(-226840), Cdca2(+174059)	N/A
Chr14	67557062	67557203	Chr14.59316	Gm6878(-242422), Cdca2(+158477)	N/A
Chr14	67569332	67569486	Chr14.59328	Gm6878(-254688), Cdca2(+146211)	N/A
Chr14	67569655	67569875	Chr14.59335	Gm6878(-255054), Cdca2(+145645)	N/A
Chr14	67582199	67582604	Chr14.59344	Gm6878(-267691), Cdca2(+133208)	N/A
Chr14	67593341	67593654	Chr14.59362	Gm6878(-278787), Cdca2(+122112)	N/A
Chr14	67609055	67609177	Chr14.59404	Gm6878(-294405), Cdca2(+106494)	N/A
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Chr14	67613178	67613671	Chr14.59413	Gm6878(-298714), Cdca2(+102185)	N/A
Chr14	67614277	67614935	Chr14.59420	Gm6878(-299895), Cdca2(+101004)	N/A
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Chr14	67621058	67621293	Chr14.59439	Gm6878(-306465), Cdca2(+94434)	N/A
Chr14	67621326	67621454	Chr14.59442	Gm6878(-306679), Cdca2(+94220)	N/A
Chr14	67632959	67633073	Chr14.59458	Gm6878(-318305), Cdca2(+825594)	N/A
Chr14	67675756	67675908	Chr14.59519	Gm6878(-361121), Cdca2(+397778)	N/A
Chr14	67716813	67716918	Chr14.59576	Cdca2(+1256), Kctd5(+504)	N/A
Chr14	67774243	67774405	Chr14.59724	Gnrh1(+29095), Dock5(+159248)	N/A
Chr14	67888391	67888521	Chr14.59908	Dock5(+45116), Gnrh1(+143227)	N/A
Chr14	67955279	67955167	Chr14.59937	Nelf1(-128265), Dock5(-22026)	N/A
Chr14	67962249	67962457	Chr14.59949	Nelf1(-121510), Dock5(-28781)	N/A
Chr14	67993745	67993874	Chr14.59967	Nelf1(-90053), Dock5(-60238)	N/A
Chr14	12388017	12388269	Chr14.6012	Fezf2(-42278), Cadps(+434936)	N/A
Chr14	68125508	68125747	Chr14.60166	Nefm(-782)	N/A
Chr14	12388771	12389121	Chr14.6017	Fezf2(-43081), Cadps(+434133)	N/A
Chr14	12389167	12389286	Chr14.6019	Fezf2(-43363), Cadps(+433851)	N/A
Chr14	68219025	68219195	Chr14.60242	Nefm(-42464), Adam7(+314579)	N/A
Chr14	68271817	68271787	Chr14.60631	Stc1(-307587), Adam28(+65867)	N/A
Chr14	68276106	68276237	Chr14.60640	Stc1(-25317), Adam28(-120330)	N/A
Chr14	68291222	68291385	Chr14.60649	Stc1(-237985), Adam28(-135462)	N/A
Chr14	68292129	68292342	Chr14.60654	Stc1(-237053), Adam28(-136394)	N/A
Chr14	68820217	68820500	Chr14.60681	Stc1(-208930), Adam28(-164517)	N/A
Chr14	68921333	68921432	Chr14.60730	Adam28(-367441), Stc1(-106060)	N/A
Chr14	68927907	68928063	Chr14.60739	Adam28(-272143), Stc1(-101304)	N/A
Chr14	68934741	68935034	Chr14.60748	Adam28(-279046), Stc1(-94401)	N/A
Chr14	68981453	68981735	Chr14.60782	Adam28(-325752), Stc1(-47695)	N/A
Chr14	68995100	68995234	Chr14.60791	Adam28(-339325), Stc1(-34122)	N/A
Chr14	68998705	68998811	Chr14.60795	Adam28(-339833), Stc1(-33614)	N/A
Chr14	69028944	69029143	Chr14.60831	Stc1(-245)	N/A
Chr14	69029557	69029839	Chr14.60835	Stc1(+409)	N/A
Chr14	69030310	69030831	Chr14.60837	Nkx2-6(-141005), Stc1(+1282)	N/A
Chr14	69034241	69034346	Chr14.60858	Nkx2-6(-137282), Stc1(+5005)	N/A
Chr14	69040050	69040373	Chr14.60895	Nkx2-6(-131364), Stc1(+10923)	N/A
Chr14	69053090	69053523	Chr14.60907	Nkx2-6(-118269), Stc1(+24018)	N/A
Chr14	69086677	69086832	Chr14.60936	Nkx2-6(-82821), Stc1(+59466)	N/A
Chr14	69089123	69089477	Chr14.60937	Nkx2-6(-82276), Stc1(+60011)	N/A
Chr14	69199938	69200056	Chr14.61048	Nkx3-1(+9359), Slc25a3(+85106)	N/A
Chr14	69218111	69218243	Chr14.61059	Nkx3-1(+27539), Slc25a3(+66926)	N/A
Chr14	69248922	69249030	Chr14.61113	Slc25a3(+36122), Nkx3(-158343)	N/A
Chr14	69698578	69698681	Chr14.61434	R3hcc1(+4863), Lox2(+89154)	N/A
Chr14	69705544	69706693	Chr14.61458	R3hcc1(+874)	N/A
Chr14	69707050	69707184	Chr14.61461	R3hcc1(+376)	N/A
Chr14	69803433	69803588	Chr14.61585	Rhobtb2(+2019), Trnfrs10b(+36039)	N/A
Chr14	69804034	69804268	Chr14.61586	Rhobtb2(+3379), Trnfrs10b(+36679)	N/A
Chr14	69868554	69868769	Chr14.61624	Egr3(-26873), Pebp4(-28242)	N/A
Chr14	69909519	69909640	Chr14.61643	Egr3(-167859), Pebp4(-69160)	N/A
Chr14	69909814	69909921	Chr14.61646	Egr3(-167577), Pebp4(+69448)	N/A
Chr14	69912424	69912533	Chr14.61652	Egr3(-164966), Pebp4(+72059)	N/A
Chr14	69994852	69995205	Chr14.61741	Egr3(-82416), Pebp4(+154609)	N/A
Chr14	69998705	69998836	Chr14.61747	Egr3(-78674), Pebp4(+158351)	N/A
Chr14	70018020	70002068	Chr14.61752	Egr3(-75501), Pebp4(+161524)	N/A
Chr14	70002106	70002218	Chr14.61753	Egr3(-75283), Pebp4(+161742)	N/A
Chr14	70003089	70003282	Chr14.61754	Egr3(-74259), Pebp4(+162766)	N/A
Chr14	70023389	70023507	Chr14.61781	Egr3(-53997), Pebp4(+183028)	N/A
Chr14	70026599	70026780	Chr14.61784	Egr3(-50755), Pebp4(+186270)	N/A
Chr14	70034228	70034343	Chr14.61809	Egr3(-43159), Pebp4(+193686)	N/A
Chr14	70041034	70041176	Chr14.61818	Egr3(-36340), Pebp4(+200568)	N/A
Chr14	70047808	70047916	Chr14.61840	Egr3(-29583), Pebp4(+207442)	N/A
Chr14	70055627	70055919	Chr14.61858	Egr3(-21672), Pebp4(+215353)	N/A
Chr14	70057098	70057203	Chr14.61862	Egr3(-20294), Pebp4(+216731)	N/A
Chr14	70062303	70062488	Chr14.61874	Egr3(-15049), Pebp4(+221978)	N/A
Chr14	70064180	70064293	Chr14.61878	Egr3(-13208), Pebp4(+223877)	N/A
Chr14	70066101	70066399	Chr14.61886	Egr3(-11193), Pebp4(+225830)	N/A
Chr14	70067877	70068037	Chr14.61893	Egr3(-9488), Pebp4(+227537)	N/A
Chr14	70073207	70073328	Chr14.61900	Egr3(-4177)	N/A
Chr14	70074846	70075076	Chr14.61904	Egr3(-2484)	N/A
Chr14	70076806	70076954	Chr14.61916	Egr3(-565)	N/A
Chr14	70077733	70077898	Chr14.61919	Egr3(+421)	N/A
Chr14	70089558	70089707	Chr14.61969	Bin3(-10512), Egr3(+12188)	N/A
Chr14	70094031	70094141	Chr14.61980	Bin3(-6059), Egr3(+16641)	N/A
Chr14	70120779	70120884	Chr14.62017	Bin3(+20687), Ccar2(+32979)	N/A
Chr14	70129891	70130005	Chr14.62044	Ccar2(+23863), Bin3(+29803)	N/A
Chr14	70130202	70130416	Chr14.62050	Ccar2(+23502), Bin3(+30154)	N/A
Chr14	70130834	70131021	Chr14.62054	Ccar2(+22863), Bin3(+30783)	N/A
Chr14	70131277	70131423	Chr14.62060	Ccar2(+22461), Bin3(+31205)	N/A
Chr14	70153646	70153797	Chr14.62169	Ccar2(+89)	N/A
Chr14	70160807	70160921	Chr14.62188	9930012k11rk(-1362)	N/A
Chr14	70170898	70171014	Chr14.62215	9930012k11rk(-11454), Pdim2(+5863)	N/A
Chr14	70174000	70174122	Chr14.62233	9930012k11rk(-14559), Pdim2(+2758)	N/A
Chr14	70176800	70176930	Chr14.62253	Pdim2(+46)	N/A
Chr14	70180733	70180989	Chr14.62260	Pdim2(+4042)	N/A
Chr14	70203512	70203617	Chr14.62332	Pdim2(-26746), Sorbs3(+4072)	N/A
Chr14	70206155	70206318	Chr14.62342	Pdim2(-29418), Sorbs3(+1400)	N/A
Chr14	70206556	70206755	Chr14.62345	Sorbs3(+931)	N/A
Chr14	70207598	70207814	Chr14.62348	Sorbs3(-54)	N/A

Chr14	70209503	70209624	Chr14.62354	Sorbs3(-1927)	N/A
Chr14	70211800	70211932	Chr14.62364	Sorbs3(-4229)	N/A
Chr14	70219976	70220110	Chr14.62383	Sorbs3(-12406),Pgp3cc(+69406)	N/A
Chr14	70313595	70313773	Chr14.62463	Pgp3cc(-24235),Sic39a14(+37741)	N/A
Chr14	70459778	12460004	Chr14.6259	Fex2(-114026),Cadps(+363188)	N/A
Chr14	70457340	70457444	Chr14.62627	Phyhip(-84)	N/A
Chr14	70461349	70461501	Chr14.62640	Phyhip(+3949),Bmp1(+58835)	N/A
Chr14	70471235	70471370	Chr14.62699	Phyhip(+13827),Bmp1(+48957)	N/A
Chr14	70471470	70471639	Chr14.62701	Phyhip(+14079),Bmp1(+48705)	N/A
Chr14	70474453	70474648	Chr14.62706	Phyhip(+17075),Bmp1(+45709)	N/A
Chr14	70486545	70486680	Chr14.62748	Phyhip(+29137),Bmp1(+33647)	N/A
Chr14	70486712	70486939	Chr14.62749	Phyhip(+29350),Bmp1(+33434)	N/A
Chr14	70505569	70505701	Chr14.62814	Bmp1(+14625),Phyhip(+48159)	N/A
Chr14	70517768	70517873	Chr14.62842	Bmp1(+2439),Phyhip(+60345)	N/A
Chr14	70524172	70524276	Chr14.62873	Bmp1(-3964),Sfpoc(-143)	N/A
Chr14	70526922	70527049	Chr14.62879	Lg3(-3835),Sfpoc(-2905)	N/A
Chr14	70527205	70527328	Chr14.62885	Lg3(-3554),Sfpoc(-3186)	N/A
Chr14	70546249	70546364	Chr14.62981	Hr(-7380),Reep4(+1056)	N/A
Chr14	70552060	70552354	Chr14.63024	Hr(-1480)	N/A
Chr14	70553503	70553720	Chr14.63033	Hr(-75)	N/A
Chr14	70554979	70554361	Chr14.63034	Hr(+633)	N/A
Chr14	70554504	70554606	Chr14.63036	Hr(+858)	N/A
Chr14	70554798	70554974	Chr14.63038	Nudt18(-22961),Hr(+1199)	N/A
Chr14	70583873	70584117	Chr14.63177	Nudt18(+6148),Fam160b2(+15840)	N/A
Chr14	70585930	70585956	Chr14.63201	Nudt18(-8046),Fam160b2(+13942)	N/A
Chr14	70605290	70605405	Chr14.63273	Fam160b2(-5513),Dmtr(+21717)	N/A
Chr14	70628942	70629073	Chr14.63312	Dmtr(-1949)	N/A
Chr14	70641715	70641898	Chr14.63350	Fgf17(+461)	N/A
Chr14	70707942	70708170	Chr14.63463	Npm2(-54972),Xpo7(+58572)	N/A
Chr14	12485701	12485921	Chr14.6350	Fex2(-139946),Cadps(+337268)	N/A
Chr14	70781215	70781315	Chr14.63540	Gfra2(-108865),Dox2(+6961)	N/A
Chr14	70862890	70862810	Chr14.63559	Gfra2(-37380),Dox2(+88446)	N/A
Chr14	70888798	70888915	Chr14.63618	Gfra2(-1273)	N/A
Chr14	70890219	70890326	Chr14.63621	Gfra2(+143)	N/A
Chr14	70890638	70890773	Chr14.63624	Gfra2(+576)	N/A
Chr14	70920279	70920477	Chr14.63648	Gfra2(+30248)	N/A
Chr14	70944449	70944598	Chr14.63731	Gfra2(+104393)	N/A
Chr14	71003983	71004210	Chr14.63734	Gfra2(+113967)	N/A
Chr14	71054080	71054319	Chr14.63769	Gfra2(+164070)	N/A
Chr14	71139873	71139996	Chr14.63822	Gfra2(+249805)	N/A
Chr14	71241908	71242045	Chr14.63894	Gfra2(+351847)	N/A
Chr14	71242262	71242363	Chr14.63899	Gfra2(+352183)	N/A
Chr14	71246454	71246558	Chr14.63911	Gfra2(+366378)	N/A
Chr14	71249980	71250083	Chr14.63921	Gfra2(+359902)	N/A
Chr14	71276464	71276662	Chr14.63941	Gfra2(+386433)	N/A
Chr14	8098854	8098968	Chr14.643	Pxk(+698)	N/A
Chr14	71809015	71809220	Chr14.64342	Fndc3a(+900885),Gfra2(+918988)	N/A
Chr14	71935587	71935775	Chr14.64448	Fndc3a(+774322)	N/A
Chr14	72002457	72002646	Chr14.64521	Fndc3a(+707451)	N/A
Chr14	72146511	72146631	Chr14.64599	Fndc3a(+563432)	N/A
Chr14	72147037	72147152	Chr14.64603	Fndc3a(+562908)	N/A
Chr14	72155623	72155733	Chr14.64612	Fndc3a(+554325)	N/A
Chr14	72158770	72158932	Chr14.64619	Fndc3a(+551152)	N/A
Chr14	72167436	72167624	Chr14.64638	Fndc3a(+542473)	N/A
Chr14	72211805	72211952	Chr14.64678	Fndc3a(+498124)	N/A
Chr14	72341928	72342336	Chr14.64781	Fndc3a(+367871)	N/A
Chr14	8099811	8100081	Chr14.648	Pxk(+1733),Pdhb(+73046)	N/A
Chr14	72532229	72532655	Chr14.65106	Fndc3a(+177561)	N/A
Chr14	72602867	72603018	Chr14.65181	Fndc3a(+107060)	N/A
Chr14	72708563	72708742	Chr14.65212	Fndc3a(+1350)	N/A
Chr14	72709935	72710049	Chr14.65218	Fndc3a(+11)	N/A
Chr14	72739320	72739457	Chr14.65259	Fndc3a(-29386),Cystfr2(+309725)	N/A
Chr14	72845079	72845189	Chr14.65337	Fndc3a(-135131),Cystfr2(+203980)	N/A
Chr14	72888166	72888283	Chr14.65374	Fndc3a(-178222),Cystfr2(+160889)	N/A
Chr14	73237943	73237971	Chr14.65582	Lpar6(+16)	N/A
Chr14	73253595	73253776	Chr14.65611	Lpar6(+15795),Rb1(+72136)	N/A
Chr14	73347529	73347738	Chr14.65655	Rb1(-21812),Itm2b(+37637)	N/A
Chr14	73369741	73369872	Chr14.65682	Rb1(-43985),Itm2b(+15464)	N/A
Chr14	73388512	73388739	Chr14.65704	Itm2b(-3355)	N/A
Chr14	73411103	73411237	Chr14.65726	Med4(-58878),Itm2b(-58989)	N/A
Chr14	73470634	73470752	Chr14.65749	Itm2b(-65422),Med4(-93356)	N/A
Chr14	73470803	73470927	Chr14.65752	Itm2b(-85594),Med4(-39184)	N/A
Chr14	73472447	73472799	Chr14.65755	Itm2b(-87352),Med4(-37426)	N/A
Chr14	73474158	73474304	Chr14.65759	Itm2b(-88960),Med4(-35818)	N/A
Chr14	73502740	73502939	Chr14.65779	Itm2b(-117569),Med4(-7209)	N/A
Chr14	73503854	73503854	Chr14.65792	Itm2b(-119469),Med4(-6309)	N/A
Chr14	73687724	73687870	Chr14.65872	Hr2a(-953043),Sua2(+135132)	N/A
Chr14	8124310	8124502	Chr14.659	Pxk(+26193),Pdhb(+48586)	N/A
Chr14	74640792	74640898	Chr14.66157	Hr2a(+5)	N/A
Chr14	74642889	74643059	Chr14.66186	Esd(-89323),Hr2a(+2134)	N/A
Chr14	74620227	74620334	Chr14.66376	Esd(-87964),Lrch1(+127596)	N/A
Chr14	74841009	74841212	Chr14.66392	Lrch1(+106768),Esd(+108914)	N/A
Chr14	74853409	74853654	Chr14.66404	Lrch1(+94345),Esd(+121235)	N/A
Chr14	74867636	74867847	Chr14.66410	Lrch1(+80135),Esd(+135445)	N/A
Chr14	74877478	74877677	Chr14.66421	Lrch1(+70299),Esd(+145281)	N/A
Chr14	74884396	74884600	Chr14.66427	Lrch1(+63379),Esd(+152201)	N/A
Chr14	74885036	74885185	Chr14.66438	Lrch1(+62766),Esd(+152814)	N/A
Chr14	74899943	74900097	Chr14.66443	Lrch1(+47857),Esd(+167723)	N/A
Chr14	74913681	74913818	Chr14.66463	Lrch1(+34127),Esd(+181453)	N/A
Chr14	74922174	74922328	Chr14.66469	Lrch1(+25626),Esd(+189954)	N/A
Chr14	74939495	74939640	Chr14.66473	Lrch1(+8309),Esd(+207271)	N/A
Chr14	74946079	74946195	Chr14.66474	Lrch1(+1740),Esd(+213840)	N/A
Chr14	75176691	75176880	Chr14.66532	Cxbr2(-65501),Lcp1(+40454)	N/A
Chr14	75445739	75445844	Chr14.66961	Siah3(-10190),Zc3h13(+161419)	N/A
Chr14	75459227	75459327	Chr14.66984	Siah3(+3295),Sper1(+133839)	N/A
Chr14	75531895	75532103	Chr14.67063	Sper1(+61117),Siah3(+76017)	N/A
Chr14	75541158	75541460	Chr14.67080	Sper1(+51807),Siah3(+85327)	N/A
Chr14	75845779	75845880	Chr14.67363	Tpt1(+37)	N/A
Chr14	75847896	75848031	Chr14.67372	Kctd4(-107039),Tpt1(+2871)	N/A
Chr14	76010900	76011005	Chr14.67469	Gf2f2(-88)	N/A
Chr14	76033270	76033540	Chr14.67504	Gf2f2(-22540),Gpalp1(+77410)	N/A
Chr14	76165171	76165402	Chr14.67602	Nufip1(+54396),Rps2-ps6(+72066)	N/A
Chr14	76176485	76176609	Chr14.67608	Rps2-ps6(-60806),Nufip1(+65656)	N/A
Chr14	12822995	12823200	Chr14.6761	Cwdp(-19)	N/A
Chr14	76221656	76221949	Chr14.67641	Rps2-ps6(+15550),Nufip1(+110912)	N/A
Chr14	76331438	76331563	Chr14.67726	Rps2-ps6(-94148),Tsc22d1(-84086)	N/A
Chr14	76331595	76331739	Chr14.67730	Rps2-ps6(-94314),Tsc22d1(-83920)	N/A
Chr14	76380811	76381030	Chr14.67754	Rps2-ps6(-123568),Tsc22d1(-54666)	N/A
Chr14	76373800	76374007	Chr14.67764	Rps2-ps6(-136601),Tsc22d1(-41633)	N/A
Chr14	76412224	76414444	Chr14.67788	Tsc22d1(+25747),Serp2(+11535)	N/A
Chr14	76504704	76504861	Chr14.67912	Serp2(+51904),Tsc22d1(+89195)	N/A
Chr14	76505755	76505976	Chr14.67916	Serp2(+50821),Tsc22d1(+90279)	N/A
Chr14	76507640	76507774	Chr14.67932	Serp2(+48980),Tsc22d1(+92120)	N/A
Chr14	76533557	76533516	Chr14.67939	Serp2(+23250),Tsc22d1(+117850)	N/A
Chr14	76537048	76537200	Chr14.67945	Serp2(+19553),Tsc22d1(+121537)	N/A
Chr14	76569672	76569798	Chr14.67982	Serp2(-13048),Lacc1(+466906)	N/A
Chr14	76577912	76578023	Chr14.67985	Serp2(-21281),Lacc1(+458673)	N/A
Chr14	7855556	78555691	Chr14.68	Flnb(+37667),Dnase1l3(+138949)	N/A
Chr14	76618038	76618193	Chr14.68013	Serp2(-81429),Lacc1(+418525)	N/A
Chr14	76623051	76623245	Chr14.68023	Serp2(-86461),Lacc1(+413493)	N/A
Chr14	76658412	76658543	Chr14.68048	Serp2(-101791),Lacc1(+378163)	N/A
Chr14	76659368	76659474	Chr14.68052	Serp2(-102734),Lacc1(+377220)	N/A
Chr14	76673512	76673682	Chr14.68062	Serp2(-116910),Lacc1(+363044)	N/A
Chr14	76681735	76681903	Chr14.68069	Serp2(-125132),Lacc1(+354822)	N/A
Chr14	76688204	76688393	Chr14.68075	Serp2(-131612),Lacc1(+348342)	N/A
Chr14	76694223	76694412	Chr14.68093	Serp2(-137631),Lacc1(+342323)	N/A
Chr14	76698526	76698973	Chr14.68106	Serp2(-142213),Lacc1(+337741)	N/A
Chr14	76699042	76699158	Chr14.68111	Serp2(-142413),Lacc1(+337541)	N/A
Chr14	76708470	76708913	Chr14.68126	Serp2(-152005),Lacc1(+327949)	N/A
Chr14	76724490	76724699	Chr14.68137	Serp2(-167908),Lacc1(+312046)	N/A
Chr14	76740308	76740483	Chr14.68150	Serp2(-183709),Lacc1(+296245)	N/A
Chr14	76760649	76760823	Chr14.68169	Serp2(-200490),Lacc1(+275995)	N/A
Chr14	76764562	76764707	Chr14.68185	Serp2(-207948),Lacc1(+272006)	N/A
Chr14	76781113	76781402	Chr14.68209	Serp2(-224571),Lacc1(+255383)	N/A
Chr14	76789498	76789606	Chr14.68216	Serp2(-232865),Lacc1(+247089)	N/A
Chr14	76798949	76799231	Chr14.68225	Serp2(-242403),Lacc1(+237551)	N/A
Chr14	76799946	76800291	Chr14.68227	Serp2(-243432),Lacc1(+236522)	N/A
Chr14	76828904	76829075	Chr14.68253	Serp2(-272303),Lacc1(+207651)	N/A

Chr14	76874785	76874929	Chr14.68290	Serp2(-318170),Lacc1(+161784)	N/A
Chr14	76875134	76875245	Chr14.68293	Serp2(-318503),Lacc1(+161451)	N/A
Chr14	76883018	76883231	Chr14.68303	Serp2(-326438),Lacc1(+153516)	N/A
Chr14	76948946	76949231	Chr14.68370	Serp2(-392402),Lacc1(+87553)	N/A
Chr14	77150656	77150859	Chr14.68505	Enox1(-6005),Ccdc122(+113986)	N/A
Chr14	77153576	77153718	Chr14.68511	Enox1(-3116)	N/A
Chr14	77157762	77157953	Chr14.68525	Enox1(+1095),Gm10132(+94469)	N/A
Chr14	77175275	77175540	Chr14.68564	Enox1(+18845),Gm10132(+76919)	N/A
Chr14	77225519	77225692	Chr14.68633	Gm10132(+26721),Enox1(+6884)	N/A
Chr14	77267397	77267526	Chr14.68660	Gm10132(+15135),Gm6994(+239406)	N/A
Chr14	77454297	77454397	Chr14.68906	Gm10132(-202020),Gm6994(+52521)	N/A
Chr14	77456972	77457085	Chr14.68916	Gm10132(-204702),Gm6994(+49839)	N/A
Chr14	77457119	77457236	Chr14.68918	Gm10132(-204851),Gm6994(+49690)	N/A
Chr14	77473640	77473852	Chr14.68934	Gm10132(-221419),Gm6994(+33122)	N/A
Chr14	77574579	77574693	Chr14.69052	Gm6994(-67768),Gm1587(+224226)	N/A
Chr14	77581463	77581656	Chr14.69096	Gm6994(-74602),Gm1587(+217304)	N/A
Chr14	77581796	77581899	Chr14.69100	Gm6994(-74980),Gm1587(+217016)	N/A
Chr14	77585689	77585793	Chr14.69115	Gm6994(-78873),Gm1587(+213123)	N/A
Chr14	77599789	77599952	Chr14.69151	Gm6994(-93003),Gm1587(+198993)	N/A
Chr14	77621938	77622251	Chr14.69190	Gm6994(-115227),Gm1587(+176769)	N/A
Chr14	77634753	77635058	Chr14.69225	Gm6994(-128038),Gm1587(+163958)	N/A
Chr14	77707100	77707333	Chr14.69330	Gm6994(-200349),Gm1587(+91647)	N/A
Chr14	77802236	77802439	Chr14.69423	Gm1587(-3474)	N/A
Chr14	77882706	77882911	Chr14.69504	Epst1(-21430),Dnajc15(-7892)	N/A
Chr14	77943114	77943563	Chr14.69576	Epst1(+39100),Fam216b(+145668)	N/A
Chr14	78038691	78038798	Chr14.69670	Fam216b(+50252),Epst1(+154566)	N/A
Chr14	78038953	78039215	Chr14.69674	Fam216b(+49623),Epst1(+134845)	N/A
Chr14	78069877	78060625	Chr14.69705	Fam216b(+28756),Epst1(+156012)	N/A
Chr14	78132759	78132995	Chr14.69788	Fam216b(-43870),Trsf11(+175166)	N/A
Chr14	78216447	78216561	Chr14.69876	Fam216b(-127497),Trsf11(+195139)	N/A
Chr14	78308041	78308171	Chr14.69976	Trsf11(-163)	N/A
Chr14	78330518	78330665	Chr14.69989	Trsf11(-23699),Akap11(+206118)	N/A
Chr14	13336271	13336419	Chr14.7002	Srtn(-334531),Synpr(+51565)	N/A
Chr14	78383126	78383236	Chr14.70042	Trsf11(-75138),Akap11(+153679)	N/A
Chr14	78469137	78469249	Chr14.70156	Trsf11(-161150),Akap11(+67667)	N/A
Chr14	13349268	13349633	Chr14.7017	Srtn(-321426),Synpr(+64671)	N/A
Chr14	78492567	78492790	Chr14.70172	Trsf11(-184631),Akap11(+44186)	N/A
Chr14	78538758	78538866	Chr14.70322	Akap11(-1952)	N/A
Chr14	78629415	78629621	Chr14.70478	Akap11(-92658),Dgkh(+95571)	N/A
Chr14	78657008	78657182	Chr14.70494	Akap11(-120235),Dgkh(+67994)	N/A
Chr14	78725750	78725890	Chr14.70523	Dgkh(-731)	N/A
Chr14	78900910	78901089	Chr14.70574	Vwa8(+51822),Zfp957(+346296)	N/A
Chr14	79034470	79034601	Chr14.70674	Vwa8(+185358),Zfp957(+212760)	N/A
Chr14	79076484	79076792	Chr14.70711	Zfp957(+170658),Vwa8(+227460)	N/A
Chr14	79076953	79077089	Chr14.70717	Zfp957(+170275),Vwa8(+227843)	N/A
Chr14	79083035	79083253	Chr14.70733	Zfp957(+164152),Vwa8(+233966)	N/A
Chr14	79089383	79089760	Chr14.70742	Zfp957(+157724),Vwa8(+240394)	N/A
Chr14	79135125	79135481	Chr14.70799	Zfp957(+111983),Vwa8(+206125)	N/A
Chr14	79140173	79140487	Chr14.70805	Zfp957(+106966),Vwa8(+291152)	N/A
Chr14	79140519	79140665	Chr14.70810	Zfp957(+106704),Vwa8(+291414)	N/A
Chr14	79157911	79158104	Chr14.70825	Zfp957(+89288),Vwa8(+308830)	N/A
Chr14	79200262	79200511	Chr14.70875	Zfp957(+46909),Vwa8(+351209)	N/A
Chr14	79279636	79279746	Chr14.70905	Zfp957(-32395),Rgcc(+21954)	N/A
Chr14	79298900	79298957	Chr14.70923	Zfp957(-49583),Rgcc(+4766)	N/A
Chr14	79317809	79318023	Chr14.70942	Rgcc(-16271),Naa16(+72862)	N/A
Chr14	79482395	79482692	Chr14.71180	Wbp4(-1276)	N/A
Chr14	79515182	79515342	Chr14.71190	Sugt1(-72429),Wbp4(-33994)	N/A
Chr14	79515557	79515724	Chr14.71194	Sugt1(-72050),Wbp4(-34373)	N/A
Chr14	79515825	79515956	Chr14.71195	Sugt1(-71800),Wbp4(-34623)	N/A
Chr14	79534509	79535575	Chr14.71220	Wbp4(-54224),Sugt1(-52199)	N/A
Chr14	79644885	79645060	Chr14.71340	Cnmd(+17197),Sugt1(+57282)	N/A
Chr14	79659008	79659197	Chr14.71373	Cnmd(+3067),Sugt1(+71412)	N/A
Chr14	79659737	79659836	Chr14.71376	Cnmd(+2383),Sugt1(+72096)	N/A
Chr14	79660138	79660463	Chr14.71381	Cnmd(+1869),Sugt1(+72610)	N/A
Chr14	79673057	79673585	Chr14.71394	Cnmd(-11151),Pcdh8(+97991)	N/A
Chr14	79677265	79677411	Chr14.71403	Cnmd(-15168),Pcdh8(+93974)	N/A
Chr14	79677890	79678412	Chr14.71409	Cnmd(-15981),Pcdh8(+93161)	N/A
Chr14	79701233	79701337	Chr14.71447	Cnmd(-39115),Pcdh8(+70027)	N/A
Chr14	79771809	79771953	Chr14.71643	Pcdh8(-569)	N/A
Chr14	79774109	79774564	Chr14.71652	Pcdh8(-3025)	N/A
Chr14	79814357	79814480	Chr14.71712	Olfr4(-185883),Pcdh8(-43107)	N/A
Chr14	79873140	79873387	Chr14.71811	Olfr4(-127038),Pcdh8(-101952)	N/A
Chr14	79880380	79880731	Chr14.71826	Olfr4(-119746),Pcdh8(-109244)	N/A
Chr14	79881371	79881504	Chr14.71830	Olfr4(-118864),Pcdh8(-110126)	N/A
Chr14	79893343	79893570	Chr14.71874	Pcdh8(-122145),Olfr4(-106845)	N/A
Chr14	79893335	79898554	Chr14.71883	Pcdh8(-127133),Olfr4(-101857)	N/A
Chr14	79970444	79970626	Chr14.71995	Pcdh8(-199223),Olfr4(-29767)	N/A
Chr14	80016174	80016449	Chr14.72118	Olfr4(+16010)	N/A
Chr14	80139403	80139513	Chr14.72307	Olfr4(+139156)	N/A
Chr14	80173186	80173448	Chr14.72342	Olfr4(+173015)	N/A
Chr14	80176592	80176730	Chr14.72357	Olfr4(+176359)	N/A
Chr14	80260534	80260666	Chr14.72501	Olfr4(+260398)	N/A
Chr14	80270287	80270416	Chr14.72541	Olfr4(+270050)	N/A
Chr14	80536938	80537091	Chr14.73046	Olfr4(+536713)	N/A
Chr14	80847664	80847864	Chr14.73376	Olfr4(+847462)	N/A
Chr14	80901412	80901633	Chr14.73434	Olfr4(+901221)	N/A
Chr14	785462	785657	Chr14.74	Finb(+38563),Dnase113(+138053)	N/A
Chr14	81761610	81761772	Chr14.74126	None	N/A
Chr14	13947789	13947921	Chr14.7460	Gm281(-33377),Thoc7(+13370)	N/A
Chr14	83906365	83906498	Chr14.74746	Pcdh17(-537131)	N/A
Chr14	84442671	84442783	Chr14.74959	Pcdh17(-836)	N/A
Chr14	84443461	84443620	Chr14.74961	Pcdh17(-22)	N/A
Chr14	84443994	84443794	Chr14.74966	Pcdh17(-181)	N/A
Chr14	84444227	84443778	Chr14.74969	Pcdh17(+740)	N/A
Chr14	84444941	84445118	Chr14.74972	Pcdh17(+1467)	N/A
Chr14	13981300	13981469	Chr14.7501	Atxn7(-31106),Thoc7(-20160)	N/A
Chr14	84516867	84516967	Chr14.75180	Pcdh17(+73354)	N/A
Chr14	14015005	14015230	Chr14.7539	Atxn7(+2627),Psmd6(+105866)	N/A
Chr14	8191802	8191948	Chr14.755	Kctd6(-22627),Pdhh(-18883)	N/A
Chr14	14064689	14064962	Chr14.7568	Atxn7(+52335),Psmd6(+56158)	N/A
Chr14	14067630	14068012	Chr14.7575	Psmd6(+53163),Atxn7(+55330)	N/A
Chr14	14068140	14068312	Chr14.7581	Psmd6(+52758),Atxn7(+55735)	N/A
Chr14	14068364	14068588	Chr14.7586	Psmd6(+52509),Atxn7(+55984)	N/A
Chr14	14070515	14070899	Chr14.7590	Psmd6(+50277),Atxn7(+58216)	N/A
Chr14	14070966	14071120	Chr14.7597	Psmd6(+49941),Atxn7(+58552)	N/A
Chr14	8206512	8206662	Chr14.765	Pdhh(-33595),Kctd6(-7915)	N/A
Chr14	86069768	86069979	Chr14.76533	None	N/A
Chr14	86071037	86071140	Chr14.76540	None	N/A
Chr14	86261553	86262080	Chr14.76813	Diaph3(+879297)	N/A
Chr14	86310662	86310219	Chr14.76878	Diaph3(+830973)	N/A
Chr14	8214753	8214861	Chr14.769	Kctd6(+305)	N/A
Chr14	86320942	86321233	Chr14.76905	Diaph3(+820026)	N/A
Chr14	86327644	86327798	Chr14.76924	Diaph3(+813393)	N/A
Chr14	7864277	7864400	Chr14.77	Finb(+46392),Dnase113(+130234)	N/A
Chr14	86360712	86360844	Chr14.77006	Diaph3(+780336)	N/A
Chr14	86396052	86396377	Chr14.77048	Diaph3(+744899)	N/A
Chr14	86431456	86431729	Chr14.77095	Diaph3(+709521)	N/A
Chr14	86432180	86432455	Chr14.77100	Diaph3(+708796)	N/A
Chr14	86448394	86448594	Chr14.77154	Diaph3(+692620)	N/A
Chr14	86468000	86468160	Chr14.77184	Diaph3(+673034)	N/A
Chr14	86468285	86468408	Chr14.77187	Diaph3(+672767)	N/A
Chr14	86468437	86468550	Chr14.77190	Diaph3(+672620)	N/A
Chr14	86470566	86470704	Chr14.77199	Diaph3(+670479)	N/A
Chr14	8215962	8216118	Chr14.772	Kctd6(-1538),Acox2(+43313)	N/A
Chr14	86489540	86489620	Chr14.77228	Diaph3(+651384)	N/A
Chr14	86684609	86685105	Chr14.77550	Diaph3(+456257)	N/A
Chr14	86748522	86749355	Chr14.77630	Diaph3(+392175)	N/A
Chr14	8218872	8219092	Chr14.779	Kctd6(-4480),Acox2(+40371)	N/A
Chr14	14632728	14632845	Chr14.7792	Slc4a7(-70238),Olf72-ps1(+225563)	N/A
Chr14	87063867	87063985	Chr14.77998	Diaph3(+77188)	N/A
Chr14	8219138	8219350	Chr14.780	Kctd6(+1742),Acox2(+40109)	N/A
Chr14	87261914	87262095	Chr14.78201	Tdrd3(-15454),Diaph3(-120891)	N/A
Chr14	14718669	14717885	Chr14.7824	Nek10(-102088),Slc4a7(+15702)	N/A
Chr14	87306032	87306368	Chr14.78281	Diaph3(-165086),Tdrd3(-110439)	N/A
Chr14	87519765	87520000	Chr14.78431	Tdrd3(-103244),Rps3a2(+603950)	N/A
Chr14	89357144	89357333	Chr14.79330	Pcdh20(-885943),Gm10110(+541227)	N/A
Chr14	89357380	89357702	Chr14.79332	Pcdh20(-886150),Gm10110(+540529)	N/A
Chr14	89448061	89448350	Chr14.79376	Pcdh20(-976810),Gm10110(+450260)	N/A

Chr14	90889829	90890036	Chr14.79644	Gm10110(-991467)	N/A
Chr14	7864469	7864647	Chr14.80	Flnb(+46601),Dnase113(+130015)	N/A
Chr14	91326716	91326831	Chr14.80012	None	N/A
Chr14	91333505	91333832	Chr14.80019	None	N/A
Chr14	92907702	92907801	Chr14.80716	Pcdh9(+980980)	N/A
Chr14	93062006	93062263	Chr14.80824	Pcdh9(+826597)	N/A
Chr14	93063060	93063189	Chr14.80829	Pcdh9(+825607)	N/A
Chr14	93066882	93067807	Chr14.80838	Pcdh9(+821387)	N/A
Chr14	15062763	15062921	Chr14.8108	Nek10(+242027),Lrrc3b(+376145)	N/A
Chr14	93269094	93269353	Chr14.81176	Pcdh9(+612508)	N/A
Chr14	93288571	93288687	Chr14.81204	Pcdh9(+600103)	N/A
Chr14	93288860	93288966	Chr14.81207	Pcdh9(+599819)	N/A
Chr14	93349242	93349457	Chr14.81293	Pcdh9(+539382)	N/A
Chr14	93395425	93395586	Chr14.81346	Pcdh9(+493238)	N/A
Chr14	93499040	93499461	Chr14.81540	Pcdh9(+389491)	N/A
Chr14	93734407	93734529	Chr14.81946	Pcdh9(+154264)	N/A
Chr14	93734570	93734673	Chr14.81948	Pcdh9(+154110)	N/A
Chr14	15358707	15358824	Chr14.8195	Lrrc3b(+80221),Nek10(+537951)	N/A
Chr14	93889265	93889606	Chr14.82278	Pcdh9(+704)	N/A
Chr14	93898983	93899377	Chr14.82288	Pcdh9(+1398)	N/A
Chr14	93904663	93905090	Chr14.82292	Pcdh9(+1789)	N/A
Chr14	93909063	93909029	Chr14.82295	Pcdh9(+2079)	N/A
Chr14	94898767	94898968	Chr14.82837	Sperl(-982398)	N/A
Chr14	95357039	95357293	Chr14.82905	Sperl(-524100)	N/A
Chr14	15663291	15663391	Chr14.8373	Ngly1(-585939),Lrrc3b(-224354)	N/A
Chr14	97511347	97511498	Chr14.83909	Klf11(-992321),Dach1(+658120)	N/A
Chr14	97559643	97559850	Chr14.83935	Dach1(+609796)	N/A
Chr14	97960288	97960703	Chr14.84422	Dach1(+209047)	N/A
Chr14	97960738	97961112	Chr14.84423	Dach1(+208618)	N/A
Chr14	97981245	97981351	Chr14.84468	Dach1(+188245)	N/A
Chr14	97982887	97983178	Chr14.84471	Dach1(+188510)	N/A
Chr14	98022455	98022621	Chr14.84513	Dach1(+147005)	N/A
Chr14	98065387	98065498	Chr14.84577	Dach1(+104100)	N/A
Chr14	98071962	98072127	Chr14.84601	Dach1(+97498)	N/A
Chr14	98080154	98080345	Chr14.84619	Dach1(+89293)	N/A
Chr14	98095276	98095606	Chr14.84648	Dach1(+74102)	N/A
Chr14	98104335	98104789	Chr14.84676	Dach1(+64981)	N/A
Chr14	98105343	98106029	Chr14.84681	Dach1(+43857)	N/A
Chr14	98108061	98108709	Chr14.84686	Dach1(+61158)	N/A
Chr14	98108791	98109089	Chr14.84690	Dach1(+60603)	N/A
Chr14	98137991	98138182	Chr14.84755	Dach1(+31456)	N/A
Chr14	98169715	98169816	Chr14.84845	Dach1(-223)	N/A
Chr14	98172212	98172616	Chr14.84864	Dach1(-2871)	N/A
Chr14	98174213	98174459	Chr14.84878	Dach1(-4793)	N/A
Chr14	98471840	98472222	Chr14.85157	Dach1(-302488),Mzf1(+574105)	N/A
Chr14	98626671	98626926	Chr14.85368	Dach1(-457256),Mzf1(+419373)	N/A
Chr14	98651730	98651895	Chr14.85426	Dach1(-482720),Mzf1(-394323)	N/A
Chr14	98702877	98702933	Chr14.85478	Dach1(-533262),Mzf1(-343331)	N/A
Chr14	98972120	98972247	Chr14.85890	Dach1(-802641),Mzf1(+73952)	N/A
Chr14	99046235	99046423	Chr14.85962	Mzf1(-193),Bora(-98)	N/A
Chr14	99099085	99099217	Chr14.86064	Pibf1(-282),Dis3(+619)	N/A
Chr14	99176647	99176781	Chr14.86123	Klf5(-121977),Dis3(-76944)	N/A
Chr14	99192322	99192465	Chr14.86137	Klf5(-106297),Dis3(-92624)	N/A
Chr14	99296265	99296432	Chr14.86218	Klf5(-2342)	N/A
Chr14	99297427	99297612	Chr14.86223	Klf5(-1171)	N/A
Chr14	99298098	99298578	Chr14.86229	Klf5(-353)	N/A
Chr14	99299749	99299867	Chr14.86239	Klf5(+1117),Klf12(+849956)	N/A
Chr14	99300533	99300800	Chr14.86244	Klf5(+1976),Klf12(+849097)	N/A
Chr14	99303593	99303719	Chr14.86261	Klf5(+8498),Klf12(+846129)	N/A
Chr14	99304368	99304687	Chr14.86267	Klf5(+8827),Klf12(+845246)	N/A
Chr14	99339640	99339777	Chr14.86345	Klf5(+41018),Klf12(+810055)	N/A
Chr14	99366506	99366720	Chr14.86377	Klf5(+67922),Klf12(+783151)	N/A
Chr14	99367141	99367307	Chr14.86383	Klf5(+68533),Klf12(+782540)	N/A
Chr14	99391807	99392062	Chr14.86399	Klf5(+93241),Klf12(+757829)	N/A
Chr14	99411229	99411278	Chr14.86465	Klf5(+142512),Klf12(+708561)	N/A
Chr14	99480424	99480911	Chr14.86512	Klf5(+181977),Klf12(+669096)	N/A
Chr14	99480976	99481176	Chr14.86518	Klf5(+182385),Klf12(+666688)	N/A
Chr14	16328399	16328810	Chr14.8666	Oxsm(-78797),Top2b(-36574)	N/A
Chr14	99576178	99576386	Chr14.86671	Klf5(+277581),Klf12(+573492)	N/A
Chr14	99577599	99577705	Chr14.86679	Klf5(+278961),Klf12(+572112)	N/A
Chr14	99578636	99579081	Chr14.86684	Klf5(+285158),Klf12(+570905)	N/A
Chr14	99579232	99579758	Chr14.86693	Klf5(+280804),Klf12(+570269)	N/A
Chr14	99580499	99580703	Chr14.86702	Klf5(+281910),Klf12(+569163)	N/A
Chr14	99584074	99584338	Chr14.86709	Klf5(+285515),Klf12(+565558)	N/A
Chr14	99584446	99584664	Chr14.86712	Klf5(+285864),Klf12(+565209)	N/A
Chr14	99603598	99604052	Chr14.86723	Klf5(+305134),Klf12(+549399)	N/A
Chr14	99605292	99605607	Chr14.86733	Klf5(+306759),Klf12(+544314)	N/A
Chr14	99605640	99606046	Chr14.86737	Klf5(+307152),Klf12(+543921)	N/A
Chr14	16363912	16364155	Chr14.8677	Top2b(-1145)	N/A
Chr14	99641498	99641656	Chr14.86784	Klf5(+342886),Klf12(+508187)	N/A
Chr14	99645483	99645785	Chr14.86799	Klf5(+346943),Klf12(+504130)	N/A
Chr14	16365013	16365116	Chr14.86887	Top2b(-114)	N/A
Chr14	99714296	99714450	Chr14.86907	Klf5(+415682),Klf12(+435391)	N/A
Chr14	99746940	99747223	Chr14.86933	Klf12(+402682),Klf5(+448391)	N/A
Chr14	99748303	99748451	Chr14.86941	Klf12(+401387),Klf5(+449686)	N/A
Chr14	99758067	99758226	Chr14.86954	Klf12(+391602),Klf5(+459471)	N/A
Chr14	99874464	99874682	Chr14.87120	Klf12(+275191),Klf5(+575882)	N/A
Chr14	99885016	99885693	Chr14.87138	Klf12(+264409),Klf5(+586664)	N/A
Chr14	99904531	99904899	Chr14.87158	Klf12(+245049),Klf5(+606024)	N/A
Chr14	99930138	99930331	Chr14.87188	Klf12(+219529),Klf5(+631544)	N/A
Chr14	99932125	99932326	Chr14.87192	Klf12(+217538),Klf5(+633535)	N/A
Chr14	99943288	99943478	Chr14.87214	Klf12(+206381),Klf5(+644692)	N/A
Chr14	99944239	99944515	Chr14.87216	Klf12(+205387),Klf5(+645686)	N/A
Chr14	99944631	99944730	Chr14.87221	Klf12(+205083),Klf5(+645990)	N/A
Chr14	100111974	100112201	Chr14.87366	Klf12(+37676),Klf5(+813397)	N/A
Chr14	100207098	100207338	Chr14.87445	Klf12(-57454),Pr30(+992851)	N/A
Chr14	100207511	100207642	Chr14.87451	Klf12(-57813),Pr30(+992492)	N/A
Chr14	100211145	100211288	Chr14.87458	Klf12(-61453),Pr30(+988852)	N/A
Chr14	10026049	100260757	Chr14.87483	Klf12(-110839),Pr30(+939266)	N/A
Chr14	100281915	100282018	Chr14.87492	Klf12(-132203),Pr30(+918102)	N/A
Chr14	100282667	100283491	Chr14.87497	Klf12(-133315),Pr30(+916990)	N/A
Chr14	100283528	100283724	Chr14.87506	Klf12(-133862),Pr30(+916443)	N/A
Chr14	100283863	100283969	Chr14.87508	Klf12(-134147),Pr30(+916158)	N/A
Chr14	100284039	100284274	Chr14.87509	Klf12(-134939),Pr30(+915912)	N/A
Chr14	100284789	100284967	Chr14.87515	Klf12(-135114),Pr30(+915191)	N/A
Chr14	100298976	100299093	Chr14.87527	Klf12(-149271),Pr30(+901034)	N/A
Chr14	100353170	100353446	Chr14.87592	Klf12(-203544),Pr30(+846781)	N/A
Chr14	100366376	100366880	Chr14.87605	Klf12(-216764),Pr30(+833541)	N/A
Chr14	100397256	100397437	Chr14.87632	Klf12(-247883),Pr30(+802722)	N/A
Chr14	100458231	100458442	Chr14.87706	Klf12(-208573),Pr30(+741732)	N/A
Chr14	100458722	100458967	Chr14.87715	Klf12(-309081),Pr30(+741224)	N/A
Chr14	100459031	100459365	Chr14.87716	Klf12(-309434),Pr30(+740871)	N/A
Chr14	100459417	100459639	Chr14.87719	Klf12(-309764),Pr30(+740541)	N/A
Chr14	100461159	100461292	Chr14.87730	Klf12(-311462),Pr30(+738643)	N/A
Chr14	100461452	100461732	Chr14.87735	Klf12(-311828),Pr30(+738477)	N/A
Chr14	100477355	100477835	Chr14.87752	Klf12(-327831),Pr30(+722474)	N/A
Chr14	16431523	16431630	Chr14.8781	Top2b(+66398),Rarb(+143895)	N/A
Chr14	100618971	100619106	Chr14.87888	Klf12(-469275),Pr30(+581030)	N/A
Chr14	100619398	100619628	Chr14.87890	Klf12(-469749),Pr30(+580556)	N/A
Chr14	16439710	16439844	Chr14.8797	Top2b(+74588),Rarb(+135695)	N/A
Chr14	100715107	100715259	Chr14.87981	Klf12(-565419),Pr30(+846889)	N/A
Chr14	100750271	100750400	Chr14.88016	Klf12(-600572),Pr30(+449733)	N/A
Chr14	100750944	100751195	Chr14.88019	Klf12(-601306),Pr30(+448999)	N/A
Chr14	100889495	100890152	Chr14.88104	Klf12(-740285),Pr30(+310020)	N/A
Chr14	100891551	100891653	Chr14.88108	Klf12(-741838),Pr30(+308467)	N/A
Chr14	100899268	100899268	Chr14.88113	Klf12(-749399),Pr30(+300906)	N/A
Chr14	100899309	100899702	Chr14.88117	Klf12(-749742),Pr30(+300563)	N/A
Chr14	100899791	100899904	Chr14.88124	Klf12(-750084),Pr30(+300221)	N/A
Chr14	100900333	100900441	Chr14.88127	Klf12(-750623),Pr30(+299682)	N/A
Chr14	100905020	100905192	Chr14.88173	Klf12(-800862),Pr30(+249343)	N/A
Chr14	101055543	101055654	Chr14.88269	Klf12(-805833),Pr30(+144470)	N/A
Chr14	101055950	101056135	Chr14.88271	Klf12(-808278),Pr30(+144026)	N/A
Chr14	101139738	101140179	Chr14.88328	Klf12(-990195),Pr30(+60110)	N/A
Chr14	101205183	101205366	Chr14.88365	Pr30(-5206),Tbc1d4(+403758)	N/A
Chr14	16497492	16497700	Chr14.8844	Rarb(+77876),Top2b(+132417)	N/A
Chr14	101351839	101351986	Chr14.88490	Pr30(-151834),Tbc1d4(+257130)	N/A
Chr14	101352181	101352678	Chr14.88493	Pr30(-152366),Tbc1d4(+256599)	N/A
Chr14	101353085	101353235	Chr14.88502	Pr30(-153081),Tbc1d4(+255583)	N/A

Chr14	101370709	101370815	Chr14.88507	Pr30(-170693),Tbc1d4(+238271)	N/A
Chr14	101377962	101378148	Chr14.88518	Pr30(-177986),Tbc1d4(+230978)	N/A
Chr14	101379210	101379444	Chr14.88522	Pr30(-179258),Tbc1d4(+229706)	N/A
Chr14	16510635	16510787	Chr14.8865	Rarb(+64761),Top2b(+145532)	N/A
Chr14	16516005	16516161	Chr14.8872	Rarb(+59389),Top2b(+150904)	N/A
Chr14	101654591	101654742	Chr14.88764	Uchl3(+700)	N/A
Chr14	101746588	101746928	Chr14.88838	Lmo7(+16801)	N/A
Chr14	101783780	101783972	Chr14.88867	Lmo7(+53919)	N/A
Chr14	101840224	101840624	Chr14.88913	Lmo7(+110467)	N/A
Chr14	101964664	101964831	Chr14.89208	Lmo7(+524791)	N/A
Chr14	102030957	102031223	Chr14.89227	Lmo7(+301133)	N/A
Chr14	16534947	16535225	Chr14.8931	Rarb(+40386),Top2b(+169907)	N/A
Chr14	102308024	102308261	Chr14.89400	Acod1(-738834),Lmo7(+578186)	N/A
Chr14	102403551	102403761	Chr14.89436	Acod1(-643321),Lmo7(+673699)	N/A
Chr14	102403809	102403925	Chr14.89440	Acod1(-643110),Lmo7(+673910)	N/A
Chr14	16547784	16547902	Chr14.8947	Rarb(+27629),Top2b(+182664)	N/A
Chr14	102512091	102512285	Chr14.89489	Acod1(-534789),Lmo7(+782231)	N/A
Chr14	102516563	102516933	Chr14.89504	Acod1(-530229),Lmo7(+786791)	N/A
Chr14	102742251	102742358	Chr14.89614	Acod1(-304672)	N/A
Chr14	16552894	16553076	Chr14.8962	Rarb(+22467),Top2b(+187806)	N/A
Chr14	16554383	16554538	Chr14.8967	Rarb(+21071),Top2b(+189282)	N/A
Chr14	16554726	16554918	Chr14.8969	Rarb(+20650),Top2b(+189643)	N/A
Chr14	102855311	102855549	Chr14.89694	Acod1(-191547)	N/A
Chr14	102859815	102860016	Chr14.89706	Acod1(-187061)	N/A
Chr14	16554957	16555127	Chr14.8972	Rarb(+20430),Top2b(+189863)	N/A
Chr14	102903398	102903201	Chr14.89758	Acod1(-143632)	N/A
Chr14	102979396	102979783	Chr14.89855	Acod1(-67402)	N/A
Chr14	16563249	16563423	Chr14.8995	Rarb(+12136),Top2b(+198157)	N/A
Chr14	16569707	16569843	Chr14.9016	Rarb(+5697),Top2b(+204596)	N/A
Chr14	16571615	16571876	Chr14.9025	Rarb(+3726),Top2b(+206567)	N/A
Chr14	103345093	103345256	Chr14.90269	Fbxl3(-245622),Myctbp2(+1624)	N/A
Chr14	103349583	103349694	Chr14.90281	Myctbp2(-2639)	N/A
Chr14	16572517	16572631	Chr14.9035	Rarb(+2898),Top2b(+207395)	N/A
Chr14	16572915	16573233	Chr14.9039	Rarb(+2398),Top2b(+207895)	N/A
Chr14	103556719	103556880	Chr14.90442	Slain1(-93428),Scel(+43459)	N/A
Chr14	16573752	16574070	Chr14.9045	Rarb(+1561),Top2b(+208732)	N/A
Chr14	103571805	103571952	Chr14.90471	Slain1(-78349),Scel(+58538)	N/A
Chr14	16574136	16574418	Chr14.9051	Rarb(+1195),Top2b(+209098)	N/A
Chr14	103611801	103611942	Chr14.90550	Slain1(-38356),Scel(+98531)	N/A
Chr14	103664506	103664690	Chr14.90589	Slain1(+14370),Ednrb(+179098)	N/A
Chr14	16575000	16575637	Chr14.9059	Rarb(+153)	N/A
Chr14	103765062	103765196	Chr14.90689	Ednrb(+78567),Slain1(+114901)	N/A
Chr14	103778014	103778206	Chr14.90697	Ednrb(+65536),Slain1(+127932)	N/A
Chr14	103784910	103785022	Chr14.90704	Ednrb(+58730),Slain1(+134738)	N/A
Chr14	103785072	103785173	Chr14.90705	Ednrb(+58573),Slain1(+134895)	N/A
Chr14	103800933	103801110	Chr14.90717	Ednrb(+42674),Slain1(+150794)	N/A
Chr14	103815596	103815859	Chr14.90725	Ednrb(+27968),Slain1(+165500)	N/A
Chr14	103844332	103844461	Chr14.90796	Ednrb(-701)	N/A
Chr14	103899192	103899542	Chr14.90831	Ednrb(+55671),Pou4f1(+568624)	N/A
Chr14	103899684	103899814	Chr14.90836	Ednrb(+56053),Pou4f1(+568824)	N/A
Chr14	103919482	103919607	Chr14.90851	Ednrb(-75849),Pou4f1(+548446)	N/A
Chr14	103939921	103940124	Chr14.90863	Ednrb(+96327),Pou4f1(+527968)	N/A
Chr14	103948104	103948275	Chr14.90870	Ednrb(-104949),Pou4f1(+519801)	N/A
Chr14	104190440	104190642	Chr14.91092	Ednrb(+34845),Pou4f1(+277450)	N/A
Chr14	16597811	16597981	Chr14.9111	Rarb(-22424)	N/A
Chr14	16598487	16598618	Chr14.9114	Rarb(-23081)	N/A
Chr14	16603156	16603496	Chr14.9119	Rarb(-27854)	N/A
Chr14	104407037	104407245	Chr14.91424	Ednrb(-863445),Pou4f1(+60850)	N/A
Chr14	104464077	104464578	Chr14.91586	Ednrb(-620797),Pou4f1(+3498)	N/A
Chr14	104467969	104468125	Chr14.91607	Pou4f1(-56)	N/A
Chr14	104468193	104468305	Chr14.91608	Pou4f1(-258)	N/A
Chr14	104471022	104471137	Chr14.91626	Pou4f1(-3089)	N/A
Chr14	104474640	104474878	Chr14.91633	Pou4f1(-6768),Rnf219(+47907)	N/A
Chr14	8309758	8309929	Chr14.918	Rarb(-1074(-67)	N/A
Chr14	16714338	16714627	Chr14.9193	Rarb(-139011)	N/A
Chr14	104697350	104697514	Chr14.91991	Rnf219(-174766),Rbm26(+479891)	N/A
Chr14	16729112	16729251	Chr14.9203	Rarb(-153710)	N/A
Chr14	16733481	16733871	Chr14.9210	Rarb(-158204)	N/A
Chr14	104785218	104785381	Chr14.92108	Rnf219(-262634),Rbm26(+392023)	N/A
Chr14	105177183	105177366	Chr14.92631	Rbm26(+47)	N/A
Chr14	105328614	105329008	Chr14.92721	4930449e01rk(-170027),Ndfip2(+70188)	N/A
Chr14	105333469	105333997	Chr14.92727	4930449e01rk(-165055),Ndfip2(+75160)	N/A
Chr14	105348994	105349450	Chr14.92736	4930449e01rk(-149566),Ndfip2(+90649)	N/A
Chr14	105369954	105370076	Chr14.92754	4930449e01rk(-128773),Ndfip2(+111442)	N/A
Chr14	105382484	105382666	Chr14.92770	4930449e01rk(-116213),Ndfip2(+124002)	N/A
Chr14	105391607	105391746	Chr14.92776	4930449e01rk(-107111),Ndfip2(+131049)	N/A
Chr14	105428919	105427203	Chr14.92820	4930449e01rk(-71727),Ndfip2(+168488)	N/A
Chr14	105427539	105427737	Chr14.92827	4930449e01rk(-71150),Ndfip2(+169065)	N/A
Chr14	105427770	105427918	Chr14.92831	4930449e01rk(-70944),Ndfip2(+169271)	N/A
Chr14	105427956	105428155	Chr14.92833	4930449e01rk(-70732),Ndfip2(+169483)	N/A
Chr14	105432850	105432990	Chr14.92839	4930449e01rk(-65868),Ndfip2(+174547)	N/A
Chr14	105448984	105449354	Chr14.92856	4930449e01rk(-49519),Ndfip2(+169596)	N/A
Chr14	105480485	105480711	Chr14.92889	4930449e01rk(-18190),Ndfip2(+222025)	N/A
Chr14	16818718	16818871	Chr14.9290	Rarb(-243323)	N/A
Chr14	105494569	105494757	Chr14.92911	4930449e01rk(-4125)	N/A
Chr14	105498427	105498627	Chr14.92925	4930449e01rk(-311)	N/A
Chr14	105499518	105499840	Chr14.92929	4930449e01rk(-891)	N/A
Chr14	105505444	105505633	Chr14.92942	Gm10076(-176289),4930449e01rk(+6751)	N/A
Chr14	105505818	105506050	Chr14.92946	Gm10076(-175894),4930449e01rk(+7146)	N/A
Chr14	105513525	105513639	Chr14.92956	Gm10076(-168246),4930449e01rk(+14794)	N/A
Chr14	105518073	105518179	Chr14.92966	Gm10076(-163702),4930449e01rk(+19338)	N/A
Chr14	16822606	16822804	Chr14.9297	Rarb(-247233)	N/A
Chr14	105518306	105518547	Chr14.92970	Gm10076(-163401),4930449e01rk(+19639)	N/A
Chr14	105532342	105532725	Chr14.92987	Gm10076(-149294),4930449e01rk(+33746)	N/A
Chr14	16823024	16823155	Chr14.9300	Rarb(-247618)	N/A
Chr14	105542860	105543071	Chr14.93004	Gm10076(-138862),4930449e01rk(+44178)	N/A
Chr14	16841154	16841344	Chr14.9303	Rarb(-26577)	N/A
Chr14	105566225	105566363	Chr14.93031	Gm10076(-115534),4930449e01rk(+67506)	N/A
Chr14	105578785	105588119	Chr14.93068	Gm10076(-93826),4930449e01rk(+89214)	N/A
Chr14	105588206	105588464	Chr14.93070	Gm10076(-93493),4930449e01rk(+89547)	N/A
Chr14	105588639	105588900	Chr14.93072	Gm10076(-93058),4930449e01rk(+89982)	N/A
Chr14	105589932	105589279	Chr14.93073	Gm10076(-92722),4930449e01rk(+90318)	N/A
Chr14	105589856	105590116	Chr14.93078	Gm10076(-91842),4930449e01rk(+91198)	N/A
Chr14	16841619	16841929	Chr14.9309	Rarb(-265632)	N/A
Chr14	105621197	105621374	Chr14.93097	Gm10076(-60542),4930449e01rk(+122498)	N/A
Chr14	105621847	105621985	Chr14.93106	Gm10076(-59912),4930449e01rk(+123128)	N/A
Chr14	105643360	105643485	Chr14.93136	Gm10076(-38405),4930449e01rk(+144635)	N/A
Chr14	105645651	105665189	Chr14.93162	Gm10076(-16954),4930449e01rk(+166086)	N/A
Chr14	105676542	105677069	Chr14.93185	Gm10076(-5022),4930449e01rk(+178018)	N/A
Chr14	105694999	105685126	Chr14.93189	Gm10076(-3186),Spry2(+211906)	N/A
Chr14	105698322	105698462	Chr14.93201	Gm10076(+16564),Spry2(+198427)	N/A
Chr14	105698691	105698969	Chr14.93205	Gm10076(+17002),Spry2(+197989)	N/A
Chr14	105732226	105732342	Chr14.93250	Gm10076(+50456),Spry2(+164535)	N/A
Chr14	105732374	105732798	Chr14.93251	Gm10076(+50758),Spry2(+164233)	N/A
Chr14	105733238	105733383	Chr14.93256	Gm10076(+51578),Spry2(+16513)	N/A
Chr14	105733418	105733665	Chr14.93257	Gm10076(+51714),Spry2(+163277)	N/A
Chr14	105744249	105744382	Chr14.93267	Gm10076(+62488),Spry2(+152503)	N/A
Chr14	16847359	16847728	Chr14.9328	Rarb(-272072)	N/A
Chr14	105799660	105799660	Chr14.93294	Spry2(+97314),Gm10076(+117677)	N/A
Chr14	105800322	105800511	Chr14.93299	Spry2(+96402),Gm10076(+116589)	N/A
Chr14	105829321	105829452	Chr14.93322	Spry2(+67432),Gm10076(+147559)	N/A
Chr14	105851442	105851658	Chr14.93332	Spry2(+45269),Gm10076(+169722)	N/A
Chr14	105890975	105891100	Chr14.93357	Spry2(+5781),Gm10076(+209210)	N/A
Chr14	105895667	105896714	Chr14.93400	Spry2(+178)	N/A
Chr14	105897261	105897481	Chr14.93404	Spry2(-552)	N/A
Chr14	105898030	105898030	Chr14.93406	Spry2(+138)	N/A
Chr14	105920183	105920724	Chr14.93422	Spry2(-23635),Gm4775(+180703)	N/A
Chr14	105920845	105921293	Chr14.93431	Spry2(-24250),Gm4775(+180088)	N/A
Chr14	105923123	105923314	Chr14.93441	Spry2(-26400),Gm4775(+177938)	N/A
Chr14	106120117	106120264	Chr14.93541	Trim52(+13993)	N/A
Chr14	106152549	106152740	Chr14.93549	Trim52(+46451)	N/A
Chr14	106152791	106152910	Chr14.93553	Trim52(+46653)	N/A
Chr14	106200135	106200252	Chr14.93594	Trim52(+93996)	N/A
Chr14	106230077	106230314	Chr14.93621	Trim52(+123998)	N/A
Chr14	106230458	106230645	Chr14.93626	Trim52(+124354)	N/A
Chr14	106267681	106268035	Chr14.93654	Trim52(+181660)	N/A
Chr14	16881425	16881583	Chr14.9367	Rarb(-306032)	N/A
Chr14	106313927	106314647	Chr14.93680	Trim52(+208089)	N/A

Chr14	106364888	106365109	Chr14.93695	Trim52(+258801)	N/A
Chr14	106365667	106366036	Chr14.93698	Trim52(+259654)	N/A
Chr14	106413151	106413466	Chr14.93735	Trim52(+307111)	N/A
Chr14	106603664	106603675	Chr14.93833	Trim52(+502322)	N/A
Chr14	106608752	106608942	Chr14.93837	Trim52(+502649)	N/A
Chr14	16894027	16894154	Chr14.9386	Rarb(-318619)	N/A
Chr14	16898733	16898833	Chr14.9397	Rarb(-323311)	N/A
Chr14	107009442	107009637	Chr14.94015	Trim52(+903342)	N/A
Chr14	108910696	108910852	Chr14.94497	Silrk1(-3485)	N/A
Chr14	108913691	108913961	Chr14.94515	Silrk1(+113)	N/A
Chr14	108914192	108914444	Chr14.94518	Silrk1(-79)	N/A
Chr14	16957460	16957593	Chr14.9462	Rarb(-382055)	N/A
Chr14	16957967	16958135	Chr14.9466	Rarb(-382579)	N/A
Chr14	16962683	16962693	Chr14.9470	Rarb(-387316)	N/A
Chr14	16962634	16963362	Chr14.9472	Rarb(-387676)	N/A
Chr14	16965062	16965375	Chr14.9477	Rarb(-389747)	N/A
Chr14	16968902	16969009	Chr14.9482	Rarb(-393484)	N/A
Chr14	110078407	110078656	Chr14.94866	Silrk6(+676617)	N/A
Chr14	110100989	110101302	Chr14.94871	Silrk6(+654003)	N/A
Chr14	11069001	110695208	Chr14.94928	Silrk6(-286044)	N/A
Chr14	110472842	110473031	Chr14.94939	Silrk6(-282212)	N/A
Chr14	110545294	110545508	Chr14.94970	Silrk6(+209748)	N/A
Chr14	110754365	110754470	Chr14.95077	Silrk6(+731)	N/A
Chr14	110754860	110755280	Chr14.95083	Silrk6(+79)	N/A
Chr14	111674840	111674960	Chr14.95280	Silrk5(-215)	N/A
Chr14	111676834	111676937	Chr14.95297	Silrk5(+1771)	N/A
Chr14	111677809	111678094	Chr14.95308	Silrk5(-2637)	N/A
Chr14	111681883	111682070	Chr14.95360	Silrk5(+6862)	N/A
Chr14	113652152	113652258	Chr14.95679	Tpm3-s7(+337597)	N/A
Chr14	114567895	114568062	Chr14.96208	Gpc5(-524647)	N/A
Chr14	114797186	114797407	Chr14.96309	Gpc5(-295329)	N/A
Chr14	114826630	114826883	Chr14.96399	Gpc5(-265869)	N/A
Chr14	114828969	114829182	Chr14.96405	Gpc5(-263550)	N/A
Chr14	114829501	114829706	Chr14.96412	Gpc5(-263022)	N/A
Chr14	114837720	114838196	Chr14.96425	Gpc5(-254668)	N/A
Chr14	114841729	114841831	Chr14.96433	Gpc5(-250846)	N/A
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Chr14	114856374	114856697	Chr14.96456	Gpc5(-236090)	N/A
Chr14	114857053	114857237	Chr14.96459	Gpc5(-235481)	N/A
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Chr14	114877547	114877805	Chr14.96491	Gpc5(-214950)	N/A
Chr14	114878219	114878401	Chr14.96496	Gpc5(-214316)	N/A
Chr14	114879193	114879529	Chr14.96501	Gpc5(-213265)	N/A
Chr14	114887072	114887191	Chr14.96513	Gpc5(-205494)	N/A
Chr14	114948761	114948874	Chr14.96565	Gpc5(-143808)	N/A
Chr14	115040866	115040984	Chr14.96638	Gpc5(-51701)	N/A
Chr14	115043605	115043782	Chr14.96652	Gpc5(-48932)	N/A
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Chr14	11712434	11712591	Chr14.9683	Thrb(-809131),Rarb(-597041)	N/A
Chr14	115414684	115414796	Chr14.96917	Gpc5(-322114)	N/A
Chr14	116008769	116008912	Chr14.97268	Gpc6(-916690),Gpc5(+916215)	N/A
Chr14	116193771	116193923	Chr14.97390	Gpc6(-731684)	N/A
Chr14	116349989	116349240	Chr14.97493	Gpc6(-576376)	N/A
Chr14	116561536	116561734	Chr14.97656	Gpc6(-363896)	N/A
Chr14	116916916	116917303	Chr14.97849	Gpc6(-8421)	N/A
Chr14	116925291	116925404	Chr14.97871	Gpc6(-183)	N/A
Chr14	116925682	116925815	Chr14.97875	Gpc6(+218)	N/A
Chr14	116928667	116928799	Chr14.97891	Gpc6(-3202)	N/A
Chr14	117008919	117009146	Chr14.98012	Gpc6(+453502)	N/A
Chr14	117041051	117041281	Chr14.98067	Gpc6(+115635)	N/A
Chr14	117053237	117053361	Chr14.98097	Gpc6(+127768),Dct(+998947)	N/A
Chr14	117313186	117313336	Chr14.98441	Gpc6(+387730),Dct(+738985)	N/A
Chr14	117343167	117343320	Chr14.98497	Gpc6(+417713),Dct(+709002)	N/A
Chr14	117659143	117659260	Chr14.9856	Thrb(-322442)	N/A
Chr14	117661182	117661294	Chr14.9858	Thrb(-320406)	N/A
Chr14	117426305	117426441	Chr14.98631	Gpc6(+500842),Dct(+625873)	N/A
Chr14	117663611	117663723	Chr14.9865	Thrb(-317977)	N/A
Chr14	117516294	117516433	Chr14.98787	Dct(+535882),Gpc6(+590833)	N/A
Chr14	117519873	117520040	Chr14.98798	Dct(+532289),Gpc6(+594426)	N/A
Chr14	117569231	117569689	Chr14.98887	Dct(+462636),Gpc6(+644070)	N/A
Chr14	117573790	117573895	Chr14.98895	Dct(+478403),Gpc6(+648312)	N/A
Chr14	117625082	117625317	Chr14.98952	Dct(+427046),Gpc6(+699669)	N/A
Chr14	117722748	117723057	Chr14.9900	Thrb(-258741)	N/A
Chr14	117681381	117681570	Chr14.99056	Dct(+370770),Gpc6(+755945)	N/A
Chr14	117733810	117733965	Chr14.9908	Thrb(-247756)	N/A
Chr14	117701010	117701170	Chr14.99092	Dct(+391156),Gpc6(+775559)	N/A
Chr14	117710804	117711016	Chr14.99114	Dct(+341336),Gpc6(+785379)	N/A
Chr14	117735391	117735568	Chr14.9915	Thrb(-246164)	N/A
Chr14	117783819	117783932	Chr14.99258	Dct(+268370),Gpc6(+858345)	N/A
Chr14	117810389	117810570	Chr14.99306	Dct(+241766),Gpc6(+864949)	N/A
Chr14	117813610	117813719	Chr14.99322	Dct(+236581),Gpc6(+880134)	N/A
Chr14	117841837	117841969	Chr14.99373	Dct(+210343),Gpc6(+916372)	N/A
Chr14	117752614	117752743	Chr14.9944	Thrb(-228965)	N/A
Chr14	117895278	117895391	Chr14.99477	Dct(+156911),Gpc6(+969804)	N/A
Chr14	117895662	117895768	Chr14.99481	Dct(+156532),Gpc6(+970183)	N/A
Chr14	117895992	117897435	Chr14.99494	Dct(+155032),Gpc6(+971683)	N/A
Chr14	117913038	117913138	Chr14.99516	Dct(+139158),Gpc6(+987557)	N/A
Chr14	117913168	117913358	Chr14.99517	Dct(+138983),Gpc6(+987732)	N/A
Chr14	117916673	117917021	Chr14.99521	Dct(+135399),Gpc6(+991316)	N/A
Chr14	117921416	117921565	Chr14.99531	Dct(+130755),Gpc6(+995960)	N/A
Chr14	117921603	117921822	Chr14.99534	Dct(+130533),Gpc6(+996182)	N/A
Chr14	117930167	117930383	Chr14.99549	Dct(+121971)	N/A
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Chr14	117931745	117931931	Chr14.99559	Dct(+120408)	N/A
Chr14	117938114	117938252	Chr14.99574	Dct(+114063)	N/A
Chr14	117938315	117938421	Chr14.99578	Dct(+113878)	N/A
Chr14	11811121	11811265	Chr14.99974	Thrb(-170451)	N/A
Chr14	118042642	118042753	Chr14.99768	Dct(+9548)	N/A
Chr14	118052172	118052310	Chr14.99807	Dct(+5)	N/A
Chr14	118052344	118052508	Chr14.99811	Dct(-180)	N/A
Chr14	118136917	118137041	Chr14.99862	Tgds(-4214),Gpr180(-148)	N/A
Chr14	11827456	11827658	Chr14.9990	Thrb(-154087)	N/A
Chr14	118180273	118180454	Chr14.99924	Gpr180(+43237),Sax2(+56666)	N/A
Chr14	118180580	118180802	Chr14.99926	Gpr180(+43564),Sax2(+56330)	N/A
Chr14	118180859	118180972	Chr14.99929	Gpr180(+43789),Sax2(+56114)	N/A
Chr15	13759517	13759783	Chr15.10223	Cdh6(-586011)	N/A
Chr15	16728668	16728973	Chr15.11144	Cdh9(-49280)	N/A
Chr15	117770203	117770438	Chr15.11423	Cdh9(+862220)	N/A
Chr15	18618256	18618768	Chr15.11757	Cdh10(-1657)	N/A
Chr15	18818923	18819033	Chr15.11761	Cdh10(-1351)	N/A
Chr15	18819767	18819931	Chr15.11767	Cdh10(-480)	N/A
Chr15	18820334	18820473	Chr15.11768	Cdh10(+75)	N/A
Chr15	18844904	18845091	Chr15.11802	Cdh10(+24669)	N/A
Chr15	19276241	19276547	Chr15.12099	Cdh10(-45806)	N/A
Chr15	2044903	20449030	Chr15.12339	Acat10(+217783)	N/A
Chr15	20449063	20449199	Chr15.12341	Acat10(+217619)	N/A
Chr15	21110094	21110241	Chr15.12721	Cdh12(-1284)	N/A
Chr15	21110984	21111107	Chr15.12726	Cdh12(-406)	N/A
Chr15	21111138	21111572	Chr15.12729	Cdh12(-97)	N/A
Chr15	21179760	21180012	Chr15.12799	Cdh12(-68434)	N/A
Chr15	22549074	22549226	Chr15.13264	Cdh18(-487313)	N/A
Chr15	23035835	23036052	Chr15.13441	Cdh18(-519)	N/A
Chr15	23036341	23036606	Chr15.13444	Cdh18(+11)	N/A
Chr15	24796357	24796592	Chr15.13907	9230109a22nk(+362684)	N/A
Chr15	24878133	24878262	Chr15.13945	9230109a22nk(+270949)	N/A
Chr15	25027192	25027443	Chr15.13993	9230109a22nk(+121841)	N/A
Chr15	25237854	25237983	Chr15.14078	9230109a22nk(-88760),Basp1(+175845)	N/A
Chr15	25284519	25284681	Chr15.14114	9230109a22nk(-135441),Basp1(+129164)	N/A
Chr15	25291420	25291535	Chr15.14120	9230109a22nk(-142319),Basp1(+122286)	N/A
Chr15	25406743	25406843	Chr15.14207	9230109a22nk(-259634),Basp1(+4971)	N/A
Chr15	5116591	5116725	Chr15.1421	Rp37(+45)	N/A
Chr15	25412136	25412310	Chr15.14214	9230109a22nk(-263064),Basp1(+1541)	N/A
Chr15	25492852	25493092	Chr15.14248	Myo10(-129553),Basp1(-79208)	N/A
Chr15	25580709	25580867	Chr15.14321	Basp1(-167024),Myo10(-41737)	N/A
Chr15	25623736	25623843	Chr15.14350	Retreg1(-219474),Myo10(+1265)	N/A
Chr15	25642462	25642595	Chr15.14359	Retreg1(-200725),Myo10(+20014)	N/A
Chr15	25662813	25662992	Chr15.14373	Retreg1(-180361),Myo10(+40378)	N/A

Chr15	25679143	25679423	Chr15.14384	<i>Retreg1(-163981),Myo10(+56758)</i>	N/A
Chr15	25683180	25683332	Chr15.14395	<i>Retreg1(-160008),Myo10(+60731)</i>	N/A
Chr15	25683375	25683482	Chr15.14398	<i>Retreg1(-159835),Myo10(+60904)</i>	N/A
Chr15	25690443	25690577	Chr15.14403	<i>Retreg1(-152754),Myo10(+67865)</i>	N/A
Chr15	5145101	5145226	Chr15.1444	<i>Tlc33(-40396),Pkcaa1(+1303)</i>	N/A
Chr15	25752698	25752875	Chr15.14497	<i>Retreg1(-90477),Myo10(+13062)</i>	N/A
Chr15	25753102	25753227	Chr15.14504	<i>Retreg1(-90099),Myo10(+130640)</i>	N/A
Chr15	25774004	25774259	Chr15.14523	<i>Retreg1(-69087),Myo10(+151652)</i>	N/A
Chr15	25904496	25904656	Chr15.14744	<i>Zfp622(-79740),Retreg1(+61312)</i>	N/A
Chr15	25924092	25924277	Chr15.14756	<i>Zfp622(-60181),Retreg1(+80921)</i>	N/A
Chr15	25940919	25941096	Chr15.14771	<i>Zfp622(-43358),Retreg1(+97744)</i>	N/A
Chr15	26519315	26519474	Chr15.15183	<i>March11(+210331),Fbxl7(+375654)</i>	N/A
Chr15	26519513	26519687	Chr15.15187	<i>March11(+210536),Fbxl7(+375449)</i>	N/A
Chr15	26533116	26533244	Chr15.15206	<i>March11(+224116),Fbxl7(+361869)</i>	N/A
Chr15	26624511	26624676	Chr15.15326	<i>Fbxl7(+270455),March11(+315530)</i>	N/A
Chr15	26654951	26655381	Chr15.15360	<i>Fbxl7(+239883),March11(+346102)</i>	N/A
Chr15	26712458	26712726	Chr15.15395	<i>Fbxl7(+182457),March11(+403528)</i>	N/A
Chr15	26755398	26755534	Chr15.15435	<i>Fbxl7(+139583),March11(+446402)</i>	N/A
Chr15	26799653	26799770	Chr15.15492	<i>Fbxl7(+95337),March11(+490648)</i>	N/A
Chr15	26809677	26809874	Chr15.15498	<i>Fbxl7(+85273),March11(+500712)</i>	N/A
Chr15	26858928	26859065	Chr15.15549	<i>Fbxl7(+36037),March11(+549048)</i>	N/A
Chr15	5240761	5240911	Chr15.1555	<i>Ptger4(+3351),Tlc33(+55276)</i>	N/A
Chr15	26887360	26887652	Chr15.15563	<i>Fbxl7(+7543),March11(+578442)</i>	N/A
Chr15	26893336	26893554	Chr15.15577	<i>Fbxl7(+1604),March11(+584381)</i>	N/A
Chr15	26894339	26894631	Chr15.15581	<i>Fbxl7(+611)</i>	N/A
Chr15	26895553	26895685	Chr15.15589	<i>Fbxl7(+570)</i>	N/A
Chr15	26954124	26954303	Chr15.15616	<i>Gm6576(-71172),Fbxl7(-59165)</i>	N/A
Chr15	26954366	26954494	Chr15.15617	<i>Gm6576(-70956),Fbxl7(-59381)</i>	N/A
Chr15	26984199	26984354	Chr15.15643	<i>Fbxl7(-89228),Gm6576(-41109)</i>	N/A
Chr15	27014489	27014588	Chr15.15653	<i>Fbxl7(-119490),Gm6576(-10847)</i>	N/A
Chr15	27020505	27020672	Chr15.15659	<i>Gm6576(-4797)</i>	N/A
Chr15	27076231	27076433	Chr15.15695	<i>Ank(-390345),Gm6576(+50946)</i>	N/A
Chr15	27089161	27089465	Chr15.15703	<i>Ank(-377364),Gm6576(+63927)</i>	N/A
Chr15	27094346	27094448	Chr15.15722	<i>Ank(-372280),Gm6576(+69011)</i>	N/A
Chr15	27178556	27178708	Chr15.15778	<i>Ank(-288045),Gm6576(+153246)</i>	N/A
Chr15	27216363	27216505	Chr15.15800	<i>Ank(-250243),Gm6576(+191048)</i>	N/A
Chr15	27259840	27259876	Chr15.15837	<i>Ank(-307669),Gm6576(+233622)</i>	N/A
Chr15	27361641	27361804	Chr15.15896	<i>Ank(-104954),Gm6576(+336337)</i>	N/A
Chr15	27405775	27405886	Chr15.15919	<i>Ank(-60846),Gm6576(+380445)</i>	N/A
Chr15	27506231	27506336	Chr15.15958	<i>Ank(+39607),Otlun(+124409)</i>	N/A
Chr15	27536961	27537146	Chr15.15994	<i>Ank(+70377),Otlun(+93639)</i>	N/A
Chr15	27581770	27581941	Chr15.16052	<i>Otlun(+48837),Ank(+115179)</i>	N/A
Chr15	27594915	27594934	Chr15.16084	<i>Otlun(+35818),Ank(+128199)</i>	N/A
Chr15	27683182	27683312	Chr15.16179	<i>Otlun(-1705)</i>	N/A
Chr15	27770504	27770651	Chr15.16269	<i>Otlun(-89036),Trio(+255270)</i>	N/A
Chr15	27770898	27771209	Chr15.16271	<i>Otlun(-89512),Trio(+254794)</i>	N/A
Chr15	27771313	27771518	Chr15.16275	<i>Otlun(-89874),Trio(+254432)</i>	N/A
Chr15	27788070	27788191	Chr15.16300	<i>Otlun(-106589),Trio(+237177)</i>	N/A
Chr15	27788357	27788524	Chr15.16311	<i>Otlun(-106899),Trio(+237407)</i>	N/A
Chr15	27788614	27788722	Chr15.16317	<i>Otlun(-107126),Trio(+237180)</i>	N/A
Chr15	27789393	27789636	Chr15.16320	<i>Otlun(-107973),Trio(+236333)</i>	N/A
Chr15	27793483	27793760	Chr15.16327	<i>Otlun(-112080),Trio(+232226)</i>	N/A
Chr15	27808872	27809046	Chr15.16338	<i>Otlun(-127418),Trio(+216888)</i>	N/A
Chr15	27815209	27815356	Chr15.16373	<i>Otlun(-133741),Trio(+216665)</i>	N/A
Chr15	27822093	27822202	Chr15.16386	<i>Otlun(-140606),Trio(+203700)</i>	N/A
Chr15	27941994	27942199	Chr15.16551	<i>Otlun(-260555),Trio(+83751)</i>	N/A
Chr15	27992180	27992327	Chr15.16567	<i>Otlun(-310712),Trio(+33594)</i>	N/A
Chr15	27997502	27997617	Chr15.16575	<i>Otlun(-316018),Trio(+28288)</i>	N/A
Chr15	28013060	28013225	Chr15.16588	<i>Otlun(-331601),Trio(+12705)</i>	N/A
Chr15	28021942	28022075	Chr15.16600	<i>Otlun(-340467),Trio(+3839)</i>	N/A
Chr15	28070982	28071081	Chr15.16624	<i>Dnah5(-132720),Trio(-45184)</i>	N/A
Chr15	30173502	30173632	Chr15.17610	<i>Ctnd2(+974)</i>	N/A
Chr15	30173733	30173996	Chr15.17612	<i>Ctnd2(+1272)</i>	N/A
Chr15	30457497	30457730	Chr15.17775	<i>Dap(-766771),Ctnd2(+285021)</i>	N/A
Chr15	30457878	30457991	Chr15.17780	<i>Dap(-766460),Ctnd2(-285342)</i>	N/A
Chr15	30693872	30694043	Chr15.17974	<i>Dap(-536427),Ctnd2(-521365)</i>	N/A
Chr15	5869433	5869533	Chr15.1823	<i>Ptger4(-625296),Dab2(-460073)</i>	N/A
Chr15	31173687	31173823	Chr15.18338	<i>Dap(-50630)</i>	N/A
Chr15	6056983	6057197	Chr15.1865	<i>Ptger4(-812903),Dab2(-272466)</i>	N/A
Chr15	31627398	31627514	Chr15.18690	<i>Tas2r119(-549833),Atpsckmt(+25338)</i>	N/A
Chr15	31854056	31855110	Chr15.18828	<i>Tas2r119(-322256),Atpsckmt(+252915)</i>	N/A
Chr15	31963936	31964108	Chr15.18883	<i>Tas2r119(-213267),Atpsckmt(+361904)</i>	N/A
Chr15	32093978	32094266	Chr15.18986	<i>Tas2r119(-83167),Atpsckmt(+492004)</i>	N/A
Chr15	32246068	32246200	Chr15.19077	<i>Sdc2(-674589),Sema5a(+1321)</i>	N/A
Chr15	32258041	32258143	Chr15.19103	<i>Sdc2(-662631),Sema5a(+13279)</i>	N/A
Chr15	32403465	32403590	Chr15.19199	<i>Sdc2(-917195),Sema5a(+158175)</i>	N/A
Chr15	32433411	32433521	Chr15.19223	<i>Sdc2(-487257),Sema5a(-188653)</i>	N/A
Chr15	6238088	6238336	Chr15.1926	<i>Ptger4(-994025),Dab2(-91344)</i>	N/A
Chr15	32484341	32484468	Chr15.19265	<i>Sdc2(-436318),Sema5a(+239592)</i>	N/A
Chr15	32920770	32920894	Chr15.19527	<i>Sdc2(+109)</i>	N/A
Chr15	6278862	6279008	Chr15.1953	<i>Dab2(-50621)</i>	N/A
Chr15	32944006	32944270	Chr15.19567	<i>Cpq(+136991),Sdc2(+23415)</i>	N/A
Chr15	6279330	6279488	Chr15.1957	<i>Dab2(-50147)</i>	N/A
Chr15	6280049	6280352	Chr15.1960	<i>Dab2(-49355)</i>	N/A
Chr15	33196772	33197127	Chr15.19703	<i>Cpq(+113821),Tspyl5(+490933)</i>	N/A
Chr15	33197661	33197771	Chr15.19711	<i>Cpq(+114587),Tspyl5(+490167)</i>	N/A
Chr15	33312629	33312816	Chr15.19840	<i>Cpq(+239594),Tspyl5(+375168)</i>	N/A
Chr15	33315187	33315332	Chr15.19842	<i>Cpq(+232131),Tspyl5(+372623)</i>	N/A
Chr15	33330408	33330570	Chr15.19856	<i>Cpq(+247360),Tspyl5(+357394)</i>	N/A
Chr15	3381556	3381657	Chr15.199	<i>Ccdc152(-78081),Ghr(+201623)</i>	N/A
Chr15	6303349	6303842	Chr15.1990	<i>Dab2(-25960)</i>	N/A
Chr15	33474725	33474895	Chr15.19984	<i>Tspyl5(-213073),Cpq(+391681)</i>	N/A
Chr15	33702343	33702507	Chr15.20198	<i>Mtdh(-360294),Tspyl5(-14542)</i>	N/A
Chr15	33924136	33924373	Chr15.20237	<i>Tspyl5(-236372),Mtdh(-158464)</i>	N/A
Chr15	34239567	34239701	Chr15.20366	<i>Matn2(-67047),Laptm4b(+1608)</i>	N/A
Chr15	34287317	34287463	Chr15.20390	<i>Matn2(-19291),Laptm4b(+49364)</i>	N/A
Chr15	6369815	6370159	Chr15.2045	<i>Dab2(-16611),Dab2(+40431)</i>	N/A
Chr15	63472848	63473204	Chr15.20471	<i>R30306807(R(-18655),Rpl30(+70564)</i>	N/A
Chr15	6370455	6370650	Chr15.2049	<i>Dab2(-16045),Dab2(+40997)</i>	N/A
Chr15	6375231	6375338	Chr15.2059	<i>Dab2(-11313),Dab2(+45729)</i>	N/A
Chr15	6384111	6384274	Chr15.2064	<i>Dab2(-2405)</i>	N/A
Chr15	6385342	6385517	Chr15.2068	<i>Dab2(-1168)</i>	N/A
Chr15	6386962	6386942	Chr15.2077	<i>Dab2(+214)</i>	N/A
Chr15	34577852	34578128	Chr15.20798	<i>Pop(+462666),Nlpa2(-100716)</i>	N/A
Chr15	34582885	34583270	Chr15.20812	<i>Pop1(+87774),Nlpa2(+95628)</i>	N/A
Chr15	6387386	6387583	Chr15.2082	<i>Dab2(+887)</i>	N/A
Chr15	34635702	34635853	Chr15.20869	<i>Nlpa2(+42928),Pop1(+140474)</i>	N/A
Chr15	6387662	6387835	Chr15.2088	<i>C9(-57578),Dab2(+1151)</i>	N/A
Chr15	34636718	34636926	Chr15.20880	<i>Nlpa2(+41919),Pop1(+141483)</i>	N/A
Chr15	34677351	34677430	Chr15.20915	<i>Nlpa2(-1325),Pop1(+182077)</i>	N/A
Chr15	6387934	6388044	Chr15.2092	<i>C9(-57338),Dab2(+1391)</i>	N/A
Chr15	34680538	34680639	Chr15.20924	<i>Nlpa2(-1883)</i>	N/A
Chr15	6390746	6390997	Chr15.2098	<i>C9(-54455),Dab2(+4274)</i>	N/A
Chr15	34741463	34741967	Chr15.20990	<i>Kcns2(-95666),Nlpa2(-63009)</i>	N/A
Chr15	34742458	34742640	Chr15.20995	<i>Kcns2(-94832),Nlpa2(-63043)</i>	N/A
Chr15	34743518	34743637	Chr15.21003	<i>Kcns2(-93803),Nlpa2(-64872)</i>	N/A
Chr15	34747129	34747355	Chr15.21012	<i>Kcns2(-90139),Nlpa2(-68536)</i>	N/A
Chr15	34795348	34795510	Chr15.21031	<i>Nlpa2(-116723),Kcns2(-41952)</i>	N/A
Chr15	34830157	34830293	Chr15.21067	<i>Nlpa2(-151519),Kcns2(-7156)</i>	N/A
Chr15	34846476	34846645	Chr15.21136	<i>Kcns2(+9181),Shk3(+305244)</i>	N/A
Chr15	6404373	6404559	Chr15.2116	<i>C9(-40851),Dab2(+17868)</i>	N/A
Chr15	34883634	34883968	Chr15.21167	<i>Kcns2(+46420),Shk3(+272005)</i>	N/A
Chr15	34903660	34903855	Chr15.21186	<i>Kcns2(+66377),Shk3(+252048)</i>	N/A
Chr15	34904481	34904678	Chr15.21191	<i>Kcns2(+67199),Shk3(+251226)</i>	N/A
Chr15	34907700	34907813	Chr15.21196	<i>Kcns2(+70376),Shk3(+248048)</i>	N/A
Chr15	34930590	34930830	Chr15.21219	<i>Kcns2(+93329),Shk3(+225096)</i>	N/A
Chr15	34965993	34966204	Chr15.21261	<i>Kcns2(+128718),Shk3(+189707)</i>	N/A
Chr15	35021254	35021369	Chr15.21290	<i>Shk3(+134494),Kcns2(+183931)</i>	N/A
Chr15	35025531	35025773	Chr15.21300	<i>Shk3(+130154),Kcns2(+188271)</i>	N/A
Chr15	35026680	35026875	Chr15.21306	<i>Shk3(+129028),Kcns2(+189397)</i>	N/A
Chr15	35063773	35063887	Chr15.21330	<i>Shk3(+91976),Kcns2(+226448)</i>	N/A
Chr15	35064868	35065706	Chr15.21336	<i>Shk3(+90519),Kcns2(+227906)</i>	N/A
Chr15	35085035	35085510	Chr15.21355	<i>Shk3(+70533),Kcns2(+247892)</i>	N/A
Chr15	35154893	35155013	Chr15.21385	<i>Shk3(+853)</i>	N/A
Chr15	35156182	35156369	Chr15.21390	<i>Shk3(-470)</i>	N/A
Chr15	35255931	35255786	Chr15.21415	<i>Shk3(-99903),Osr2(-40389)</i>	N/A
Chr15	35255936	35256154	Chr15.21420	<i>Shk3(-100189),Osr2(-40103)</i>	N/A
Chr15	35266010	35266127	Chr15.21438	<i>Shk3(-110263),Osr2(-30029)</i>	N/A

Chr15	35268796	35268889	Chr15.21444	Stk3(-113087), Osr2(-27205)	N/A
Chr15	35271978	35272396	Chr15.21457	Stk3(-116381), Osr2(-23911)	N/A
Chr15	35276299	35276472	Chr15.21464	Stk3(-120580), Osr2(-19712)	N/A
Chr15	35278280	35278481	Chr15.21468	Stk3(-123575), Osr2(-17171)	N/A
Chr15	35278525	35278968	Chr15.21471	Stk3(-122941), Osr2(-17351)	N/A
Chr15	35284037	35284406	Chr15.21478	Stk3(-128416), Osr2(-11876)	N/A
Chr15	35284630	35284813	Chr15.21486	Stk3(-128916), Osr2(-11376)	N/A
Chr15	35286401	35286633	Chr15.21493	Stk3(-130711), Osr2(-9581)	N/A
Chr15	35287126	35287237	Chr15.21497	Stk3(-131378), Osr2(-8916)	N/A
Chr15	35293550	35293474	Chr15.21519	Osr2(-486)	N/A
Chr15	35295932	35296118	Chr15.21526	Osr2(-73)	N/A
Chr15	35297177	35297323	Chr15.21535	Vps13b(-74296), Osr2(+1152)	N/A
Chr15	35297691	35297797	Chr15.21539	Vps13b(-73802), Osr2(+1646)	N/A
Chr15	35297881	35297986	Chr15.21542	Vps13b(-73612), Osr2(+1836)	N/A
Chr15	35298329	35298491	Chr15.21545	Vps13b(-73136), Osr2(+2312)	N/A
Chr15	35298613	35298826	Chr15.21550	Vps13b(-72626), Osr2(-2622)	N/A
Chr15	35302268	35302912	Chr15.21571	Vps13b(-68956), Osr2(+6492)	N/A
Chr15	35303032	35303187	Chr15.21581	Vps13b(-68436), Osr2(+7012)	N/A
Chr15	35303683	35303816	Chr15.21587	Vps13b(-67796), Osr2(+7652)	N/A
Chr15	35303879	35303998	Chr15.21588	Vps13b(-67607), Osr2(+7841)	N/A
Chr15	35311361	35311387	Chr15.21622	Vps13b(-68322), Osr2(+17126)	N/A
Chr15	6432478	6432856	Chr15.2176	C9(-12660), Dab2(+46069)	N/A
Chr15	35481683	35482190	Chr15.21766	Vps13b(+110391), Cax6c(+455708)	N/A
Chr15	3403223	3403400	Chr15.218	Ccdc152(-99786), Ghr(+179918)	N/A
Chr15	35636939	35637128	Chr15.21878	Vps13b(+265486), Cax6c(+300611)	N/A
Chr15	35643063	35643241	Chr15.21889	Vps13b(+271578), Cax6c(+294552)	N/A
Chr15	35650344	35650480	Chr15.21894	Vps13b(+278666), Cax6c(+287233)	N/A
Chr15	35650690	35651120	Chr15.21897	Vps13b(+279359), Cax6c(+286740)	N/A
Chr15	35652678	35653082	Chr15.21904	Vps13b(+281334), Cax6c(+284765)	N/A
Chr15	35664181	35664365	Chr15.21925	Cax6c(+273372), Vps13b(+292727)	N/A
Chr15	35703073	35703192	Chr15.21969	Cax6c(+294512), Vps13b(+331587)	N/A
Chr15	35713248	35713822	Chr15.22055	Cax6c(+164060), Vps13b(+402039)	N/A
Chr15	35774940	35775067	Chr15.22064	Cax6c(+162641), Vps13b(+403458)	N/A
Chr15	35775500	35775655	Chr15.22073	Cax6c(+162667), Vps13b(+404032)	N/A
Chr15	35806718	35807053	Chr15.22116	Cax6c(+130759), Vps13b(+433340)	N/A
Chr15	35807099	35807264	Chr15.22120	Cax6c(+130463), Vps13b(+435636)	N/A
Chr15	35816810	35816967	Chr15.22125	Cax6c(+120756), Vps13b(+445343)	N/A
Chr15	35822145	35822504	Chr15.22140	Cax6c(+115320), Vps13b(+450779)	N/A
Chr15	35841844	35841998	Chr15.22182	Cax6c(+95724), Vps13b(+470375)	N/A
Chr15	35842679	35843511	Chr15.22183	Cax6c(+94550), Vps13b(+471549)	N/A
Chr15	35844435	35844563	Chr15.22192	Cax6c(+93146), Vps13b(+472953)	N/A
Chr15	35846396	35846519	Chr15.22199	Cax6c(+91187), Vps13b(+474912)	N/A
Chr15	35847448	35847717	Chr15.22206	Cax6c(+90062), Vps13b(+476937)	N/A
Chr15	35849349	35849750	Chr15.22212	Cax6c(+88095), Vps13b(+478004)	N/A
Chr15	35861468	35861683	Chr15.22222	Cax6c(+76069), Vps13b(+490030)	N/A
Chr15	35869662	35869354	Chr15.22248	Cax6c(+68487), Vps13b(+497612)	N/A
Chr15	35869762	35869881	Chr15.22251	Cax6c(+67823), Vps13b(+498276)	N/A
Chr15	35870018	35870168	Chr15.22254	Cax6c(+67542), Vps13b(+498557)	N/A
Chr15	35872389	35872492	Chr15.22265	Cax6c(+65204), Vps13b(+500895)	N/A
Chr15	35872542	35872776	Chr15.22267	Cax6c(+64986), Vps13b(+501113)	N/A
Chr15	35914072	35914344	Chr15.22379	Cax6c(+23437), Vps13b(+542662)	N/A
Chr15	35914502	35914698	Chr15.22385	Cax6c(+23045), Vps13b(+543054)	N/A
Chr15	35915008	35915310	Chr15.22400	Cax6c(+22456), Vps13b(+543643)	N/A
Chr15	35917791	35918024	Chr15.22411	Cax6c(+19137), Vps13b(+546362)	N/A
Chr15	35927570	35927691	Chr15.22454	Cax6c(+10014), Vps13b(+556085)	N/A
Chr15	35928396	35928780	Chr15.22456	Cax6c(+9057), Vps13b(+557042)	N/A
Chr15	36016202	36016598	Chr15.22511	Cax6c(-78755), Rgs22(+124000)	N/A
Chr15	36047365	36047523	Chr15.22537	Cax6c(-109799), Rgs22(+92956)	N/A
Chr15	36062486	36062629	Chr15.22618	Cax6c(-144813), Rgs22(+57842)	N/A
Chr15	36111794	36111057	Chr15.22659	Cax6c(-174391), Rgs22(+28474)	N/A
Chr15	36112919	361113222	Chr15.22665	Cax6c(-175426), Rgs22(+27329)	N/A
Chr15	36283779	36283952	Chr15.22881	Rnf19a(-719)	N/A
Chr15	36302753	36302935	Chr15.22899	Rnf19a(-19697), Rpl7a-ps3(+6112)	N/A
Chr15	36304446	36304817	Chr15.22902	Rnf19a(-21385), Rpl7a-ps3(+4424)	N/A
Chr15	36331162	36331273	Chr15.22919	Rpl7a-ps3(-22652), Ankrd46(+165373)	N/A
Chr15	36361021	36361134	Chr15.22941	Rpl7a-ps3(-52122), Ankrd46(+135713)	N/A
Chr15	36361379	36361482	Chr15.22945	Rpl7a-ps3(-52475), Ankrd46(+135360)	N/A
Chr15	36403557	36403673	Chr15.22963	Rpl7a-ps3(-94659), Ankrd46(+93176)	N/A
Chr15	36422982	36423108	Chr15.22997	Rpl7a-ps3(-114089), Ankrd46(+73746)	N/A
Chr15	36469212	36469423	Chr15.23019	Rpl7a-ps3(-160562), Ankrd46(+27473)	N/A
Chr15	36506591	36506732	Chr15.23120	Smc3(-51089), Palpoc(+2311)	N/A
Chr15	6496891	6498811	Chr15.2315	Fyb(-81121), C9(+53423)	N/A
Chr15	36716238	36716345	Chr15.23159	Palpoc1(-107319), Ywhaz(+78246)	N/A
Chr15	36793551	36793725	Chr15.23206	Ywhaz(+900)	N/A
Chr15	36820344	36820457	Chr15.23226	Ywhaz(-25863), Gm10384(+59415)	N/A
Chr15	36862850	36862974	Chr15.23293	Gm10384(-13096), Zfp706(+1144650)	N/A
Chr15	36943493	36943595	Chr15.23298	Gm10384(-63728), Zfp706(+63858)	N/A
Chr15	36960403	36960649	Chr15.23315	Gm10384(-80710), Zfp706(+46876)	N/A
Chr15	6559360	6559569	Chr15.2334	Fyb(-20406), C9(+114138)	N/A
Chr15	37006539	37006664	Chr15.23355	Zfp706(+800)	N/A
Chr15	37103444	37103656	Chr15.23403	Ghl2(-129436), Zfp706(-96198)	N/A
Chr15	37135678	37135848	Chr15.23407	Zfp706(-12366), Ghl2(-97273)	N/A
Chr15	37197998	37198389	Chr15.23429	Zfp706(-190792), Ghl2(-34842)	N/A
Chr15	37210459	37210601	Chr15.23443	Zfp706(-203128), Ghl2(-22506)	N/A
Chr15	37232188	37232321	Chr15.23457	Ghl2(-781)	N/A
Chr15	37232890	37233133	Chr15.23462	Ghl2(-24)	N/A
Chr15	37232338	37232425	Chr15.23468	Ghl2(-296)	N/A
Chr15	37241776	37241898	Chr15.23485	4930447a16rk(-183717), Ghl2(+8801)	N/A
Chr15	37317861	37318110	Chr15.23563	4930447a16rk(-107568), Ghl2(+84950)	N/A
Chr15	37378150	37378319	Chr15.23630	4930447a16rk(-47319), Ghl2(+145199)	N/A
Chr15	37431600	37431734	Chr15.23653	4930447a16rk(+6113), Ncald(+360766)	N/A
Chr15	37432664	37432778	Chr15.23657	4930447a16rk(+7167), Ncald(+359712)	N/A
Chr15	37433378	37433486	Chr15.23663	4930447a16rk(+7878), Ncald(+359001)	N/A
Chr15	37438314	37438426	Chr15.23670	4930447a16rk(+12816), Ncald(+354063)	N/A
Chr15	37458982	37459144	Chr15.23706	4930447a16rk(+33509), Ncald(+333370)	N/A
Chr15	37459367	37459503	Chr15.23711	4930447a16rk(+33881), Ncald(+332998)	N/A
Chr15	37499091	37499249	Chr15.23718	4930447a16rk(+73616), Ncald(+293263)	N/A
Chr15	37499514	37499643	Chr15.23726	4930447a16rk(+74025), Ncald(+29854)	N/A
Chr15	37516074	37516217	Chr15.23735	4930447a16rk(+96992), Ncald(+276287)	N/A
Chr15	37617063	37617384	Chr15.23791	Ncald(+175209), 4930447a16rk(+191670)	N/A
Chr15	37673801	37673970	Chr15.23832	Ncald(+118547), 4930447a16rk(+248332)	N/A
Chr15	37721102	37721242	Chr15.23856	Ncald(+71261), 4930447a16rk(+295618)	N/A
Chr15	37724320	37724496	Chr15.23861	Ncald(+68025), 4930447a16rk(+298854)	N/A
Chr15	37726638	37726955	Chr15.23863	Ncald(+65536), 4930447a16rk(+301343)	N/A
Chr15	37791257	37791427	Chr15.23906	Ncald(+1091), 4930447a16rk(+365788)	N/A
Chr15	38077376	38077500	Chr15.24093	Rrm2b(-116335), Ubr5(+1415)	N/A
Chr15	38077599	38077764	Chr15.24096	Rrm2b(-116579), Ubr5(+1171)	N/A
Chr15	38185236	38185336	Chr15.24130	Ubr5(-106433), Odf1(-33917)	N/A
Chr15	38199220	38199497	Chr15.24138	Ubr5(-120506), Odf1(-19844)	N/A
Chr15	38300666	38300947	Chr15.24230	Klf10(-100)	N/A
Chr15	38302294	38302457	Chr15.24236	Klf10(-1669)	N/A
Chr15	38374893	38375121	Chr15.24246	Klf10(-74300), Azin1(+144259)	N/A
Chr15	38457840	38458004	Chr15.24265	Klf10(-157215), Azin1(+61344)	N/A
Chr15	38518187	38518388	Chr15.24311	Azin1(+980)	N/A
Chr15	38518900	38519088	Chr15.24316	Azin1(+272)	N/A
Chr15	38560491	38560678	Chr15.24350	Atp6v1c1(-101319), Azin1(-41319)	N/A
Chr15	38604013	38604124	Chr15.24363	Azin1(-84803), Atp6v1c1(-57835)	N/A
Chr15	38710253	38710389	Chr15.24419	Baalc(-222821), Atp6v1c1(+48417)	N/A
Chr15	38931809	38931942	Chr15.24430	Baalc(-1266)	N/A
Chr15	39043428	39043542	Chr15.24527	Chrc1(-33447), Fzd6(+37152)	N/A
Chr15	39077596	39077792	Chr15.24542	Chrc1(-763)	N/A
Chr15	39199149	39199290	Chr15.24677	Rims2(+857)	N/A
Chr15	39391670	39392089	Chr15.24722	Dcstamp(-354052), Rims2(+193517)	N/A
Chr15	39547772	39547972	Chr15.24841	Dcstamp(-198060), Rims2(+349509)	N/A
Chr15	39659729	39659931	Chr15.24888	Dcstamp(-86102), Rims2(+461467)	N/A
Chr15	6709231	6709332	Chr15.2494	Rictor(+901)	N/A
Chr15	39816104	39816273	Chr15.25076	Dpys(+41278), Dcstamp(+70257)	N/A
Chr15	40114262	40114379	Chr15.25424	Lrp12(-170533), 9330182o14rk(-27867)	N/A
Chr15	40114706	40114860	Chr15.25428	Lrp12(-170995), 9330182o14rk(-27405)	N/A
Chr15	40115173	40115502	Chr15.25435	Lrp12(-171500), 9330182o14rk(-26850)	N/A
Chr15	40170219	40170479	Chr15.25464	Zfpm2(-484693), 9330182o14rk(-28161)	N/A
Chr15	40280660	40280760	Chr15.25571	Zfpm2(-374332), 9330182o14rk(+138523)	N/A
Chr15	40281173	40281288	Chr15.25575	Zfpm2(-373811), 9330182o14rk(+139043)	N/A
Chr15	40340232	40340499	Chr15.25615	Zfpm2(-314676), 9330182o14rk(+198178)	N/A
Chr15	40654460	40654676	Chr15.25684	Zfpm2(-474)	N/A
Chr15	40728577	40728782	Chr15.26108	Oxr1(-718802), Zfpm2(+73638)	N/A
Chr15	40728967	40729077	Chr15.26111	Oxr1(-718460), Zfpm2(+73980)	N/A
Chr15	40825625	40826046	Chr15.26294	Oxr1(-621646), Zfpm2(+170794)	N/A

Chr15		40978568	40979142	Chr15.26593	Oxr1(-468627),Zlpm2(+323813)	N/A
Chr15		40979280	40979399	Chr15.26599	Oxr1(-468142),Zlpm2(+324298)	N/A
Chr15		41154995	41155281	Chr15.26935	Oxr1(-292344),Zlpm2(+500096)	N/A
Chr15		41155312	41155506	Chr15.26937	Oxr1(-292073),Zlpm2(+500367)	N/A
Chr15		41494103	41494241	Chr15.27101	Oxr1(+46690),Abra(+375548)	N/A
Chr15		41643403	41643704	Chr15.27184	Oxr1(+196072),Abra(+226166)	N/A
Chr15		41741970	41742124	Chr15.27245	Abra(+127673),Oxr1(+294565)	N/A
Chr15		41830747	41831158	Chr15.27317	Abra(+387873),Oxr1(+383471)	N/A
Chr15		6953442	6953746	Chr15.2737	Llfr(-200709),Osmr(-78676)	N/A
Chr15		41920318	41920449	Chr15.27433	Abra(-50564),Angpt1(+1756593)	N/A
Chr15		6961474	6961602	Chr15.2746	Llfr(-192815),Osmr(-86569)	N/A
Chr15		42069273	42069401	Chr15.27477	Abra(-199617),Angpt1(+607640)	N/A
Chr15		42082495	42082873	Chr15.27485	Abra(-212964),Angpt1(+594293)	N/A
Chr15		42451223	42451430	Chr15.27774	Abra(-581607),Angpt1(+225650)	N/A
Chr15		42506895	42506822	Chr15.27878	Abra(-637039),Angpt1(+170218)	N/A
Chr15		42506876	42507031	Chr15.27881	Abra(-637234),Angpt1(+170023)	N/A
Chr15		42658948	42659081	Chr15.28073	Abra(-789295),Angpt1(+17962)	N/A
Chr15		7044326	7044488	Chr15.2811	Osmr(-169438),Llfr(-109946)	N/A
Chr15		42676531	42676630	Chr15.28116	Angpt1(+396)	N/A
Chr15		42676681	42677124	Chr15.28117	Angpt1(+174)	N/A
Chr15		7044807	7044857	Chr15.2818	Osmr(-169913),Llfr(-109471)	N/A
Chr15		7049011	7049208	Chr15.2824	Osmr(-174141),Llfr(-105243)	N/A
Chr15		42822585	42822816	Chr15.28253	Angpt1(-145724),Rspo2(+348117)	N/A
Chr15		7063956	7064071	Chr15.2834	Osmr(-189045),Llfr(-90339)	N/A
Chr15		42897359	42897479	Chr15.28346	Angpt1(-220443),Rspo2(+273399)	N/A
Chr15		7065134	7065321	Chr15.2835	Osmr(-190259),Llfr(-89128)	N/A
Chr15		43045019	43045220	Chr15.28468	Angpt1(-368143),Rspo2(+125698)	N/A
Chr15		43072958	43073342	Chr15.28522	Angpt1(-396173),Rspo2(+97668)	N/A
Chr15		43073861	43074348	Chr15.28528	Angpt1(-397128),Rspo2(+96713)	N/A
Chr15		43122761	43122986	Chr15.28587	Angpt1(-445897),Rspo2(+47944)	N/A
Chr15		7075309	7075431	Chr15.2862	Osmr(-200401),Llfr(-78983)	N/A
Chr15		43167172	43167527	Chr15.28627	Angpt1(-490373),Rspo2(+3468)	N/A
Chr15		43170781	43170958	Chr15.28641	Rspo2(-52)	N/A
Chr15		43195524	43195645	Chr15.28683	Rspo2(-24767),Elf3e(+87151)	N/A
Chr15		43195816	43196028	Chr15.28688	Rspo2(-25104),Elf3e(+86814)	N/A
Chr15		43308405	43308634	Chr15.28782	Elf3e(-25784),Gm10373(+168516)	N/A
Chr15		7088672	7088811	Chr15.2880	Osmr(-213773),Llfr(-45611)	N/A
Chr15		43614047	43614226	Chr15.29015	Emc2(+136908),Tmem74(+255892)	N/A
Chr15		43614455	43614569	Chr15.29017	Emc2(+137283),Tmem74(+255517)	N/A
Chr15		7112703	7112811	Chr15.2916	Osmr(-237788),Llfr(-41596)	N/A
Chr15		7124231	7124395	Chr15.2926	Osmr(-249344),Llfr(-30040)	N/A
Chr15		43940450	43940630	Chr15.29272	Thrf(-255585),Tmem74(-70511)	N/A
Chr15		43940674	43940815	Chr15.29275	Thrf(-255360),Tmem74(-70716)	N/A
Chr15		7128643	7129002	Chr15.2934	Osmr(-253854),Llfr(-25530)	N/A
Chr15		44219299	44219439	Chr15.29405	Eny2(-208742),Thrf(+23234)	N/A
Chr15		44428000	44428442	Chr15.29503	Nudcd1(+86),Eny2(+110)	N/A
Chr15		44606940	44607254	Chr15.29929	Ebag9(+47456),Sybu(+120966)	N/A
Chr15		44679131	44679268	Chr15.29963	Ebag9(+59559),Sybu(+108863)	N/A
Chr15		44706316	44706693	Chr15.30027	Sybu(+11558),Ebag9(+86864)	N/A
Chr15		44751423	44751553	Chr15.30091	Sybu(+36575),Ebag9(+131847)	N/A
Chr15		44760414	44760595	Chr15.30108	Sybu(+27558),Ebag9(+140864)	N/A
Chr15		7191698	7191811	Chr15.3060	Llfr(+37402),Egflam(+206549)	N/A
Chr15		7214079	7214248	Chr15.3108	Llfr(+98811),Egflam(+184140)	N/A
Chr15		48790706	48790820	Chr15.31507	Csmc3(+1226)	N/A
Chr15		48791421	48791564	Chr15.31511	Csmc3(+496)	N/A
Chr15		48791992	48792094	Chr15.31513	Csmc3(-54)	N/A
Chr15		50246816	50246923	Chr15.31834	Trps1(+643171)	N/A
Chr15		50247201	50247373	Chr15.31842	Trps1(+642754)	N/A
Chr15		50451526	50451754	Chr15.31881	Trps1(+438401)	N/A
Chr15		50610853	50611082	Chr15.32109	Trps1(+279073)	N/A
Chr15		50664849	50665093	Chr15.32188	Trps1(+225070)	N/A
Chr15		50665483	50665738	Chr15.32192	Trps1(+224430)	N/A
Chr15		50665880	50666492	Chr15.32197	Trps1(+223855)	N/A
Chr15		50674455	50674614	Chr15.32228	Trps1(+215508)	N/A
Chr15		50684256	50684387	Chr15.32245	Trps1(+205719)	N/A
Chr15		50686438	50686718	Chr15.32251	Trps1(+203463)	N/A
Chr15		50686748	50686993	Chr15.32257	Trps1(+203170)	N/A
Chr15		50687961	50688479	Chr15.32264	Trps1(+201821)	N/A
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Chr15		50694149	50694415	Chr15.32282	Trps1(+195789)	N/A
Chr15		50694546	50694801	Chr15.32285	Trps1(+195367)	N/A
Chr15		50695575	50695958	Chr15.32286	Trps1(+194274)	N/A
Chr15		50696664	50696833	Chr15.32293	Trps1(+193292)	N/A
Chr15		50697046	50697225	Chr15.32298	Trps1(+192905)	N/A
Chr15		50697853	50698345	Chr15.32303	Trps1(+191942)	N/A
Chr15		50698497	50698791	Chr15.32306	Trps1(+191402)	N/A
Chr15		50698847	50698985	Chr15.32308	Trps1(+191125)	N/A
Chr15		50699036	50699317	Chr15.32312	Trps1(+190864)	N/A
Chr15		50725351	50725572	Chr15.32374	Trps1(+164579)	N/A
Chr15		50735893	50736384	Chr15.32387	Trps1(+153902)	N/A
Chr15		50736590	50736705	Chr15.32391	Trps1(+153398)	N/A
Chr15		50737047	50737310	Chr15.32392	Trps1(+152862)	N/A
Chr15		50746707	50747583	Chr15.32407	Trps1(+142896)	N/A
Chr15		50748155	50748334	Chr15.32411	Trps1(+141796)	N/A
Chr15		50817490	50817713	Chr15.32530	Trps1(+72439)	N/A
Chr15		50841781	50841911	Chr15.32593	Trps1(+48195)	N/A
Chr15		50842422	50842740	Chr15.32599	Trps1(+47460)	N/A
Chr15		50844130	50844796	Chr15.32614	Trps1(+45578)	N/A
Chr15		50856597	50856866	Chr15.32658	Trps1(+24259)	N/A
Chr15		50870258	50870375	Chr15.32665	Trps1(+19724)	N/A
Chr15		50871158	50871633	Chr15.32667	Trps1(+18645)	N/A
Chr15		50878226	50878518	Chr15.32682	Trps1(+11669)	N/A
Chr15		50878954	50879110	Chr15.32688	Trps1(+11009)	N/A
Chr15		50881849	50882160	Chr15.32704	Trps1(+8036)	N/A
Chr15		50882677	50882917	Chr15.32711	Trps1(+7244)	N/A
Chr15		50883580	50883717	Chr15.32714	Trps1(+6392)	N/A
Chr15		50883924	50884088	Chr15.32719	Trps1(+6035)	N/A
Chr15		50884162	50884639	Chr15.32722	Trps1(+5640)	N/A
Chr15		50885766	50885935	Chr15.32726	Trps1(+4190)	N/A
Chr15		50887582	50887764	Chr15.32739	Trps1(+2368)	N/A
Chr15		50887880	50887986	Chr15.32740	Trps1(+2108)	N/A
Chr15		50888022	50888233	Chr15.32743	Trps1(+1913)	N/A
Chr15		50888386	50888711	Chr15.32750	Trps1(+1492)	N/A
Chr15		50889031	50889058	Chr15.32753	Trps1(+1046)	N/A
Chr15		50889162	50889266	Chr15.32755	Trps1(+827)	N/A
Chr15		50890886	50891128	Chr15.32761	Trps1(-966)	N/A
Chr15		50891482	50891945	Chr15.32764	Trps1(-1673)	N/A
Chr15		50891999	50892104	Chr15.32768	Trps1(-3011)	N/A
Chr15		50893259	50893695	Chr15.32772	Trps1(-3438)	N/A
Chr15		50929128	50929850	Chr15.32832	Trps1(-39448),Elf3h(+935992)	N/A
Chr15		50929889	50930153	Chr15.32834	Trps1(-39980),Elf3h(+935460)	N/A
Chr15		50930358	50930528	Chr15.32837	Trps1(-40402),Elf3h(+935038)	N/A
Chr15		50932903	50933109	Chr15.32846	Trps1(-42963),Elf3h(+932475)	N/A
Chr15		50971714	50971729	Chr15.32929	Trps1(-107381),Elf3h(+868059)	N/A
Chr15		51025931	51026088	Chr15.32967	Trps1(-135069),Elf3h(+839471)	N/A
Chr15		51071012	51071181	Chr15.33014	Trps1(-181056),Elf3h(+794384)	N/A
Chr15		51071222	51071341	Chr15.33018	Trps1(-181241),Elf3h(+794199)	N/A
Chr15		51095057	51095175	Chr15.33083	Trps1(-205075),Elf3h(+770385)	N/A
Chr15		51100091	51100215	Chr15.33096	Trps1(-210112),Elf3h(+763328)	N/A
Chr15		51103981	51104168	Chr15.33114	Trps1(-214033),Elf3h(+761407)	N/A
Chr15		51104198	51104373	Chr15.33118	Trps1(-214245),Elf3h(+761195)	N/A
Chr15		51104791	51104951	Chr15.33120	Trps1(-214830),Elf3h(+760610)	N/A
Chr15		51105743	51105951	Chr15.33128	Trps1(-215806),Elf3h(+759634)	N/A
Chr15		51155822	51156096	Chr15.33199	Trps1(-265918),Elf3h(+709522)	N/A
Chr15		51177041	51177423	Chr15.33242	Trps1(-287191),Elf3h(+686249)	N/A
Chr15		7397580	7397689	Chr15.3326	Egflam(+659)	N/A
Chr15		51197869	51198216	Chr15.33277	Trps1(-308002),Elf3h(+667438)	N/A
Chr15		51198405	51198515	Chr15.33281	Trps1(-308419),Elf3h(+667021)	N/A
Chr15		51198850	51199081	Chr15.33284	Trps1(-308925),Elf3h(+666515)	N/A
Chr15		51251985	51252108	Chr15.33351	Trps1(-362006),Elf3h(+613434)	N/A
Chr15		51264256	51264558	Chr15.33362	Trps1(-374365),Elf3h(+601075)	N/A
Chr15		51271616	51271976	Chr15.33373	Trps1(-381755),Elf3h(+593685)	N/A
Chr15		51272826	51273017	Chr15.33383	Trps1(-382881),Elf3h(+592559)	N/A
Chr15		51274294	51274655	Chr15.33391	Trps1(-384434),Elf3h(+591006)	N/A
Chr15		51285723	51285924	Chr15.33402	Trps1(-395783),Elf3h(+579657)	N/A
Chr15		51289353	51289386	Chr15.33411	Trps1(-399179),Elf3h(+576261)	N/A
Chr15		51290288	51290412	Chr15.33417	Trps1(-400299),Elf3h(+575141)	N/A

Chr15	51291366	51291492	Chr15.33419	<i>Trps1(-401388),Elf3h(+574052)</i>	N/A
Chr15	51320287	51320491	Chr15.33477	<i>Trps1(-430348),Elf3h(+545092)</i>	N/A
Chr15	51371207	51371561	Chr15.33562	<i>Trps1(-481343),Elf3h(+494097)</i>	N/A
Chr15	51392592	51392721	Chr15.33576	<i>Trps1(-502816),Elf3h(+728245)</i>	N/A
Chr15	51394038	51394186	Chr15.33588	<i>Trps1(-504071),Elf3h(+471369)</i>	N/A
Chr15	51395901	51396336	Chr15.33599	<i>Trps1(-506078),Elf3h(+469362)</i>	N/A
Chr15	51397741	51397944	Chr15.33607	<i>Trps1(-507802),Elf3h(+467638)</i>	N/A
Chr15	51440593	51440726	Chr15.33657	<i>Trps1(-550619),Elf3h(+424821)</i>	N/A
Chr15	51496540	51496540	Chr15.33715	<i>Trps1(-606381),Elf3h(+369059)</i>	N/A
Chr15	51502270	51502956	Chr15.33724	<i>Trps1(-613752),Elf3h(+362868)</i>	N/A
Chr15	51503642	51504058	Chr15.33735	<i>Trps1(-613809),Elf3h(+361631)</i>	N/A
Chr15	51505244	51505381	Chr15.33747	<i>Trps1(-615272),Elf3h(+360168)</i>	N/A
Chr15	51529618	51529738	Chr15.33801	<i>Trps1(-639637),Elf3h(+335803)</i>	N/A
Chr15	51543179	51543372	Chr15.33826	<i>Trps1(-653235),Elf3h(+322205)</i>	N/A
Chr15	51558268	51558391	Chr15.33836	<i>Trps1(-668289),Elf3h(+307151)</i>	N/A
Chr15	51591864	51591994	Chr15.33860	<i>Trps1(-701888),Elf3h(+273552)</i>	N/A
Chr15	51592465	51592723	Chr15.33867	<i>Trps1(-702553),Elf3h(+272887)</i>	N/A
Chr15	51592853	51593083	Chr15.33868	<i>Trps1(-702927),Elf3h(+272513)</i>	N/A
Chr15	51601623	51601774	Chr15.33883	<i>Trps1(-711658),Elf3h(+263782)</i>	N/A
Chr15	51628564	51628624	Chr15.33902	<i>Trps1(-745196),Elf3h(+236787)</i>	N/A
Chr15	51634995	51635479	Chr15.33925	<i>Trps1(-745196),Elf3h(+230244)</i>	N/A
Chr15	51652786	51652961	Chr15.33966	<i>Trps1(-762833),Elf3h(+212607)</i>	N/A
Chr15	51668332	51668738	Chr15.33982	<i>Trps1(-778494),Elf3h(+196946)</i>	N/A
Chr15	51670100	51670348	Chr15.33989	<i>Trps1(-780183),Elf3h(+195257)</i>	N/A
Chr15	51671569	51671719	Chr15.34002	<i>Trps1(-781603),Elf3h(+193837)</i>	N/A
Chr15	51671838	51672228	Chr15.34003	<i>Trps1(-781991),Elf3h(+193448)</i>	N/A
Chr15	51679713	51679818	Chr15.34035	<i>Trps1(-789725),Elf3h(+185715)</i>	N/A
Chr15	7480292	7480675	Chr15.3404	<i>Gdnf(-330527),Egflam(-82180)</i>	N/A
Chr15	51685229	51685380	Chr15.34052	<i>Trps1(-795264),Elf3h(+180176)</i>	N/A
Chr15	51687876	51687996	Chr15.34063	<i>Trps1(-797896),Elf3h(+177544)</i>	N/A
Chr15	51710009	51710268	Chr15.34088	<i>Trps1(-820096),Elf3h(+155342)</i>	N/A
Chr15	51721288	51721433	Chr15.34115	<i>Trps1(-831310),Elf3h(+144139)</i>	N/A
Chr15	51730971	51731194	Chr15.34124	<i>Trps1(-841042),Elf3h(+134398)</i>	N/A
Chr15	51731272	51731456	Chr15.34128	<i>Trps1(-841323),Elf3h(+134117)</i>	N/A
Chr15	51775266	51775420	Chr15.34166	<i>Trps1(-885302),Elf3h(+90138)</i>	N/A
Chr15	51779776	51779945	Chr15.34177	<i>Trps1(-889820),Elf3h(+85620)</i>	N/A
Chr15	51794070	51794192	Chr15.34199	<i>Trps1(-904090),Elf3h(+71350)</i>	N/A
Chr15	51798190	51799096	Chr15.34216	<i>Trps1(-908602),Elf3h(+66838)</i>	N/A
Chr15	51805420	51805541	Chr15.34234	<i>Trps1(-915440),Elf3h(+60000)</i>	N/A
Chr15	51817290	51817415	Chr15.34254	<i>Trps1(-927312),Elf3h(+48128)</i>	N/A
Chr15	51817854	51818145	Chr15.34260	<i>Trps1(-927959),Elf3h(+47481)</i>	N/A
Chr15	51834217	51834433	Chr15.34278	<i>Trps1(-944294),Elf3h(+31156)</i>	N/A
Chr15	51854003	51855827	Chr15.34301	<i>Trps1(-965574),Elf3h(+9866)</i>	N/A
Chr15	51952093	51952286	Chr15.34359	<i>Rad21(+39570),Ubp23(+74761)</i>	N/A
Chr15	51991680	51991806	Chr15.34414	<i>Rad21(+17)</i>	N/A
Chr15	52160671	52160859	Chr15.34524	<i>Slc30a8(-134788),Aard(+120658)</i>	N/A
Chr15	52341632	52341768	Chr15.34706	<i>Slc30a8(+48145),Gm10020(+136530)</i>	N/A
Chr15	52413349	52413661	Chr15.34797	<i>Gm10020(+44723),Slc30a8(+117952)</i>	N/A
Chr15	52430723	52430886	Chr15.34833	<i>Gm10020(+47423),Slc30a8(+135252)</i>	N/A
Chr15	7531590	7531801	Chr15.3493	<i>Gdnf(-279315),Egflam(-133392)</i>	N/A
Chr15	52673833	52674115	Chr15.34995	<i>Gm10020(-195746),Med30(-38471)</i>	N/A
Chr15	52769593	52769725	Chr15.35063	<i>Med30(+57214),Ext1(+576500)</i>	N/A
Chr15	7563301	7563516	Chr15.3518	<i>Gdnf(-247602),Egflam(-165105)</i>	N/A
Chr15	52967890	52968093	Chr15.35234	<i>Med30(-255592),Ext1(+378122)</i>	N/A
Chr15	53145496	53145626	Chr15.35499	<i>Ext1(+200598),Med30(+433116)</i>	N/A
Chr15	53155229	53155356	Chr15.35518	<i>Ext1(+190866),Med30(+442648)</i>	N/A
Chr15	53157551	53157660	Chr15.35523	<i>Ext1(+188553),Med30(+445161)</i>	N/A
Chr15	53180855	53181095	Chr15.35566	<i>Ext1(+165184),Med30(+468530)</i>	N/A
Chr15	53196867	53196867	Chr15.35602	<i>Ext1(+149422),Med30(+484262)</i>	N/A
Chr15	53224241	53224368	Chr15.35649	<i>Ext1(+121854),Med30(+511860)</i>	N/A
Chr15	53236839	53237105	Chr15.35669	<i>Ext1(+109187),Med30(+524527)</i>	N/A
Chr15	53237252	53237594	Chr15.35673	<i>Ext1(+108736),Med30(+524978)</i>	N/A
Chr15	53256001	53256239	Chr15.35691	<i>Ext1(+90039),Med30(+543675)</i>	N/A
Chr15	53257876	53257988	Chr15.35694	<i>Ext1(+88227),Med30(+545487)</i>	N/A
Chr15	53282601	53282810	Chr15.35695	<i>Ext1(+87803),Med30(+545911)</i>	N/A
Chr15	5329372	53293941	Chr15.35703	<i>Ext1(+86727),Med30(+546987)</i>	N/A
Chr15	53304268	53304409	Chr15.35790	<i>Ext1(+41820),Med30(+591894)</i>	N/A
Chr15	3580391	3580668	Chr15.358	<i>Ccdc152(-277004),Ghr(+2700)</i>	N/A
Chr15	53310952	53311141	Chr15.35804	<i>Ext1(+35112),Med30(+598602)</i>	N/A
Chr15	53311471	53311633	Chr15.35806	<i>Ext1(+34607),Med30(+599107)</i>	N/A
Chr15	53342780	53342922	Chr15.35880	<i>Ext1(+3308),Med30(+630406)</i>	N/A
Chr15	53343265	53343431	Chr15.35885	<i>Ext1(+2811),Med30(+630903)</i>	N/A
Chr15	53343587	53343761	Chr15.35886	<i>Ext1(+2485),Med30(+631229)</i>	N/A
Chr15	7612747	7612933	Chr15.3595	<i>Egflam(-214536),Gdnf(-198171)</i>	N/A
Chr15	3274653	3274881	Chr15.36	<i>Selemap(-3848),Ccdc152(+28759)</i>	N/A
Chr15	534751536	53475240	Chr15.36026	<i>Gm7489(-409718),Ext1(-12903)</i>	N/A
Chr15	53621956	53622108	Chr15.36240	<i>Ext1(-275873),Gm7489(-262874)</i>	N/A
Chr15	53722837	53723000	Chr15.36362	<i>Ext1(-376760),Gm7489(-161987)</i>	N/A
Chr15	53902305	53902425	Chr15.36532	<i>Samd12(+165)</i>	N/A
Chr15	7635301	7635644	Chr15.3655	<i>Egflam(-237169),Gdnf(-175538)</i>	N/A
Chr15	3583409	3583613	Chr15.366	<i>Ghr(-281)</i>	N/A
Chr15	7639846	7639986	Chr15.3668	<i>Egflam(-241612),Gdnf(-171095)</i>	N/A
Chr15	7642212	7642412	Chr15.3679	<i>Egflam(-244008),Gdnf(-168699)</i>	N/A
Chr15	54386532	54386699	Chr15.36954	<i>Trnrsf11b(-108132),Colec10(-24158)</i>	N/A
Chr15	54386769	54387231	Chr15.36959	<i>Trnrsf11b(-108516),Colec10(-23774)</i>	N/A
Chr15	54387275	54387400	Chr15.36962	<i>Trnrsf11b(-108854),Colec10(-23436)</i>	N/A
Chr15	54387435	54387551	Chr15.36964	<i>Trnrsf11b(-109090),Colec10(-23281)</i>	N/A
Chr15	54404820	54404945	Chr15.36975	<i>Trnrsf11b(-126399),Colec10(-5891)</i>	N/A
Chr15	7663875	7664000	Chr15.3713	<i>Egflam(-265634),Gdnf(-147073)</i>	N/A
Chr15	7664078	7664190	Chr15.3716	<i>Egflam(-265830),Gdnf(-146877)</i>	N/A
Chr15	54805574	54805761	Chr15.37235	<i>Ccn3(+59966),Enpp2(+114478)</i>	N/A
Chr15	54851272	54851493	Chr15.37319	<i>Enpp2(+68763),Ccn3(+105681)</i>	N/A
Chr15	54854412	54854555	Chr15.37321	<i>Enpp2(+65862),Ccn3(+108786)</i>	N/A
Chr15	54918955	54919185	Chr15.37364	<i>Enpp2(+1076),Ccn3(+173368)</i>	N/A
Chr15	54920013	54920298	Chr15.37472	<i>Enpp2(-10)</i>	N/A
Chr15	54920577	54920701	Chr15.37481	<i>Enpp2(-493)</i>	N/A
Chr15	54923144	54923285	Chr15.37488	<i>Enpp2(-3069)</i>	N/A
Chr15	54935519	54935697	Chr15.37493	<i>Enpp2(-15462),Taf2(+136544)</i>	N/A
Chr15	54952632	54952926	Chr15.37503	<i>Enpp2(-32633),Taf2(+119373)</i>	N/A
Chr15	54985624	54985765	Chr15.37528	<i>Enpp2(-65549),Taf2(+86457)</i>	N/A
Chr15	55132407	55132541	Chr15.37678	<i>Col14a1(-175276),Gm9920(-18892)</i>	N/A
Chr15	7723424	7723576	Chr15.3786	<i>Egflam(-325196),Gdnf(-87511)</i>	N/A
Chr15	55417790	55417903	Chr15.37904	<i>Mtbp(-139561),Col14a1(+110097)</i>	N/A
Chr15	55437330	55437446	Chr15.37950	<i>Mtbp(-120020),Col14a1(+129638)</i>	N/A
Chr15	55457514	55457636	Chr15.37996	<i>Mtbp(-99833),Col14a1(+149825)</i>	N/A
Chr15	55515779	55515883	Chr15.38070	<i>Mtbp(-41577),Col14a1(+208081)</i>	N/A
Chr15	55531050	55531174	Chr15.38107	<i>Mtbp(-26296),Col14a1(+223362)</i>	N/A
Chr15	7742026	7742157	Chr15.3826	<i>Egflam(-343788),Gdnf(-68919)</i>	N/A
Chr15	55800098	55800319	Chr15.38365	<i>Mpr13(-242461),Sntb1(+106740)</i>	N/A
Chr15	55835615	55835725	Chr15.38397	<i>Mpr13(-27922),Sntb1(+11279)</i>	N/A
Chr15	55843497	55843647	Chr15.38401	<i>Mpr13(-285824),Sntb1(+63377)</i>	N/A
Chr15	55864470	55864802	Chr15.38424	<i>Mpr13(-306888),Sntb1(+42313)</i>	N/A
Chr15	56077844	56078150	Chr15.38543	<i>Sntb1(-171048),Has2(+616542)</i>	N/A
Chr15	56106347	56106546	Chr15.38577	<i>Sntb1(-259498),Has2(+520692)</i>	N/A
Chr15	56244106	56244290	Chr15.38606	<i>Sntb1(-337254),Has2(+450336)</i>	N/A
Chr15	56278653	56278852	Chr15.38644	<i>Sntb1(-371804),Has2(+415786)</i>	N/A
Chr15	56294819	56295337	Chr15.38656	<i>Sntb1(-388129),Has2(+399461)</i>	N/A
Chr15	56334605	56334767	Chr15.38675	<i>Sntb1(-427737),Has2(+359853)</i>	N/A
Chr15	56346269	56346391	Chr15.38691	<i>Sntb1(-439381),Has2(+348209)</i>	N/A
Chr15	56351325	56351466	Chr15.38695	<i>Sntb1(-444477),Has2(+343143)</i>	N/A
Chr15	56429106	56429377	Chr15.38757	<i>Sntb1(-522293),Has2(-265297)</i>	N/A
Chr15	56497409	56497517	Chr15.38814	<i>Sntb1(-590514),Has2(+190706)</i>	N/A
Chr15	7809686	7810057	Chr15.3889	<i>Gdnf(-139)</i>	N/A
Chr15	56671916	56672019	Chr15.38953	<i>Sntb1(-765019),Has2(+22571)</i>	N/A
Chr15	56685903	56686015	Chr15.38978	<i>Sntb1(-778810),Has2(+8780)</i>	N/A
Chr15	56692673	56692772	Chr15.38984	<i>Sntb1(-785774),Has2(+1816)</i>	N/A
Chr15	56692821	56692933	Chr15.38991	<i>Sntb1(-785928),Has2(+1662)</i>	N/A
Chr15	56693987	56694162	Chr15.39000	<i>Has2(+464)</i>	N/A
Chr15	56694418	56694584	Chr15.39002	<i>Has2(+38)</i>	N/A
Chr15	56694687	56694809	Chr15.39003	<i>Has2(-209)</i>	N/A
Chr15	56704991	56705136	Chr15.39046	<i>Has2(-70555),Slc22a22(+712561)</i>	N/A
Chr15	7813515	7813619	Chr15.3905	<i>Gdnf(-2556),Wdr70(+285462)</i>	N/A
Chr15	56807640	56807748	Chr15.39080	<i>Has2(-113155),Slc22a22(+669931)</i>	N/A
Chr15	7814007	7814111	Chr15.3909	<i>Gdnf(+3048),Wdr70(+285150)</i>	N/A
Chr15	7816141	7816281	Chr15.3913	<i>Gdnf(+5200),Wdr70(+282998)</i>	N/A
Chr15	56858194	56858376	Chr15.39141	<i>Has2(-163746),Slc22a22(+619340)</i>	N/A
Chr15	56858809	56858928	Chr15.39147	<i>Has2(-164330),Slc22a22(+618766)</i>	N/A
Chr15	56865194	56865308	Chr15.39149	<i>Has2(-170712),Slc22a22(+612374)</i>	N/A

Chr15	56881741	56881926	Chr15.39165	Has2(-187295),Slc22a22(+595791)	N/A
Chr15	56956569	56956674	Chr15.39192	Has2(-262083),Slc22a22(+521003)	N/A
Chr15	56975939	56976076	Chr15.39212	Has2(-281469),Slc22a22(+501617)	N/A
Chr15	57040467	57040639	Chr15.39240	Has2(-346014),Slc22a22(+437077)	N/A
Chr15	57040696	57040907	Chr15.39244	Has2(-346263),Slc22a22(+436823)	N/A
Chr15	57162510	57162700	Chr15.39312	Has2(-468066),Slc22a22(+315020)	N/A
Chr15	57398959	57399118	Chr15.39392	Has2(-704500),Slc22a22(+78586)	N/A
Chr15	57509548	57509761	Chr15.39444	Zhx2(-185010),Slc22a22(-32030)	N/A
Chr15	78355214	78355214	Chr15.3945	Gdnf(+24138),Wdr70(+264069)	N/A
Chr15	57523987	57524319	Chr15.39457	Zhx2(-170512),Slc22a22(-46528)	N/A
Chr15	57633268	57633367	Chr15.39527	Slc22a22(-155693),Zhx2(-61347)	N/A
Chr15	57694535	57694700	Chr15.39550	Zhx2(-47)	N/A
Chr15	57696600	57696793	Chr15.39554	Zhx2(+2032),Der1(+195721)	N/A
Chr15	57701633	57701891	Chr15.39558	Zhx2(+7097),Der1(+19058)	N/A
Chr15	57722508	57722508	Chr15.39581	Zhx2(+7781),Der1(+169972)	N/A
Chr15	57727416	57727558	Chr15.39590	Zhx2(+32822),Der1(+164931)	N/A
Chr15	57733538	57733813	Chr15.39598	Zhx2(+39011),Der1(+158742)	N/A
Chr15	57737604	57737820	Chr15.39605	Zhx2(+43047),Der1(+154706)	N/A
Chr15	57754962	57755072	Chr15.39615	Zhx2(+60352),Der1(+137401)	N/A
Chr15	57796789	57798306	Chr15.39644	Der1(+93555),Zhx2(+104198)	N/A
Chr15	57838769	57839907	Chr15.39760	Der1(+53580),Zhx2(+144173)	N/A
Chr15	57962056	57962157	Chr15.39912	Fam83a(-23312),Tbc1d31(+49908)	N/A
Chr15	58078727	58078973	Chr15.40092	Zhx1(-2361)	N/A
Chr15	58135280	58135413	Chr15.40187	Atad2(-265)	N/A
Chr15	7880478	7880728	Chr15.4019	Gdnf(+69592),Wdr70(+218606)	N/A
Chr15	58187580	58187580	Chr15.40252	Fbxo32(-27448),Wdyhv1(+4608)	N/A
Chr15	58192608	58192720	Chr15.40266	Fbxo32(+22228),Wdyhv1(+51228)	N/A
Chr15	58212215	58212522	Chr15.40317	Fbxo32(+2623),Wdyhv1(+70933)	N/A
Chr15	58214865	58214987	Chr15.40330	Fbxo32(-34)	N/A
Chr15	58216974	58217078	Chr15.40335	Fbxo32(-2134)	N/A
Chr15	58220581	58220733	Chr15.40338	Fbxo32(-5765),Kih38(+103512)	N/A
Chr15	7888751	7889012	Chr15.4034	Gdnf(+71871),Wdr70(-210327)	N/A
Chr15	58254507	58254633	Chr15.40382	Fbxo32(-39678),Kih38(+69599)	N/A
Chr15	58287309	58287414	Chr15.40397	Fbxo32(-72470),Kih38(+36807)	N/A
Chr15	7892073	7892209	Chr15.4047	Gdnf(+81130),Wdr70(+207068)	N/A
Chr15	58324031	58324426	Chr15.40493	Kih38(-60)	N/A
Chr15	58341873	58341998	Chr15.40515	Kih38(-17766),Anxa13(+22213)	N/A
Chr15	58344919	58345039	Chr15.40520	Kih38(-20810),Anxa13(+19169)	N/A
Chr15	58347493	58347653	Chr15.40529	Kih38(-23404),Anxa13(+16575)	N/A
Chr15	58352885	58352865	Chr15.40541	Kih38(-28606),Anxa13(+11373)	N/A
Chr15	3707850	3707956	Chr15.406	Ghr1(-124673),Fbxo4(+271670)	N/A
Chr15	58585299	58585421	Chr15.40788	Fer1b(+75312),Tmem65(+238170)	N/A
Chr15	58624376	58624475	Chr15.40996	Tmem65(-696)	N/A
Chr15	7934154	7934421	Chr15.4107	Gdnf(+123277),Wdr70(+164921)	N/A
Chr15	58948317	58948445	Chr15.41162	Ndufb9(+14571),Mts1(+133645)	N/A
Chr15	58980568	58980703	Chr15.41219	Ndufb9(+46826),Mts1(+101390)	N/A
Chr15	58984027	58984245	Chr15.41223	Ndufb9(-50326),Mts1(+97890)	N/A
Chr15	58989994	58990113	Chr15.41232	Ndufb9(-56246),Mts1(+91972)	N/A
Chr15	59005149	59005259	Chr15.41241	Ndufb9(+71394),Mts1(+76822)	N/A
Chr15	59041133	59041299	Chr15.41266	Mts1(+40810),Ndufb9(+107406)	N/A
Chr15	59070309	59070411	Chr15.41284	Mts1(+11666),Ndufb9(+136550)	N/A
Chr15	59070598	59070762	Chr15.41288	Mts1(+11346),Ndufb9(+136870)	N/A
Chr15	59074898	59075027	Chr15.41293	Mts1(+7063),Ndufb9(+141153)	N/A
Chr15	59080024	59080124	Chr15.41321	Mts1(+1952),Ndufb9(+146264)	N/A
Chr15	59080199	59080516	Chr15.41323	Mts1(+1668),Ndufb9(+146548)	N/A
Chr15	59082006	59082112	Chr15.41336	Mts1(-33)	N/A
Chr15	59154686	59154812	Chr15.41374	Sqle(-160332),Mts1(-72723)	N/A
Chr15	59173785	59174227	Chr15.41379	Sqle(-141075),Mts1(-91980)	N/A
Chr15	59198368	59198538	Chr15.41394	Sqle(-126630),Mts1(-106425)	N/A
Chr15	59197895	59197817	Chr15.41401	Sqle(-117330),Mts1(-115729)	N/A
Chr15	59197853	59198026	Chr15.41402	Sqle(-117141),Mts1(-115914)	N/A
Chr15	59198101	59198281	Chr15.41404	Sqle(-116890),Mts1(-116165)	N/A
Chr15	59202079	59202198	Chr15.41409	Mts1(-120113),Sqle(-112942)	N/A
Chr15	59202515	59202634	Chr15.41413	Mts1(-120549),Sqle(-112508)	N/A
Chr15	59248979	59249134	Chr15.41426	Mts1(-167031),Sqle(-66024)	N/A
Chr15	59331992	59332160	Chr15.41496	Sqle(+16995),Washc5(+42091)	N/A
Chr15	3751684	3751814	Chr15.415	Ghr1(-168519),Fbxo4(+227824)	N/A
Chr15	7986369	7986611	Chr15.4153	Wdr70(+112719),Gdnf(+175479)	N/A
Chr15	59392053	59392159	Chr15.41594	Trfb(-256244),Nance2(+17908)	N/A
Chr15	7994292	7994463	Chr15.4163	Wdr70(-104831),Gdnf(+163367)	N/A
Chr15	59486230	59486435	Chr15.41658	Trfb(-182071),Nance2(+92135)	N/A
Chr15	59480664	59481041	Chr15.41675	Trfb(-167497),Nance2(+106655)	N/A
Chr15	59481277	59481606	Chr15.41678	Trfb(-166908),Nance2(+107244)	N/A
Chr15	59524740	59524864	Chr15.41722	Trfb(-123548),Nance2(+150604)	N/A
Chr15	59526109	59526245	Chr15.41723	Trfb(-122173),Nance2(+151979)	N/A
Chr15	59529150	59529310	Chr15.41729	Trfb(-119120),Nance2(+155805)	N/A
Chr15	59537975	59538306	Chr15.41737	Trfb(-110209),Nance2(+163943)	N/A
Chr15	59549654	59549799	Chr15.41747	Trfb(-98623),Nance2(+175529)	N/A
Chr15	59550147	59550353	Chr15.41753	Trfb(-98100),Nance2(+176052)	N/A
Chr15	59567610	59567747	Chr15.41765	Trfb(-80671),Nance2(+193481)	N/A
Chr15	59585408	59585622	Chr15.41794	Trfb(-62855),Nance2(+211267)	N/A
Chr15	6038106	6038279	Chr15.4181	Wdr70(-61016),Gdnf(+227182)	N/A
Chr15	59599027	59599130	Chr15.41825	Trfb(-49271),Nance2(+224981)	N/A
Chr15	59633840	59633943	Chr15.41838	Trfb(-14458),Nance2(+259694)	N/A
Chr15	59647572	59647852	Chr15.41848	Trfb(-638)	N/A
Chr15	59647881	59647883	Chr15.41849	Trfb(-418)	N/A
Chr15	59649466	59649605	Chr15.41851	Trfb(+186)	N/A
Chr15	59650643	59650752	Chr15.41862	Trfb(+2348),4933412e24nk(+365920)	N/A
Chr15	59656100	59656210	Chr15.41911	Trfb(+7805),4933412e24nk(+360463)	N/A
Chr15	59656239	59656344	Chr15.41913	Trfb(+7942),4933412e24nk(+360326)	N/A
Chr15	59680297	59680516	Chr15.41922	Trfb(+32057),4933412e24nk(+336211)	N/A
Chr15	59698954	59698953	Chr15.41934	Trfb(+50554),4933412e24nk(+317714)	N/A
Chr15	59728174	59728615	Chr15.41952	Trfb(+80045),4933412e24nk(-286223)	N/A
Chr15	59759737	59759861	Chr15.41982	Trfb(+111449),4933412e24nk(+256819)	N/A
Chr15	59784320	59784559	Chr15.42000	Trfb(+136090),4933412e24nk(+232178)	N/A
Chr15	59823305	59823510	Chr15.42036	Trfb(+175058),4933412e24nk(+193210)	N/A
Chr15	59945323	59945606	Chr15.42082	4933412e24nk(+71153),Trfb(+297115)	N/A
Chr15	59974248	59974361	Chr15.42119	4933412e24nk(+42313),Trfb(+329955)	N/A
Chr15	60310517	60310664	Chr15.42254	4933412e24nk(-293973),Lratd2(+514489)	N/A
Chr15	60385866	60385838	Chr15.42301	4933412e24nk(-369144),Lratd2(+430318)	N/A
Chr15	60657697	60657834	Chr15.42406	4933412e24nk(-641148),Lratd2(+167314)	N/A
Chr15	60821997	60822099	Chr15.42477	4933412e24nk(-805430),Lratd2(+3032)	N/A
Chr15	60898729	60898835	Chr15.42559	Lratd2(-73702),A1bg(+22488)	N/A
Chr15	60967973	60968318	Chr15.42582	A1bg(-46876)	N/A
Chr15	61109048	61109185	Chr15.42654	Myc(-876274),A1bg(-187847)	N/A
Chr15	61109486	61109641	Chr15.42662	Myc(-875827),A1bg(-188294)	N/A
Chr15	61184255	61184653	Chr15.42732	Myc(-800937),A1bg(-263184)	N/A
Chr15	61240527	61240721	Chr15.42770	Myc(-744767),A1bg(-319354)	N/A
Chr15	61240886	61241108	Chr15.42776	Myc(-744368),A1bg(-319726)	N/A
Chr15	61294427	61294528	Chr15.42819	Myc(-690913),A1bg(-373208)	N/A
Chr15	61351925	61352042	Chr15.42882	Myc(-633407),A1bg(-430714)	N/A
Chr15	61454113	61454232	Chr15.43014	A1bg(-532903),Myc(-531218)	N/A
Chr15	61523186	61523296	Chr15.43060	A1bg(-601971),Myc(-462150)	N/A
Chr15	61541071	61541196	Chr15.43093	A1bg(-619864),Myc(-444257)	N/A
Chr15	61553161	61553490	Chr15.43114	A1bg(-632057),Myc(-432064)	N/A
Chr15	61608292	61608735	Chr15.43172	A1bg(-687244),Myc(-376877)	N/A
Chr15	61618989	61619119	Chr15.43191	A1bg(-697784),Myc(-366337)	N/A
Chr15	61619412	61619941	Chr15.43194	A1bg(-698407),Myc(-365714)	N/A
Chr15	61959684	61959886	Chr15.43425	Myc(-25616)	N/A
Chr15	61960110	61960296	Chr15.43427	Myc(-25188)	N/A
Chr15	61974218	61974353	Chr15.43441	Myc(-11108)	N/A
Chr15	61988996	61989134	Chr15.43481	Myc(+3674)	N/A
Chr15	62133091	62133194	Chr15.43574	Myc(+147752)	N/A
Chr15	62137124	62137563	Chr15.43576	Myc(+151953)	N/A
Chr15	62139290	62139500	Chr15.43584	Myc(+154004)	N/A
Chr15	62147475	62147593	Chr15.43588	Myc(+162143)	N/A
Chr15	62279561	62279716	Chr15.43682	Myc(+294248)	N/A
Chr15	62287371	62287545	Chr15.43692	Myc(+302067)	N/A
Chr15	62295337	62295469	Chr15.43700	Myc(+310012)	N/A
Chr15	62328473	62328641	Chr15.43727	Myc(+343166)	N/A
Chr15	62462993	62463005	Chr15.43821	Myc(+477558)	N/A
Chr15	62496462	62496462	Chr15.43871	Myc(+511003)	N/A
Chr15	62566140	62566500	Chr15.43911	Myc(+580929)	N/A
Chr15	62714345	62714460	Chr15.44036	Myc(+729012)	N/A
Chr15	62952678	62952972	Chr15.44228	Gsdmc(+855934),Myc(+967434)	N/A
Chr15	62953117	62953316	Chr15.44234	Gsdmc(+855541),Myc(+967827)	N/A
Chr15	62953449	62953504	Chr15.44238	Gsdmc(+855332),Myc(+968036)	N/A
Chr15	62955203	62955334	Chr15.44246	Gsdmc(+853490),Myc(+96878)	N/A

Chr15		62962893	62963149	Chr15.44252	Gsdmc(+845738),Myc(+977630)	N/A
Chr15		63105779	63105880	Chr15.44367	Gsdmc(+702929)	N/A
Chr15		63108625	63108884	Chr15.44370	Gsdmc(+702014)	N/A
Chr15		63121731	63121878	Chr15.44371	Gsdmc(+686944)	N/A
Chr15		63163515	63163614	Chr15.44393	Gsdmc(+645194)	N/A
Chr15		63163746	63163916	Chr15.44396	Gsdmc(+644928)	N/A
Chr15		63164093	63164347	Chr15.44400	Gsdmc(+644539)	N/A
Chr15		63173194	63173308	Chr15.44409	Gsdmc(+635508)	N/A
Chr15		63190036	63190287	Chr15.44424	Gsdmc(+618607)	N/A
Chr15		63270440	63270577	Chr15.44487	Gsdmc(+538250)	N/A
Chr15		63288575	63288787	Chr15.44497	Gsdmc(+520078)	N/A
Chr15		63340273	63340399	Chr15.44534	Gsdmc(+468423)	N/A
Chr15		63340449	63340726	Chr15.44535	Gsdmc(+468171)	N/A
Chr15		63360417	63360706	Chr15.44572	Gsdmc(+448197)	N/A
Chr15		63400142	63400403	Chr15.44600	Gsdmc(+409486)	N/A
Chr15		63484343	63484610	Chr15.44673	Gsdmc(+324282)	N/A
Chr15		63484645	63484822	Chr15.44677	Gsdmc(+324025)	N/A
Chr15		63531861	63531977	Chr15.44737	Gsdmc(+276840)	N/A
Chr15		63616650	63616904	Chr15.44805	Gsdmc(+191982)	N/A
Chr15		63655784	63655899	Chr15.44838	Gsdmc(+152917)	N/A
Chr15		63658064	63658240	Chr15.44840	Gsdmc(+150607)	N/A
Chr15		63658432	63658540	Chr15.44843	Gsdmc(+150273)	N/A
Chr15		63670856	63670973	Chr15.44852	Gsdmc(+137844)	N/A
Chr15		63671035	63671385	Chr15.44855	Gsdmc(+137549)	N/A
Chr15		63675384	63675857	Chr15.44864	Gsdmc(+133138)	N/A
Chr15		63680542	63680774	Chr15.44871	Gsdmc(+128101)	N/A
Chr15		63685352	63685451	Chr15.44877	Gsdmc(+123357)	N/A
Chr15		63687458	63687636	Chr15.44883	Gsdmc(+121212)	N/A
Chr15		63692623	63692807	Chr15.44887	Gsdmc(+116044)	N/A
Chr15		63736699	63736960	Chr15.44927	Gsdmc(+71929)	N/A
Chr15		63758023	63758402	Chr15.44955	Gsdmc(+50546)	N/A
Chr15		63769105	63769286	Chr15.44964	Gsdmc(+38573)	N/A
Chr15		63952388	63952542	Chr15.44998	Gsdmc(+48529),Fam49b(+107983)	N/A
Chr15		64043431	64043538	Chr15.45068	Gsdmc(+140549),Fam49b(+16963)	N/A
Chr15		64118446	64118573	Chr15.45148	Fam49b(-58062),Asap1(+264409)	N/A
Chr15		64223435	64223632	Chr15.45241	Fam49b(-163086),Asap1(+159389)	N/A
Chr15		64228282	64228997	Chr15.45243	Fam49b(-162442),Asap1(+156229)	N/A
Chr15		64242610	64242815	Chr15.45260	Fam49b(-182265),Asap1(+140206)	N/A
Chr15		64250000	64250107	Chr15.45266	Fam49b(-189606),Asap1(+132865)	N/A
Chr15		64303377	64303522	Chr15.45312	Fam49b(-243002),Asap1(+79469)	N/A
Chr15		64315036	64315374	Chr15.45335	Fam49b(-254757),Asap1(+67714)	N/A
Chr15		64323298	64323444	Chr15.45349	Fam49b(-262923),Asap1(+59548)	N/A
Chr15		64345177	64345318	Chr15.45354	Fam49b(-264800),Asap1(+37571)	N/A
Chr15		64380767	64380933	Chr15.45373	Fam49b(-320402),Asap1(+2069)	N/A
Chr15		64533034	64533196	Chr15.45420	Asap1(-150196),Adcy8(+389181)	N/A
Chr15		64613457	64613642	Chr15.45466	Asap1(-230631),Adcy8(+308746)	N/A
Chr15		64921510	64921622	Chr15.45704	Adcy8(+730)	N/A
Chr15		65308185	65308309	Chr15.45830	Elr1a(+18793),Adcy8(-385951)	N/A
Chr15		8442311	8442555	Chr15.4635	Nlplb(+2030),Cplane1(+273327)	N/A
Chr15		8442897	8443069	Chr15.4640	Nlplb(+1480),Cplane1(+273877)	N/A
Chr15		66324616	66324823	Chr15.46408	Kcnq3(-38496),Lrrc6(+176190)	N/A
Chr15		8443465	8443577	Chr15.4643	Nlplb(+942)	N/A
Chr15		8443906	8443901	Chr15.4645	Nlplb(+709)	N/A
Chr15		84441199	8444394	Chr15.4649	Nlplb(+166)	N/A
Chr15		8446862	8446966	Chr15.4654	Nlplb(-2451)	N/A
Chr15		66680333	66680434	Chr15.46753	Tg(+9631),Slc1a(+151445)	N/A
Chr15		66776214	66776430	Chr15.47019	Slc1a(+55507),Tg(+105569)	N/A
Chr15		66804127	66804250	Chr15.47069	Slc1a(+27640),Tg(+133436)	N/A
Chr15		66861916	66862047	Chr15.47135	Slc1a(-30153),Ccn4(-29338)	N/A
Chr15		66891391	66891619	Chr15.47142	Ccn4(+185)	N/A
Chr15		8569122	8569367	Chr15.4720	Gm2310(-49292),Slc1a3(+141519)	N/A
Chr15		66961653	66961892	Chr15.47254	Ndr1(+7867),Ccn4(+70453)	N/A
Chr15		67071166	67071285	Chr15.47268	Ndr1(-101586),Sl3gal1(+42766)	N/A
Chr15		8596154	8596283	Chr15.4735	Gm2310(-76266),Slc1a3(+114545)	N/A
Chr15		67899031	67899158	Chr15.47575	Sl3gal1(-785103),Zfat(+359743)	N/A
Chr15		68220095	68220276	Chr15.47792	Zfat(+38652)	N/A
Chr15		68258599	68258898	Chr15.47817	Zfat(+89)	N/A
Chr15		8629551	8629687	Chr15.4798	Gm2310(-109666),Slc1a3(+81145)	N/A
Chr15		68880914	68881089	Chr15.48171	Zfat(-622164),Kdrbs3(-47418)	N/A
Chr15		68863340	68863475	Chr15.48572	Kdrbs3(+754568)	N/A
Chr15		8644355	8644687	Chr15.4867	Gm2310(-14553),Slc1a3(+66258)	N/A
Chr15		69923965	69924129	Chr15.48683	Kdrbs3(+995627)	N/A
Chr15		8652938	8653116	Chr15.4895	Gm2310(-133074),Slc1a3(+57737)	N/A
Chr15		70713510	70713687	Chr15.49004	None	N/A
Chr15		8659616	8659695	Chr15.4909	Gm2310(-139833),Slc1a3(+50978)	N/A
Chr15		8661989	8662103	Chr15.4919	Gm2310(-142093),Slc1a3(+46718)	N/A
Chr15		8667989	8668139	Chr15.4932	Gm2310(-148111),Slc1a3(+42700)	N/A
Chr15		71763756	71763869	Chr15.49505	Fam135b(-35975),Ccl22a1(+270414)	N/A
Chr15		8710455	8710628	Chr15.5002	Slc1a3(+222)	N/A
Chr15		8712676	8712819	Chr15.5011	Slc1a3(-1984)	N/A
Chr15		8717091	8717221	Chr15.5015	Ranbp3(-251270),Slc1a3(-6392)	N/A
Chr15		8733643	8733675	Chr15.5025	Ranbp3(-234657),Slc1a3(-22965)	N/A
Chr15		73243289	73243400	Chr15.50327	Agp2(-58505),Pk2(+179846)	N/A
Chr15		73244836	73245078	Chr15.50329	Agp2(-60117),Pk2(+178234)	N/A
Chr15		8761798	8761991	Chr15.5038	Ranbp3(-206531),Slc1a3(-51131)	N/A
Chr15		73360020	73360173	Chr15.50391	Agp2(-175257),Pk2(+63094)	N/A
Chr15		73362022	73362422	Chr15.50394	Agp2(-175472),Pk2(+62879)	N/A
Chr15		73423865	73423978	Chr15.50402	Pk2(-731)	N/A
Chr15		8762069	8762174	Chr15.5043	Ranbp3(-206304),Slc1a3(-51358)	N/A
Chr15		8781247	8781448	Chr15.5053	Ranbp3(-187078),Slc1a3(-70584)	N/A
Chr15		73589075	73589239	Chr15.50664	Slc45a4(+35587),Dnm3(+76597)	N/A
Chr15		73600137	73600245	Chr15.50721	Slc45a4(-35447),Gpr20(+47314)	N/A
Chr15		73601959	73602059	Chr15.50721	Slc45a4(-67263),Gpr20(+15496)	N/A
Chr15		73697269	73697415	Chr15.50753	Slc45a4(-72599),Gpr20(+10163)	N/A
Chr15		8815373	8815715	Chr15.5078	Ranbp3(-152882),Slc1a3(-104780)	N/A
Chr15		73857649	73857775	Chr15.50870	Adgrb1(-658484),Mroh5(-18041)	N/A
Chr15		73870296	73870408	Chr15.50873	Adgrb1(-648484),Mroh5(-30681)	N/A
Chr15		73933273	73933385	Chr15.50886	Adgrb1(-582667),Mroh5(-30658)	N/A
Chr15		74535942	74536046	Chr15.51034	Adgrb1(-19798),Mroh4(+100267)	N/A
Chr15		74536632	74536818	Chr15.51035	Adgrb1(+20529),Mroh4(+99536)	N/A
Chr15		8865457	8865602	Chr15.5113	Slc1a3(-154766),Ranbp3(-102896)	N/A
Chr15		8867608	8867791	Chr15.5119	Slc1a3(-156936),Ranbp3(-100726)	N/A
Chr15		8884958	8885103	Chr15.5123	Slc1a3(-174267),Ranbp3(-83395)	N/A
Chr15		8896494	8896647	Chr15.5127	Slc1a3(-185807),Ranbp3(-71855)	N/A
Chr15		8967574	8967682	Chr15.5148	Ranbp3(-798)	N/A
Chr15		75745944	75746052	Chr15.51482	Mafa(+1924),Rhpn1(+41718)	N/A
Chr15		75756123	75756413	Chr15.51495	Mafa(-8346),Zc3h3(+85647)	N/A
Chr15		8967813	8967982	Chr15.5151	Ranbp3(-528)	N/A
Chr15		75785015	75785121	Chr15.51532	Mafa(-37146),Zc3h3(+56847)	N/A
Chr15		75788234	75789344	Chr15.51540	Mafa(-41167),Zc3h3(+52826)	N/A
Chr15		75813100	75813450	Chr15.51578	Mafa(-65353),Zc3h3(+28640)	N/A
Chr15		75818779	75818893	Chr15.51585	Mafa(-70914),Zc3h3(+23079)	N/A
Chr15		75819424	75819565	Chr15.51587	Mafa(-71573),Zc3h3(+22420)	N/A
Chr15		76012789	76013067	Chr15.52068	Fam39b(-3430)	N/A
Chr15		76072905	76073067	Chr15.52314	Scrlb(-3232)	N/A
Chr15		76074311	76074785	Chr15.52317	Scrlb(-4794)	N/A
Chr15		76080841	76080942	Chr15.52331	Puf60(+54)	N/A
Chr15		76090049	76090149	Chr15.52367	Nbp2(-86)	N/A
Chr15		76090632	76090742	Chr15.52373	Nbp2(-674)	N/A
Chr15		76090802	76090930	Chr15.52374	Nbp2(-853)	N/A
Chr15		76105537	76105637	Chr15.52472	Nbp2(-16574),Bc024139(+19955)	N/A
Chr15		76107745	76107903	Chr15.52513	Nbp2(-17811),Bc024139(+18718)	N/A
Chr15		76108514	76108821	Chr15.52549	Nbp2(-18655),Bc024139(+17874)	N/A
Chr15		76108924	76109036	Chr15.52568	Nbp2(-18967),Bc024139(+17562)	N/A
Chr15		76109281	76109404	Chr15.52579	Nbp2(-19330),Bc024139(+17199)	N/A
Chr15		76109668	76109883	Chr15.52600	Nbp2(-19763),Bc024139(+16766)	N/A
Chr15		76111045	76111155	Chr15.52670	Nbp2(-21087),Bc024139(+15442)	N/A
Chr15		76112188	76112331	Chr15.52713	Nbp2(-22247),Bc024139(+14282)	N/A
Chr15		76193957	76194086	Chr15.53387	Bc024139(-67480),Plec(+12299)	N/A
Chr15		76197972	76198073	Chr15.53399	Bc024139(-71481),Plec(+8298)	N/A
Chr15		76249618	76249741	Chr15.53532	Spate1(-18409),Gma(-2873)	N/A
Chr15		76309628	76309758	Chr15.53721	Oplah(-2592)	N/A
Chr15		76351284	76351564	Chr15.53842	Sharpl(-313),Mal1(+130)	N/A
Chr15		76446771	76446894	Chr15.54161	Scx(-10605),Mroh1(+66320)	N/A
Chr15		76452581	76452756	Chr15.54212	Scx(-4769)	N/A
Chr15		76456518	76456623	Chr15.54291	Scx(-867)	N/A
Chr15		76458754	76458918	Chr15.54298	Scx(+1398),Bop1(+18433)	N/A
Chr15		76460277	76460479	Chr15.54303	Scx(+2940),Bop1(+16891)	N/A

Chr15	76461746	76461911	Chr15.54309	Scx(+4391),Bop1(+15440)	N/A
Chr15	76462112	76462417	Chr15.54312	Scx(+4827),Bop1(+15004)	N/A
Chr15	76465575	76465744	Chr15.54320	Scx(+8222),Bop1(+11509)	N/A
Chr15	76623168	76623275	Chr15.54844	Slc39a4(-6370),Vps28(+2805)	N/A
Chr15	76646183	76646381	Chr15.54095	Tonsl(-6324),Cyhr1(+13779)	N/A
Chr15	76658638	76658789	Chr15.55024	Klf2(-1927),Cyhr1(+1347)	N/A
Chr15	76722562	76722989	Chr15.55489	Lrrc24(-603)	N/A
Chr15	77079279	77079487	Chr15.55651	Apo6(+34298),Rbfax2(+227680)	N/A
Chr15	77079512	77079661	Chr15.55654	Apo6(+34512),Rbfax2(+227466)	N/A
Chr15	77080026	77080153	Chr15.55658	Apo6(+35015),Rbfax2(+226963)	N/A
Chr15	77080528	77080673	Chr15.55662	Apo6(+35526),Rbfax2(+226452)	N/A
Chr15	77089272	77090023	Chr15.55698	Apo6(+44573),Rbfax2(+217405)	N/A
Chr15	77090543	77090683	Chr15.55700	Apo6(+45538),Rbfax2(+216440)	N/A
Chr15	77097598	77097704	Chr15.55739	Apo6(+52578),Rbfax2(+209402)	N/A
Chr15	77104399	77104897	Chr15.55757	Apo6(+59573),Rbfax2(+202405)	N/A
Chr15	77150132	77150339	Chr15.55801	Apo6(+105161),Rbfax2(+156817)	N/A
Chr15	77150530	77150827	Chr15.55808	Apo6(+105604),Rbfax2(+156374)	N/A
Chr15	77153021	77153214	Chr15.55815	Apo6(+108043),Rbfax2(+153935)	N/A
Chr15	77153668	77153926	Chr15.55826	Apo6(+108722),Rbfax2(+153256)	N/A
Chr15	77159365	77159513	Chr15.55834	Apo6(+114364),Rbfax2(+147614)	N/A
Chr15	77162743	77162863	Chr15.55843	Apo6(+117728),Rbfax2(+144250)	N/A
Chr15	77162988	77163151	Chr15.55844	Apo6(+117995),Rbfax2(+143983)	N/A
Chr15	77163276	77163775	Chr15.55847	Apo6(+118451),Rbfax2(+143527)	N/A
Chr15	77172582	77172863	Chr15.55858	Apo6(+127648),Rbfax2(+134330)	N/A
Chr15	77202375	77202555	Chr15.55870	Rbfax2(+104888),Apo6(+157390)	N/A
Chr15	77203276	77203449	Chr15.55871	Rbfax2(+103690),Apo6(+158289)	N/A
Chr15	77203617	77203853	Chr15.55882	Rbfax2(+103318),Apo6(+158660)	N/A
Chr15	77212346	77212466	Chr15.55892	Rbfax2(+94647),Apo6(+167331)	N/A
Chr15	77212786	77213064	Chr15.55894	Rbfax2(+94128),Apo6(+167850)	N/A
Chr15	77214621	77214793	Chr15.55901	Rbfax2(+92348),Apo6(+169632)	N/A
Chr15	77217515	77217640	Chr15.55908	Rbfax2(+89475),Apo6(+172503)	N/A
Chr15	77245264	77245769	Chr15.55928	Rbfax2(+61536),Apo6(+200442)	N/A
Chr15	77252223	77252349	Chr15.55940	Rbfax2(+54767),Apo6(+207211)	N/A
Chr15	77254797	77254898	Chr15.55943	Rbfax2(+52205),Apo6(+209773)	N/A
Chr15	77266185	77266522	Chr15.55948	Rbfax2(+40699),Apo6(+221279)	N/A
Chr15	77279003	77279146	Chr15.55955	Rbfax2(+27977),Apo6(+234001)	N/A
Chr15	77291587	77291745	Chr15.55966	Rbfax2(+15387),Apo6(+246591)	N/A
Chr15	77296074	77296233	Chr15.55970	Rbfax2(+10899),Apo6(+251079)	N/A
Chr15	77296539	77296639	Chr15.55974	Rbfax2(+10464),Apo6(+251514)	N/A
Chr15	77298752	77298862	Chr15.55988	Rbfax2(+8246),Apo6(+253732)	N/A
Chr15	77301185	77301467	Chr15.55994	Rbfax2(+5727),Apo6(+256251)	N/A
Chr15	77301729	77301857	Chr15.55998	Rbfax2(+52500),Apo6(+256718)	N/A
Chr15	77304677	77304800	Chr15.56001	Rbfax2(+23714),Apo6(+256664)	N/A
Chr15	77305021	77305241	Chr15.56004	Rbfax2(+1922),Apo6(+260056)	N/A
Chr15	77314975	77315137	Chr15.56016	Rbfax2(-8003),Apo7a(+84054)	N/A
Chr15	77354779	77354955	Chr15.56020	Rbfax2(-47814),Apo7a(+44243)	N/A
Chr15	77794836	77794956	Chr15.56217	Apo8(-39687),Myh9(+47279)	N/A
Chr15	77795311	77795558	Chr15.56221	Apo8(-40206),Myh9(+46749)	N/A
Chr15	77798488	77799072	Chr15.56229	Apo8(-43731),Myh9(+43215)	N/A
Chr15	77816134	77816301	Chr15.56269	Apo8(-60989),Myh9(+25957)	N/A
Chr15	77820576	77820703	Chr15.56270	Apo8(-65411),Myh9(+21535)	N/A
Chr15	77822554	77822675	Chr15.56275	Apo8(-67386),Myh9(+19560)	N/A
Chr15	77823863	77823986	Chr15.56280	Apo8(-68696),Myh9(+18250)	N/A
Chr15	77827569	77828067	Chr15.56289	Apo8(-72794),Myh9(+14162)	N/A
Chr15	77834405	77834532	Chr15.56293	Apo8(-79240),Myh9(+7706)	N/A
Chr15	77838675	77838850	Chr15.56304	Apo8(-83534),Myh9(+3412)	N/A
Chr15	77838947	77839082	Chr15.56306	Apo8(-83786),Myh9(+3160)	N/A
Chr15	77839590	77839690	Chr15.56310	Apo8(-84411),Myh9(+2535)	N/A
Chr15	77842542	77842645	Chr15.56316	Myh9(-19)	N/A
Chr15	77935769	77935940	Chr15.56344	Tnfr2(-5887),Foxm2(+20867)	N/A
Chr15	9589489	9589598	Chr15.5654	ITR(-5968),Spf2(+159324)	N/A
Chr15	78036664	78036814	Chr15.56541	Elf3d(-65915),Cacng2(+83289)	N/A
Chr15	78164681	78164807	Chr15.56697	Cacng2(-44716),Ilt2(+9364)	N/A
Chr15	78241521	78241628	Chr15.56794	Itf4(-3226)	N/A
Chr15	78437134	78437332	Chr15.57041	Kat5(-74805),Tmprss6(+31401)	N/A
Chr15	78465526	78465652	Chr15.57134	Tmprss6(+45)	N/A
Chr15	78495060	78495193	Chr15.57176	It2b(-61)	N/A
Chr15	78528339	78528448	Chr15.57216	It2b(-33328),C1qtnf6(+1231)	N/A
Chr15	78624661	78624796	Chr15.57357	Cytl4(+2763),Eln2(+93383)	N/A
Chr15	78645526	78645630	Chr15.57365	Cytl4(+48531),Eln2(+72533)	N/A
Chr15	78683616	78683802	Chr15.57428	Cytl4(-34404),Cytl4(-86652)	N/A
Chr15	78735881	78736030	Chr15.57460	Elnf2(-17843),Mfn9(+37519)	N/A
Chr15	78796875	78796994	Chr15.57606	Mfn9(-23460),Card10(+6107)	N/A
Chr15	78832484	78832587	Chr15.57629	Card10(-29494),Cdc42ap1(-10111)	N/A
Chr15	78832849	78833024	Chr15.57632	Card10(-29985),Cdc42ap1(-9710)	N/A
Chr15	78844999	78845219	Chr15.57643	Cdc42ap1(+2462),Lgals2(+10420)	N/A
Chr15	78877109	78877282	Chr15.57697	Gga1(+6)	N/A
Chr15	78913970	78914258	Chr15.57857	Pdxp(+195)	N/A
Chr15	78914299	78914536	Chr15.57862	Pdxp(+499)	N/A
Chr15	78918126	78918442	Chr15.57872	Lgals1(-8441),Pdxp(+4365)	N/A
Chr15	78947819	78947994	Chr15.57943	Triop1(-183)	N/A
Chr15	78957168	78957332	Chr15.57957	H1f1(-70623),Triop1(+9526)	N/A
Chr15	78979044	78979148	Chr15.58022	H1f1(-49116),Triop1(-31372)	N/A
Chr15	78988631	78988936	Chr15.58037	H1f1(-39427),Triop1(+41061)	N/A
Chr15	79029415	79029546	Chr15.58137	Gcal(-1393)	N/A
Chr15	9701947	9702113	Chr15.5816	ITR(-172154),Spf2(+46838)	N/A
Chr15	79042757	79042929	Chr15.58202	Gcal(+1198),Anks4(+20042)	N/A
Chr15	79042991	79043269	Chr15.58204	Gcal(+12256),Anks4(+19755)	N/A
Chr15	79151936	79152197	Chr15.58396	Poir2f(+10716),Sax10(+12423)	N/A
Chr15	79152762	79153045	Chr15.58400	Poir2f(+11553),Sax10(+11586)	N/A
Chr15	79154884	79155074	Chr15.58404	Sax10(+9511),Poir2f(+13628)	N/A
Chr15	79165746	79166085	Chr15.58445	Sax10(-1426)	N/A
Chr15	79192995	79193195	Chr15.58459	Pick1(-36078),Sax10(-28605)	N/A
Chr15	79193247	79193393	Chr15.58461	Pick1(-35683),Sax10(-28830)	N/A
Chr15	79193440	79193571	Chr15.58464	Pick1(-35667),Sax10(-29016)	N/A
Chr15	79201689	79201874	Chr15.58470	Sax10(-37292),Pick1(-27391)	N/A
Chr15	79212868	79213057	Chr15.58476	Sax10(-48473),Pick1(-16210)	N/A
Chr15	79229063	79229194	Chr15.58481	Pick1(-34)	N/A
Chr15	79229356	79229576	Chr15.58485	Pick1(+293)	N/A
Chr15	79243524	79243885	Chr15.58513	Slc16a8(+11056),Pick1(+14532)	N/A
Chr15	79285530	79285653	Chr15.58623	Baiap2f(-55)	N/A
Chr15	79327431	79327563	Chr15.58709	Pla2g6(+467)	N/A
Chr15	79328199	79328298	Chr15.58713	Pla2g6(-285)	N/A
Chr15	79351457	79351582	Chr15.58720	Maff(+3979),Tmem184b(+51783)	N/A
Chr15	79360675	79360860	Chr15.58731	Maff(+13227),Tmem184b(+42535)	N/A
Chr15	79363613	79363767	Chr15.58744	Maff(+16149),Tmem184b(+39613)	N/A
Chr15	79396879	79396981	Chr15.58778	Tmem184b(+6373),Maff(+49389)	N/A
Chr15	79401037	79401200	Chr15.58783	Tmem184b(+2184),Maff(+53578)	N/A
Chr15	79402261	79402530	Chr15.58787	Tmem184b(+857)	N/A
Chr15	79436470	79436580	Chr15.58832	Tmem184b(-3222),Csnk1e(+5474)	N/A
Chr15	79440670	79440824	Chr15.58840	Tmem184b(-37444),Csnk1e(+1252)	N/A
Chr15	79500231	79500409	Chr15.58879	Csnk1e(-58321),Kcnj4(+4921)	N/A
Chr15	79503241	79503412	Chr15.58889	Csnk1e(-61328),Kcnj4(+1914)	N/A
Chr15	79510157	79510306	Chr15.58892	Kcnj4(-4991)	N/A
Chr15	79514189	79514337	Chr15.58897	Kdel3(-2145)	N/A
Chr15	79529211	79529354	Chr15.58933	Kdel3(-12875),Ddx17(+17458)	N/A
Chr15	79533838	79533966	Chr15.58960	Ddx17(+12839),Kdel3(+17494)	N/A
Chr15	79546187	79546621	Chr15.58981	Ddx17(+337)	N/A
Chr15	79690650	79690770	Chr15.59186	Josd1(-2838),Glbpl1(-185)	N/A
Chr15	79720168	79720295	Chr15.59258	Sun2(+22304),Glbpl1(+29337)	N/A
Chr15	79721405	79721522	Chr15.59265	Sun2(-21072),Glbpl1(+30569)	N/A
Chr15	10177496	10177649	Chr15.5936	Prfr(-82)	N/A
Chr15	79774331	79774520	Chr15.59395	DnaH4(+41)	N/A
Chr15	79803972	79804082	Chr15.59450	Nptxr(-739)	N/A
Chr15	79804119	79804235	Chr15.59452	Nptxr(+589)	N/A
Chr15	79834354	79834449	Chr15.59493	Npcd(-155),Cbx6(+296)	N/A
Chr15	79834692	79834838	Chr15.59495	Npcd(-528),Cbx6(-77)	N/A
Chr15	79952023	79952180	Chr15.59544	Cbx7(-19450),Pdgb(+62706)	N/A
Chr15	79953601	79953711	Chr15.59549	Cbx7(-21004),Pdgb(+61152)	N/A
Chr15	79961496	79961630	Chr15.59553	Cbx7(-28911),Pdgb(+53245)	N/A
Chr15	80003753	80003867	Chr15.59587	Cbx7(-71158),Pdgb(+10989)	N/A
Chr15	80004745	80005200	Chr15.59597	Cbx7(-72321),Pdgb(+9835)	N/A
Chr15	80006305	80006409	Chr15.59610	Cbx7(-73705),Pdgb(+8451)	N/A
Chr15	80014157	80014452	Chr15.59631	Pdgb(+503)	N/A
Chr15	80025648	80025832	Chr15.59651	Pdgb(-10932),Rpl3(+57666)	N/A
Chr15	80026762	80026878	Chr15.59653	Pdgb(-12012),Rpl3(+56586)	N/A
Chr15	80050234	80050374	Chr15.59663	Pdgb(-35496),Rpl3(+33102)	N/A
Chr15	80054084	80054218	Chr15.59669	Pdgb(-39343),Rpl3(+29259)	N/A

Chr15	80067435	80067544	Chr15.59678	<i>Pdgfrb</i> (-52682), <i>Rpl3</i> (+15916)	N/A
Chr15	80070369	80070472	Chr15.59684	<i>Pdgfrb</i> (-55613), <i>Rpl3</i> (+12985)	N/A
Chr15	80075949	80076055	Chr15.59688	<i>Pdgfrb</i> (-61194), <i>Rpl3</i> (+7404)	N/A
Chr15	80083321	80083427	Chr15.59723	<i>Rpl3</i> (+52)	N/A
Chr15	80138458	80138582	Chr15.59767	<i>Mgat3</i> (-35201), <i>Tab1</i> (+5366)	N/A
Chr15	80171355	80171467	Chr15.59840	<i>Mgat3</i> (-2310)	N/A
Chr15	80235827	80236048	Chr15.59893	<i>Atf4</i> (-19246), <i>Miefl</i> (+1858)	N/A
Chr15	80255575	80255685	Chr15.59951	<i>Atf4</i> (+446)	N/A
Chr15	80317047	80317186	Chr15.60023	<i>Cacna1l</i> (+29879), <i>Enthd1</i> (+243353)	N/A
Chr15	80318558	80318673	Chr15.60033	<i>Cacna1l</i> (+213178), <i>Enthd1</i> (+241854)	N/A
Chr15	80530383	80530620	Chr15.60307	<i>Enthd1</i> (+29958), <i>Cacna1l</i> (+243264)	N/A
Chr15	80530767	80530874	Chr15.60313	<i>Enthd1</i> (+29649), <i>Cacna1l</i> (+243583)	N/A
Chr15	80572341	80572502	Chr15.60341	<i>Grp2l</i> (-51083), <i>Enthd1</i> (-11952)	N/A
Chr15	80593915	80594062	Chr15.60383	<i>Enthd1</i> (-33519), <i>Grp2l</i> (-29916)	N/A
Chr15	80598948	80599071	Chr15.60388	<i>Enthd1</i> (-38540), <i>Grp2l</i> (-24495)	N/A
Chr15	80601978	80602295	Chr15.60396	<i>Enthd1</i> (-41667), <i>Grp2l</i> (-21368)	N/A
Chr15	80705949	80706113	Chr15.60595	<i>Trnc6b</i> (-5288), <i>Fam83h</i> (+34184)	N/A
Chr15	80707179	80707441	Chr15.60597	<i>Trnc6b</i> (-4009)	N/A
Chr15	80709796	80709901	Chr15.60609	<i>Trnc6b</i> (-1470)	N/A
Chr15	80710697	80710891	Chr15.60614	<i>Trnc6b</i> (-322)	N/A
Chr15	80710966	80711408	Chr15.60620	<i>Trnc6b</i> (-137)	N/A
Chr15	80739459	80739867	Chr15.60635	<i>Adsl</i> (-208827), <i>Trnc6b</i> (+28344)	N/A
Chr15	80749224	80785140	Chr15.60648	<i>Adsl</i> (-163458), <i>Trnc6b</i> (+73713)	N/A
Chr15	80785661	80785888	Chr15.60655	<i>Adsl</i> (-162715), <i>Trnc6b</i> (+74456)	N/A
Chr15	80796386	80796492	Chr15.60661	<i>Adsl</i> (-152051), <i>Trnc6b</i> (+85120)	N/A
Chr15	80798170	80798601	Chr15.60666	<i>Adsl</i> (-150104), <i>Trnc6b</i> (+87067)	N/A
Chr15	80798724	80799098	Chr15.60672	<i>Adsl</i> (-149579), <i>Trnc6b</i> (+87592)	N/A
Chr15	80799323	80799430	Chr15.60676	<i>Adsl</i> (-149113), <i>Trnc6b</i> (+88058)	N/A
Chr15	80799806	80800009	Chr15.60680	<i>Adsl</i> (-148582), <i>Trnc6b</i> (+88589)	N/A
Chr15	80800046	80800247	Chr15.60681	<i>Adsl</i> (-148343), <i>Trnc6b</i> (+88828)	N/A
Chr15	80800269	80800630	Chr15.60684	<i>Adsl</i> (-148030), <i>Trnc6b</i> (+89147)	N/A
Chr15	80800825	80800930	Chr15.60688	<i>Adsl</i> (-147612), <i>Trnc6b</i> (+89559)	N/A
Chr15	80839310	80839410	Chr15.60717	<i>Adsl</i> (-109130), <i>Trnc6b</i> (+128041)	N/A
Chr15	80929616	80929774	Chr15.60815	<i>Adsl</i> (-18795), <i>Trnc6b</i> (+218376)	N/A
Chr15	80930056	80930164	Chr15.60817	<i>Adsl</i> (-18380), <i>Trnc6b</i> (+218791)	N/A
Chr15	80931347	80931513	Chr15.60827	<i>Adsl</i> (-17060), <i>Trnc6b</i> (+220111)	N/A
Chr15	80932066	80932283	Chr15.60833	<i>Adsl</i> (-16319), <i>Trnc6b</i> (+220868)	N/A
Chr15	80933218	80933332	Chr15.60842	<i>Adsl</i> (-15215), <i>Trnc6b</i> (+221956)	N/A
Chr15	80938279	80938384	Chr15.60869	<i>Adsl</i> (-10158), <i>Trnc6b</i> (+227013)	N/A
Chr15	81027439	81027566	Chr15.61100	<i>Sgsm3</i> (+49738), <i>Mtffa</i> (+77580)	N/A
Chr15	81062993	81063129	Chr15.61123	<i>Mtffa</i> (+42022), <i>Sgsm3</i> (+85296)	N/A
Chr15	81066673	81066840	Chr15.61129	<i>Mtffa</i> (+38326), <i>Sgsm3</i> (+88992)	N/A
Chr15	81068890	81067293	Chr15.61133	<i>Mtffa</i> (+7391), <i>Sgsm3</i> (+89327)	N/A
Chr15	81083290	81083597	Chr15.61151	<i>Mtffa</i> (+21639), <i>Sgsm3</i> (+105679)	N/A
Chr15	81087117	81087565	Chr15.61153	<i>Mtffa</i> (+17742), <i>Sgsm3</i> (+109576)	N/A
Chr15	81096355	81096464	Chr15.61157	<i>Mtffa</i> (+8673), <i>Sgsm3</i> (+118645)	N/A
Chr15	81104893	81105106	Chr15.61174	<i>Mtffa</i> (+483)	N/A
Chr15	81105343	81105478	Chr15.61178	<i>Mtffa</i> (+328)	N/A
Chr15	81106070	81106195	Chr15.61181	<i>Mtffa</i> (-1050)	N/A
Chr15	81110796	81110913	Chr15.61186	<i>Mchr1l</i> (-124644), <i>Mtffa</i> (-5772)	N/A
Chr15	81117384	81117499	Chr15.61188	<i>Mchr1l</i> (-118057), <i>Mtffa</i> (-12359)	N/A
Chr15	81158624	81158756	Chr15.61205	<i>Mchr1l</i> (-76809), <i>Mtffa</i> (-53607)	N/A
Chr15	81158817	81159032	Chr15.61209	<i>Mchr1l</i> (-76574), <i>Mtffa</i> (-53842)	N/A
Chr15	81159252	81159386	Chr15.61212	<i>Mchr1l</i> (-76180), <i>Mtffa</i> (-54236)	N/A
Chr15	81165061	81165234	Chr15.61215	<i>Mchr1l</i> (-70351), <i>Mtffa</i> (-60065)	N/A
Chr15	81190715	81190826	Chr15.61236	<i>Mtffa</i> (-85688), <i>Mchr1l</i> (-44728)	N/A
Chr15	81190903	81191054	Chr15.61239	<i>Mtffa</i> (-85896), <i>Mchr1l</i> (-44520)	N/A
Chr15	81255205	81255323	Chr15.61281	<i>Mchr1l</i> (+19765), <i>Slc25a17</i> (+105501)	N/A
Chr15	81467667	81467774	Chr15.61453	<i>Rbx1</i> (+1403), <i>Gm5218</i> (+31827)	N/A
Chr15	81511952	81512053	Chr15.61486	<i>Ep300</i> (-74211), <i>Gm5218</i> (-12455)	N/A
Chr15	81585103	81585231	Chr15.61472	<i>Ep300</i> (-1047)	N/A
Chr15	81586111	81586276	Chr15.61477	<i>Ep300</i> (-20)	N/A
Chr15	81586311	81586491	Chr15.61479	<i>Ep300</i> (+187)	N/A
Chr15	81587737	81587943	Chr15.61489	<i>L3mbd2</i> (-76048), <i>Ep300</i> (+1626)	N/A
Chr15	81663863	81664035	Chr15.61627	<i>L3mbd2</i> (+60)	N/A
Chr15	81726103	81726211	Chr15.61856	<i>Chadl</i> (-28870), <i>Rangap1</i> (+3762)	N/A
Chr15	81745067	81745354	Chr15.61871	<i>Zc3h7b</i> (+363)	N/A
Chr15	81746588	81746709	Chr15.61874	<i>Tefl</i> (-64765), <i>Zc3h7b</i> (+1801)	N/A
Chr15	81793983	81794105	Chr15.61955	<i>Tefl</i> (-17370), <i>Zc3h7b</i> (+49196)	N/A
Chr15	81796081	81796314	Chr15.61964	<i>Tefl</i> (-15216), <i>Zc3h7b</i> (+51330)	N/A
Chr15	81802467	81802677	Chr15.61967	<i>Tefl</i> (-6842), <i>Zc3h7b</i> (+57724)	N/A
Chr15	81802743	81802892	Chr15.61972	<i>Tefl</i> (-8566), <i>Zc3h7b</i> (+57970)	N/A
Chr15	81811384	81811502	Chr15.61993	<i>Tefl</i> (+29)	N/A
Chr15	81826465	81826688	Chr15.62059	<i>Tefl</i> (+15163), <i>Gm8444</i> (+17122)	N/A
Chr15	81826732	81826863	Chr15.62064	<i>Tefl</i> (+15384), <i>Gm8444</i> (+16901)	N/A
Chr15	81834374	81834492	Chr15.62069	<i>Gm8444</i> (+10269), <i>Tefl</i> (+23019)	N/A
Chr15	81845538	81846399	Chr15.62077	<i>Gm8444</i> (-4890)	N/A
Chr15	81852839	81853044	Chr15.62119	<i>Gm8444</i> (-9243), <i>Tob2</i> (+5384)	N/A
Chr15	81855204	81855333	Chr15.62127	<i>Gm8444</i> (-11570), <i>Tob2</i> (+3057)	N/A
Chr15	81855434	81855546	Chr15.62128	<i>Gm8444</i> (-11791), <i>Tob2</i> (+2836)	N/A
Chr15	81857017	81857125	Chr15.62134	<i>Gm8444</i> (-13372), <i>Tob2</i> (+1255)	N/A
Chr15	81872421	81872619	Chr15.62174	<i>PHS5a</i> (+514), <i>Acot2</i> (+216)	N/A
Chr15	81879988	81880088	Chr15.62189	<i>Acot2</i> (+7729), <i>Pal3</i> (+46175)	N/A
Chr15	82204586	82204699	Chr15.62797	<i>Shisa8</i> (+8172), <i>Srebf2</i> (+57377)	N/A
Chr15	82232181	82232296	Chr15.62843	<i>Tnfrsf13c</i> (-7903), <i>Cenpm</i> (+12508)	N/A
Chr15	82277578	82277746	Chr15.62908	<i>Wbp2nl</i> (-21322), <i>Sept3</i> (+2727)	N/A
Chr15	82293189	82293368	Chr15.62950	<i>Wbp2nl</i> (-5705), <i>Sept3</i> (+18344)	N/A
Chr15	82294361	82294483	Chr15.62962	<i>Wbp2nl</i> (-4562)	N/A
Chr15	10598412	10598632	Chr15.63376	<i>Ttc23l</i> (-39854), <i>Rai14</i> (+115018)	N/A
Chr15	10598832	10599007	Chr15.63785	<i>Ttc23l</i> (-40252), <i>Rai14</i> (+114620)	N/A
Chr15	82897709	82897866	Chr15.63930	<i>Cyp2d26</i> (-103543), <i>Tcf20</i> (+14346)	N/A
Chr15	82901404	82901505	Chr15.63936	<i>Cyp2d26</i> (-107210), <i>Tcf20</i> (+10679)	N/A
Chr15	82902537	82902600	Chr15.63938	<i>Cyp2d26</i> (-108424), <i>Tcf20</i> (+9465)	N/A
Chr15	82904642	82904851	Chr15.63941	<i>Cyp2d26</i> (-110502), <i>Tcf20</i> (+7387)	N/A
Chr15	82911133	82911373	Chr15.63949	<i>Tcf20</i> (+881)	N/A
Chr15	10628604	10628735	Chr15.6395	<i>Ttc23l</i> (-70002), <i>Rai14</i> (+84870)	N/A
Chr15	82912117	82912307	Chr15.63952	<i>Tcf20</i> (-78)	N/A
Chr15	82913778	82917685	Chr15.63964	<i>Tcf20</i> (-5398), <i>Nlam1</i> (+105606)	N/A
Chr15	82921010	82921213	Chr15.63969	<i>Tcf20</i> (-6978), <i>Nlam1</i> (+100206)	N/A
Chr15	82922078	82922348	Chr15.63972	<i>Tcf20</i> (-10079), <i>Nlam1</i> (+100925)	N/A
Chr15	82924896	82925026	Chr15.63979	<i>Tcf20</i> (-12827), <i>Nlam1</i> (+98177)	N/A
Chr15	82928148	82928331	Chr15.63984	<i>Tcf20</i> (-16106), <i>Nlam1</i> (+94898)	N/A
Chr15	82929869	82930053	Chr15.63988	<i>Tcf20</i> (-17827), <i>Nlam1</i> (+93177)	N/A
Chr15	82938222	82938423	Chr15.63994	<i>Tcf20</i> (-26189), <i>Nlam1</i> (+94815)	N/A
Chr15	82941788	82941998	Chr15.64001	<i>Tcf20</i> (-29759), <i>Nlam1</i> (+81245)	N/A
Chr15	82952369	82952557	Chr15.64007	<i>Tcf20</i> (-40329), <i>Nlam1</i> (+70675)	N/A
Chr15	82958482	82958758	Chr15.64009	<i>Tcf20</i> (-46486), <i>Nlam1</i> (+64518)	N/A
Chr15	82961018	82961228	Chr15.64014	<i>Tcf20</i> (-48989), <i>Nlam1</i> (+62015)	N/A
Chr15	82961307	82961483	Chr15.64017	<i>Tcf20</i> (-49261), <i>Nlam1</i> (+61743)	N/A
Chr15	82964736	82964934	Chr15.64021	<i>Tcf20</i> (-5273), <i>Nlam1</i> (+58301)	N/A
Chr15	82968541	82968662	Chr15.64027	<i>Tcf20</i> (-56468), <i>Nlam1</i> (+54536)	N/A
Chr15	82982449	82982562	Chr15.64031	<i>Tcf20</i> (-70372), <i>Nlam1</i> (+40632)	N/A
Chr15	82982898	82983003	Chr15.64034	<i>Tcf20</i> (-70817), <i>Nlam1</i> (+40187)	N/A
Chr15	82983329	82983451	Chr15.64037	<i>Tcf20</i> (-71256), <i>Nlam1</i> (+39748)	N/A
Chr15	82983613	82983755	Chr15.64040	<i>Tcf20</i> (-71550), <i>Nlam1</i> (+39454)	N/A
Chr15	82984479	82984613	Chr15.64042	<i>Tcf20</i> (-72412), <i>Nlam1</i> (+38592)	N/A
Chr15	82985438	82985538	Chr15.64045	<i>Tcf20</i> (-73354), <i>Nlam1</i> (+37650)	N/A
Chr15	83034680	83034817	Chr15.64067	<i>Serhl</i> (-65455), <i>Nlam1</i> (-11611)	N/A
Chr15	83143078	83143201	Chr15.64182	<i>Rpl3a</i> (-20339), <i>Poldip3</i> (+6244)	N/A
Chr15	83149645	83149794	Chr15.64188	<i>Poldip3</i> (-336)	N/A
Chr15	83154549	83154684	Chr15.64193	<i>Poldip3</i> (-5218), <i>Cybs5</i> (+17990)	N/A
Chr15	10637254	10637562	Chr15.6421	<i>Ttc23l</i> (-78740), <i>Rai14</i> (+76132)	N/A
Chr15	10637652	10637771	Chr15.6427	<i>Ttc23l</i> (-79044), <i>Rai14</i> (+75828)	N/A
Chr15	83417557	83417756	Chr15.64415	<i>Arfgap3</i> (-67410), <i>Pacsln2</i> (+15193)	N/A
Chr15	83425916	83426049	Chr15.64424	<i>Arfgap3</i> (-75736), <i>Pacsln2</i> (+6867)	N/A
Chr15	83432802	83432909	Chr15.64431	<i>Pacsln2</i> (-6)	N/A
Chr15	83471600	83471750	Chr15.64447	<i>Pacsln2</i> (-38825), <i>Tll1</i> (+39218)	N/A
Chr15	10673057	10673193	Chr15.6471	<i>Ttc23l</i> (-114457), <i>Rai14</i> (+40415)	N/A
Chr15	83660530	83660659	Chr15.64768	<i>Tll12</i> (-71438), <i>Scube1</i> (+58426)	N/A
Chr15	83678309	83678535	Chr15.64772	<i>Tll12</i> (-83265), <i>Scube1</i> (+46599)	N/A
Chr15	83679831	83680052	Chr15.64777	<i>Tll12</i> (-84835), <i>Scube1</i> (+45029)	N/A
Chr15	83690778	83690978	Chr15.64796	<i>Tll12</i> (-101973), <i>Scube1</i> (+57691)	N/A
Chr15	83709963	83710072	Chr15.64812	<i>Tll12</i> (-114861), <i>Scube1</i> (+15003)	N/A
Chr15	83713008	83713160	Chr15.64821	<i>Tll12</i> (-117927), <i>Scube1</i> (+11937)	N/A
Chr15	83725797	83725946	Chr15.64844	<i>Scube1</i> (-851)	N/A
Chr15	83734566	83734794	Chr15.64850	<i>Mpp</i>	

Chr15	83897503	83897695	Chr15.65024	Mpped1(+112770),Efcab6(+167750)	N/A
Chr15	10735971	10736116	Chr15.6509	C1qtnf3(-216313),Rai14(-22504)	N/A
Chr15	83967837	83968028	Chr15.65102	Efcab6(+97416),Mpped1(+183104)	N/A
Chr15	10736168	10736348	Chr15.6513	C1qtnf3(-216089),Rai14(-22718)	N/A
Chr15	83981121	83988379	Chr15.65134	Efcab6(+67099),Mpped1(+213421)	N/A
Chr15	10739169	10739274	Chr15.6522	C1qtnf3(-213135),Rai14(-25682)	N/A
Chr15	84278874	84278978	Chr15.65379	Parvg(-47193),Parvb(+46883)	N/A
Chr15	10747870	10747978	Chr15.6538	C1qtnf3(-204433),Rai14(-34384)	N/A
Chr15	10748293	10748450	Chr15.6540	C1qtnf3(-203985),Rai14(-34832)	N/A
Chr15	84314522	84314643	Chr15.65422	Parvg(-11536),Parvb(+62540)	N/A
Chr15	84414410	84414523	Chr15.65473	Shisa1(+32630),Parvg(+88348)	N/A
Chr15	10760071	10760225	Chr15.6550	C1qtnf3(-192209),Rai14(-46608)	N/A
Chr15	10814682	10814817	Chr15.6559	C1qtnf3(-137607),Rai14(-101210)	N/A
Chr15	84847907	84848019	Chr15.65640	Phf2b1(+8086),Amgap8(+127911)	N/A
Chr15	10834480	10834561	Chr15.6570	Rai14(-220871),C1qtnf3(-117848)	N/A
Chr15	10928679	10928808	Chr15.6595	Rai14(-215204),C1qtnf3(-23613)	N/A
Chr15	85162951	85163210	Chr15.66032	Fbln1(-42868),Rlbc2(+30982)	N/A
Chr15	10942061	10942228	Chr15.6607	Rai14(-228605),C1qtnf3(-10212)	N/A
Chr15	85251616	85251801	Chr15.66121	Atxn10(-84672),Fbln1(+45760)	N/A
Chr15	85272980	85273225	Chr15.66139	Atxn10(-63278),Fbln1(+67154)	N/A
Chr15	10651990	10652122	Chr15.6614	C1qtnf3(-301)	N/A
Chr15	85314561	85314784	Chr15.66178	Atxn10(-21708),Fbln1(+108724)	N/A
Chr15	10652222	10652334	Chr15.6619	C1qtnf3(-79)	N/A
Chr15	85409554	85409705	Chr15.66265	Atxn10(+73249),7530416g11nk(+93597)	N/A
Chr15	85420759	85421098	Chr15.66276	7530416g11nk(+82298),Atxn10(+84548)	N/A
Chr15	85436107	85436258	Chr15.66285	7530416g11nk(+67044),Atxn10(+90802)	N/A
Chr15	85478762	85478863	Chr15.66335	7530416g11nk(+24414),Atxn10(+142432)	N/A
Chr15	85479497	85479609	Chr15.66338	7530416g11nk(+23674),Atxn10(+143172)	N/A
Chr15	85524826	85524971	Chr15.66346	Gm4825(+14087),Wnt7b(+53171)	N/A
Chr15	85553537	85553681	Chr15.66376	Wnt7b(+24471),Gm4825(+42787)	N/A
Chr15	85581029	85581193	Chr15.66384	Wnt7b(+16599),Gm4825(+50299)	N/A
Chr15	85587104	85587206	Chr15.66386	Wnt7b(+10915),Gm4825(+56343)	N/A
Chr15	85572955	85573095	Chr15.66388	Wnt7b(+5045),Gm4825(+62213)	N/A
Chr15	85575228	85575356	Chr15.66401	Wnt7b(+2778),Gm4825(+64480)	N/A
Chr15	85576301	85576548	Chr15.66403	Wnt7b(+1645),Gm4825(+65613)	N/A
Chr15	85576649	85576806	Chr15.66405	Wnt7b(+1342),Gm4825(+65916)	N/A
Chr15	85613544	85613671	Chr15.66411	Ppara(-122168),Wnt7b(-35538)	N/A
Chr15	85652983	85653156	Chr15.66421	Ppara(-82706),Wnt7b(-75000)	N/A
Chr15	85653211	85653341	Chr15.66426	Ppara(-82500),Wnt7b(-75206)	N/A
Chr15	85657119	85657261	Chr15.66435	Wnt7b(-79120),Ppara(-78586)	N/A
Chr15	85669573	85669722	Chr15.66453	Wnt7b(-91578),Ppara(-66128)	N/A
Chr15	85687089	85687209	Chr15.66488	Wnt7b(-105079),Ppara(-48627)	N/A
Chr15	85705592	85705707	Chr15.66498	Wnt7b(-126580),Ppara(-29128)	N/A
Chr15	85975921	85976064	Chr15.67115	Celsr1(-57784),Tmmu(+96673)	N/A
Chr15	86005855	86005968	Chr15.67139	Celsr1(+27865),Tmmu(+126592)	N/A
Chr15	86020152	86020280	Chr15.67142	Celsr1(+13561),Tmmu(+140896)	N/A
Chr15	86264799	86264924	Chr15.67435	Tbc1d22a(+50403)	N/A
Chr15	87584292	87584425	Chr15.67833	Tafa5(+40871)	N/A
Chr15	88561609	88561737	Chr15.68038	Zdhc25(-38629),Tafa5(+936443)	N/A
Chr15	11066405	11066660	Chr15.6805	Adams12(+1743),Tars(+333125)	N/A
Chr15	89179079	89179180	Chr15.69340	Ptxnb2(-8442),Dnmdbb(+17344)	N/A
Chr15	89179217	89179320	Chr15.69342	Ptxnb2(-8581),Dnmdbb(+17205)	N/A
Chr15	89384951	89385077	Chr15.70085	Khoc7b(-18777)	N/A
Chr15	89425834	89425936	Chr15.70217	C73003403nk(-3704),Cpt1b(-22)	N/A
Chr15	89478224	89478323	Chr15.70384	Arsa(-849)	N/A
Chr15	89532728	89532845	Chr15.70459	Acr(-35539),Shank3(+32930)	N/A
Chr15	89556653	89556827	Chr15.70521	Acr(-11586),Shank3(+56883)	N/A
Chr15	89558392	89558493	Chr15.70527	Acr(-9883),Shank3(+58586)	N/A
Chr15	91029451	91029678	Chr15.70973	Cpne8(-349183),Klf21a(+21333)	N/A
Chr15	91050222	91050476	Chr15.70992	Klf21a(+451)	N/A
Chr15	91063897	91064026	Chr15.70997	Klf21a(-14014),Abcd2(+127845)	N/A
Chr15	91191826	91192091	Chr15.71070	Abcd2(-152)	N/A
Chr15	11457959	11458087	Chr15.71117	Tars(-58365),Npr3(+447651)	N/A
Chr15	91373340	91373539	Chr15.71180	Cn725425(+141862),Slc2a13(+199821)	N/A
Chr15	91524627	91524869	Chr15.71223	Slc2a13(+48513),Cn725425(+293170)	N/A
Chr15	91571682	91571786	Chr15.71229	Slc2a13(+1527),Cn725425(+340156)	N/A
Chr15	11466734	11466947	Chr15.7137	Tars(-67183),Npr3(+438833)	N/A
Chr15	11479364	11479524	Chr15.7147	Tars(-79786),Npr3(+426230)	N/A
Chr15	92051083	92051287	Chr15.71678	Cnrl1(+420)	N/A
Chr15	92112531	92112721	Chr15.71706	Pdzrn4(-284289),Cnrl1(+61461)	N/A
Chr15	92161265	92161571	Chr15.71728	Pdzrn4(-235497),Cnrl1(+10253)	N/A
Chr15	92285492	92285647	Chr15.71812	Pdzrn4(-111345),Cnrl1(+234405)	N/A
Chr15	11514074	11514279	Chr15.7182	Tars(-114519),Npr3(+391497)	N/A
Chr15	92398073	92398250	Chr15.71909	Pdzrn4(+1247),Gxytl1(+876999)	N/A
Chr15	11533246	11533418	Chr15.7209	Tars(-13674),Npr3(+372342)	N/A
Chr15	92571056	92571274	Chr15.72127	Pdzrn4(-174258),Gxytl1(+703996)	N/A
Chr15	92582006	92582029	Chr15.72147	Pdzrn4(+183353),Gxytl1(+694893)	N/A
Chr15	92597302	92597448	Chr15.72179	Pdzrn4(+200460),Gxytl1(+677786)	N/A
Chr15	92597564	92597664	Chr15.72182	Pdzrn4(+200699),Gxytl1(+677547)	N/A
Chr15	92599240	92599446	Chr15.72188	Pdzrn4(+202428),Gxytl1(+675818)	N/A
Chr15	92621831	92622017	Chr15.72229	Pdzrn4(-225009),Gxytl1(+653237)	N/A
Chr15	92622399	92622682	Chr15.72234	Pdzrn4(-225611),Gxytl1(+653269)	N/A
Chr15	92681250	92681420	Chr15.72340	Pdzrn4(+284420),Gxytl1(+593828)	N/A
Chr15	92740917	92741090	Chr15.72386	Pdzrn4(+344089),Gxytl1(+534157)	N/A
Chr15	92753664	92753836	Chr15.72430	Pdzrn4(+356835),Gxytl1(+521411)	N/A
Chr15	92759426	92759679	Chr15.72451	Pdzrn4(-382638),Gxytl1(+515608)	N/A
Chr15	92994251	92994505	Chr15.72723	Gxytl1(-280793),Pdzrn4(+597363)	N/A
Chr15	93133434	93133628	Chr15.72829	Gxytl1(-141630),Pdzrn4(+736616)	N/A
Chr15	93162177	93162462	Chr15.72852	Gxytl1(+112841),Pdzrn4(+765405)	N/A
Chr15	93334722	93334970	Chr15.73002	Gxytl1(-59685),Yaf2(+1962)	N/A
Chr15	93399197	93399319	Chr15.73028	Zcrb1(-924),Pphn1(+908)	N/A
Chr15	93399367	93399513	Chr15.73029	Zcrb1(-1108),Pphn1(+1090)	N/A
Chr15	93500041	93500149	Chr15.73108	Prick1(+19428),Pphn1(+101745)	N/A
Chr15	93510885	93511038	Chr15.73197	Prick1(+8561),Pphn1(+112612)	N/A
Chr15	93518380	93518486	Chr15.73216	Prick1(+1090),Pphn1(+120083)	N/A
Chr15	93518652	93518836	Chr15.73219	Prick1(+779)	N/A
Chr15	93563158	93563276	Chr15.73287	Prick1(-43694),Adams20(+841041)	N/A
Chr15	93569418	93569519	Chr15.73304	Prick1(-48949),Adams20(+853789)	N/A
Chr15	11696982	11697108	Chr15.7331	Tars(-297387),Npr3(+208629)	N/A
Chr15	93580155	93580290	Chr15.73323	Prick1(-60700),Adams20(+824035)	N/A
Chr15	93581836	93581980	Chr15.73327	Prick1(-62385),Adams20(+822350)	N/A
Chr15	93588447	93588622	Chr15.73335	Prick1(-69012),Adams20(+815723)	N/A
Chr15	93588748	93588938	Chr15.73337	Prick1(-69319),Adams20(+815416)	N/A
Chr15	93589223	93589746	Chr15.73342	Prick1(-70162),Adams20(+814573)	N/A
Chr15	11699322	11700141	Chr15.7335	Tars(-300074),Npr3(+205942)	N/A
Chr15	93590983	93591195	Chr15.73350	Prick1(-71566),Adams20(+813169)	N/A
Chr15	93591308	93591431	Chr15.73351	Prick1(-71847),Adams20(+812888)	N/A
Chr15	93591807	93591936	Chr15.73355	Prick1(-72349),Adams20(+812386)	N/A
Chr15	93593914	93594322	Chr15.73364	Prick1(-74559),Adams20(+810140)	N/A
Chr15	93594356	93594623	Chr15.73367	Prick1(-74967),Adams20(+809786)	N/A
Chr15	11712266	11712634	Chr15.7339	Tars(-312792),Npr3(+193224)	N/A
Chr15	93630023	93630253	Chr15.73401	Prick1(-110615),Adams20(+774120)	N/A
Chr15	93643973	93644106	Chr15.73417	Prick1(-124517),Adams20(+760218)	N/A
Chr15	93644144	93644279	Chr15.73419	Prick1(-124689),Adams20(+760046)	N/A
Chr15	93645749	93646240	Chr15.73422	Prick1(-126472),Adams20(+758263)	N/A
Chr15	93651408	93651537	Chr15.73434	Prick1(-1315150),Adams20(+752785)	N/A
Chr15	93655408	93655525	Chr15.73439	Prick1(-135944),Adams20(+748791)	N/A
Chr15	93656776	93656995	Chr15.73440	Prick1(-137363),Adams20(+747372)	N/A
Chr15	93681808	93681967	Chr15.73457	Prick1(-162365),Adams20(+722370)	N/A
Chr15	11712685	11712798	Chr15.7346	Tars(-313074),Npr3(+192942)	N/A
Chr15	93685434	93685444	Chr15.73460	Prick1(-168686),Adams20(+717869)	N/A
Chr15	93686222	93686474	Chr15.73478	Prick1(-178825),Adams20(+705910)	N/A
Chr15	93693436	93694461	Chr15.73484	Prick1(-179881),Adams20(+704854)	N/A
Chr15	93699898	93700004	Chr15.73489	Prick1(-180428),Adams20(+704307)	N/A
Chr15	93707756	93707979	Chr15.73501	Prick1(-188345),Adams20(+696390)	N/A
Chr15	93710509	93711059	Chr15.73509	Prick1(-191211),Adams20(+693524)	N/A
Chr15	93712435	93712553	Chr15.73530	Prick1(-192971),Adams20(+691764)	N/A
Chr15	93713318	93713454	Chr15.73532	Prick1(-193863),Adams20(+690872)	N/A
Chr15	93713532	93713709	Chr15.73535	Prick1(-194098),Adams20(+690637)	N/A
Chr15	93713899	93714048	Chr15.73539	Prick1(-194451),Adams20(+690284)	N/A
Chr15	93714171	93714363	Chr15.73542	Prick1(-194744),Adams20(+689991)	N/A
Chr15	93734001	93734162	Chr15.73551	Prick1(-214559),Adams20(+670176)	N/A
Chr15	93734321	93734707	Chr15.73554	Prick1(-214991),Adams20(+669744)	N/A
Chr15	93734739	93734879	Chr15.73558	Prick1(-215286),Adams20(+669449)	N/A
Chr15	93771173	93771303	Chr15.73610	Prick1(-251715),Adams20(+633020)	N/A
Chr15	93787435	93787572	Chr15.73627	Prick1(-267981),Adams20(+618754)	N/A
Chr15	93790455	93790680	Chr15.73647	Prick1(-271035),Adams20(+613700)	N/A
Chr15	93790822	93790934	Chr15.73653	Prick1(-271355),Adams20(+613380)	N/A

Chr15	93791682	93791863	Chr15.73658	Prickle1(-272250),Adamts20(+612485)	N/A
Chr15	93825456	93825587	Chr15.73680	Prickle1(-305999),Adamts20(+578736)	N/A
Chr15	93825638	93825746	Chr15.73683	Prickle1(-306169),Adamts20(+578958)	N/A
Chr15	93832458	93832632	Chr15.73694	Prickle1(-313022),Adamts20(+571713)	N/A
Chr15	93832713	93832867	Chr15.73698	Prickle1(-313267),Adamts20(+571468)	N/A
Chr15	93849810	93849956	Chr15.73715	Prickle1(-330360),Adamts20(+554375)	N/A
Chr15	93850465	93850772	Chr15.73718	Prickle1(-331096),Adamts20(+553639)	N/A
Chr15	93904045	93904431	Chr15.73767	Prickle1(-384715),Adamts20(+500020)	N/A
Chr15	93910977	93911538	Chr15.73791	Prickle1(-391735),Adamts20(+493000)	N/A
Chr15	93917169	93917367	Chr15.73805	Prickle1(-397745),Adamts20(+486960)	N/A
Chr15	93919812	93919927	Chr15.73813	Prickle1(-400347),Adamts20(+484388)	N/A
Chr15	93927173	93927295	Chr15.73823	Prickle1(-407711),Adamts20(+477024)	N/A
Chr15	11742044	11742251	Chr15.7383	Tars(-342490),Npr3(+163526)	N/A
Chr15	93932502	93932659	Chr15.73834	Prickle1(-413058),Adamts20(+471677)	N/A
Chr15	93932808	93933031	Chr15.73833	Prickle1(-413397),Adamts20(+471338)	N/A
Chr15	93933292	93933398	Chr15.73843	Prickle1(-413822),Adamts20(+470913)	N/A
Chr15	11742520	11742666	Chr15.7386	Tars(-342935),Npr3(+163081)	N/A
Chr15	93964767	93964923	Chr15.73877	Prickle1(-445322),Adamts20(+439413)	N/A
Chr15	93981071	93981233	Chr15.73887	Prickle1(-461629),Adamts20(+423106)	N/A
Chr15	93989813	93989109	Chr15.73895	Prickle1(-469438),Adamts20(+415297)	N/A
Chr15	94004027	94004204	Chr15.73916	Prickle1(-484593),Adamts20(+400142)	N/A
Chr15	94005540	94005644	Chr15.73917	Prickle1(-486069),Adamts20(+398666)	N/A
Chr15	94006165	94006266	Chr15.73923	Prickle1(-486693),Adamts20(+398042)	N/A
Chr15	94011693	94011881	Chr15.73938	Prickle1(-492264),Adamts20(+392471)	N/A
Chr15	94025339	94025698	Chr15.73946	Prickle1(-505996),Adamts20(+378739)	N/A
Chr15	94072737	94073039	Chr15.73974	Prickle1(-553385),Adamts20(+331370)	N/A
Chr15	11770683	11771038	Chr15.7401	Tars(-371203),Npr3(+134813)	N/A
Chr15	94139592	94139747	Chr15.74017	Prickle1(-620147),Adamts20(+264588)	N/A
Chr15	94189847	94190017	Chr15.74054	Prickle1(-670409),Adamts20(+214326)	N/A
Chr15	94190200	94190478	Chr15.74058	Prickle1(-670816),Adamts20(+213919)	N/A
Chr15	94219408	94218517	Chr15.74094	Prickle1(-689940),Adamts20(+185795)	N/A
Chr15	94220725	94220986	Chr15.74107	Prickle1(-701338),Adamts20(+183397)	N/A
Chr15	94231296	94231426	Chr15.74119	Prickle1(-711838),Adamts20(+172897)	N/A
Chr15	94238090	94238501	Chr15.74130	Prickle1(-718773),Adamts20(+165962)	N/A
Chr15	94239222	94239433	Chr15.74135	Prickle1(-719805),Adamts20(+164930)	N/A
Chr15	94250170	94250297	Chr15.74145	Prickle1(-730711),Adamts20(+154024)	N/A
Chr15	94276546	94276731	Chr15.74165	Prickle1(-757116),Adamts20(+127619)	N/A
Chr15	94392823	94393261	Chr15.74352	Prickle1(-873519),Adamts20(+11216)	N/A
Chr15	94422816	94422929	Chr15.74383	Adamts20(-18615),Pus7(+120674)	N/A
Chr15	94430714	94430819	Chr15.74394	Adamts20(-26509),Pus7(+112780)	N/A
Chr15	94442945	94443105	Chr15.74407	Adamts20(-38767),Pus7(+100522)	N/A
Chr15	94444099	94444313	Chr15.74409	Adamts20(-39948),Pus7(+99341)	N/A
Chr15	94444470	94444779	Chr15.74413	Adamts20(-40367),Pus7(+98922)	N/A
Chr15	94444993	94445202	Chr15.74418	Adamts20(-40840),Pus7(+98449)	N/A
Chr15	94461020	94461132	Chr15.74430	Adamts20(-56818),Pus7(+82471)	N/A
Chr15	94462341	94462619	Chr15.74435	Adamts20(-58222),Pus7(+81067)	N/A
Chr15	94495952	94496123	Chr15.74456	Adamts20(-91780),Pus7(+47509)	N/A
Chr15	11802615	11802758	Chr15.7454	Tars(-403029),Npr3(+102987)	N/A
Chr15	94583554	94583675	Chr15.74560	Twrf(+6264),Inak4(+39972)	N/A
Chr15	94659170	94659278	Chr15.74603	Tmem117(+30039),Nell2(+869482)	N/A
Chr15	94821338	94821467	Chr15.74718	Tmem117(+192218),Nell2(+707303)	N/A
Chr15	95081718	95081886	Chr15.74974	Nell2(+446904),Tmem117(+452617)	N/A
Chr15	95216435	95216534	Chr15.75081	Nell2(+312221),Tmem117(+587300)	N/A
Chr15	95216795	95216922	Chr15.75083	Nell2(+311847),Tmem117(+587674)	N/A
Chr15	11844972	11845140	Chr15.75111	Tars(-445398),Npr3(+60618)	N/A
Chr15	95251860	95252031	Chr15.75134	Nell2(+276760),Tmem117(+622761)	N/A
Chr15	95526935	95527068	Chr15.75373	Nell2(+1704),Tmem117(+897817)	N/A
Chr15	95829568	95829813	Chr15.75633	And2(-457882),A13005j06nk(-38049)	N/A
Chr15	95879773	95879890	Chr15.75651	And2(-12896),A13005j06nk(-83235)	N/A
Chr15	11878482	11878623	Chr15.7566	Tars(-478895),Npr3(+27121)	N/A
Chr15	95948596	95948764	Chr15.75742	And2(-33893),A13005j06nk(-157038)	N/A
Chr15	95964342	95964489	Chr15.75772	And2(-323157),A13005j06nk(-172774)	N/A
Chr15	96012597	96012924	Chr15.75818	And2(-274812),A13005j06nk(-221119)	N/A
Chr15	96010343	96010343	Chr15.75875	A13005j06nk(-312151),And2(-183780)	N/A
Chr15	96178167	96178301	Chr15.75931	A13005j06nk(-386592),And2(-109339)	N/A
Chr15	96286649	96286889	Chr15.75975	And2(-804)	N/A
Chr15	96288419	96288618	Chr15.75979	And2(+946)	N/A
Chr15	96290152	96290299	Chr15.75988	And2(+2653),Scaff11(+170617)	N/A
Chr15	11905950	11906201	Chr15.7613	Npr3(-402)	N/A
Chr15	96406984	96406104	Chr15.76154	Scaff11(-209)	N/A
Chr15	96480194	96480343	Chr15.76167	Scaff11(-29426),Slc38a1(+152693)	N/A
Chr15	96574298	96574423	Chr15.76201	Scaff11(-113518),Slc38a1(+67601)	N/A
Chr15	4375392	4375635	Chr15.763	Ptxcd3(+10)	N/A
Chr15	96640820	96640923	Chr15.76305	Scaff11(-180029),Slc38a1(+1090)	N/A
Chr15	96661243	96661423	Chr15.76311	Slc38a1(-19377),Slc38a2(+38365)	N/A
Chr15	96682332	96682560	Chr15.76312	Slc38a1(-40494),Slc38a2(+17525)	N/A
Chr15	96688713	96688874	Chr15.76326	Slc38a1(-46832),Slc38a2(+10904)	N/A
Chr15	96693805	96693953	Chr15.76368	Slc38a1(-51917),Slc38a2(+5819)	N/A
Chr15	96700550	96700787	Chr15.76391	Slc38a2(-971)	N/A
Chr15	96708914	96709038	Chr15.76396	Slc38a2(-9278),Gm8888(+58165)	N/A
Chr15	96728420	96728665	Chr15.76425	Slc38a2(-28843),Gm8888(+38599)	N/A
Chr15	96728991	96729192	Chr15.76430	Slc38a2(-29394),Gm8888(+38049)	N/A
Chr15	96734417	96734547	Chr15.76433	Slc38a2(-34784),Gm8888(+32659)	N/A
Chr15	96756104	96756296	Chr15.76453	Slc38a2(-56502),Gm8888(+10941)	N/A
Chr15	96759193	96759389	Chr15.76455	Slc38a2(-59593),Gm8888(+7850)	N/A
Chr15	96874140	96874425	Chr15.76556	Gm8888(-107142),Slc38a4(+181673)	N/A
Chr15	96874783	96875151	Chr15.76558	Gm8888(-107826),Slc38a4(+180909)	N/A
Chr15	96877297	96877476	Chr15.76567	Gm8888(-110246),Slc38a4(+178569)	N/A
Chr15	96877933	96878092	Chr15.76572	Gm8888(-110872),Slc38a4(+177943)	N/A
Chr15	96881465	96881668	Chr15.76577	Gm8888(-114426),Slc38a4(+174389)	N/A
Chr15	96881768	96881905	Chr15.76581	Gm8888(-114696),Slc38a4(+174119)	N/A
Chr15	96881964	96882264	Chr15.76585	Gm8888(-114973),Slc38a4(+173842)	N/A
Chr15	96901223	96900264	Chr15.76602	Gm8888(-141053),Slc38a4(+147762)	N/A
Chr15	96932669	96933103	Chr15.76629	Gm8888(-165895),Slc38a4(+122920)	N/A
Chr15	96975196	96975312	Chr15.76640	Gm8888(-208113),Slc38a4(+80702)	N/A
Chr15	97000847	97001013	Chr15.76673	Gm8888(-233789),Slc38a4(+55028)	N/A
Chr15	97004305	97004446	Chr15.76677	Gm8888(-237235),Slc38a4(+51580)	N/A
Chr15	97041374	97041528	Chr15.76754	Gm8888(-274310),Slc38a4(+14505)	N/A
Chr15	97050115	97050240	Chr15.76760	Gm8888(-283037),Slc38a4(+5778)	N/A
Chr15	97055902	97056103	Chr15.76764	Slc38a4(-47)	N/A
Chr15	97151885	97152040	Chr15.76780	Slc38a4(-96007),Pced1b(-95144)	N/A
Chr15	97178414	97178548	Chr15.76797	Slc38a4(-122525),Pced1b(-68626)	N/A
Chr15	97184298	97184489	Chr15.76802	Slc38a4(-128438),Pced1b(-62713)	N/A
Chr15	12066810	12066918	Chr15.76807	Sub1(-70806),Zfr(-50967)	N/A
Chr15	97248123	97248238	Chr15.76879	Amigo2(-894)	N/A
Chr15	97288828	97288978	Chr15.76909	Amigo2(-41616),Rpap3(+416919)	N/A
Chr15	97351044	97351212	Chr15.76936	Amigo2(-103841),Rpap3(+354694)	N/A
Chr15	97446385	97446508	Chr15.77000	Amigo2(-199160),Rpap3(+259375)	N/A
Chr15	97593851	97594034	Chr15.77030	Amigo2(-346656),Rpap3(+111879)	N/A
Chr15	97670722	97671797	Chr15.77043	Amigo2(-359823),Rpap3(+98712)	N/A
Chr15	97762885	97763117	Chr15.77256	Endou(-41851),Rapgef3(+4845)	N/A
Chr15	97765515	97765633	Chr15.77261	Endou(-44424),Rapgef3(+2272)	N/A
Chr15	97767626	97767779	Chr15.77273	Rapgef3(+143)	N/A
Chr15	97767971	97768113	Chr15.77275	Rapgef3(-196)	N/A
Chr15	97801115	97801289	Chr15.77356	Slc48a1(+16847),Hdac7(+43100)	N/A
Chr15	97821355	97821463	Chr15.77404	Hdac7(+22693),Slc48a1(+37054)	N/A
Chr15	97824180	97824377	Chr15.77411	Hdac7(+20023),Slc48a1(+39924)	N/A
Chr15	97824414	97824664	Chr15.77415	Hdac7(+19763),Slc48a1(+40184)	N/A
Chr15	97825519	97825519	Chr15.77419	Hdac7(+18951),Slc48a1(+40996)	N/A
Chr15	97826502	97826502	Chr15.77427	Hdac7(+15855),Slc48a1(+44062)	N/A
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Chr15	97832167	97832268	Chr15.77440	Hdac7(+12084),Slc48a1(+47863)	N/A
Chr15	97832331	97832471	Chr15.77441	Hdac7(+11901),Slc48a1(+48046)	N/A
Chr15	97837894	97837823	Chr15.77450	Hdac7(+6543),Slc48a1(+53404)	N/A
Chr15	97837861	97837974	Chr15.77452	Hdac7(+6384),Slc48a1(+53363)	N/A
Chr15	97840012	97840134	Chr15.77457	Hdac7(+4220),Slc48a1(+55718)	N/A
Chr15	97840205	97840338	Chr15.77459	Hdac7(+4030),Slc48a1(+55917)	N/A
Chr15	97871078	97871220	Chr15.77513	Hdac7(-26847),Vdr(+37161)	N/A
Chr15	97878814	97878999	Chr15.77522	Hdac7(-34605),Vdr(+29403)	N/A
Chr15	97892666	97892788	Chr15.77546	Hdac7(-48425),Vdr(+15583)	N/A
Chr15	97904384	97904501	Chr15.77561	Hdac7(-60141),Vdr(+3867)	N/A
Chr15	97907252	97907417	Chr15.77571	Vdr(+975)	N/A
Chr15	97913693	97913966	Chr15.77578	Tmem106c(-50399),Vdr(-5520)	N/A
Chr15	97914442	97914568	Chr15.77586	Tmem106c(-49724),Vdr(-6195)	N/A
Chr15	97938830	97938941	Chr15.77607	Vdr(-30276),Tmem106c(-25343)	N/A
Chr15	97950603	97950462	Chr15.77623	Vdr(-42073),Tmem106c(-13846)	N/A
Chr15	97956408	97956541	Chr15.77624	Vdr(-48165),Tmem106c(-7754)	N/A

Chr15		97990129	97990461	Chr15.77750	Col2a1(+14400), Tmem106c(+26066)	N/A
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Chr15		97997871	97998007	Chr15.77785	Col2a1(+6756), Tmem106c(+33710)	N/A
Chr15		98001376	98001503	Chr15.77806	Col2a1(+3255), Tmem106c(+37211)	N/A
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Chr15		98020105	98020221	Chr15.77857	Col2a1(+15468), Semp1(+73581)	N/A
Chr15		98027472	98027700	Chr15.77863	Col2a1(-22891), Semp1(+66158)	N/A
Chr15		98033518	98033644	Chr15.77867	Col2a1(-28886), Semp1(+60163)	N/A
Chr15		98034046	98034229	Chr15.77870	Col2a1(-29443), Semp1(+59606)	N/A
Chr15		98040854	98040969	Chr15.77879	Col2a1(-36217), Semp1(+52832)	N/A
Chr15		98042066	98042187	Chr15.77883	Col2a1(-37432), Semp1(+51617)	N/A
Chr15		98049282	98049548	Chr15.77912	Col2a1(-44710), Semp1(+44339)	N/A
Chr15		98050583	98050708	Chr15.77915	Col2a1(-45951), Semp1(+43098)	N/A
Chr15		98092462	98092613	Chr15.77964	Col2a1(-87843), Semp1(+1206)	N/A
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Chr15		98135625	98135731	Chr15.78090	Plkm(+27207), Asb8(+29947)	N/A
Chr15		98167755	98167880	Chr15.78121	Asb8(-2193), Ccdc184(+12)	N/A
Chr15		98169029	98169146	Chr15.78130	Asb8(-3463), Ccdc184(+1282)	N/A
Chr15		12244203	12244341	Chr15.7816	Golph3(-77224), Mtmr12(+39244)	N/A
Chr15		12251803	12251918	Chr15.7822	Golph3(-69635), Mtmr12(+46832)	N/A
Chr15		98420473	98420619	Chr15.78355	Off(-283(-41349), Off(-282(-16924)	N/A
Chr15		98519718	98519852	Chr15.78496	Kansl2(+14436), Off(-279(+22311)	N/A
Chr15		98602577	98602801	Chr15.78742	Adcy6(+4944), 4930415o20rk(+31685)	N/A
Chr15		98603385	98603524	Chr15.78749	Adcy6(+4178), 4930415o20rk(+32451)	N/A
Chr15		98607780	98607899	Chr15.78775	Adcy6(-202)	N/A
Chr15		98629635	98629750	Chr15.78793	Adcy6(-22060), Cacnb3(-5071)	N/A
Chr15		12272112	12272230	Chr15.7880	Golph3(-49325), Mtmr12(+67143)	N/A
Chr15		98633038	98633175	Chr15.78800	Cacnb3(-1657)	N/A
Chr15		98635882	98636045	Chr15.78810	Cacnb3(+1200), Ddx23(+26925)	N/A
Chr15		98636579	98636797	Chr15.78813	Cacnb3(+1924), Ddx23(+26201)	N/A
Chr15		98643795	98643932	Chr15.78873	Cacnb3(+9100), Ddx23(+19025)	N/A
Chr15		98662816	98662937	Chr15.78919	Ddx23(+12)	N/A
Chr15		98674617	98674776	Chr15.78960	Ddx23(-11808), Rnd1(+2764)	N/A
Chr15		98677483	98677589	Chr15.78980	Rnd1(-75)	N/A
Chr15		98691551	98691716	Chr15.78996	Ccdc65(-16573), Rnd1(-14173)	N/A
Chr15		98696779	98697007	Chr15.78999	Rnd1(-22452), Ccdc65(-8314)	N/A
Chr15		98742307	98742478	Chr15.79081	Fkbp11(-14148), Arf3(-20818)	N/A
Chr15		98744404	98744636	Chr15.79093	Fkbp11(-16322), Arf3(+18691)	N/A
Chr15		98744747	98744914	Chr15.79096	Fkbp11(-16633), Arf3(+18380)	N/A
Chr15		98761841	98762021	Chr15.79102	Fkbp11(-33733), Arf3(+1280)	N/A
Chr15		98762131	98762338	Chr15.79104	Arf3(+976)	N/A
Chr15		98763119	98763324	Chr15.79109	Arf3(-11)	N/A
Chr15		98775673	98775783	Chr15.79144	Arf3(-12517), Wnt10b(+2422)	N/A
Chr15		98775950	98776156	Chr15.79146	Arf3(-12842), Wnt10b(+2097)	N/A
Chr15		98777945	98778065	Chr15.79165	Wnt10b(+145)	N/A
Chr15		98778148	98778247	Chr15.79167	Wnt10b(-48)	N/A
Chr15		98780159	98780416	Chr15.79174	Wnt10b(-2138)	N/A
Chr15		98780669	98780808	Chr15.79177	Wnt10b(-2589)	N/A
Chr15		98789661	98789946	Chr15.79187	Wnt1(-53)	N/A
Chr15		98796693	98797136	Chr15.79228	Wnt1(+7058), Ddn(+11010)	N/A
Chr15		98797885	98798585	Chr15.79232	Wnt1(+8378), Ddn(+9690)	N/A
Chr15		98808299	98808517	Chr15.79270	Ddn(-483)	N/A
Chr15		98808657	98809105	Chr15.79276	Ddn(-1106)	N/A
Chr15		98831640	98831930	Chr15.79319	Prkag1(-277)	N/A
Chr15		98832198	98832307	Chr15.79320	Prkag1(-745)	N/A
Chr15		98832348	98832488	Chr15.79322	Prkag1(-910)	N/A
Chr15		98832554	98834595	Chr15.79323	Prkag1(-2067)	N/A
Chr15		98867376	98867701	Chr15.79607	Prkag1(-36031), Kmt2d(+3644)	N/A
Chr15		98868736	98868863	Chr15.79614	Prkag1(-37392), Kmt2d(+2483)	N/A
Chr15		98869475	98869619	Chr15.79616	Prkag1(-38039), Kmt2d(+1636)	N/A
Chr15		98870261	98870394	Chr15.79622	Kmt2d(+855)	N/A
Chr15		98870574	98871132	Chr15.79626	Kmt2d(+330)	N/A
Chr15		98871242	98871495	Chr15.79631	Kmt2d(-186)	N/A
Chr15		98871532	98872344	Chr15.79633	Kmt2d(-750)	N/A
Chr15		98872449	98872620	Chr15.79643	Kmt2d(-1382)	N/A
Chr15		98881464	98881644	Chr15.79667	Rhebl1(-150)	N/A
Chr15		98895696	98895891	Chr15.79721	Rhebl1(-14390), Dhh(+2746)	N/A
Chr15		98896300	98896464	Chr15.79723	Rhebl1(-14978), Dhh(+2158)	N/A
Chr15		98897649	98897756	Chr15.79729	Dhh(+837)	N/A
Chr15		98898420	98898551	Chr15.79740	Dhh(+54)	N/A
Chr15		98952298	98952482	Chr15.79842	Tuba1b(-17825), Tuba1a(+1161)	N/A
Chr15		98953502	98953790	Chr15.79847	Tuba1a(-95)	N/A
Chr15		98954801	98954950	Chr15.79852	Tuba1a(-1325)	N/A
Chr15		98956078	98956219	Chr15.79858	Tuba1a(-2598)	N/A
Chr15		98977328	98977501	Chr15.79871	Gm8973(-32666), Tuba1a(-19839)	N/A
Chr15		98977278	98977408	Chr15.79873	Gm8973(-28713), Tuba1a(-23792)	N/A
Chr15		98977865	98978041	Chr15.79883	Gm8973(-28103), Tuba1a(-24402)	N/A
Chr15		98983534	98983772	Chr15.79889	Tuba1a(-30102), Gm8973(-22403)	N/A
Chr15		98992615	98992803	Chr15.79901	Tuba1a(-39158), Gm8973(-13347)	N/A
Chr15		99018099	99018340	Chr15.79914	Tuba1a(-11671), Gm8973(+12164)	N/A
Chr15		99041306	99041408	Chr15.79943	Prph(-13817), Tuba1c(+11466)	N/A
Chr15		99053474	99053574	Chr15.79947	Prph(-1650)	N/A
Chr15		99088389	99088488	Chr15.80055	C1ql4(-622)	N/A
Chr15		99089154	99089319	Chr15.80057	C1ql4(-1420)	N/A
Chr15		99090187	99090379	Chr15.80061	C1ql4(-2466)	N/A
Chr15		99093557	99093624	Chr15.80072	C1ql4(-5923), Dnajc22(-5672)	N/A
Chr15		99096978	99097126	Chr15.80091	Dnajc22(-2360)	N/A
Chr15		99097664	99097771	Chr15.80094	Dnajc22(-1694)	N/A
Chr15		99097823	99097929	Chr15.80096	Dnajc22(-1536)	N/A
Chr15		99098256	99098359	Chr15.80098	Dnajc22(-1104)	N/A
Chr15		99130503	99130716	Chr15.80141	Kcnh3(-94566), Spats2(+4032)	N/A
Chr15		99207497	99207797	Chr15.80192	Kcnh3(-17329), Spats2(+81069)	N/A
Chr15		99221720	99221843	Chr15.80240	Kcnh3(-3194)	N/A
Chr15		99223697	99223797	Chr15.80242	Kcnh3(-1229)	N/A
Chr15		99224484	99224590	Chr15.80244	Kcnh3(-439)	N/A
Chr15		12394966	12395205	Chr15.8029	Golph3(+73590), Pdcd2(+197470)	N/A
Chr15		99250163	99250376	Chr15.80390	Msr1(+1691), Kcnh3(+25294)	N/A
Chr15		99250436	99250620	Chr15.80393	Msr1(+1433), Kcnh3(+25552)	N/A
Chr15		99251855	99252020	Chr15.80396	Msr1(+23)	N/A
Chr15		99316741	99316934	Chr15.80512	Prpf40b(+21567), Fmn3(+53644)	N/A
Chr15		99318280	99318384	Chr15.80521	Prpf40b(+23061), Fmn3(+52150)	N/A
Chr15		99319717	99319830	Chr15.80535	Prpf40b(+24503), Fmn3(+50708)	N/A
Chr15		99326491	99326650	Chr15.80595	Prpf40b(+31300), Fmn3(+43911)	N/A
Chr15		99333011	99333265	Chr15.80616	Fmn3(-37344), Prpf40b(-37867)	N/A
Chr15		99334574	99334701	Chr15.80626	Fmn3(+35844), Prpf40b(-39367)	N/A
Chr15		99342676	99342886	Chr15.80635	Fmn3(+27701), Prpf40b(-47510)	N/A
Chr15		99344669	99344785	Chr15.80648	Fmn3(+25755), Prpf40b(-49456)	N/A
Chr15		99345143	99345276	Chr15.80650	Fmn3(+25273), Prpf40b(+49938)	N/A
Chr15		99350398	99350614	Chr15.80660	Fmn3(+13976), Prpf40b(+51235)	N/A
Chr15		99365124	99365214	Chr15.80671	Fmn3(+5319), Prpf40b(+68902)	N/A
Chr15		99369128	99369261	Chr15.80676	Fmn3(+1287), Prpf40b(+73924)	N/A
Chr15		12404361	12404469	Chr15.8070	Golph3(+82919), Pdcd2(+188141)	N/A
Chr15		99395978	99395979	Chr15.80701	Tmbim6(+6797), Nckap5(+58069)	N/A
Chr15		99455002	99455141	Chr15.80825	Nckap5(+2678), Tmbim6(+62190)	N/A
Chr15		99455336	99455437	Chr15.80827	Nckap5(+2361), Tmbim6(+62555)	N/A
Chr15		99455605	99455804	Chr15.80829	Nckap5(+2043), Tmbim6(+62823)	N/A
Chr15		99457257	99457389	Chr15.80835	Nckap5(+425)	N/A
Chr15		99458107	99458239	Chr15.80839	Nckap5(-425)	N/A
Chr15		99489830	99489847	Chr15.80879	Bcdln3d(-24259), Faim2(+29028)	N/A
Chr15		99502612	99502725	Chr15.80884	Bcdln3d(-27939), Faim2(+23349)	N/A
Chr15		99511669	99511773	Chr15.80895	Bcdln3d(-36991), Faim2(+16296)	N/A
Chr15		99512268	99512384	Chr15.80897	Bcdln3d(-37596), Faim2(+15691)	N/A
Chr15		4411381	4411505	Chr15.809	C6(-315732), Plcx3(+35939)	N/A
Chr15		99527576	99527733	Chr15.80935	Faim2(+362)	N/A
Chr15		99607777	99607977	Chr15.81098	Agp6(+6477), Racgap1(+43766)	N/A
Chr15		99611198	99611311	Chr15.81101	Agp6(+9855), Racgap1(+46388)	N/A
Chr15		99614814	99615083	Chr15.81106	Agp6(+13549), Racgap1(+36694)	N/A
Chr15		99615390	99615597	Chr15.81110	Agp6(+14094), Racgap1(+36149)	N/A
Chr15		99637147	99637317	Chr15.81175	Racgap1(+14411), Agp6(+35832)	N/A
Chr15		99637539	99638233	Chr15.81178	Racgap1(+13757), Agp6(+36466)	N/A
Chr15		12434178	12434284	Chr15.81120	Golph3(+112735), Pdcd2(+158328)	N/A
Chr15		99644028	99644304	Chr15.81209	Racgap1(+7477), Agp6(+42766)	N/A

Chr15	99648177	99648500	Chr15.81215	<i>Racgap1(+3304),Aqp6(+46939)</i>	N/A
Chr15	99648549	99648811	Chr15.81218	<i>Racgap1(+2963),Aqp6(+47280)</i>	N/A
Chr15	99656311	99656500	Chr15.81227	<i>Racgap1(+4763)</i>	N/A
Chr15	99664221	99662565	Chr15.81233	<i>Racgap1(+10850),Asic1(-8225)</i>	N/A
Chr15	99664622	99665032	Chr15.81242	<i>Racgap1(-13184),Asic1(-5891)</i>	N/A
Chr15	99668769	99668899	Chr15.81250	<i>Asic1(-1884)</i>	N/A
Chr15	99671155	99677399	Chr15.81273	<i>Smarcd1(-25010),Asic1(+6559)</i>	N/A
Chr15	99692557	99692873	Chr15.81290	<i>Smarcd1(-9572),Asic1(+21997)</i>	N/A
Chr15	99695033	99695136	Chr15.81314	<i>Smarcd1(-7202),Asic1(+24367)</i>	N/A
Chr15	99699098	99699643	Chr15.81335	<i>Smarcd1(-2766)</i>	N/A
Chr15	99699871	99700135	Chr15.81341	<i>Smarcd1(-2284)</i>	N/A
Chr15	99700181	99700358	Chr15.81344	<i>Smarcd1(-2017)</i>	N/A
Chr15	12447128	12447327	Chr15.8135	<i>Golph3(+125732),Pdxd2(+145328)</i>	N/A
Chr15	99710103	99701144	Chr15.81352	<i>Smarcd1(-1198)</i>	N/A
Chr15	99702046	99702195	Chr15.81354	<i>Smarcd1(-166)</i>	N/A
Chr15	99704599	99704705	Chr15.81372	<i>Gpd1(-12863),Smarcd1(+2265)</i>	N/A
Chr15	99704941	99705146	Chr15.81375	<i>Gpd1(-12471),Smarcd1(+2757)</i>	N/A
Chr15	12447385	12447486	Chr15.8138	<i>Golph3(+125940),Pdxd2(+145120)</i>	N/A
Chr15	99712753	99712945	Chr15.81400	<i>Gpd1(-4666)</i>	N/A
Chr15	99713129	99713667	Chr15.81405	<i>Gpd1(-4117)</i>	N/A
Chr15	99713771	99713998	Chr15.81413	<i>Gpd1(-3631)</i>	N/A
Chr15	99715351	99715520	Chr15.81415	<i>Gpd1(-2079)</i>	N/A
Chr15	99724590	99724708	Chr15.81471	<i>Cox14(-969)</i>	N/A
Chr15	99770524	99770633	Chr15.81523	<i>Cers5(+2022),Cox14(+44961)</i>	N/A
Chr15	99778094	99778211	Chr15.81528	<i>Cers5(-5554),Lima1(+97273)</i>	N/A
Chr15	12458933	12457035	Chr15.8153	<i>Golph3(-135488),Pdxd2(+135572)</i>	N/A
Chr15	12457072	12457203	Chr15.8156	<i>Pdxd2(+135418),Golph3(+135642)</i>	N/A
Chr15	99787273	99787425	Chr15.81568	<i>Cers5(-14748),Lima1(+88079)</i>	N/A
Chr15	99787948	99788118	Chr15.81574	<i>Cers5(-15432),Lima1(+87395)</i>	N/A
Chr15	99796732	99797082	Chr15.81583	<i>Cers5(-24296),Lima1(+78531)</i>	N/A
Chr15	99801886	99802305	Chr15.81593	<i>Cers5(-29459),Lima1(+73332)</i>	N/A
Chr15	99802346	99802458	Chr15.81599	<i>Cers5(-29801),Lima1(+73026)</i>	N/A
Chr15	99802512	99802721	Chr15.81602	<i>Cers5(-30016),Lima1(+72811)</i>	N/A
Chr15	99817974	99818215	Chr15.81613	<i>Cers5(-45494),Lima1(+57333)</i>	N/A
Chr15	99818679	99819140	Chr15.81618	<i>Cers5(-46309),Lima1(+56518)</i>	N/A
Chr15	99820069	99820227	Chr15.81632	<i>Cers5(-47547),Lima1(+55280)</i>	N/A
Chr15	99821051	99821171	Chr15.81636	<i>Cers5(-48510),Lima1(+54317)</i>	N/A
Chr15	99834855	99835007	Chr15.81647	<i>Cers5(-62335),Lima1(+40492)</i>	N/A
Chr15	99859683	99859878	Chr15.81656	<i>Cers5(-87180),Lima1(+15647)</i>	N/A
Chr15	99889324	99889480	Chr15.81675	<i>Lima1(-13974),Fam186a(+42394)</i>	N/A
Chr15	99890486	99890858	Chr15.81678	<i>Lima1(-15244),Fam186a(+41124)</i>	N/A
Chr15	99972748	99972864	Chr15.81719	<i>Larp4(+26)</i>	N/A
Chr15	99973572	99973689	Chr15.81724	<i>Larp4(+851)</i>	N/A
Chr15	99973911	99974104	Chr15.81726	<i>Dip2b(-64656),Larp4(+1228)</i>	N/A
Chr15	12465344	12465514	Chr15.8175	<i>Pdxd2(+127127),Golph3(+143933)</i>	N/A
Chr15	100039550	100039690	Chr15.81806	<i>Dip2b(+956)</i>	N/A
Chr15	100040346	100040525	Chr15.81810	<i>Atf1(-187383),Dip2b(+1772)</i>	N/A
Chr15	100081698	100081837	Chr15.81831	<i>Atf1(-146051),Dip2b(+43194)</i>	N/A
Chr15	100101355	100101540	Chr15.81845	<i>Atf1(-126371),Dip2b(+62794)</i>	N/A
Chr15	100143267	100143494	Chr15.81871	<i>Atf1(-84438),Dip2b(+104717)</i>	N/A
Chr15	12485679	12485803	Chr15.8190	<i>Pdxd2(+106815),Golph3(+164245)</i>	N/A
Chr15	12490631	12490750	Chr15.8196	<i>Pdxd2(+101865),Golph3(+169195)</i>	N/A
Chr15	12492805	12492929	Chr15.8202	<i>Pdxd2(+99689),Golph3(+171371)</i>	N/A
Chr15	100216089	100216179	Chr15.82024	<i>Atf1(-11695),Dip2b(+177460)</i>	N/A
Chr15	12493535	12493693	Chr15.8209	<i>Pdxd2(+98942),Golph3(+172118)</i>	N/A
Chr15	100241393	100421527	Chr15.82263	<i>Gm5475(-687)</i>	N/A
Chr15	12515408	12515507	Chr15.8233	<i>Pdxd2(+77098),Golph3(+193962)</i>	N/A
Chr15	12515578	12515805	Chr15.8235	<i>Pdxd2(+76864),Golph3(+194196)</i>	N/A
Chr15	100485590	100485793	Chr15.82358	<i>Camp2(+8547),Letmd1(+16658)</i>	N/A
Chr15	100486624	100486734	Chr15.82364	<i>Camp2(+8560),Letmd1(+17645)</i>	N/A
Chr15	100490787	100490930	Chr15.82382	<i>Camp2(+4380),Letmd1(+21825)</i>	N/A
Chr15	100494622	100494765	Chr15.82397	<i>Camp2(+545)</i>	N/A
Chr15	100495216	100495385	Chr15.82402	<i>Camp2(-62)</i>	N/A
Chr15	100605144	100605442	Chr15.82516	<i>Pou8f1(-18928),Dazap2(-10335)</i>	N/A
Chr15	100615564	100615695	Chr15.82521	<i>Dazap2(+2)</i>	N/A
Chr15	12549569	12549694	Chr15.8261	<i>Pdxd2(+42924),Golph3(+228136)</i>	N/A
Chr15	12550187	12550322	Chr15.8267	<i>Pdxd2(+42301),Golph3(+228759)</i>	N/A
Chr15	100761675	100761838	Chr15.82764	<i>Slc4a8(+10)</i>	N/A
Chr15	100775506	100775693	Chr15.82772	<i>Scn8a(-95053),Slc4a8(+13853)</i>	N/A
Chr15	100815385	100815633	Chr15.82888	<i>Scn8a(-55074),Slc4a8(+53862)</i>	N/A
Chr15	100809778	100910134	Chr15.82948	<i>Scn8a(-39272),Fignl2(+144444)</i>	N/A
Chr15	100910456	100910693	Chr15.82949	<i>Scn8a(-39892),Fignl2(+143824)</i>	N/A
Chr15	100923377	100923626	Chr15.82956	<i>Scn8a(-52819),Fignl2(+130897)</i>	N/A
Chr15	100984345	100984482	Chr15.83036	<i>Fignl2(+69985),Scn8a(+113731)</i>	N/A
Chr15	101008448	101008572	Chr15.83066	<i>Fignl2(+45899),Scn8a(+137827)</i>	N/A
Chr15	101044770	101044981	Chr15.83242	<i>Fignl2(+9568),Scn8a(+174148)</i>	N/A
Chr15	101047215	101047338	Chr15.83254	<i>Fignl2(+7122),Scn8a(+176594)</i>	N/A
Chr15	101060012	101060189	Chr15.83316	<i>Ankrd33(-55654),Fignl2(-5702)</i>	N/A
Chr15	101060508	101065244	Chr15.83319	<i>Ankrd33(-50604),Fignl2(-10752)</i>	N/A
Chr15	101066533	101066673	Chr15.83325	<i>Ankrd33(-49152),Fignl2(-12204)</i>	N/A
Chr15	101067047	101067176	Chr15.83329	<i>Ankrd33(-48643),Fignl2(-12713)</i>	N/A
Chr15	101067295	101067378	Chr15.83332	<i>Ankrd33(-48433),Fignl2(-12923)</i>	N/A
Chr15	101075566	101075770	Chr15.83338	<i>Ankrd33(-40087),Fignl2(-21269)</i>	N/A
Chr15	101077222	101077404	Chr15.83343	<i>Ankrd33(-38442),Fignl2(-22914)</i>	N/A
Chr15	101093298	101093432	Chr15.83353	<i>Fignl2(-38966),Ankrd33(-22390)</i>	N/A
Chr15	101095022	101095253	Chr15.83358	<i>Fignl2(-40739),Ankrd33(-20617)</i>	N/A
Chr15	101101695	101101844	Chr15.83364	<i>Fignl2(-47371),Ankrd33(-13984)</i>	N/A
Chr15	101103632	101103740	Chr15.83367	<i>Fignl2(-49287),Ankrd33(-12069)</i>	N/A
Chr15	12605194	12605411	Chr15.8338	<i>Pdxd2(-12747),6030458c11nk(+219354)</i>	N/A
Chr15	101123276	101123449	Chr15.83418	<i>Acvrl1(-5159),Ankrd33(+7608)</i>	N/A
Chr15	101128838	101128938	Chr15.83429	<i>Acvrl1(+366)</i>	N/A
Chr15	101132764	101132917	Chr15.83430	<i>Acvrl1b(-41263),Acvrl1(+4319)</i>	N/A
Chr15	101134109	101134228	Chr15.83433	<i>Acvrl1b(-39336),Acvrl1(+5646)</i>	N/A
Chr15	12605622	12605808	Chr15.8347	<i>Pdxd2(-13159),6030458c11nk(+218942)</i>	N/A
Chr15	101139955	101140130	Chr15.83487	<i>Acvrl1b(-34061),Acvrl1(+11521)</i>	N/A
Chr15	101147096	101147328	Chr15.83509	<i>Acvrl1b(-26892),Acvrl1(+18690)</i>	N/A
Chr15	101148062	101148239	Chr15.83510	<i>Acvrl1b(-25933),Acvrl1(+19629)</i>	N/A
Chr15	101148539	101148656	Chr15.83516	<i>Acvrl1b(-25506),Acvrl1(+20076)</i>	N/A
Chr15	101174985	101175127	Chr15.83530	<i>Acvrl1b(-952)</i>	N/A
Chr15	101175266	101175429	Chr15.83533	<i>Grasp(-48859),Acvrl1b(+1244)</i>	N/A
Chr15	101176241	101176513	Chr15.83544	<i>Grasp(-47830),Acvrl1b(+2273)</i>	N/A
Chr15	101177148	101177294	Chr15.83548	<i>Grasp(-46986),Acvrl1b(+3117)</i>	N/A
Chr15	101177403	101177609	Chr15.83550	<i>Grasp(-46701),Acvrl1b(+3402)</i>	N/A
Chr15	101177653	101177756	Chr15.83552	<i>Grasp(-46502),Acvrl1b(+3601)</i>	N/A
Chr15	101182783	101183109	Chr15.83562	<i>Grasp(-41261),Acvrl1b(+8842)</i>	N/A
Chr15	101191663	101191789	Chr15.83570	<i>Grasp(-32481),Acvrl1b(+17622)</i>	N/A
Chr15	101195327	101195512	Chr15.83602	<i>Grasp(-28787),Acvrl1b(+21316)</i>	N/A
Chr15	101196780	101196921	Chr15.83607	<i>Grasp(-27356),Acvrl1b(+22747)</i>	N/A
Chr15	101210820	101211086	Chr15.83649	<i>Grasp(-13159),Acvrl1b(+38695)</i>	N/A
Chr15	101213412	101213514	Chr15.83675	<i>Grasp(-10744),Acvrl1b(+39359)</i>	N/A
Chr15	101225376	101225508	Chr15.83684	<i>N4a1(-41404),Grasp(+1235)</i>	N/A
Chr15	101235898	101236061	Chr15.83719	<i>N4a1(-30866),Grasp(+11773)</i>	N/A
Chr15	101241283	101241446	Chr15.83727	<i>N4a1(-25481),Grasp(+17158)</i>	N/A
Chr15	101242015	101242177	Chr15.83730	<i>N4a1(-24750),Grasp(+17889)</i>	N/A
Chr15	101248721	101248923	Chr15.83740	<i>N4a1(-18024),Grasp(+24515)</i>	N/A
Chr15	101260168	101260267	Chr15.83749	<i>N4a1(-6628),Grasp(+36011)</i>	N/A
Chr15	101260361	101260483	Chr15.83752	<i>N4a1(-6424),Grasp(+36215)</i>	N/A
Chr15	101261343	101261617	Chr15.83758	<i>N4a1(-5366),Grasp(+37273)</i>	N/A
Chr15	12625894	12626023	Chr15.8382	<i>Pdxd2(-33403),6030458c11nk(+198698)</i>	N/A
Chr15	101277512	101277768	Chr15.83833	<i>Alg101(-6661),N4a1(+10794)</i>	N/A
Chr15	101278669	101279661	Chr15.83842	<i>Alg101(-4491)</i>	N/A
Chr15	12630280	12630398	Chr15.8386	<i>Pdxd2(-37783),6030458c11nk(+194318)</i>	N/A
Chr15	101293353	101293471	Chr15.83864	<i>Smm41(+200)</i>	N/A
Chr15	12634365	12634549	Chr15.83895	<i>Pdxd2(-41901),6030458c11nk(+190200)</i>	N/A
Chr15	101376922	101377093	Chr15.83956	<i>Krt7(-35394),Krt80(-6883)</i>	N/A
Chr15	101390349	101390469	Chr15.83984	<i>Krt7(-21993),Krt80(-20284)</i>	N/A
Chr15	12635221	12635400	Chr15.8402	<i>Pdxd2(-42755),6030458c11nk(+189346)</i>	N/A
Chr15	101506085	101506301	Chr15.84322	<i>Krt83(-14681),Krt84(-26627)</i>	N/A
Chr15	12682612	12682845	Chr15.84339	<i>Pdxd2(-90173),6030458c11nk(+141928)</i>	N/A
Chr15	12708383	12708511	Chr15.8457	<i>Pdxd2(-115891),6030458c11nk(+116210)</i>	N/A
Chr15	12728497	12728650	Chr15.8468	<i>Pdxd2(-139018),6030458c11nk(+96063)</i>	N/A
Chr15	101713818	101713997	Chr15.84913	<i>Krt5(-1017)</i>	N/A
Chr15	101716062	101716164	Chr15.84921	<i>Krt5(-3222)</i>	N/A
Chr15	101717452	101717599	Chr15.84925	<i>Krt5(-4635)</i>	N/A
Chr15	101770735	101770857	Chr15.85058	<i>Krt74(-7292),Krt72(+15662)</i>	N/A
Chr15	12739924	12740041	Chr15.8506	<i>Pdxd2(-147427),6030458c11nk(+84674)</i>	N/A
Chr15	101845458	101845473	Chr15.85366	<i>Krt1(-3859)</i>	N/A
Chr15	101910202	101910378	Chr15.85518	<i>Krt76(-17370),Krt44(+14445)</i>	N/A

Chr15	101974609	101974770	Chr15.85727	Krt78(-20403),Krt8(+29652)	N/A
Chr15	101976110	101976331	Chr15.85729	Krt78(-21934),Krt8(+28121)	N/A
Chr15	101980551	101981076	Chr15.85736	Krt78(-26727),Krt8(+23328)	N/A
Chr15	102073871	102074024	Chr15.85865	EF4a(+175)	N/A
Chr15	102098212	102098315	Chr15.85917	Tns2(-4724)	N/A
Chr15	102098356	102098489	Chr15.85921	Tns2(-4565)	N/A
Chr15	102102815	102103167	Chr15.85937	Tns2(+3)	N/A
Chr15	102103964	102104094	Chr15.85941	Tns2(+1041),Spryd3(+32205)	N/A
Chr15	102105921	102106135	Chr15.85949	Tns2(+3040),Spryd3(+30206)	N/A
Chr15	102116047	102116208	Chr15.86047	Tns2(+13139),Spryd3(+26107)	N/A
Chr15	102120084	102120243	Chr15.86070	Spryd3(+16070),Tns2(+17178)	N/A
Chr15	102120638	102120793	Chr15.86074	Spryd3(+15518),Tns2(+17728)	N/A
Chr15	102126341	102126523	Chr15.86082	Spryd3(+9802),Tns2(+23444)	N/A
Chr15	102203598	102203770	Chr15.86289	Zfp740(-4578)	N/A
Chr15	102204557	102204961	Chr15.86294	Zfp740(-3533)	N/A
Chr15	102212869	102212995	Chr15.86315	Zfp740(+4670),Ilgb7(+19003)	N/A
Chr15	102213480	102213590	Chr15.86320	Zfp740(+5273),Ilgb7(+18400)	N/A
Chr15	12861917	12862090	Chr15.8641	Drosha(+37189),Cdh6(+311635)	N/A
Chr15	102235048	102235397	Chr15.86425	Ilgb7(-3288)	N/A
Chr15	102235544	102235684	Chr15.86431	Ilgb7(-3679)	N/A
Chr15	102240651	102240707	Chr15.86459	Ilgb7(-4789),Rarg(+16793)	N/A
Chr15	102243533	102243699	Chr15.86474	Ilgb7(-11681),Rarg(+13901)	N/A
Chr15	102243899	102244058	Chr15.86478	Ilgb7(-12044),Rarg(+13538)	N/A
Chr15	102245843	102245962	Chr15.86482	Ilgb7(-13968),Rarg(+11614)	N/A
Chr15	102246050	102246288	Chr15.86483	Ilgb7(-14234),Rarg(+11348)	N/A
Chr15	102246447	102246560	Chr15.86486	Ilgb7(-14569),Rarg(+11013)	N/A
Chr15	102248504	102248668	Chr15.86490	Ilgb7(-16651),Rarg(+8931)	N/A
Chr15	102248758	102248954	Chr15.86492	Ilgb7(-16921),Rarg(+8661)	N/A
Chr15	102249563	102249694	Chr15.86499	Ilgb7(-17694),Rarg(+7888)	N/A
Chr15	102251754	102251906	Chr15.86508	Ilgb7(-19895),Rarg(+5687)	N/A
Chr15	102254982	102255098	Chr15.86514	Ilgb7(-23105),Rarg(+2477)	N/A
Chr15	102255623	102255849	Chr15.86517	Ilgb7(-23801),Rarg(+1781)	N/A
Chr15	102255885	102256086	Chr15.86518	Ilgb7(-24051),Rarg(+1531)	N/A
Chr15	102257174	102257331	Chr15.86521	Rarg(+264)	N/A
Chr15	102257363	102257493	Chr15.86523	Rarg(+89)	N/A
Chr15	102257674	102257789	Chr15.86524	Rarg(-215)	N/A
Chr15	102258851	102258977	Chr15.86529	Rarg(-1397)	N/A
Chr15	102259084	102259252	Chr15.86531	Rarg(-1651)	N/A
Chr15	102263113	102263313	Chr15.86542	Mfsd5(-16243),Rarg(-5696)	N/A
Chr15	102281631	102281768	Chr15.86581	Esp1(-14593),Mfsd5(+2244)	N/A
Chr15	102282572	102282748	Chr15.86584	Esp1(-13633),Mfsd5(+3204)	N/A
Chr15	102296195	102296297	Chr15.86591	Esp1(-47)	N/A
Chr15	102357078	102357236	Chr15.86861	Aaas(-6398),Sp7(+9168)	N/A
Chr15	102357395	102357706	Chr15.86863	Aaas(-6792),Sp7(+8774)	N/A
Chr15	102362856	102363010	Chr15.86888	Aaas(-12174),Sp7(+3392)	N/A
Chr15	102365520	102365667	Chr15.86893	Sp7(+731)	N/A
Chr15	102367003	102367109	Chr15.86898	Sp7(-731)	N/A
Chr15	102370060	102370202	Chr15.86901	Sp7(-3806)	N/A
Chr15	102370817	102371229	Chr15.86902	Sp7(-4699)	N/A
Chr15	102372052	102372193	Chr15.86908	Sp1(-34257),Sp7(-5798)	N/A
Chr15	102377365	102377539	Chr15.86912	Sp1(-28928),Sp7(-11127)	N/A
Chr15	102405572	102405724	Chr15.86921	Sp1(-732)	N/A
Chr15	102406063	102406316	Chr15.86937	Sp1(-180)	N/A
Chr15	102414338	102414591	Chr15.86963	Amhr2(-30902),Sp(+8085)	N/A
Chr15	102415449	102415548	Chr15.86966	Amhr2(-29868),Sp(+9119)	N/A
Chr15	102431797	102431975	Chr15.86983	Amhr2(-13481),Sp(+25506)	N/A
Chr15	102445218	102445384	Chr15.87023	Amhr2(-66)	N/A
Chr15	102470288	102470556	Chr15.87081	Pcbp2(-210)	N/A
Chr15	102470608	102470808	Chr15.87087	Pcbp2(-127)	N/A
Chr15	102471108	102471238	Chr15.87090	Pcbp2(+540)	N/A
Chr15	102471373	102471507	Chr15.87091	Pcbp2(+808)	N/A
Chr15	102473254	102473608	Chr15.87099	Gm10337(-30291),Pcbp2(+2799)	N/A
Chr15	102493654	102493784	Chr15.87165	Gm10337(-10003),Pcbp2(+23087)	N/A
Chr15	102493966	102494025	Chr15.87167	Gm10337(-9776),Pcbp2(+23314)	N/A
Chr15	102499424	102499585	Chr15.87177	Gm10337(+217)	N/A
Chr15	102510767	102510875	Chr15.87222	Mag3k12(+6015),Gm10337(+7099)	N/A
Chr15	102524600	102524941	Chr15.87281	Npff(-150)	N/A
Chr15	102532602	102532728	Chr15.87304	Aitf(-3640)	N/A
Chr15	102546800	102546992	Chr15.87340	Aitf(-17871),Aitf(+78525)	N/A
Chr15	102547544	102547646	Chr15.87345	Aitf(-18570),Aitf(+77826)	N/A
Chr15	102558748	102558854	Chr15.87368	Aitf(-28176),Aitf(+66520)	N/A
Chr15	102562739	102562858	Chr15.87372	Aitf(-33774),Aitf(+62622)	N/A
Chr15	102572243	102572445	Chr15.87397	Aitf(-43319),Aitf(+53077)	N/A
Chr15	102583672	102583809	Chr15.87406	Aitf(-54716),Aitf(+41680)	N/A
Chr15	102584081	102584428	Chr15.87411	Aitf(-55230),Aitf(+41166)	N/A
Chr15	102585344	102585815	Chr15.87420	Aitf(-56555),Aitf(+39814)	N/A
Chr15	102586873	102587002	Chr15.87429	Aitf(-57913),Aitf(+38483)	N/A
Chr15	102590435	102590589	Chr15.87439	Aitf(-61487),Aitf(+34909)	N/A
Chr15	102591490	102591633	Chr15.87445	Aitf(-62537),Aitf(+33859)	N/A
Chr15	102593361	102593983	Chr15.87452	Aitf(-64647),Aitf(+31749)	N/A
Chr15	102594025	102594078	Chr15.87457	Aitf(-65327),Aitf(+31069)	N/A
Chr15	102595222	102595507	Chr15.87464	Aitf(-66340),Aitf(+30056)	N/A
Chr15	102623186	102623448	Chr15.87499	Aitf(-94292),Aitf(+2104)	N/A
Chr15	102624210	102624312	Chr15.87501	Aitf(-95236),Aitf(+1160)	N/A
Chr15	102624979	102625474	Chr15.87503	Aitf(+194)	N/A
Chr15	102656693	102657046	Chr15.87508	Aitf(-31449),Atp5g2(+10879)	N/A
Chr15	102672205	102672511	Chr15.87547	Atp5g2(-4609)	N/A
Chr15	102673637	102673950	Chr15.87550	Atp5g2(-6045),Calcoo1(+48384)	N/A
Chr15	102692701	102692896	Chr15.87558	Atp5g2(-25050),Calcoo1(+29379)	N/A
Chr15	102699113	102699223	Chr15.87585	Atp5g2(-31419),Calcoo1(+23010)	N/A
Chr15	102705648	102705814	Chr15.87586	Atp5g2(-37982),Calcoo1(+16447)	N/A
Chr15	102707899	102708008	Chr15.87603	Atp5g2(-40200),Calcoo1(+14229)	N/A
Chr15	102720352	102720519	Chr15.87641	Atp5g2(-52687),Calcoo1(+1742)	N/A
Chr15	102722026	102722156	Chr15.87649	Calcoo1(+87)	N/A
Chr15	102722194	102722340	Chr15.87652	Calcoo1(-89)	N/A
Chr15	102736238	102736354	Chr15.87668	Hoxc13(-184807),Calcoo1(-14118)	N/A
Chr15	102741351	102741676	Chr15.87672	Hoxc13(-179589),Calcoo1(-19336)	N/A
Chr15	102743170	102743365	Chr15.87678	Hoxc13(-177835),Calcoo1(-21090)	N/A
Chr15	102746874	102747052	Chr15.87687	Hoxc13(-171410),Calcoo1(-24785)	N/A
Chr15	102755088	102755388	Chr15.87702	Hoxc13(-165865),Calcoo1(-33060)	N/A
Chr15	102776344	102776605	Chr15.87729	Hoxc13(-144628),Calcoo1(-54297)	N/A
Chr15	102783022	102783130	Chr15.87751	Hoxc13(-138027),Calcoo1(-60898)	N/A
Chr15	102783318	102783568	Chr15.87753	Hoxc13(-137660),Calcoo1(-61265)	N/A
Chr15	102783650	102784124	Chr15.87756	Hoxc13(-137066),Calcoo1(-61859)	N/A
Chr15	102806876	102807215	Chr15.87813	Hoxc13(-114057),Calcoo1(-84868)	N/A
Chr15	102862599	102862772	Chr15.87935	Calcoo1(-140508),Hoxc13(-58417)	N/A
Chr15	12941618	12942015	Chr15.8811	Drosha(+117002),Cdh6(+231822)	N/A
Chr15	102977153	102977255	Chr15.88285	Hoxc9(+172)	N/A
Chr15	12963348	12965540	Chr15.8843	Drosha(+146029),Cdh6(+208195)	N/A
Chr15	103005535	103006446	Chr15.88434	Hoxc9(-8889),Hoxc9(-9969)	N/A
Chr15	103034069	103034300	Chr15.88599	Hoxc4(-210)	N/A
Chr15	103060478	103060706	Chr15.88686	Hoxc4(+26197),Smug1(+97410)	N/A
Chr15	103065587	103065900	Chr15.88694	Hoxc4(+31349),Smug1(+92258)	N/A
Chr15	103086872	103086023	Chr15.88723	Hoxc4(+51533),Smug1(+72054)	N/A
Chr15	103090484	103090612	Chr15.88728	Hoxc4(+56153),Smug1(+87454)	N/A
Chr15	103093856	103094032	Chr15.88735	Hoxc4(+59549),Smug1(+64058)	N/A
Chr15	103110306	103110558	Chr15.88767	Smug1(+47570),Hoxc4(+76037)	N/A
Chr15	103112593	103112708	Chr15.88771	Smug1(+45351),Hoxc4(+78256)	N/A
Chr15	103115386	103116047	Chr15.88776	Smug1(+42289),Hoxc4(+81322)	N/A
Chr15	103119544	103119796	Chr15.88791	Smug1(+38332),Hoxc4(+85275)	N/A
Chr15	103120605	103120920	Chr15.88794	Smug1(-37285),Hoxc4(+86372)	N/A
Chr15	103121606	103121825	Chr15.88795	Smug1(-36286),Hoxc4(+87321)	N/A
Chr15	103123368	103123568	Chr15.88798	Smug1(+34534),Hoxc4(+89073)	N/A
Chr15	103128243	103128409	Chr15.88801	Smug1(+29676),Hoxc4(+93931)	N/A
Chr15	103135659	103135888	Chr15.88820	Smug1(+22228),Hoxc4(+101379)	N/A
Chr15	103163265	103163453	Chr15.88877	Smug1(-5357),Cbx5(+76457)	N/A
Chr15	103169137	103169251	Chr15.88892	Smug1(-11192),Cbx5(+70622)	N/A
Chr15	103169377	103169485	Chr15.88895	Smug1(-11429),Cbx5(+70385)	N/A
Chr15	103177714	103177974	Chr15.88904	Smug1(-19842),Cbx5(+61972)	N/A
Chr15	103190647	103190832	Chr15.88921	Smug1(-32738),Cbx5(+49076)	N/A
Chr15	10320217	103202401	Chr15.88958	Smug1(-44257),Cbx5(+37557)	N/A
Chr15	103214259	103214468	Chr15.88970	Smug1(-56362),Cbx5(+25452)	N/A
Chr15	103214497	103214627	Chr15.88971	Smug1(-56560),Cbx5(+25254)	N/A
Chr15	103214908	103215574	Chr15.88974	Smug1(-57239),Cbx5(+24575)	N/A
Chr15	103220836	103221377	Chr15.88980	Smug1(-63105),Cbx5(+18709)	N/A
Chr15	103226891	103227130	Chr15.88994	Smug1(-68909),Cbx5(+12905)	N/A
Chr15	103230918	103230995	Chr15.88997	Smug1(-72005),Cbx5(+9809)	N/A
Chr15	103233196	103233451	Chr15.89000	Smug1(-75322),Cbx5(+6492)	N/A

Chr15	103239371	103239522	Chr15.89002	<i>Hnmpa1(-985), Cbx5(+369)</i>	N/A
Chr15	103239653	103239990	Chr15.89009	<i>Hnmpa1(-610), Cbx5(-6)</i>	N/A
Chr15	103240254	103240533	Chr15.89017	<i>Cbx5(-578), Hnmpa1(-38)</i>	N/A
Chr15	103244194	103244334	Chr15.89050	<i>Cbx5(-448), Hnmpa1(+382)</i>	N/A
Chr15	103245616	103246019	Chr15.89061	<i>Hnmpa1(+5386), Nfe2(+5858)</i>	N/A
Chr15	103250468	103250691	Chr15.89099	<i>Nfe2(+1096), Hnmpa1(+10148)</i>	N/A
Chr15	103251643	103251877	Chr15.89104	<i>Nfe2(-84)</i>	N/A
Chr15	103255154	103255302	Chr15.89113	<i>Nfe2(-3552)</i>	N/A
Chr15	103255383	103255626	Chr15.89118	<i>Nfe2(-3779)</i>	N/A
Chr15	103258323	103258715	Chr15.89124	<i>Copz1(-14392), Nfe2(-6843)</i>	N/A
Chr15	103260247	103260357	Chr15.89128	<i>Copz1(-12609), Nfe2(-8626)</i>	N/A
Chr15	103262462	103262657	Chr15.89132	<i>Nfe2(-10884), Copz1(-10351)</i>	N/A
Chr15	103272554	103272667	Chr15.89133	<i>Copz1(-300)</i>	N/A
Chr15	103272824	103272986	Chr15.89139	<i>Copz1(-6)</i>	N/A
Chr15	103277827	103278149	Chr15.89147	<i>Copz1(-6077), Gpr84(-32450)</i>	N/A
Chr15	103285118	103285472	Chr15.89159	<i>Copz1(+12384), Gpr84(+25143)</i>	N/A
Chr15	103288731	103288894	Chr15.89171	<i>Copz1(+15902), Gpr84(+21625)</i>	N/A
Chr15	103289561	103289889	Chr15.89177	<i>Copz1(+16814), Gpr84(+20713)</i>	N/A
Chr15	103290797	103291117	Chr15.89183	<i>Copz1(+18046), Gpr84(+19481)</i>	N/A
Chr15	103295887	103296065	Chr15.89190	<i>Gpr84(+1462), Copz1(+23069)</i>	N/A
Chr15	103297310	103297750	Chr15.89197	<i>Gpr84(+12968), Copz1(+24619)</i>	N/A
Chr15	103298093	103298339	Chr15.89204	<i>Gpr84(+12222), Copz1(+25305)</i>	N/A
Chr15	103298490	103298629	Chr15.89206	<i>Gpr84(+11878), Copz1(+25649)</i>	N/A
Chr15	103300050	103300200	Chr15.89218	<i>Gpr84(+10313), Copz1(+27214)</i>	N/A
Chr15	103300340	103300543	Chr15.89219	<i>Gpr84(+9998), Copz1(+27531)</i>	N/A
Chr15	103301247	103301437	Chr15.89221	<i>Gpr84(+9098), Copz1(+28431)</i>	N/A
Chr15	103302794	103302983	Chr15.89227	<i>Gpr84(+7549), Copz1(+29978)</i>	N/A
Chr15	103303877	103304158	Chr15.89229	<i>Gpr84(+6420), Copz1(+31107)</i>	N/A
Chr15	103304426	103304613	Chr15.89230	<i>Gpr84(+5918), Copz1(+31609)</i>	N/A
Chr15	103304826	103305005	Chr15.89236	<i>Gpr84(+5522), Copz1(+32005)</i>	N/A
Chr15	103313878	103313999	Chr15.89276	<i>Gpr84(-3499)</i>	N/A
Chr15	103314045	103314617	Chr15.89278	<i>Gpr84(-3893)</i>	N/A
Chr15	103316580	103316759	Chr15.89303	<i>Gpr84(-6232), Zfp385a(+23416)</i>	N/A
Chr15	103317670	103317770	Chr15.89310	<i>Gpr84(-7282), Zfp385a(+22366)</i>	N/A
Chr15	103318555	103318681	Chr15.89320	<i>Gpr84(-8180), Zfp385a(+21468)</i>	N/A
Chr15	103321983	103322088	Chr15.89328	<i>Gpr84(-11588), Zfp385a(+18050)</i>	N/A
Chr15	103322195	103322295	Chr15.89329	<i>Gpr84(-11807), Zfp385a(+17841)</i>	N/A
Chr15	103322514	103322633	Chr15.89331	<i>Gpr84(-12136), Zfp385a(+17512)</i>	N/A
Chr15	103334222	103334329	Chr15.89345	<i>Gpr84(-23838), Zfp385a(+5810)</i>	N/A
Chr15	103335169	103335274	Chr15.89349	<i>Gpr84(-24784), Zfp385a(+4864)</i>	N/A
Chr15	103340988	103341089	Chr15.89362	<i>Zfp385a(-953)</i>	N/A
Chr15	103341649	103341909	Chr15.89364	<i>Zfp385a(-1693)</i>	N/A
Chr15	103344899	103345316	Chr15.89377	<i>Zfp385a(-5022), Irga5(+21655)</i>	N/A
Chr15	103358763	103358901	Chr15.89476	<i>Zfp385a(-16746), Irga5(+7931)</i>	N/A
Chr15	103359251	103359380	Chr15.89483	<i>Zfp385a(-19230), Irga5(+7447)</i>	N/A
Chr15	103364803	103364944	Chr15.89490	<i>Zfp385a(-24788), Irga5(+1889)</i>	N/A
Chr15	103368879	103367099	Chr15.89502	<i>Irga5(-226)</i>	N/A
Chr15	103369166	103368289	Chr15.89513	<i>Irga5(-1485)</i>	N/A
Chr15	103369320	103368487	Chr15.89515	<i>Irga5(-1641)</i>	N/A
Chr15	103369104	103369219	Chr15.89517	<i>Irga5(-2399)</i>	N/A
Chr15	103370643	103370751	Chr15.89520	<i>Irga5(-3934)</i>	N/A
Chr15	103376904	103377110	Chr15.89532	<i>Irga5(-10244), Gtsf1(+53463)</i>	N/A
Chr15	103377912	103378016	Chr15.89533	<i>Irga5(-11202), Gtsf1(+52505)</i>	N/A
Chr15	103378313	103378478	Chr15.89538	<i>Irga5(-11633), Gtsf1(+62074)</i>	N/A
Chr15	103378812	103378984	Chr15.89541	<i>Irga5(-12135), Gtsf1(+51572)</i>	N/A
Chr15	103383080	103383271	Chr15.89549	<i>Irga5(-16413), Gtsf1(+47294)</i>	N/A
Chr15	103497844	103498030	Chr15.89787	<i>Pde1b(-5361), Nckap1l(+44112)</i>	N/A
Chr15	103503900	103504007	Chr15.89807	<i>Pde1b(-656)</i>	N/A
Chr15	103515011	103515186	Chr15.89847	<i>Pde1b(-11801), Ppp1r1a(+22893)</i>	N/A
Chr15	103518193	103518321	Chr15.89855	<i>Pde1b(-14959), Ppp1r1a(+19735)</i>	N/A
Chr15	103519035	103519139	Chr15.89859	<i>Pde1b(+15789), Ppp1r1a(+18905)</i>	N/A
Chr15	103519447	103519566	Chr15.89861	<i>Pde1b(+16209), Ppp1r1a(+18485)</i>	N/A
Chr15	103523309	103523419	Chr15.89882	<i>Ppp1r1a(+14628), Pde1b(+20066)</i>	N/A
Chr15	103529030	103529243	Chr15.89935	<i>Ppp1r1a(+8109), Pde1b(+25839)</i>	N/A
Chr15	103529803	103529963	Chr15.89937	<i>Ppp1r1a(+8109), Pde1b(+25839)</i>	N/A
Chr15	13125890	13126059	Chr15.91164	<i>Cdh6(-47679), Droscha(-301145)</i>	N/A
Chr15	13171588	13171714	Chr15.9305	<i>Cdh6(+1988), Droscha(+346836)</i>	N/A
Chr15	13172264	13172409	Chr15.9310	<i>Cdh6(+1302), Droscha(+347522)</i>	N/A
Chr15	13173807	13173728	Chr15.9317	<i>Cdh6(-29)</i>	N/A
Chr15	13174592	13174719	Chr15.9325	<i>Cdh6(-1077)</i>	N/A
Chr15	13174786	13175003	Chr15.9328	<i>Cdh6(-1256)</i>	N/A
Chr15	13184306	13184430	Chr15.9354	<i>Cdh6(-10729)</i>	N/A
Chr15	13212354	13212565	Chr15.9401	<i>Cdh6(-38821)</i>	N/A
Chr15	13228517	13228679	Chr15.9428	<i>Cdh6(-54959)</i>	N/A
Chr15	13350096	13350270	Chr15.9709	<i>Cdh6(-176544)</i>	N/A
Chr15	13421762	13421870	Chr15.9813	<i>Cdh6(-24817)</i>	N/A
Chr15	13196905	13197031	Chr16.10152	<i>Mrtfb(-59513), Ercc4(-87284)</i>	N/A
Chr16	13233024	13233243	Chr16.10166	<i>Mrtfb(-23347), Ercc4(+123450)</i>	N/A
Chr16	13267256	13267543	Chr16.10197	<i>Mrtfb(+10919), Pam(+400770)</i>	N/A
Chr16	13299050	13299288	Chr16.10215	<i>Mrtfb(+42688), Pam(+369001)</i>	N/A
Chr16	13305056	13305291	Chr16.10219	<i>Mrtfb(+48633), Pam(+361996)</i>	N/A
Chr16	13354150	13354333	Chr16.10280	<i>Mrtfb(+77751), Pam(+391928)</i>	N/A
Chr16	13358029	13358547	Chr16.10279	<i>Mrtfb(+101807), Pam(+309882)</i>	N/A
Chr16	13358605	13358771	Chr16.10291	<i>Mrtfb(+102207), Pam(+309482)</i>	N/A
Chr16	13367142	13367333	Chr16.10301	<i>Mrtfb(+110757), Pam(+300932)</i>	N/A
Chr16	13413450	13413554	Chr16.10413	<i>Mrtfb(+157021), Pam(+254668)</i>	N/A
Chr16	13416958	13417035	Chr16.10428	<i>Mrtfb(+160371), Pam(+251318)</i>	N/A
Chr16	13453744	13453949	Chr16.10452	<i>Mrtfb(+197366), Pam(+214323)</i>	N/A
Chr16	13588714	13588855	Chr16.10500	<i>Pam(+79385), Mrtfb(+332304)</i>	N/A
Chr16	13754707	13754900	Chr16.10613	<i>Rm3(-25895), Pla2g10(-23821)</i>	N/A
Chr16	4405103	4405205	Chr16.1064	<i>Crebbp(-191750), Adcy9(+14654)</i>	N/A
Chr16	14704687	14704789	Chr16.11443	<i>Sna2(-1114)</i>	N/A
Chr16	14705698	14705816	Chr16.11445	<i>Sna2(-45)</i>	N/A
Chr16	14711958	14712121	Chr16.11469	<i>Efcab1(-194597), Sna2(+6188)</i>	N/A
Chr16	14712411	14712523	Chr16.11473	<i>Efcab1(-194170), Sna2(+6615)</i>	N/A
Chr16	14893998	14894109	Chr16.11504	<i>Efcab1(-12583), Sna2(+188202)</i>	N/A
Chr16	14894151	14894448	Chr16.11507	<i>Efcab1(-12337), Sna2(+188448)</i>	N/A
Chr16	14893950	14904136	Chr16.11536	<i>Efcab1(-133486), Ube2v2(+654481)</i>	N/A
Chr16	14940576	14940718	Chr16.11544	<i>Efcab1(-134010), Ube2v2(+653877)</i>	N/A
Chr16	14899732	14900073	Chr16.11579	<i>Efcab1(+83266), Ube2v2(+604621)</i>	N/A
Chr16	14892633	14992842	Chr16.11591	<i>Efcab1(+86101), Ube2v2(+601786)</i>	N/A
Chr16	15014815	15014999	Chr16.11597	<i>Efcab1(+108270), Ube2v2(+579617)</i>	N/A
Chr16	15051382	15051582	Chr16.11607	<i>Efcab1(+144845), Ube2v2(+543042)</i>	N/A
Chr16	15053869	15054041	Chr16.11612	<i>Efcab1(+147318), Ube2v2(+540569)</i>	N/A
Chr16	15055396	15055572	Chr16.11619	<i>Efcab1(+1448847), Ube2v2(+539040)</i>	N/A
Chr16	15086769	15086958	Chr16.11642	<i>Efcab1(+180227), Ube2v2(+507660)</i>	N/A
Chr16	15104026	15104266	Chr16.11661	<i>Efcab1(+197509), Ube2v2(+490378)</i>	N/A
Chr16	15114656	15114799	Chr16.11677	<i>Efcab1(+208091), Ube2v2(+479796)</i>	N/A
Chr16	15114805	15115180	Chr16.11681	<i>Efcab1(+208406), Ube2v2(+479481)</i>	N/A
Chr16	15115408	15115653	Chr16.11687	<i>Efcab1(+208984), Ube2v2(+478993)</i>	N/A
Chr16	15259531	15259683	Chr16.11715	<i>Ube2v2(+334917), Efcab1(+352970)</i>	N/A
Chr16	15295544	15295706	Chr16.11721	<i>Ube2v2(+298899), Efcab1(+388988)</i>	N/A
Chr16	15385533	15385812	Chr16.11732	<i>Ube2v2(+208851), Efcab1(+479036)</i>	N/A
Chr16	4521883	4522003	Chr16.1185	<i>Adcy9(-102139), Sln(+1132)</i>	N/A
Chr16	4522282	4522388	Chr16.1188	<i>Sln(+740)</i>	N/A
Chr16	15948368	15948503	Chr16.12316	<i>Mzt2(-89089), Spidr(+198415)</i>	N/A
Chr16	15958673	15958987	Chr16.12318	<i>Mzt2(-95483), Spidr(+188021)</i>	N/A
Chr16	15984388	15984635	Chr16.12331	<i>Mzt2(-121165), Spidr(+162339)</i>	N/A
Chr16	15992153	15992269	Chr16.12337	<i>Mzt2(-128864), Spidr(+154640)</i>	N/A
Chr16	4552965	4553105	Chr16.1239	<i>Sln(-29975), Tlap4(+6670)</i>	N/A
Chr16	4558802	4558977	Chr16.1244	<i>Sln(-36615), Tlap4(+1030)</i>	N/A
Chr16	4559117	4559242	Chr16.1248	<i>Tlap4(+540)</i>	N/A
Chr16	4559759	4559874	Chr16.1253	<i>Tlap4(-97)</i>	N/A
Chr16	16559249	16559522	Chr16.12658	<i>Fgd4(+833)</i>	N/A
Chr16	16560030	16560439	Chr16.12684	<i>Fgd4(-16)</i>	N/A
Chr16	4593110	4593210	Chr16.1267	<i>Gls2(-1553)</i>	N/A
Chr16	4595575	4595719	Chr16.1270	<i>Gls2(+934)</i>	N/A
Chr16	4596480	4596762	Chr16.1277	<i>Gls2(+1908), Pam16(+28367)</i>	N/A
Chr16	4597018	4597150	Chr16.1282	<i>Gls2(+2371), Pam16(+27904)</i>	N/A
Chr16	17043683	17043970	Chr16.12901	<i>Ype1(-25869), Mapk1(+60445)</i>	N/A
Chr16	4603246	4603377	Chr16.1292	<i>Gls2(+8599), Pam16(+21676)</i>	N/A
Chr16	17077771	17077833	Chr16.12927	<i>Ype1(+8156), Ppil2(+3390)</i>	N/A
Chr16	4606948	4607096	Chr16.1298	<i>Gls2(+12309), Pam16(+17965)</i>	N/A
Chr16	17124207	17124332	Chr16.13036	<i>2610318n02nk(+836)</i>	N/A
Chr16	17220518	17220677	Chr16.13238	<i>Hic2(-12974), Rimp3(+12463)</i>	N/A
Chr16	17234705	17234805	Chr16.13245	<i>Tmem191c(-41545), Hic2(+1183)</i>	N/A
Chr16	17234844	17235051	Chr16.13246	<i>Tmem191c(-41302), Hic2(+1426)</i>	N/A
Chr16	17235438	17235632	Chr16.13251	<i>Tmem191c(-40765), Hic2(+1963)</i>	N/A

Chr16	17235734	17235942	Chr16.13255	<i>Tmem191c(-40462),Hic2(+2266)</i>	N/A
Chr16	17243866	17244014	Chr16.13260	<i>Tmem191c(-32360),Hic2(+10368)</i>	N/A
Chr16	17261200	17261352	Chr16.13311	<i>Tmem191c(-15024),Hic2(+2704)</i>	N/A
Chr16	17451647	17451782	Chr16.13616	<i>Crk1(-272)</i>	N/A
Chr16	17451881	17452039	Chr16.13620	<i>Crk1(-27)</i>	N/A
Chr16	17483893	17484058	Chr16.13644	<i>Alim3(-5687),Crik(+31989)</i>	N/A
Chr16	17920545	17920777	Chr16.14551	<i>Gsc2(-5602),Slc25a1(+7558)</i>	N/A
Chr16	17925226	17925485	Chr16.14558	<i>Gsc2(-10297),Slc25a1(+2863)</i>	N/A
Chr16	18114760	18114897	Chr16.14687	<i>Prodh(-25537),Rhm1(-12813)</i>	N/A
Chr16	18148340	18148454	Chr16.14708	<i>Ccdc188(-49733),Rhm4(+20755)</i>	N/A
Chr16	4640733	4640910	Chr16.1474	<i>Vasn(+881)</i>	N/A
Chr16	4641226	4641376	Chr16.1478	<i>Vasn(+1360),Coro7(+38476)</i>	N/A
Chr16	18198592	18198858	Chr16.14789	<i>Ccdc188(-19445),Rhm4(+71083)</i>	N/A
Chr16	18201488	18201603	Chr16.14793	<i>Ccdc188(-16624),Rhm4(+73904)</i>	N/A
Chr16	18217894	18217998	Chr16.14809	<i>Ccdc188(-224)</i>	N/A
Chr16	18219963	18220160	Chr16.14815	<i>Ccdc188(+1892),Zdhhc8(+15074)</i>	N/A
Chr16	18221504	18221712	Chr16.14825	<i>Ccdc188(+3438),Zdhhc8(+13528)</i>	N/A
Chr16	18229786	18229904	Chr16.14913	<i>Zdhhc8(+5291),Ccdc188(+11675)</i>	N/A
Chr16	4643707	4643809	Chr16.1492	<i>Vasn(+3817),Coro7(+36019)</i>	N/A
Chr16	4647574	4647683	Chr16.1502	<i>Vasn(+7888),Coro7(+32148)</i>	N/A
Chr16	18286202	18286325	Chr16.15055	<i>Ogoc8(-3985),Tm62a(+36381)</i>	N/A
Chr16	18380639	18380743	Chr16.15092	<i>Arvc(+32417),Comt(+32803)</i>	N/A
Chr16	18383941	18384065	Chr16.15095	<i>Comt(+29491),Arvc(+35729)</i>	N/A
Chr16	18448170	18448482	Chr16.15295	<i>Gnb1l(-50442),Txnrd2(+21909)</i>	N/A
Chr16	18451041	18451148	Chr16.15298	<i>Gnb1l(-47673),Txnrd2(+24678)</i>	N/A
Chr16	18460037	18460221	Chr16.15325	<i>Gnb1l(-38644),Txnrd2(+33707)</i>	N/A
Chr16	18471494	18471611	Chr16.15338	<i>Gnb1l(-27215),Txnrd2(+45136)</i>	N/A
Chr16	18473948	18474075	Chr16.15355	<i>Gnb1l(-24756),Txnrd2(+47595)</i>	N/A
Chr16	18484959	18485081	Chr16.15387	<i>Gnb1l(-13748),Txnrd2(+58603)</i>	N/A
Chr16	18497885	18498037	Chr16.15389	<i>Plat264(-940),Gnb1l(-807)</i>	N/A
Chr16	18509320	18509739	Chr16.15396	<i>Plat264(+10624),Tbx1(+77444)</i>	N/A
Chr16	18551741	18551848	Chr16.15435	<i>Tbx1(-35174),Plat264(+52894)</i>	N/A
Chr16	18568499	18568625	Chr16.15482	<i>Tbx1(+18407),Plat264(+69561)</i>	N/A
Chr16	18577703	18577814	Chr16.15483	<i>Tbx1(+9210),Plat264(+78858)</i>	N/A
Chr16	18583239	18583359	Chr16.15499	<i>Tbx1(+3670),Plat264(+84398)</i>	N/A
Chr16	18585998	18586007	Chr16.15526	<i>Tbx1(+986)</i>	N/A
Chr16	18587978	18588175	Chr16.15530	<i>Tbx1(-1108)</i>	N/A
Chr16	18601254	18601365	Chr16.15546	<i>Tbx1(-14341),Gp1bb(+20056)</i>	N/A
Chr16	18601570	18601723	Chr16.15550	<i>Tbx1(-14678),Gp1bb(+19719)</i>	N/A
Chr16	18603857	18603979	Chr16.15557	<i>Tbx1(-16949),Gp1bb(+17448)</i>	N/A
Chr16	18611795	18611982	Chr16.15583	<i>Tbx1(-24920),Gp1bb(+9477)</i>	N/A
Chr16	18612459	18612583	Chr16.15585	<i>Tbx1(-25552),Gp1bb(+8845)</i>	N/A
Chr16	18613440	18613560	Chr16.15590	<i>Tbx1(-26531),Gp1bb(+7866)</i>	N/A
Chr16	18619280	18619456	Chr16.15600	<i>Tbx1(-32399),Gp1bb(+1998)</i>	N/A
Chr16	18683510	18683660	Chr16.15655	<i>Cldn5(-93262),Sept5(-53647)</i>	N/A
Chr16	18704424	18704569	Chr16.15657	<i>Sept5(-74559),Cldn5(-72350)</i>	N/A
Chr16	18774022	18774181	Chr16.15686	<i>Cldn5(-2745)</i>	N/A
Chr16	18775908	18776087	Chr16.15691	<i>Cldn5(-949)</i>	N/A
Chr16	46506069	4650776	Chr16.1583	<i>Vasn(+10782),Coro7(+29054)</i>	N/A
Chr16	4653204	4653310	Chr16.1587	<i>Vasn(+13316),Coro7(+26520)</i>	N/A
Chr16	4655286	4655427	Chr16.1597	<i>Vasn(+15416),Coro7(+24420)</i>	N/A
Chr16	19761797	19761899	Chr16.16021	<i>B3gnt5(+1614),A930003a15nk(+122049)</i>	N/A
Chr16	4656317	4656447	Chr16.1604	<i>Vasn(+16441),Coro7(+23395)</i>	N/A
Chr16	4658821	4658924	Chr16.1608	<i>Vasn(+18932),Coro7(+20904)</i>	N/A
Chr16	19983036	19983181	Chr16.16133	<i>Klhl6(-72)</i>	N/A
Chr16	20091218	20091466	Chr16.16145	<i>Klhl6(-108305),Klhl24(-5212)</i>	N/A
Chr16	20097514	20097621	Chr16.16149	<i>Klhl24(+14)</i>	N/A
Chr16	20116043	20116217	Chr16.16180	<i>Yeats2(-24933),Klhl24(+18576)</i>	N/A
Chr16	20401692	20401874	Chr16.16574	<i>Cyp2ab1(-78718),Abcc5(+24611)</i>	N/A
Chr16	20426242	20426401	Chr16.16620	<i>Abcc5(-72)</i>	N/A
Chr16	20518064	20518166	Chr16.16704	<i>Ap2m1(-17365),Dvl3(+1133)</i>	N/A
Chr16	20532187	20532413	Chr16.16779	<i>Ap2m1(-3180)</i>	N/A
Chr16	20535423	20535569	Chr16.16784	<i>Ap2m1(+16)</i>	N/A
Chr16	20535687	20535808	Chr16.16787	<i>Ap2m1(+268)</i>	N/A
Chr16	20618007	20618763	Chr16.17080	<i>Camk2n2(+1602),Eca3(+8075)</i>	N/A
Chr16	20645817	20645935	Chr16.17176	<i>Camk2n2(-24589),Psm2(-5776)</i>	N/A
Chr16	20673432	20673655	Chr16.17246	<i>Elf4g1(+27)</i>	N/A
Chr16	20678120	20678285	Chr16.17273	<i>Fam131a(-16705),Elf4g1(+4688)</i>	N/A
Chr16	20692771	20692892	Chr16.17366	<i>Fam131a(-2076)</i>	N/A
Chr16	20693232	20693332	Chr16.17367	<i>Fam131a(-1626)</i>	N/A
Chr16	20694983	20695266	Chr16.17369	<i>Fam131a(+67)</i>	N/A
Chr16	20695980	20696203	Chr16.17377	<i>Fam131a(+1184),Clcn2(+20025)</i>	N/A
Chr16	20701981	20702145	Chr16.17404	<i>Fam131a(+7155),Clcn2(+14054)</i>	N/A
Chr16	20702920	20703074	Chr16.17409	<i>Fam131a(+8089),Clcn2(+13120)</i>	N/A
Chr16	20713911	20714266	Chr16.17501	<i>Poir2b(-3576),Clcn2(+2028)</i>	N/A
Chr16	4767301	4767421	Chr16.1754	<i>Cdjp1(-28239),Hmx2(+40998)</i>	N/A
Chr16	20729920	20730077	Chr16.17554	<i>Chrd(-3128)</i>	N/A
Chr16	20730290	20730432	Chr16.17556	<i>Chrd(-2766)</i>	N/A
Chr16	20730496	20730723	Chr16.17557	<i>Chrd(-2517)</i>	N/A
Chr16	20731772	20731880	Chr16.17563	<i>Chrd(-1301)</i>	N/A
Chr16	21195326	21195507	Chr16.17677	<i>Tp53(-46096),Ephb3(-9338)</i>	N/A
Chr16	21205650	21205751	Chr16.17700	<i>Ephb3(-946)</i>	N/A
Chr16	21208090	21208215	Chr16.17711	<i>Vps8(-214865),Ephb3(+3398)</i>	N/A
Chr16	21210995	21211134	Chr16.17725	<i>Vps8(-212053),Ephb3(+6310)</i>	N/A
Chr16	21212504	21212631	Chr16.17729	<i>Vps8(-210550),Ephb3(+7813)</i>	N/A
Chr16	21216164	21216389	Chr16.17763	<i>Vps8(-206841),Ephb3(+11522)</i>	N/A
Chr16	21222804	21222880	Chr16.17864	<i>Vps8(-200416),Ephb3(+17947)</i>	N/A
Chr16	21222883	21223082	Chr16.17868	<i>Vps8(-200135),Ephb3(+18228)</i>	N/A
Chr16	21237956	21238089	Chr16.17876	<i>Vps8(-185095),Ephb3(+33268)</i>	N/A
Chr16	21240457	21240712	Chr16.17880	<i>Vps8(-182533),Ephb3(+35830)</i>	N/A
Chr16	21271835	21272014	Chr16.17911	<i>Vps8(-151193),Ephb3(+67170)</i>	N/A
Chr16	21272055	21272189	Chr16.17917	<i>Vps8(-150996),Ephb3(+67367)</i>	N/A
Chr16	21282511	21282716	Chr16.17924	<i>Vps8(-140504),Ephb3(+77859)</i>	N/A
Chr16	21286011	21286752	Chr16.17930	<i>Vps8(-136441),Ephb3(+81922)</i>	N/A
Chr16	21286943	21287093	Chr16.17933	<i>Vps8(-136100),Ephb3(+82263)</i>	N/A
Chr16	21291145	21291356	Chr16.17942	<i>Vps8(-131867),Ephb3(+86496)</i>	N/A
Chr16	21291417	21291759	Chr16.17944	<i>Vps8(-131530),Ephb3(+86833)</i>	N/A
Chr16	21292679	21292888	Chr16.17954	<i>Vps8(-130334),Ephb3(+80299)</i>	N/A
Chr16	21293323	21293560	Chr16.17960	<i>Vps8(-129676),Ephb3(+88687)</i>	N/A
Chr16	21293690	21293835	Chr16.17961	<i>Vps8(-129355),Ephb3(+89008)</i>	N/A
Chr16	21295889	21296063	Chr16.17964	<i>Vps8(-127142),Ephb3(+91221)</i>	N/A
Chr16	21296531	21296702	Chr16.17968	<i>Vps8(-126501),Ephb3(+91862)</i>	N/A
Chr16	21305559	21305705	Chr16.17971	<i>Vps8(-117486),Ephb3(+100877)</i>	N/A
Chr16	21305734	21305842	Chr16.17973	<i>Vps8(-117330),Ephb3(+101033)</i>	N/A
Chr16	21308689	21308953	Chr16.17979	<i>Vps8(-114297),Ephb3(+104066)</i>	N/A
Chr16	21309811	21309924	Chr16.17980	<i>Vps8(-113250),Ephb3(+105113)</i>	N/A
Chr16	21311065	21311212	Chr16.17985	<i>Vps8(-111979),Ephb3(+106384)</i>	N/A
Chr16	21312275	21312436	Chr16.17988	<i>Vps8(-110762),Ephb3(+107601)</i>	N/A
Chr16	21315884	21316082	Chr16.17994	<i>Vps8(-104135),Ephb3(+114228)</i>	N/A
Chr16	21321430	21321560	Chr16.17997	<i>Vps8(-101623),Ephb3(+116740)</i>	N/A
Chr16	21338994	21339177	Chr16.18017	<i>Vps8(-84032),Ephb3(+134331)</i>	N/A
Chr16	21339432	21339591	Chr16.18021	<i>Vps8(-83606),Ephb3(+134757)</i>	N/A
Chr16	21339693	21339795	Chr16.18023	<i>Vps8(-83374),Ephb3(+134989)</i>	N/A
Chr16	21339994	21340353	Chr16.18027	<i>Vps8(-82944),Ephb3(+135419)</i>	N/A
Chr16	21340494	21340612	Chr16.18031	<i>Vps8(-82565),Ephb3(+135798)</i>	N/A
Chr16	21353698	21353948	Chr16.18040	<i>Vps8(-82929),Ephb3(+140608)</i>	N/A
Chr16	21361561	21361670	Chr16.18047	<i>Vps8(-81502),Ephb3(+156861)</i>	N/A
Chr16	21362187	21362366	Chr16.18052	<i>Vps8(-60841),Ephb3(+157522)</i>	N/A
Chr16	21362868	21362982	Chr16.18055	<i>Vps8(-60193),Ephb3(+158170)</i>	N/A
Chr16	21367307	21367450	Chr16.18063	<i>Vps8(-55739),Ephb3(+16264)</i>	N/A
Chr16	21369762	21369930	Chr16.18066	<i>Vps8(-53272),Ephb3(+165991)</i>	N/A
Chr16	21370084	21370283	Chr16.18075	<i>Vps8(-52934),Ephb3(+165429)</i>	N/A
Chr16	21373583	21373731	Chr16.18082	<i>Vps8(-49461),Ephb3(+168902)</i>	N/A
Chr16	21377221	21377358	Chr16.18088	<i>Vps8(-45828),Ephb3(+172535)</i>	N/A
Chr16	21377990	21378097	Chr16.18092	<i>Vps8(-45074),Ephb3(+173289)</i>	N/A
Chr16	21385945	21386392	Chr16.18100	<i>Vps8(-36949),Ephb3(+181416)</i>	N/A
Chr16	21386443	21386628	Chr16.18106	<i>Vps8(-36582),Ephb3(+181781)</i>	N/A
Chr16	21388550	21388674	Chr16.18108	<i>Vps8(-34506),Ephb3(+183857)</i>	N/A
Chr16	21390898	21391093	Chr16.18111	<i>Vps8(-32122),Ephb3(+186241)</i>	N/A
Chr16	21391269	21391465	Chr16.18114	<i>Vps8(-31751),Ephb3(+186612)</i>	N/A
Chr16	21395459	21395615	Chr16.18123	<i>Vps8(-27581),Ephb3(+190762)</i>	N/A
Chr16	21397952	21398241	Chr16.18132	<i>Vps8(-25021),Ephb3(+193342)</i>	N/A
Chr16	21405493	21405720	Chr16.18144	<i>Vps8(-17511),Ephb3(+200852)</i>	N/A
Chr16	21442753	21442939	Chr16.18161	<i>Vps8(+19728),2510009e07nk(+251819)</i>	N/A
Chr16	21445044	21445543	Chr16.18165	<i>Vps8(+22178),2510009e07nk(+249371)</i>	N/A
Chr16	21458042	21458290	Chr16.18191	<i>Vps8(+35048),2510009e07nk(+236499)</i>	N/A
Chr16	21650889	21650899	Chr16.18321	<i>2510009e07nk(+44021),Vps8(+227326)</i>	N/A
Chr16	21695482	21695606	Chr16.18358	<i>2510009e07nk(-869)</i>	N/A

Chr16	21695785	21695925	Chr16.18361	2510009e07rik(-1190)	N/A
Chr16	21795825	21796007	Chr16.18446	Map3k13(-96053),Ehnhadh(-5072)	N/A
Chr16	21802960	21803105	Chr16.18454	Map3k13(-86936),Ehnhadh(-15189)	N/A
Chr16	21845859	21845963	Chr16.18473	Ehnhadh(-58677),Map3k13(-46056)	N/A
Chr16	21845992	21846121	Chr16.18479	Ehnhadh(-58213),Map3k13(-45912)	N/A
Chr16	21846406	21846516	Chr16.18484	Ehnhadh(-58617),Map3k13(-45508)	N/A
Chr16	21853384	21853630	Chr16.18498	Ehnhadh(-65663),Map3k13(-38462)	N/A
Chr16	21868816	21868922	Chr16.18510	Ehnhadh(-81029),Map3k13(-23100)	N/A
Chr16	21869864	21870273	Chr16.18513	Ehnhadh(-82240),Map3k13(-21885)	N/A
Chr16	21891271	21891376	Chr16.18525	Ehnhadh(-93480),Map3k13(-10645)	N/A
Chr16	4879786	4879894	Chr16.1857	Ubald1(+475)	N/A
Chr16	4880453	4880613	Chr16.1859	Ubald1(-218)	N/A
Chr16	21995615	21995750	Chr16.18748	Lph(-141)	N/A
Chr16	22119280	22119584	Chr16.18877	Igf2bp2(+43867),Serp2(+109948)	N/A
Chr16	22158171	22158366	Chr16.18910	Igf2bp2(+5030),Serp2(+148785)	N/A
Chr16	22159305	22159542	Chr16.18918	Igf2bp2(+3875),Serp2(+149940)	N/A
Chr16	22160411	22160589	Chr16.18928	Igf2bp2(+2799),Serp2(+151016)	N/A
Chr16	22160741	22160907	Chr16.18932	Igf2bp2(+2475),Serp2(+151340)	N/A
Chr16	22161518	22161637	Chr16.18940	Igf2bp2(+1721),Serp2(+152094)	N/A
Chr16	22260381	22260521	Chr16.18971	Igf2bp2(-97152),Tra2b(+5554)	N/A
Chr16	22348781	22348903	Chr16.19018	Tra2b(-63837),Etv5(+90877)	N/A
Chr16	22380008	22380199	Chr16.19030	Tra2b(-114099),Etv5(+59615)	N/A
Chr16	22389597	22389889	Chr16.19088	Tra2b(-123738),Etv5(+49976)	N/A
Chr16	22390372	22390628	Chr16.19090	Tra2b(-124495),Etv5(+49219)	N/A
Chr16	22396459	22396650	Chr16.19110	Tra2b(-130550),Etv5(+43164)	N/A
Chr16	22405638	22405870	Chr16.19132	Tra2b(-139749),Etv5(+33955)	N/A
Chr16	22428905	22429094	Chr16.19159	Tra2b(-162965),Etv5(+10719)	N/A
Chr16	22430235	22430487	Chr16.19165	Tra2b(-164356),Etv5(+9358)	N/A
Chr16	22434096	22434239	Chr16.19174	Tra2b(-168163),Etv5(+5551)	N/A
Chr16	22438514	22438831	Chr16.19196	Tra2b(-172668),Etv5(+1046)	N/A
Chr16	22439802	22439987	Chr16.19203	Etv5(-178)	N/A
Chr16	22440352	22440265	Chr16.19206	Etv5(-440)	N/A
Chr16	22440510	22440669	Chr16.19208	Etv5(-871)	N/A
Chr16	22452261	22452408	Chr16.19220	Etv5(-12616),Dgkq(+204838)	N/A
Chr16	22465953	22466309	Chr16.19242	Etv5(-26412),Dgkq(+191042)	N/A
Chr16	22468428	22468588	Chr16.19251	Etv5(-28788),Dgkq(+188656)	N/A
Chr16	22469441	22469658	Chr16.19260	Etv5(-39830),Dgkq(+187624)	N/A
Chr16	22509306	22509511	Chr16.19305	Etv5(-69690),Dgkq(+147764)	N/A
Chr16	22509808	22509941	Chr16.19307	Etv5(-70156),Dgkq(+147298)	N/A
Chr16	22517850	22518005	Chr16.19321	Etv5(-78209),Dgkq(+139245)	N/A
Chr16	22545361	22545534	Chr16.19362	Etv5(-105729),Dgkq(+111725)	N/A
Chr16	22658192	22658296	Chr16.19486	Dgkq(-10771)	N/A
Chr16	22800569	22800720	Chr16.19553	Dgkq(-143471),Crygs(-10766)	N/A
Chr16	22857765	22857869	Chr16.19645	Tbcd(-248),Dnajb1(-28)	N/A
Chr16	23107690	23107827	Chr16.19859	Eif4a2(+315)	N/A
Chr16	23109525	23109644	Chr16.19872	Eif4a2(+2141),Rfc4(+18152)	N/A
Chr16	23111301	23111416	Chr16.19883	Eif4a2(-3915),Bcl6(+36378)	N/A
Chr16	23226572	23226730	Chr16.19972	Bcl6(179,-1283)	N/A
Chr16	23233862	23234025	Chr16.19982	Rtp(-195189),Bcl6(179,-8576)	N/A
Chr16	23240862	23240993	Chr16.19989	Rtp(-188205),Bcl6(179,-15560)	N/A
Chr16	23258772	23259040	Chr16.19999	Rtp(-170227),Bcl6(179,-33538)	N/A
Chr16	23270698	23270858	Chr16.20002	Rtp(-158355),Bcl6(179,-45410)	N/A
Chr16	23317960	23317703	Chr16.20005	Rtp(-111501),Bcl6(179,-92264)	N/A
Chr16	23518026	23518155	Chr16.20040	Masp1(+2459),Rtp(+18858)	N/A
Chr16	23518203	23518332	Chr16.20050	Masp1(+2322),Rtp(+89135)	N/A
Chr16	23518574	23518729	Chr16.20253	Masp1(+1938),Rtp(+89519)	N/A
Chr16	23519946	23520181	Chr16.20258	Masp1(+526)	N/A
Chr16	23522809	23522982	Chr16.20270	Masp1(-2306)	N/A
Chr16	23780720	23780826	Chr16.20416	Sst(+110070),Rtp(+170855)	N/A
Chr16	23793004	23793202	Chr16.20423	Sst(+97741),Rtp(+183184)	N/A
Chr16	23981233	23981456	Chr16.20638	Rtp2(-50558),Bcl6(+7507)	N/A
Chr16	23982909	23983021	Chr16.20645	Rtp2(-52178),Bcl6(+5887)	N/A
Chr16	23983210	23983366	Chr16.20648	Rtp2(-52501),Bcl6(+5564)	N/A
Chr16	23986169	23986342	Chr16.20656	Rtp2(-58468),Bcl6(+2596)	N/A
Chr16	23986426	23986539	Chr16.20657	Rtp2(-56966),Bcl6(-2369)	N/A
Chr16	23986584	23987022	Chr16.20658	Rtp2(-56166),Bcl6(+1899)	N/A
Chr16	23987414	23987866	Chr16.20661	Rtp2(-56853),Bcl6(+1212)	N/A
Chr16	23988319	23988442	Chr16.20670	Bcl6(+471)	N/A
Chr16	23988565	23988713	Chr16.20671	Bcl6(+213)	N/A
Chr16	23988864	23989044	Chr16.20674	Bcl6(-111)	N/A
Chr16	23989003	23989033	Chr16.20681	Bcl6(-1115)	N/A
Chr16	23990195	23990480	Chr16.20683	Bcl6(-1486)	N/A
Chr16	23990706	23990844	Chr16.20686	Bcl6(-1923)	N/A
Chr16	23993726	23993876	Chr16.20701	Bcl6(-4949)	N/A
Chr16	24056583	24056724	Chr16.20764	Lpp(-336966),Bcl6(-67802)	N/A
Chr16	24057106	24057332	Chr16.20768	Lpp(-336131),Bcl6(-68367)	N/A
Chr16	24077603	24077758	Chr16.20798	Lpp(-315669),Bcl6(-88829)	N/A
Chr16	24084065	24084229	Chr16.20811	Lpp(-309203),Bcl6(-95295)	N/A
Chr16	24090200	24090327	Chr16.20818	Lpp(-303086),Bcl6(-101412)	N/A
Chr16	24143073	24143335	Chr16.20868	Lpp(-250146),Bcl6(-154352)	N/A
Chr16	24145416	24145609	Chr16.20914	Lpp(-227377),Bcl6(-176761)	N/A
Chr16	24206153	24206265	Chr16.20937	Bcl6(-217357),Bcl6(-187141)	N/A
Chr16	24218404	24218623	Chr16.21000	Bcl6(-229682),Lpp(-174836)	N/A
Chr16	24218676	24218912	Chr16.21004	Bcl6(-229942),Lpp(-174556)	N/A
Chr16	24231626	24231749	Chr16.21031	Bcl6(-24236),Lpp(-161662)	N/A
Chr16	24238406	24238613	Chr16.21043	Bcl6(-249658),Lpp(-154840)	N/A
Chr16	24348028	24348385	Chr16.21120	Bcl6(-393353),Lpp(-65143)	N/A
Chr16	24367225	24367390	Chr16.21149	Bcl6(-378456),Lpp(-26042)	N/A
Chr16	24424745	24424960	Chr16.21190	Tprg(-861964),Lpp(+31503)	N/A
Chr16	24428844	24428958	Chr16.21195	Tprg(-857916),Lpp(+35551)	N/A
Chr16	24434658	24434968	Chr16.21200	Tprg(-852004),Lpp(+1463)	N/A
Chr16	24443013	24443222	Chr16.21212	Tprg(-843699),Lpp(+49768)	N/A
Chr16	24447836	24448036	Chr16.21220	Tprg(-638881),Lpp(+64568)	N/A
Chr16	24455250	24455562	Chr16.21232	Tprg(-831411),Lpp(+62056)	N/A
Chr16	5013904	5014301	Chr16.2126	Rogdi(-686)	N/A
Chr16	24487900	24488050	Chr16.21283	Tprg(-798842),Lpp(+94625)	N/A
Chr16	24491010	24491264	Chr16.21290	Tprg(-795680),Lpp(+97787)	N/A
Chr16	24494584	24494825	Chr16.21294	Tprg(-792107),Lpp(+101389)	N/A
Chr16	24494864	24494986	Chr16.21299	Tprg(-791892),Lpp(+101579)	N/A
Chr16	24495152	24495318	Chr16.21302	Tprg(-791582),Lpp(+101885)	N/A
Chr16	24495577	24495695	Chr16.21304	Tprg(-791181),Lpp(+102286)	N/A
Chr16	5015106	5015223	Chr16.2132	Rogdi(-1648)	N/A
Chr16	24506901	24507191	Chr16.21330	Tprg(-797971),Lpp(+113696)	N/A
Chr16	24515163	24515489	Chr16.21352	Tprg(-771491),Lpp(+121976)	N/A
Chr16	24565464	24565600	Chr16.21401	Tprg(-721285),Lpp(+172182)	N/A
Chr16	24566821	24567077	Chr16.21406	Tprg(-719868),Lpp(+173599)	N/A
Chr16	24600427	24600613	Chr16.21442	Tprg(-686297),Lpp(+207170)	N/A
Chr16	24620083	24620237	Chr16.21473	Tprg(-666657),Lpp(+226810)	N/A
Chr16	24624423	24624659	Chr16.21476	Tprg(-662276),Lpp(+231191)	N/A
Chr16	24643268	24643383	Chr16.21505	Tprg(-643491),Lpp(+246976)	N/A
Chr16	24643415	24643676	Chr16.21507	Tprg(-643271),Lpp(+250196)	N/A
Chr16	24643709	24643834	Chr16.21510	Tprg(-643045),Lpp(+250422)	N/A
Chr16	24646306	24646513	Chr16.21515	Tprg(-640407),Lpp(+253060)	N/A
Chr16	24712277	24712603	Chr16.21581	Tprg(-574377),Lpp(+319090)	N/A
Chr16	24737489	24737604	Chr16.21614	Tprg(-549270),Lpp(+344197)	N/A
Chr16	24737789	24738061	Chr16.21616	Tprg(-548892),Lpp(+344575)	N/A
Chr16	24813669	24813813	Chr16.21747	Tprg(-473076),Lpp(+420391)	N/A
Chr16	5048269	5048457	Chr16.2176	Ubn1(-1705),Glyrl(+1547)	N/A
Chr16	24900447	24900789	Chr16.21877	Tprg(-386199),Lpp(+507268)	N/A
Chr16	24919331	24919471	Chr16.21905	Tprg(-367416),Lpp(+526051)	N/A
Chr16	24919590	24919712	Chr16.21907	Tprg(-367166),Lpp(+526351)	N/A
Chr16	24930669	24930810	Chr16.21917	Tprg(-356077),Lpp(+537390)	N/A
Chr16	24931919	24932022	Chr16.21919	Tprg(-354846),Lpp(+538621)	N/A
Chr16	24941301	24941484	Chr16.21932	Tprg(-345424),Lpp(+548043)	N/A
Chr16	24943667	24943770	Chr16.21937	Tprg(-343088),Lpp(+550369)	N/A
Chr16	24948277	24948702	Chr16.21943	Tprg(-338327),Lpp(+555149)	N/A
Chr16	24960962	24961291	Chr16.21958	Tprg(-325690),Lpp(+567777)	N/A
Chr16	24961682	24962022	Chr16.21965	Tprg(-324965),Lpp(+568502)	N/A
Chr16	25016420	25016797	Chr16.22054	Tprg(-270208),Lpp(+623259)	N/A
Chr16	25040172	25040313	Chr16.22066	Tprg(-246574),Lpp(+646893)	N/A
Chr16	25041769	25041973	Chr16.22069	Tprg(-244946),Lpp(+646521)	N/A
Chr16	25042142	25042170	Chr16.22075	Tprg(-244711),Lpp(+646756)	N/A
Chr16	25058830	25058935	Chr16.22091	Tprg(-227934),Lpp(+665533)	N/A
Chr16	25059330	25059604	Chr16.22094	Tprg(-227350),Lpp(+666117)	N/A
Chr16	25064700	25064799	Chr16.22100	Tprg(-222067),Lpp(+671400)	N/A
Chr16	25087838	25088108	Chr16.22128	Tprg(-198844),Lpp(+694623)	N/A
Chr16	25088252	25088635	Chr16.22133	Tprg(-198373),Lpp(+680944)	N/A
Chr16	25248534	25249113	Chr16.22210	Tprg(-37843),Lpp(+855624)	N/A

Chr16	25367819	25367935	Chr16.22321	Trp63(-315888), Trp(+91060)	N/A
Chr16	25380773	25380962	Chr16.22345	Trp63(-302897), Trp(+94051)	N/A
Chr16	25385411	25385890	Chr16.22351	Trp63(-298114), Trp(+98834)	N/A
Chr16	25401719	25401738	Chr16.22371	Trp63(-276407), Trp(+120541)	N/A
Chr16	25408233	25408343	Chr16.22377	Trp63(-275477), Trp(+121471)	N/A
Chr16	25411542	25411792	Chr16.22387	Trp63(-272098), Trp(+124850)	N/A
Chr16	25417963	25418171	Chr16.22401	Trp63(-265698), Trp(+131250)	N/A
Chr16	25418235	25418439	Chr16.22403	Trp63(-265428), Trp(+131520)	N/A
Chr16	25418499	25418607	Chr16.22406	Trp63(-265212), Trp(+131738)	N/A
Chr16	25426078	25426217	Chr16.22418	Trp63(-257471), Trp(+138331)	N/A
Chr16	25445177	25445378	Chr16.22432	Trp63(-238487), Trp(+158461)	N/A
Chr16	25445752	25445937	Chr16.22437	Trp63(-237920), Trp(+159028)	N/A
Chr16	25449254	25449634	Chr16.22444	Trp63(-234321), Trp(+162627)	N/A
Chr16	25465520	25465681	Chr16.22465	Trp63(-218164), Trp(+178784)	N/A
Chr16	25468184	25468184	Chr16.22472	Trp63(-217332), Trp(+179316)	N/A
Chr16	25529586	25529839	Chr16.22531	Trp63(-154052), Trp(+242898)	N/A
Chr16	25584851	25585107	Chr16.22583	Trp63(-98786), Trp(+298162)	N/A
Chr16	25585322	25585494	Chr16.22590	Trp63(-98357), Trp(+298591)	N/A
Chr16	25622281	25622399	Chr16.22614	Trp63(-61425), Trp(+335523)	N/A
Chr16	25673973	25674110	Chr16.22643	Trp63(-9723), Trp(+387225)	N/A
Chr16	25746700	25746802	Chr16.22717	Trp63(-62866), P3h2(+359033)	N/A
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Chr16	25774851	25775141	Chr16.22737	Trp63(+91231), P3h2(+330788)	N/A
Chr16	25775180	25775364	Chr16.22740	Trp63(+91507), P3h2(+330512)	N/A
Chr16	25780153	25780268	Chr16.22747	Trp63(+96448), P3h2(+325573)	N/A
Chr16	25801987	25802142	Chr16.22788	Trp63(+118300), P3h2(+303719)	N/A
Chr16	25802914	25803017	Chr16.22782	Trp63(+119201), P3h2(+302818)	N/A
Chr16	25817827	25818081	Chr16.22813	Trp63(+134189), P3h2(+287830)	N/A
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Chr16	25826086	25826187	Chr16.22836	Trp63(+142372), P3h2(+279647)	N/A
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Chr16	25843710	25844007	Chr16.22865	Trp63(+160949), P3h2(+261925)	N/A
Chr16	25850012	25850251	Chr16.22866	Trp63(+166367), P3h2(+255552)	N/A
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Chr16	25945599	25945702	Chr16.23009	P3h2(+180133), Trp63(+261886)	N/A
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Chr16	26011082	26011279	Chr16.23134	P3h2(+94603), Trp63(+327162)	N/A
Chr16	26048047	26048181	Chr16.23188	P3h2(+57670), Trp63(+364349)	N/A
Chr16	26049715	26049882	Chr16.23193	P3h2(+55985), Trp63(+366034)	N/A
Chr16	26184588	26184852	Chr16.23288	P3h2(-78936), Cldn1(+187121)	N/A
Chr16	26196486	26196611	Chr16.23295	P3h2(-90765), Cldn1(+175292)	N/A
Chr16	26249095	26249197	Chr16.23297	P3h2(-143562), Cldn1(+122695)	N/A
Chr16	26281711	26281817	Chr16.23307	P3h2(-175880), Cldn1(+90077)	N/A
Chr16	26368525	26368679	Chr16.23355	P3h2(-262818), Cldn1(+3239)	N/A
Chr16	26373697	26373815	Chr16.23366	Cldn1(-1915)	N/A
Chr16	26967832	26968029	Chr16.23805	Gmnc(+22043), Il1rap(+386227)	N/A
Chr16	27401711	27401924	Chr16.23993	Ccdc50(+12949)	N/A
Chr16	27523675	27523864	Chr16.24098	Ccdc50(+134901), Fgf12(+921457)	N/A
Chr16	28238695	28238880	Chr16.24373	Fgf12(+206439), Ccdc50(+849919)	N/A
Chr16	28445603	28445934	Chr16.24532	Fgf12(-542)	N/A
Chr16	28564232	28564386	Chr16.24596	Fgf12(-119082), Mb21d2(+365389)	N/A
Chr16	28564553	28564722	Chr16.24599	Fgf12(-119411), Mb21d2(+365060)	N/A
Chr16	28625941	28626058	Chr16.24639	Fgf12(-180773), Mb21d2(+303698)	N/A
Chr16	28752663	28752946	Chr16.24744	Fgf12(-307578), Mb21d2(+176893)	N/A
Chr16	28753151	28753267	Chr16.24747	Fgf12(-307882), Mb21d2(+176489)	N/A
Chr16	28753224	28753446	Chr16.24748	Fgf12(-308158), Mb21d2(+176313)	N/A
Chr16	28827066	28827184	Chr16.24802	Fgf12(-381898), Mb21d2(+102573)	N/A
Chr16	28868346	28868499	Chr16.24858	Fgf12(-423196), Mb21d2(+61275)	N/A
Chr16	28871197	28871315	Chr16.24863	Fgf12(-426029), Mb21d2(+25442)	N/A
Chr16	28894870	28895055	Chr16.24869	Fgf12(-449736), Mb21d2(+34738)	N/A
Chr16	28927474	28927625	Chr16.24925	Fgf12(-482323), Mb21d2(+2148)	N/A
Chr16	28928906	28929088	Chr16.24929	Mb21d2(+701)	N/A
Chr16	28930051	28930184	Chr16.24936	Mb21d2(-420)	N/A
Chr16	5130963	5131106	Chr16.2528	Pp1(+1448), Ubr1(+80967)	N/A
Chr16	29331556	29331764	Chr16.25330	Atp13a5(+47072), Pfaat1(+121958)	N/A
Chr16	29541575	29541717	Chr16.25523	Atp13a4(-49)	N/A
Chr16	29635874	29636176	Chr16.25623	Hes1(-429315), Opa1(+56645)	N/A
Chr16	29642400	29642697	Chr16.25631	Hes1(-422791), Opa1(+63169)	N/A
Chr16	29657728	29658011	Chr16.25648	Hes1(-407470), Opa1(+78490)	N/A
Chr16	29658071	29658360	Chr16.25651	Hes1(-407724), Opa1(+78638)	N/A
Chr16	29657011	29667155	Chr16.25655	Hes1(-398257), Opa1(+87703)	N/A
Chr16	29667265	29667427	Chr16.25657	Hes1(-397994), Opa1(+87966)	N/A
Chr16	29668544	29668735	Chr16.25661	Hes1(-396700), Opa1(+89260)	N/A
Chr16	29683481	29683697	Chr16.25674	Hes1(-381751), Opa1(+104209)	N/A
Chr16	29688394	29688518	Chr16.25677	Hes1(-376884), Opa1(+109076)	N/A
Chr16	29687111	29688854	Chr16.25682	Hes1(-376557), Opa1(+109403)	N/A
Chr16	29735047	29735192	Chr16.25710	Hes1(-330220), Opa1(+155740)	N/A
Chr16	29742908	29743013	Chr16.25711	Hes1(-322379), Opa1(+163581)	N/A
Chr16	29774289	29774621	Chr16.25726	Hes1(-290885), Opa1(+195075)	N/A
Chr16	29788523	29788523	Chr16.25738	Hes1(-276948), Opa1(+209012)	N/A
Chr16	29807838	29807968	Chr16.25747	Hes1(-257437), Opa1(+228523)	N/A
Chr16	29818056	29818158	Chr16.25755	Hes1(-249233), Opa1(+236721)	N/A
Chr16	29837292	29837422	Chr16.25773	Hes1(-227983), Opa1(+257977)	N/A
Chr16	29838034	29838144	Chr16.25778	Hes1(-227251), Opa1(+258709)	N/A
Chr16	29839429	29839558	Chr16.25781	Hes1(-225846), Opa1(+260114)	N/A
Chr16	29841224	29841368	Chr16.25792	Hes1(-224044), Opa1(+267916)	N/A
Chr16	29876337	29876654	Chr16.25827	Hes1(-188844), Opa1(+297116)	N/A
Chr16	29889415	29889589	Chr16.25849	Hes1(-175838), Opa1(+310122)	N/A
Chr16	29904476	29904597	Chr16.25866	Hes1(-160803), Opa1(+325157)	N/A
Chr16	29908255	29908472	Chr16.25873	Hes1(-156976), Opa1(+328984)	N/A
Chr16	29915440	29915705	Chr16.25886	Hes1(-149767), Opa1(+336193)	N/A
Chr16	29928454	29928559	Chr16.25892	Hes1(-136833), Opa1(+349127)	N/A
Chr16	29991009	29991124	Chr16.25910	Hes1(-74273), Opa1(+411687)	N/A
Chr16	29993764	29993868	Chr16.25913	Hes1(-71524), Opa1(+414436)	N/A
Chr16	29996727	29996951	Chr16.25919	Hes1(-68501), Opa1(+417459)	N/A
Chr16	30005267	30005440	Chr16.25925	Hes1(-59986), Opa1(+425074)	N/A
Chr16	30020010	30020169	Chr16.25931	Hes1(-462520), Opa1(+440710)	N/A
Chr16	30023101	30023342	Chr16.25936	Hes1(-442118), Opa1(+443842)	N/A
Chr16	30024823	30025084	Chr16.25939	Hes1(-40386), Opa1(+445574)	N/A
Chr16	30028063	30028387	Chr16.25947	Hes1(-37715), Opa1(+448845)	N/A
Chr16	30030009	30030130	Chr16.25953	Hes1(-35270), Opa1(+450690)	N/A
Chr16	30038680	30038816	Chr16.25961	Hes1(-26592), Opa1(+459368)	N/A
Chr16	30045676	30045835	Chr16.25967	Hes1(-19584), Opa1(+466376)	N/A
Chr16	30055979	30056186	Chr16.25986	Hes1(-9257), Opa1(+476703)	N/A
Chr16	30060432	30060599	Chr16.25994	Hes1(-4824)	N/A
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Chr16	30065101	30065357	Chr16.26011	Hes1(-111)	N/A
Chr16	30068272	30068690	Chr16.26024	Hes1(+3141), Cpn2(+199051)	N/A
Chr16	30068786	30068895	Chr16.26026	Hes1(+3650), Cpn2(+198692)	N/A
Chr16	30070028	30070141	Chr16.26027	Hes1(+4744), Cpn2(+197449)	N/A
Chr16	30103023	30103431	Chr16.26061	Hes1(+37887), Cpn2(+164305)	N/A
Chr16	30103490	30103769	Chr16.26070	Hes1(+38290), Cpn2(+163902)	N/A
Chr16	30122315	30122724	Chr16.26084	Hes1(+57180), Cpn2(+145012)	N/A
Chr16	30145093	30145196	Chr16.26104	Hes1(+79805), Cpn2(+122387)	N/A
Chr16	30145440	30145554	Chr16.26108	Hes1(+80157), Cpn2(+122035)	N/A
Chr16	30157715	30157831	Chr16.26113	Hes1(+92433), Cpn2(+109759)	N/A
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Chr16	30184969	30185160	Chr16.26135	Cpn2(+82467), Hes1(+119725)	N/A
Chr16	30185189	30185323	Chr16.26139	Cpn2(+82276), Hes1(+119916)	N/A
Chr16	30188021	30189132	Chr16.26143	Cpn2(+79455), Hes1(+122737)	N/A
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Chr16	30602350	30602464	Chr16.26583	Fam43a(+2684), Xxyt1(+479025)	N/A
Chr16	30602541	30602721	Chr16.26585	Fam43a(+2908), Xxyt1(+478801)	N/A
Chr16	30604632	30604743	Chr16.26592	Fam43a(+4965), Xxyt1(+476744)	N/A
Chr16	30769184	30769347	Chr16.26625	Fam43a(+169843), Xxyt1(+312168)	N/A
Chr16	30821157	30821279	Chr16.26652	Fam43a(+221495), Xxyt1(+260214)	N/A
Chr16	30821397	30821651	Chr16.26654	Fam43a(+221801), Xxyt1(+259908)	N/A
Chr16	30850588	30850585	Chr16.26688	Xxyt1(+96255), Fam43a(+385454)	N/A
Chr16	31019657	31019780	Chr16.26707	Xxyt1(+61713), Fam43a(+419996)	N/A
Chr16	31052746	31052908	Chr16.26710	Xxyt1(-28605), Fam43a(+453104)	N/A
Chr16	31249466	31249582	Chr16.26870	Akap2(-48286), Ppp1r2(+25753)	N/A
Chr16	31312548	31312681	Chr16.26940	Ppp1r2(-37338), Apod(+2193)	N/A
Chr16	31453329	31453467	Chr16.26974	Digt(-210641), Bdnf(+24650)	N/A
Chr16	31489324	31489514	Chr16.27019	Digt(-174620), Bdnf(+60671)	N/A
Chr16	31497715	31500160	Chr16.27036	Digt(-164401), Bdnf(+71190)	N/A
Chr16	31501946	31502087	Chr16.27042	Digt(-163022), Bdnf(+73269)	N/A
Chr16	31503186	31503290	Chr16.27053	Digt(-160798), Bdnf(+74495)	N/A

Chr16	31535360	31535527	Chr16.27067	Dlg1(-128595),Bdh1(+106696)	N/A
Chr16	31544132	31544297	Chr16.27073	Dlg1(-119824),Bdh1(+115467)	N/A
Chr16	31547023	31547165	Chr16.27081	Dlg1(-116945),Bdh1(+118346)	N/A
Chr16	31551478	31551634	Chr16.27089	Dlg1(-112453),Bdh1(+122808)	N/A
Chr16	31551854	31551962	Chr16.27092	Dlg1(-112131),Bdh1(+123160)	N/A
Chr16	31570555	31570740	Chr16.27098	Dlg1(-93391),Bdh1(+141900)	N/A
Chr16	31592166	31592418	Chr16.27114	Dlg1(-71747),Bdh1(+163544)	N/A
Chr16	31592469	31592656	Chr16.27119	Dlg1(-71477),Bdh1(+163815)	N/A
Chr16	31599025	31599143	Chr16.27129	Dlg1(-64953),Bdh1(+170336)	N/A
Chr16	31617939	31618038	Chr16.27145	Dlg1(-46050),Bdh1(+189241)	N/A
Chr16	31628658	31628909	Chr16.27153	Dlg1(-35255),Bdh1(+200036)	N/A
Chr16	31695441	31695585	Chr16.27197	Mellf(-183297),Dlg1(+31474)	N/A
Chr16	31695625	31695956	Chr16.27199	Mellf(-183019),Dlg1(+31752)	N/A
Chr16	31697892	31697840	Chr16.27216	Mellf(-181044),Dlg1(+33727)	N/A
Chr16	31752448	31755071	Chr16.27235	Mellf(-124150),Dlg1(+90691)	N/A
Chr16	32078120	32078268	Chr16.27590	Scp5(-74907),Pak2(+1144)	N/A
Chr16	32085230	32085340	Chr16.27596	Pak2(-5943),Pigx(+14453)	N/A
Chr16	32087361	32087511	Chr16.27599	Pak2(-8004),Pigx(+12302)	N/A
Chr16	32165368	32165561	Chr16.27715	Nrro(+11)	N/A
Chr16	32177405	32177504	Chr16.27721	Nrro(-11979),Bex6(+8737)	N/A
Chr16	32247071	32247181	Chr16.27765	Wdr5(-127),Fbxo5(+32)	N/A
Chr16	32333361	32333487	Chr16.27853	Trksf19(-67082),Ubxn7(+1172)	N/A
Chr16	32513332	32513441	Chr16.28085	Tlrc(-9553),Zdhc19(+17122)	N/A
Chr16	32644688	32644807	Chr16.28208	Tnk2(+75)	N/A
Chr16	32646174	32646284	Chr16.28217	Muc4(-89657),Tnk2(+1556)	N/A
Chr16	32660888	32660856	Chr16.28239	Muc4(-75114),Tnk2(+16099)	N/A
Chr16	32665559	32666673	Chr16.28257	Muc4(-69270),Tnk2(+21943)	N/A
Chr16	32683244	32683369	Chr16.28359	Muc4(-52579),Tnk2(+38634)	N/A
Chr16	5284789	5284891	Chr16.2859	Eef2kml(-28857)	N/A
Chr16	33243092	33243348	Chr16.28851	Snx4(-8236),Osbp11(+58149)	N/A
Chr16	33344576	33344695	Chr16.28899	Zfp148(-30139),Snx4(+93180)	N/A
Chr16	33379421	33379852	Chr16.28901	Zfp148(-1138)	N/A
Chr16	33381617	33381962	Chr16.28904	Slc12a8(-136539),Zfp148(+1015)	N/A
Chr16	33401074	33401314	Chr16.28916	Slc12a8(-117135),Zfp148(+20419)	N/A
Chr16	33464629	33464739	Chr16.28930	Slc12a8(-53645),Zfp148(+83909)	N/A
Chr16	33464908	33465196	Chr16.28932	Slc12a8(-53277),Zfp148(+84277)	N/A
Chr16	33512863	33512783	Chr16.28993	Slc12a8(-5606),Zfp148(+131948)	N/A
Chr16	33516955	33517057	Chr16.28996	Slc12a8(-1323)	N/A
Chr16	33554015	33554120	Chr16.29021	Heg1(-130398),Slc12a8(+35739)	N/A
Chr16	33563111	33563213	Chr16.29034	Heg1(-121304),Slc12a8(+44833)	N/A
Chr16	33563781	33563915	Chr16.29037	Heg1(-120618),Slc12a8(+45519)	N/A
Chr16	33580759	33580909	Chr16.29045	Heg1(-103632),Slc12a8(+62505)	N/A
Chr16	33581947	33582178	Chr16.29047	Heg1(-102403),Slc12a8(+63734)	N/A
Chr16	33594162	33594322	Chr16.29065	Heg1(-90224),Slc12a8(+75913)	N/A
Chr16	33676345	33676665	Chr16.29114	Heg1(-7961),Slc12a8(+158176)	N/A
Chr16	33687523	33687657	Chr16.29122	Muc13(-106447),Heg1(+3124)	N/A
Chr16	33697714	33697917	Chr16.29132	Muc13(-96221),Heg1(+13350)	N/A
Chr16	33700899	33701080	Chr16.29138	Muc13(-93052),Heg1(+16519)	N/A
Chr16	33734714	33734983	Chr16.29189	Muc13(-59188),Heg1(+50383)	N/A
Chr16	33737964	33738065	Chr16.29200	Muc13(-56022),Heg1(+53549)	N/A
Chr16	33740936	33741051	Chr16.29217	Muc13(-53043),Heg1(+56528)	N/A
Chr16	33833179	33833444	Chr16.29278	Ilgb5(+3635),Umps(+133726)	N/A
Chr16	33836826	33836938	Chr16.29283	Ilgb5(+7205),Umps(+130156)	N/A
Chr16	33873295	33873399	Chr16.29292	Ilgb5(+43670),Umps(+93691)	N/A
Chr16	33904308	33904416	Chr16.29341	Umps(+62676),Ilgb5(+74685)	N/A
Chr16	33934878	33935012	Chr16.29386	Umps(-32093),Ilgb5(+105268)	N/A
Chr16	34042433	34042654	Chr16.29651	Umps(-75506),Kalm(+471504)	N/A
Chr16	34058607	34058774	Chr16.29679	Umps(-91653),Kalm(+453357)	N/A
Chr16	34076947	34079089	Chr16.29690	Umps(-111530),Kalm(+435080)	N/A
Chr16	34153149	34153569	Chr16.29753	Umps(-186321),Kalm(+360689)	N/A
Chr16	34278533	34278759	Chr16.29965	Umps(-311608),Kalm(+235402)	N/A
Chr16	34330044	34330185	Chr16.30050	Umps(-363077),Kalm(+183933)	N/A
Chr16	34335025	34335127	Chr16.30061	Umps(-368038),Kalm(+178972)	N/A
Chr16	34342963	34342672	Chr16.30072	Umps(-375800),Kalm(+171430)	N/A
Chr16	34347564	34347689	Chr16.30084	Umps(-380579),Kalm(+168431)	N/A
Chr16	34352969	34353130	Chr16.30099	Umps(-386012),Kalm(+160998)	N/A
Chr16	34413951	34414056	Chr16.30193	Umps(-446966),Kalm(+100044)	N/A
Chr16	34414096	34414249	Chr16.30195	Umps(-447135),Kalm(+99875)	N/A
Chr16	34420728	34420893	Chr16.30205	Umps(-453773),Kalm(+93237)	N/A
Chr16	34424006	34425651	Chr16.30213	Umps(-459446),Kalm(+875654)	N/A
Chr16	5528741	5538887	Chr16.3022	Eef2kml(-262831)	N/A
Chr16	34445767	34445970	Chr16.30224	Umps(-478831),Kalm(+68179)	N/A
Chr16	34456306	34456565	Chr16.30232	Umps(-489398),Kalm(+57612)	N/A
Chr16	34469547	34469717	Chr16.30258	Umps(-502594),Kalm(+44416)	N/A
Chr16	34483940	34483955	Chr16.30275	Umps(-516860),Kalm(+30150)	N/A
Chr16	5549155	5549319	Chr16.3028	Eef2kml(-233254)	N/A
Chr16	34493671	34493802	Chr16.30302	Umps(-526699),Kalm(+20311)	N/A
Chr16	34493901	34494103	Chr16.30303	Umps(-526644),Kalm(+20046)	N/A
Chr16	34502160	34502593	Chr16.30307	Umps(-535339),Kalm(+11671)	N/A
Chr16	34513907	34514128	Chr16.30329	Kalm(+30)	N/A
Chr16	34517059	34517199	Chr16.30338	Kalm(-3081)	N/A
Chr16	34528477	34528672	Chr16.30352	Ropn1(-124613),Kalm(-12527)	N/A
Chr16	34535301	34535436	Chr16.30363	Ropn1(-115819),Kalm(-21321)	N/A
Chr16	34558601	34558847	Chr16.30397	Ropn1(-92464),Kalm(-44676)	N/A
Chr16	34561953	34562096	Chr16.30404	Ropn1(-89163),Kalm(-47977)	N/A
Chr16	34571937	34572089	Chr16.30420	Ropn1(-79175),Kalm(-57965)	N/A
Chr16	34574374	34574568	Chr16.30424	Ropn1(-76718),Kalm(-60422)	N/A
Chr16	34595463	34595685	Chr16.30433	Kalm(-81528),Ropn1(-55614)	N/A
Chr16	34772692	34773056	Chr16.30569	Myk1(-12047),Cccl14(+82258)	N/A
Chr16	34793013	34793348	Chr16.30579	Hacd2(-229240),Myk1(+8260)	N/A
Chr16	34807115	34807244	Chr16.30600	Hacd2(-215241),Myk1(+22259)	N/A
Chr16	34834494	34834674	Chr16.30624	Hacd2(-187837),Myk1(+49663)	N/A
Chr16	34839578	34839823	Chr16.30626	Hacd2(-182720),Myk1(+54780)	N/A
Chr16	34847255	34847354	Chr16.30631	Hacd2(-175116),Myk1(+62384)	N/A
Chr16	34921332	34921448	Chr16.30741	Hacd2(-101031),Myk1(+136469)	N/A
Chr16	34935623	34935926	Chr16.30781	Hacd2(-86646),Myk1(+150854)	N/A
Chr16	34952411	34952512	Chr16.30800	Hacd2(-69959),Myk1(+167541)	N/A
Chr16	34958752	34958991	Chr16.30814	Hacd2(-63549),Myk1(+173951)	N/A
Chr16	34961196	34961360	Chr16.30823	Hacd2(-61143),Myk1(+176357)	N/A
Chr16	34973692	34973933	Chr16.30853	Hacd2(-48608),Myk1(+188892)	N/A
Chr16	5595236	5595345	Chr16.3088	Eef2kml(-339308)	N/A
Chr16	34994704	34994955	Chr16.30884	Hacd2(-27591),Myk1(+209909)	N/A
Chr16	35000558	35000778	Chr16.30901	Hacd2(-21703),Myk1(+215797)	N/A
Chr16	35001468	35001588	Chr16.30904	Hacd2(-20804),Myk1(+216506)	N/A
Chr16	35034249	35034404	Chr16.30923	Adcy5(-120550),Hacd2(+11906)	N/A
Chr16	35106770	35106947	Chr16.30981	Adcy5(-48018),Hacd2(+84438)	N/A
Chr16	35110946	35111125	Chr16.30999	Adcy5(-43841),Hacd2(+88615)	N/A
Chr16	35117541	35117682	Chr16.31002	Adcy5(-37275),Hacd2(+95191)	N/A
Chr16	35127087	35127240	Chr16.31006	Adcy5(-27713),Hacd2(+104743)	N/A
Chr16	35138998	35140147	Chr16.31014	Adcy5(-14804),Hacd2(+117652)	N/A
Chr16	35140198	35140297	Chr16.31015	Adcy5(-14629),Hacd2(+117827)	N/A
Chr16	35154354	35154481	Chr16.31029	Adcy5(-459)	N/A
Chr16	35164580	35164700	Chr16.31057	Adcy5(+9763),Sec22a(+199278)	N/A
Chr16	35164956	35165070	Chr16.31059	Adcy5(+10136),Sec22a(+198905)	N/A
Chr16	35178243	35178346	Chr16.31070	Adcy5(+24418),Sec22a(+184623)	N/A
Chr16	35189794	35189924	Chr16.31079	Adcy5(+34885),Sec22a(+174056)	N/A
Chr16	35215704	35215888	Chr16.31116	Adcy5(+60919),Sec22a(+148122)	N/A
Chr16	35224723	35224887	Chr16.31127	Adcy5(+69928),Sec22a(+139113)	N/A
Chr16	35232261	35232493	Chr16.31135	Adcy5(+77500),Sec22a(+131541)	N/A
Chr16	35272936	35273050	Chr16.31183	Sec22a(+96925),Adcy5(+118116)	N/A
Chr16	35363820	35363961	Chr16.31312	Sec22a(+32)	N/A
Chr16	35479391	35479512	Chr16.31445	Sec22a(-115534),Pdia5(+11421)	N/A
Chr16	35518088	35518190	Chr16.31467	Pdia5(-27266),Sema5(-23432)	N/A
Chr16	35542246	35542383	Chr16.31490	Sema5(+744)	N/A
Chr16	35577625	35577876	Chr16.31521	Sema5(+36180),Slc49a4(+191605)	N/A
Chr16	35591841	35592443	Chr16.31558	Sema5(+50571),Slc49a4(+177214)	N/A
Chr16	35599880	35600083	Chr16.31565	Sema5(+58411),Slc49a4(+169374)	N/A
Chr16	35604157	35604368	Chr16.31575	Sema5(+62692),Slc49a4(+165093)	N/A
Chr16	35614044	35614217	Chr16.31587	Sema5(+72560),Slc49a4(+155225)	N/A
Chr16	35614630	35614797	Chr16.31590	Sema5(+73143),Slc49a4(+154642)	N/A
Chr16	35625208	35625532	Chr16.31609	Sema5(+83844),Slc49a4(+143941)	N/A
Chr16	35630701	35630865	Chr16.31619	Sema5(+89212),Slc49a4(+138578)	N/A
Chr16	35633349	35633529	Chr16.31623	Sema5(+91868),Slc49a4(+135917)	N/A
Chr16	35768465	35768586	Chr16.31855	Hspbab1(-1860),Slc49a4(+830)	N/A
Chr16	35987683	35987878	Chr16.32266	Wdr5b(-53409),Kpna1(+4466)	N/A
Chr16	36784319	36784420	Chr16.32719	Slc15a2(+592)	N/A
Chr16	36874866	36875232	Chr16.32788	Gdgb1(-32)	N/A
Chr16	36934897	36935020	Chr16.33018	Hcst1(-20)	N/A

Chr16	36990212	36990328	Chr16.33120	Fbxo40(+197)	N/A
Chr16	36990555	36990558	Chr16.33123	Fbxo40(-140)	N/A
Chr16	37433431	37433744	Chr16.33442	Stxbp1(-48665), Gtf2e1(+106201)	N/A
Chr16	37472862	37473020	Chr16.33494	Stxbp5(-89018), Gtf2e(+16849)	N/A
Chr16	37495245	37495431	Chr16.33523	Stxbp5(-110415), Gtf2e1(+44451)	N/A
Chr16	37539624	37539787	Chr16.33581	Rab3(-179), Gtf2e1(+83)	N/A
Chr16	37571276	37571395	Chr16.33617	Hgd(-8817), Rab3(+31451)	N/A
Chr16	37571562	37571796	Chr16.33618	Hgd(-8474), Rab3(+31794)	N/A
Chr16	37584888	37584999	Chr16.33650	Hgd(+4791), Ndufb4(+39559)	N/A
Chr16	37610201	37610345	Chr16.33663	Hgd(+30120), Ndufb4(+44180)	N/A
Chr16	37617813	37618019	Chr16.33702	Ndufb4(+36537), Hgd(+37763)	N/A
Chr16	37686617	37686745	Chr16.33787	Fstl1(-90192), Ndufb4(-32228)	N/A
Chr16	37729265	37729423	Chr16.33827	Ndufb4(-74891), Fstl1(-47529)	N/A
Chr16	37729513	37729640	Chr16.33831	Ndufb4(-75124), Fstl1(-47296)	N/A
Chr16	37732437	37732682	Chr16.33836	Ndufb4(-78107), Fstl1(-44313)	N/A
Chr16	37752913	37753026	Chr16.33842	Ndufb4(-98517), Fstl1(-23903)	N/A
Chr16	37778031	37778360	Chr16.33855	Lrrc58(-90193), Fstl1(+1323)	N/A
Chr16	37785126	37785371	Chr16.33862	Lrrc58(-83140), Fstl1(+8376)	N/A
Chr16	37788420	37788537	Chr16.33867	Lrrc58(-79910), Fstl1(+11606)	N/A
Chr16	37801988	37802105	Chr16.33882	Lrrc58(-66342), Fstl1(+25174)	N/A
Chr16	37803108	37803239	Chr16.33886	Lrrc58(-65215), Fstl1(+26301)	N/A
Chr16	37804823	37804982	Chr16.33889	Lrrc58(-63486), Fstl1(+28030)	N/A
Chr16	37806168	37806382	Chr16.33892	Lrrc58(-62114), Fstl1(+29402)	N/A
Chr16	37809632	37809766	Chr16.33894	Lrrc58(-58690), Fstl1(+32826)	N/A
Chr16	37814307	37814495	Chr16.33902	Lrrc58(-53988), Fstl1(+37528)	N/A
Chr16	37864137	37864310	Chr16.34054	Gsk3b(-124777), Gpr156(+47728)	N/A
Chr16	37974525	37974625	Chr16.34063	Gsk3b(-114426), Gpr156(+58079)	N/A
Chr16	38088930	38089038	Chr16.34141	Gsk3b(-17)	N/A
Chr16	38089232	38089453	Chr16.34148	Gsk3b(+342)	N/A
Chr16	38090082	38090194	Chr16.34162	Gsk3b(+1137), Nrr12(+204688)	N/A
Chr16	38091273	38091456	Chr16.34174	Gsk3b(-2365), Nrr12(+203458)	N/A
Chr16	38092024	38092275	Chr16.34183	Gsk3b(-3149), Nrr12(+202674)	N/A
Chr16	38241526	38241670	Chr16.34249	Nrr12(+53226), Gsk3b(+152597)	N/A
Chr16	38242473	38242572	Chr16.34254	Nrr12(+52301), Gsk3b(+153522)	N/A
Chr16	38244542	38244695	Chr16.34274	Nrr12(+50205), Gsk3b(+155618)	N/A
Chr16	38244725	38244907	Chr16.34278	Nrr12(+50008), Gsk3b(+155815)	N/A
Chr16	38245377	38245501	Chr16.34282	Nrr12(+49385), Gsk3b(+156438)	N/A
Chr16	38245577	38245727	Chr16.34283	Nrr12(+49172), Gsk3b(+156651)	N/A
Chr16	38245765	38245944	Chr16.34285	Nrr12(+48969), Gsk3b(+156584)	N/A
Chr16	38360349	38360457	Chr16.34414	Popdc2(-1806)	N/A
Chr16	38362033	38362178	Chr16.34418	Popdc2(-103)	N/A
Chr16	39152010	39152130	Chr16.34460	Eef2kml(-656087)	N/A
Chr16	39587547	39587695	Chr16.34676	Tmem39a(-24509), Arhgap31(+125653)	N/A
Chr16	39652022	39652242	Chr16.34813	Arhgap31(+61142), Tmem39a(+89320)	N/A
Chr16	39659756	39660037	Chr16.34825	Arhgap31(+53377), Tmem39a(+97085)	N/A
Chr16	39668881	39669134	Chr16.34829	Arhgap31(+44266), Tmem39a(+106196)	N/A
Chr16	39672470	39672616	Chr16.34835	Arhgap31(+40731), Tmem39a(+109731)	N/A
Chr16	39673648	39673875	Chr16.34841	Arhgap31(+139512), Tmem39a(+10950)	N/A
Chr16	39683218	39683404	Chr16.34853	Arhgap31(+29963), Tmem39a(+120499)	N/A
Chr16	39701758	39702064	Chr16.34868	Arhgap31(+11363), Tmem39a(+139099)	N/A
Chr16	39702100	39702203	Chr16.34872	Arhgap31(+11122), Tmem39a(+139340)	N/A
Chr16	39711346	39711613	Chr16.34881	Arhgap31(+1794), Tmem39a(+148668)	N/A
Chr16	39711664	39711834	Chr16.34887	Arhgap31(+1525), Tmem39a(+148937)	N/A
Chr16	39713853	39714013	Chr16.34911	Arhgap31(-659)	N/A
Chr16	39725105	39725314	Chr16.34918	B4gal4(-17054), Arhgap31(-11936)	N/A
Chr16	39730621	39730814	Chr16.34919	Arhgap31(-17444), B4gal4(-11546)	N/A
Chr16	39825052	39825156	Chr16.35047	Igfbp1(+22788)	N/A
Chr16	39845838	39846080	Chr16.35069	Igfbp1(+43643)	N/A
Chr16	39858955	39859089	Chr16.35085	Igfbp1(+56706)	N/A
Chr16	399044753	399044965	Chr16.35157	Igfbp1(+142543)	N/A
Chr16	39122418	39122556	Chr16.35228	Igfbp1(+220171)	N/A
Chr16	39124747	39124976	Chr16.35231	Igfbp1(+222546)	N/A
Chr16	39374754	39374955	Chr16.35511	Igfbp1(+472539)	N/A
Chr16	39842899	39844401	Chr16.35840	None	N/A
Chr16	39985129	39985302	Chr16.35842	None	N/A
Chr16	40294472	40294696	Chr16.36356	None	N/A
Chr16	40567545	40567802	Chr16.36821	Lsmp(-965184)	N/A
Chr16	40601636	40601754	Chr16.36897	Lsmp(-931163)	N/A
Chr16	40739809	40740039	Chr16.37120	Lsmp(-792934)	N/A
Chr16	40891270	40891436	Chr16.37321	Lsmp(-641503)	N/A
Chr16	40891534	40891635	Chr16.37324	Lsmp(-641273)	N/A
Chr16	41179625	41179756	Chr16.37716	Lsmp(-353167)	N/A
Chr16	41408840	41408953	Chr16.37969	Lsmp(-123961)	N/A
Chr16	41520551	41520717	Chr16.38114	Lsmp(-12224)	N/A
Chr16	41532670	41532828	Chr16.38140	Lsmp(-109)	N/A
Chr16	41534579	41534813	Chr16.38158	Lsmp(-1638), Gap43(+805955)	N/A
Chr16	41551949	41552100	Chr16.38183	Lsmp(-19167), Gap43(+89626)	N/A
Chr16	41552129	41552405	Chr16.38185	Lsmp(+19409), Gap43(+788384)	N/A
Chr16	41787216	41787457	Chr16.38563	Lsmp(+254479), Gap43(+553314)	N/A
Chr16	41827658	41827998	Chr16.38611	Lsmp(+294970), Gap43(+512823)	N/A
Chr16	41917069	41917268	Chr16.38710	Lsmp(-384311), Gap43(+423462)	N/A
Chr16	41929722	41929851	Chr16.38737	Lsmp(-396929), Gap43(+410664)	N/A
Chr16	41975463	41975578	Chr16.38829	Gap43(-365130), Lsmp(+442663)	N/A
Chr16	42041550	42041756	Chr16.38905	Gap43(+298998), Lsmp(+508795)	N/A
Chr16	6285774	6285881	Chr16.39111	Rbf1(-784007)	N/A
Chr16	62152511	62152641	Chr16.39136	Gap43(-188075), Lsmp(+619718)	N/A
Chr16	62152847	62153119	Chr16.39143	Gap43(-187618), Lsmp(+620175)	N/A
Chr16	62154480	62154683	Chr16.39149	Gap43(-186069), Lsmp(+621724)	N/A
Chr16	62175196	62175319	Chr16.39199	Gap43(+165393), Lsmp(+642400)	N/A
Chr16	62189717	62189875	Chr16.39242	Gap43(+150855), Lsmp(+656938)	N/A
Chr16	62227858	62228017	Chr16.39261	Gap43(+112713), Lsmp(+695080)	N/A
Chr16	62256578	62256876	Chr16.39275	Gap43(-848174), Lsmp(+722919)	N/A
Chr16	62269703	62269821	Chr16.39301	Gap43(-70889), Lsmp(+736904)	N/A
Chr16	62275746	62275917	Chr16.39312	Gap43(-64819), Lsmp(+742974)	N/A
Chr16	62276075	62276234	Chr16.39315	Gap43(+64496), Lsmp(+743297)	N/A
Chr16	62284195	62284371	Chr16.39331	Gap43(+56368), Lsmp(+751425)	N/A
Chr16	62303718	62303835	Chr16.39368	Gap43(-36874), Lsmp(+770919)	N/A
Chr16	62309668	62310316	Chr16.39376	Gap43(-30509), Lsmp(+772594)	N/A
Chr16	62326322	62326447	Chr16.39389	Gap43(-14269), Lsmp(+793527)	N/A
Chr16	62337184	62337285	Chr16.39399	Gap43(+3416), Lsmp(+804377)	N/A
Chr16	62337820	62337945	Chr16.39407	Gap43(+2768), Lsmp(+805025)	N/A
Chr16	62339060	62339193	Chr16.39414	Gap43(+1524), Lsmp(+806269)	N/A
Chr16	62339673	62339818	Chr16.39419	Gap43(+905)	N/A
Chr16	62339909	62340020	Chr16.39422	Gap43(+686)	N/A
Chr16	62340245	62340358	Chr16.39426	Gap43(+349)	N/A
Chr16	62340419	62340541	Chr16.39427	Gap43(+171)	N/A
Chr16	62440895	62441087	Chr16.39530	Zbtb20(-466661), Gap43(-100340)	N/A
Chr16	62444474	62444593	Chr16.39536	Zbtb20(-46311), Gap43(-103883)	N/A
Chr16	62546871	62547091	Chr16.39615	Zbtb20(-360621), Gap43(-206380)	N/A
Chr16	62570734	62570919	Chr16.39633	Zbtb20(-33858), Gap43(-230176)	N/A
Chr16	62575525	62575721	Chr16.39639	Zbtb20(-332029), Gap43(-234972)	N/A
Chr16	62575765	62575930	Chr16.39643	Zbtb20(-331804), Gap43(-235197)	N/A
Chr16	62717783	62718120	Chr16.39758	Gap43(-377301), Zbtb20(-189700)	N/A
Chr16	62718599	62718745	Chr16.39762	Gap43(-378021), Zbtb20(-189980)	N/A
Chr16	62746344	62746697	Chr16.39801	Gap43(-405870), Zbtb20(-161131)	N/A
Chr16	62803880	62804221	Chr16.39867	Gap43(-463400), Zbtb20(-103601)	N/A
Chr16	62874644	62874844	Chr16.39884	Gap43(-534093), Zbtb20(-32908)	N/A
Chr16	62875095	62875358	Chr16.39887	Gap43(-534576), Zbtb20(-32425)	N/A
Chr16	62875473	62875676	Chr16.39896	Gap43(-534924), Zbtb20(-32077)	N/A
Chr16	62875706	62875865	Chr16.39903	Gap43(-535139), Zbtb20(-31866)	N/A
Chr16	62876893	62876823	Chr16.39909	Gap43(-536107), Zbtb20(-30894)	N/A
Chr16	62906862	62907439	Chr16.39948	Zbtb20(-501)	N/A
Chr16	62907560	62907706	Chr16.39951	Zbtb20(-19)	N/A
Chr16	62908000	62908351	Chr16.39954	Zbtb20(-524)	N/A
Chr16	62908972	62909229	Chr16.39965	Zbtb20(-717776), Zbtb20(+1449)	N/A
Chr16	62910034	62910415	Chr16.39973	Zbtb20(-710652), Zbtb20(+2373)	N/A
Chr16	6349022	63491522	Chr16.3999	Rbf1(-720748)	N/A
Chr16	63072976	63073103	Chr16.40167	Zbtb20(-547837), Zbtb20(+165388)	N/A
Chr16	63080981	63081245	Chr16.40178	Zbtb20(-539764), Zbtb20(+173461)	N/A
Chr16	63081307	63081423	Chr16.40179	Zbtb20(-539512), Zbtb20(+173713)	N/A
Chr16	63096914	63096160	Chr16.40201	Zbtb20(-524840), Zbtb20(+188368)	N/A
Chr16	63098170	63098466	Chr16.40212	Zbtb20(-522559), Zbtb20(+190666)	N/A
Chr16	63129968	63130284	Chr16.40278	Zbtb20(-460741), Zbtb20(+222484)	N/A
Chr16	63130533	63131073	Chr16.40283	Zbtb20(-490074), Zbtb20(+223151)	N/A
Chr16	63172295	63172394	Chr16.40336	Zbtb20(-448532), Zbtb20(+264693)	N/A
Chr16	63221304	63221727	Chr16.40411	Zbtb20(-398361), Zbtb20(+313864)	N/A
Chr16	63221801	63222152	Chr16.40418	Zbtb20(-398859), Zbtb20(+31371)	N/A
Chr16	63235373	63236096	Chr16.40444	Zbtb20(-385142), Zbtb20(+328063)	N/A

Chr16	43256279	43256413	Chr16.40508	Zbtb20(-364531),Zbtb20(+348694)	N/A
Chr16	43259394	43259714	Chr16.40513	Zbtb20(-361323),Zbtb20(+351902)	N/A
Chr16	43278733	43278910	Chr16.40546	Zbtb20(-342055),Zbtb20(+371170)	N/A
Chr16	43278942	43279041	Chr16.40547	Zbtb20(-341865),Zbtb20(+371349)	N/A
Chr16	43287129	43287281	Chr16.40561	Zbtb20(-333673),Zbtb20(+379553)	N/A
Chr16	43291097	43291293	Chr16.40567	Zbtb20(-329682),Zbtb20(+383543)	N/A
Chr16	43298071	43298529	Chr16.40583	Zbtb20(-322577),Zbtb20(+390648)	N/A
Chr16	43303478	43303605	Chr16.40591	Zbtb20(-317333),Zbtb20(+395980)	N/A
Chr16	43303852	43303978	Chr16.40594	Zbtb20(-316942),Zbtb20(+396263)	N/A
Chr16	43308038	43308288	Chr16.40610	Zbtb20(-312714),Zbtb20(+400511)	N/A
Chr16	43309915	43310273	Chr16.40614	Zbtb20(-310783),Zbtb20(+402442)	N/A
Chr16	43327199	43332920	Chr16.40671	Zbtb20(-288017),Zbtb20(+425208)	N/A
Chr16	43333355	43333646	Chr16.40674	Zbtb20(-287376),Zbtb20(+425849)	N/A
Chr16	43334403	433344756	Chr16.40680	Zbtb20(-286297),Zbtb20(+426928)	N/A
Chr16	43334945	43335279	Chr16.40682	Zbtb20(-285765),Zbtb20(+427469)	N/A
Chr16	43335336	43335651	Chr16.40694	Zbtb20(-285383),Zbtb20(+427842)	N/A
Chr16	43355850	43355957	Chr16.40723	Zbtb20(-264973),Zbtb20(+448252)	N/A
Chr16	43359415	43359901	Chr16.40730	Zbtb20(-261219),Zbtb20(+452006)	N/A
Chr16	43361105	43361466	Chr16.40738	Zbtb20(-259591),Zbtb20(+453634)	N/A
Chr16	43363128	43363329	Chr16.40744	Zbtb20(-257648),Zbtb20(+455577)	N/A
Chr16	43363386	43363668	Chr16.40746	Zbtb20(-257350),Zbtb20(+458978)	N/A
Chr16	43363801	43364059	Chr16.40748	Zbtb20(-256947),Zbtb20(+458278)	N/A
Chr16	43364489	43364638	Chr16.40753	Zbtb20(-256313),Zbtb20(+456912)	N/A
Chr16	43367848	43367966	Chr16.40769	Zbtb20(-252970),Zbtb20(+460255)	N/A
Chr16	43367879	43367013	Chr16.40840	Zbtb20(-223976),Zbtb20(+489249)	N/A
Chr16	43407115	43407434	Chr16.40855	Zbtb20(-213602),Zbtb20(+499623)	N/A
Chr16	43407729	43408102	Chr16.40861	Zbtb20(-212961),Zbtb20(+500264)	N/A
Chr16	43409449	43409612	Chr16.40871	Zbtb20(-211346),Zbtb20(+501879)	N/A
Chr16	43464021	43464196	Chr16.41037	Zbtb20(-156768),Zbtb20(+556457)	N/A
Chr16	43475446	43475564	Chr16.41054	Zbtb20(-145372),Zbtb20(+567853)	N/A
Chr16	43502460	43503131	Chr16.41131	Zbtb20(-118081),Zbtb20(+595144)	N/A
Chr16	43503812	43504048	Chr16.41137	Zbtb20(-116947),Zbtb20(+596278)	N/A
Chr16	43504281	43504426	Chr16.41138	Zbtb20(-116523),Zbtb20(+596702)	N/A
Chr16	43504485	43504717	Chr16.41139	Zbtb20(-116276),Zbtb20(+596949)	N/A
Chr16	43504752	43505011	Chr16.41142	Zbtb20(-115995),Zbtb20(+597230)	N/A
Chr16	43505053	43505247	Chr16.41147	Zbtb20(-115727),Zbtb20(+597498)	N/A
Chr16	43505728	43505927	Chr16.41158	Zbtb20(-115040),Zbtb20(+598176)	N/A
Chr16	43506373	43506671	Chr16.41161	Zbtb20(-114355),Zbtb20(+598870)	N/A
Chr16	43506752	43506895	Chr16.41163	Zbtb20(-114053),Zbtb20(+599172)	N/A
Chr16	43506948	43507095	Chr16.41164	Zbtb20(-113855),Zbtb20(+599370)	N/A
Chr16	43507137	43507347	Chr16.41168	Zbtb20(-113635),Zbtb20(+599590)	N/A
Chr16	43507833	43508684	Chr16.41174	Zbtb20(-112678),Zbtb20(+600547)	N/A
Chr16	43508806	43509683	Chr16.41178	Zbtb20(-111982),Zbtb20(+601243)	N/A
Chr16	43510197	43510357	Chr16.41193	Zbtb20(-110600),Zbtb20(+602625)	N/A
Chr16	43539754	43540539	Chr16.41294	Zbtb20(-80730),Zbtb20(+632495)	N/A
Chr16	43545768	43545964	Chr16.41318	Zbtb20(-75011),Zbtb20(+638214)	N/A
Chr16	43547216	43547348	Chr16.41330	Zbtb20(-73959),Zbtb20(+639630)	N/A
Chr16	43548059	43548287	Chr16.41333	Zbtb20(-72704),Zbtb20(+640521)	N/A
Chr16	43549063	43549240	Chr16.41339	Zbtb20(-71725),Zbtb20(+641500)	N/A
Chr16	43549459	43549580	Chr16.41344	Zbtb20(-71357),Zbtb20(+641868)	N/A
Chr16	43549821	43549961	Chr16.41347	Zbtb20(-70986),Zbtb20(+642239)	N/A
Chr16	43551704	43552037	Chr16.41351	Zbtb20(-69006),Zbtb20(+644219)	N/A
Chr16	43557456	43557755	Chr16.41374	Zbtb20(-63271),Zbtb20(+649954)	N/A
Chr16	43559678	43560788	Chr16.41397	Zbtb20(-51144),Zbtb20(+662646)	N/A
Chr16	43573026	43573585	Chr16.41402	Zbtb20(-47571),Zbtb20(+665654)	N/A
Chr16	43573671	43573782	Chr16.41405	Zbtb20(-47150),Zbtb20(+666075)	N/A
Chr16	43576160	43576426	Chr16.41410	Zbtb20(-44584),Zbtb20(+668641)	N/A
Chr16	6448531	6448921	Chr16.4142	Rbfax1(-621109)	N/A
Chr16	43578114	43578606	Chr16.41420	Zbtb20(-42517),Zbtb20(+670708)	N/A
Chr16	43579210	43579326	Chr16.41426	Zbtb20(-41609),Zbtb20(+671616)	N/A
Chr16	43581186	43581313	Chr16.41437	Zbtb20(-39627),Zbtb20(+673598)	N/A
Chr16	43582008	43582445	Chr16.41441	Zbtb20(-38650),Zbtb20(+674575)	N/A
Chr16	43582896	43583517	Chr16.41445	Zbtb20(-37670),Zbtb20(+675555)	N/A
Chr16	43590816	43590917	Chr16.41456	Zbtb20(-30070),Zbtb20(+683215)	N/A
Chr16	43590946	43591396	Chr16.41458	Zbtb20(-29766),Zbtb20(+683519)	N/A
Chr16	43603879	43604056	Chr16.41482	Zbtb20(-16090),Zbtb20(+696316)	N/A
Chr16	43604486	43604666	Chr16.41487	Zbtb20(-16301),Zbtb20(+696924)	N/A
Chr16	43604713	43604861	Chr16.41488	Zbtb20(-16090),Zbtb20(+697135)	N/A
Chr16	43615904	43616003	Chr16.41530	Zbtb20(-4923)	N/A
Chr16	43616266	43616383	Chr16.41532	Zbtb20(-4552)	N/A
Chr16	43617492	43617602	Chr16.41539	Zbtb20(-3335)	N/A
Chr16	43619265	43619746	Chr16.41552	Zbtb20(-1371)	N/A
Chr16	43620190	43620501	Chr16.41558	Zbtb20(-531)	N/A
Chr16	43623621	43623782	Chr16.41574	Zbtb20(+2825),Tgfr(+40482)	N/A
Chr16	43626042	43626236	Chr16.41595	Zbtb20(-5263),Tgfr(+38044)	N/A
Chr16	43754021	43754287	Chr16.41778	Tgfr(-89970),Drd3(-8067)	N/A
Chr16	43800162	43800635	Chr16.41829	Drd3(+38178),Qtr12(+89286)	N/A
Chr16	43869956	43870102	Chr16.41926	Qtr12(+19656),Drd3(+107808)	N/A
Chr16	44016362	44016514	Chr16.42201	Grand1c(-2)	N/A
Chr16	44138469	44138587	Chr16.42288	Naa50(-1358),Atp6v1a(+777)	N/A
Chr16	44139993	44140124	Chr16.42302	Atp6v1a(-754),Naa50(-173)	N/A
Chr16	44172877	44173032	Chr16.42344	Usf3(-291)	N/A
Chr16	44226335	44226475	Chr16.42481	Usf3(+53158),Sidt1(+106791)	N/A
Chr16	44239026	44239131	Chr16.42493	Usf3(+65833),Sidt1(+94117)	N/A
Chr16	44485029	44485168	Chr16.42854	Boc(+73771),Cfap44(+90300)	N/A
Chr16	44494044	44494223	Chr16.42915	Boc(+64738),Cfap44(+99335)	N/A
Chr16	44494960	44494873	Chr16.42917	Boc(+64053),Cfap44(+100188)	N/A
Chr16	44506848	44506954	Chr16.42976	Boc(+51969),Cfap44(+112102)	N/A
Chr16	44507171	44507325	Chr16.42979	Boc(+51622),Cfap44(+112449)	N/A
Chr16	44507678	44507869	Chr16.42990	Boc(+51096),Cfap44(+112975)	N/A
Chr16	44510115	44510278	Chr16.42995	Boc(+48673),Cfap44(+115398)	N/A
Chr16	44510862	44511028	Chr16.43001	Boc(+47924),Cfap44(+116147)	N/A
Chr16	44516806	44516777	Chr16.43006	Boc(+42178),Cfap44(+121893)	N/A
Chr16	44516961	44517062	Chr16.43010	Boc(+41858),Cfap44(+122213)	N/A
Chr16	44524646	44524786	Chr16.43030	Boc(+34154),Cfap44(+129917)	N/A
Chr16	44526561	44526679	Chr16.43038	Boc(+32250),Cfap44(+131821)	N/A
Chr16	44542227	44542337	Chr16.43051	Boc(+16588),Cfap44(+147483)	N/A
Chr16	44550901	44551053	Chr16.43056	Boc(+7893),Cfap44(+156178)	N/A
Chr16	44552637	44552816	Chr16.43063	Boc(+6143),Cfap44(+157928)	N/A
Chr16	44553545	44553814	Chr16.43067	Boc(+5190),Cfap44(+158881)	N/A
Chr16	44556560	44556750	Chr16.43080	Boc(+2215),Cfap44(+161856)	N/A
Chr16	44558775	44558896	Chr16.43088	Boc(+34)	N/A
Chr16	44564845	44564806	Chr16.43095	Neprol(-159575),Boc(-8856)	N/A
Chr16	44565527	44565777	Chr16.43098	Neprol(-158649),Boc(-6782)	N/A
Chr16	44579360	44579818	Chr16.43101	Neprol(-144712),Boc(-20719)	N/A
Chr16	44581300	44581465	Chr16.43105	Neprol(-142918),Boc(-22513)	N/A
Chr16	44603803	44603945	Chr16.43121	Neprol(-120427),Boc(-45004)	N/A
Chr16	44604149	44604299	Chr16.43123	Neprol(-120077),Boc(-45354)	N/A
Chr16	44611632	44611789	Chr16.43127	Neprol(-112565),Boc(-52946)	N/A
Chr16	44614479	44614581	Chr16.43137	Neprol(-109771),Boc(-55660)	N/A
Chr16	44615849	44616119	Chr16.43138	Neprol(-108317),Boc(-57114)	N/A
Chr16	44616527	44616746	Chr16.43141	Neprol(-107664),Boc(-57767)	N/A
Chr16	44624011	44624158	Chr16.43151	Neprol(-100216),Boc(-65215)	N/A
Chr16	44626124	44626253	Chr16.43155	Neprol(-88112),Boc(-67319)	N/A
Chr16	44629634	44630034	Chr16.43161	Neprol(-94317),Boc(-71114)	N/A
Chr16	44630065	44630083	Chr16.43164	Neprol(-94127),Boc(-71304)	N/A
Chr16	44632902	44633190	Chr16.43169	Neprol(-91255),Boc(-74176)	N/A
Chr16	44636092	44636260	Chr16.43172	Neprol(-88125),Boc(-77306)	N/A
Chr16	44648689	44648934	Chr16.43181	Boc(-89942),Neprol(-75489)	N/A
Chr16	44661164	44661364	Chr16.43187	Boc(-102384),Neprol(-63047)	N/A
Chr16	44662992	44663254	Chr16.43190	Boc(-104253),Neprol(-61178)	N/A
Chr16	44663826	44663943	Chr16.43198	Boc(-105015),Neprol(-60416)	N/A
Chr16	44687244	44687415	Chr16.43225	Boc(-128480),Neprol(-36971)	N/A
Chr16	44687466	44687570	Chr16.43227	Boc(-128648),Neprol(-36783)	N/A
Chr16	44687731	44687881	Chr16.43232	Boc(-128936),Neprol(-36495)	N/A
Chr16	44691571	44691910	Chr16.43240	Boc(-132871),Neprol(-32560)	N/A
Chr16	44697602	44697809	Chr16.43246	Boc(-138356),Neprol(-26595)	N/A
Chr16	44697861	44697960	Chr16.43248	Boc(-139041),Neprol(-26390)	N/A
Chr16	44716409	44716676	Chr16.43252	Boc(-157673),Neprol(-7758)	N/A
Chr16	45070746	45070921	Chr16.43267	Ccdc80(-22778),Cd2003(+127156)	N/A
Chr16	45083206	45083381	Chr16.43483	Ccdc80(-318)	N/A
Chr16	45093706	45093840	Chr16.43487	Ccdc80(+161)	N/A
Chr16	45093956	45094097	Chr16.43488	Ccdc80(+415)	N/A
Chr16	45107203	45107447	Chr16.43554	Ccdc80(+13713),Slc35a5(+51381)	N/A
Chr16	45120702	45120818	Chr16.43570	Ccdc80(+27148),Slc35a5(+37946)	N/A
Chr16	45121325	45121489	Chr16.43578	Ccdc80(+27800),Slc35a5(+37294)	N/A
Chr16	45724763	45724866	Chr16.43985	Tagp3(-207)	N/A
Chr16	45794801	45794904	Chr16.44118	Abhd10(-51889),Phldb2(+49381)	N/A

Chr16	45804853	45804965	Chr16.44149	Abhd10(-61954),Phlbd2(+39325)	N/A
Chr16	45810850	45811032	Chr16.44163	Abhd10(-67986),Phlbd2(+33293)	N/A
Chr16	45820756	45822696	Chr16.44203	Abhd10(-88971),Phlbd2(+14408)	N/A
Chr16	45830677	45832068	Chr16.44207	Abhd10(-87768),Phlbd2(+13491)	N/A
Chr16	45837927	45838089	Chr16.44210	Abhd10(-95053),Phlbd2(+6226)	N/A
Chr16	45838171	45838283	Chr16.44212	Abhd10(-95272),Phlbd2(+6007)	N/A
Chr16	45841169	45841313	Chr16.44218	Abhd10(-98286),Phlbd2(+2993)	N/A
Chr16	45842570	45842689	Chr16.44223	Abhd10(-99679),Phlbd2(+1604)	N/A
Chr16	45842693	45843073	Chr16.44225	Abhd10(-100028),Phlbd2(+1251)	N/A
Chr16	45843512	45843621	Chr16.44232	Phlbd2(+667)	N/A
Chr16	45893952	45894055	Chr16.44263	Phlbd2(-49770),Plicxd2(+116214)	N/A
Chr16	45895110	45895213	Chr16.44265	Phlbd2(-50928),Plicxd2(+115056)	N/A
Chr16	45924106	45924213	Chr16.44289	Phlbd2(-79926),Plicxd2(+86058)	N/A
Chr16	45929229	45929431	Chr16.44297	Phlbd2(-85096),Plicxd2(+80888)	N/A
Chr16	45936672	45936782	Chr16.44313	Phlbd2(-92460),Plicxd2(+73524)	N/A
Chr16	45962579	45962755	Chr16.44372	Phlbd2(-118433),Plicxd2(+47551)	N/A
Chr16	45984829	45984937	Chr16.44423	Phlbd2(-140649),Plicxd2(+25335)	N/A
Chr16	46120219	46120328	Chr16.44569	Cd96(-23)	N/A
Chr16	46120382	46120623	Chr16.44570	Cd96(-252)	N/A
Chr16	46215922	46219782	Chr16.44713	Gm4737(-136587),Nectin3(+205303)	N/A
Chr16	46293755	46293871	Chr16.44719	Gm4737(-138736),Nectin3(+203154)	N/A
Chr16	46388461	46388605	Chr16.44772	Gm4737(-233456),Nectin3(+108434)	N/A
Chr16	46494640	46494759	Chr16.44846	Gm4737(-339623),Nectin3(+2267)	N/A
Chr16	6677587	6677723	Chr16.4485	Rbfax1(-392180)	N/A
Chr16	46498564	46498746	Chr16.44850	Nectin3(-1688)	N/A
Chr16	46573589	46573777	Chr16.44913	Nectin3(-76716)	N/A
Chr16	46678831	46679102	Chr16.45065	Nectin3(-182000)	N/A
Chr16	48372528	48372655	Chr16.45738	Marc1(-58645),Dppa2(+62115)	N/A
Chr16	49408276	49408430	Chr16.46524	It57(-290880),Gm5407(-110959)	N/A
Chr16	49409817	49410001	Chr16.46528	It57(-289324),Gm5407(-112515)	N/A
Chr16	49521793	49521957	Chr16.46613	Gm5407(-224481),It57(-177358)	N/A
Chr16	49804225	49804333	Chr16.46869	Cd47(-51339),It57(+105049)	N/A
Chr16	49807008	49807170	Chr16.46876	Cd47(-48529),It57(+107856)	N/A
Chr16	49839740	49839958	Chr16.46897	Cd47(-15769),It57(+140616)	N/A
Chr16	49910852	49910985	Chr16.46973	Cd47(+55301),Bbx(+521471)	N/A
Chr16	49911532	49911949	Chr16.46977	Cd47(+56123),Bbx(+520649)	N/A
Chr16	49912057	49912349	Chr16.46982	Cd47(+56585),Bbx(+520187)	N/A
Chr16	49980287	49980395	Chr16.47094	Cd47(+124723),Bbx(+452049)	N/A
Chr16	50032091	50032273	Chr16.47176	Cd47(+176564),Bbx(+400208)	N/A
Chr16	50045995	50046154	Chr16.47188	Cd47(+190457),Bbx(+386315)	N/A
Chr16	50046294	50046465	Chr16.47190	Cd47(+190762),Bbx(+386010)	N/A
Chr16	50092861	50093009	Chr16.47222	Cd47(+237317),Bbx(+339455)	N/A
Chr16	50185266	50185508	Chr16.47327	Bbx(+247003),Cd47(+329769)	N/A
Chr16	6840412	6840668	Chr16.4733	Rbfax1(-1229295)	N/A
Chr16	50206405	50206529	Chr16.47392	Bbx(+225923),Cd47(+350849)	N/A
Chr16	50309430	50309628	Chr16.47569	Bbx(+122861),Cd47(+453911)	N/A
Chr16	50363523	50363838	Chr16.47660	Bbx(+68709),Cd47(+508063)	N/A
Chr16	50364287	50364580	Chr16.47668	Bbx(+67981),Cd47(+508791)	N/A
Chr16	50364701	50364849	Chr16.47670	Bbx(+67619),Cd47(+509157)	N/A
Chr16	50381419	50381629	Chr16.47689	Bbx(+50866),Cd47(+525906)	N/A
Chr16	50428885	50429028	Chr16.47755	Bbx(+3433),Cd47(+573339)	N/A
Chr16	50429631	50429895	Chr16.47760	Bbx(+2627),Cd47(+574145)	N/A
Chr16	50430106	50430442	Chr16.47763	Bbx(+2086),Cd47(+574689)	N/A
Chr16	50430506	50430619	Chr16.47768	Bbx(+1827),Cd47(+574945)	N/A
Chr16	50430896	50431124	Chr16.47769	Bbx(+1380),Cd47(+575392)	N/A
Chr16	50431424	50431602	Chr16.47771	Bbx(+877)	N/A
Chr16	50432023	50432198	Chr16.47775	Bbx(+279)	N/A
Chr16	50432234	50432448	Chr16.47778	Bbx(+49)	N/A
Chr16	50432636	50432903	Chr16.47783	Bbx(-380)	N/A
Chr16	50752335	50752447	Chr16.47993	Dubr(-19648)	N/A
Chr16	50753798	50754191	Chr16.47997	Dubr(-21252)	N/A
Chr16	50766433	50766536	Chr16.48004	Dubr(-33742)	N/A
Chr16	50784227	50784339	Chr16.48031	Dubr(-51540)	N/A
Chr16	50841223	50841344	Chr16.48113	Dubr(-10854)	N/A
Chr16	51117833	51118103	Chr16.48291	Cblb(-913591),Dubr(-385225)	N/A
Chr16	51160870	51161069	Chr16.48315	Cblb(-870579),Dubr(-428227)	N/A
Chr16	6919258	6919409	Chr16.4839	Rbfax1(-150501)	N/A
Chr16	51521403	51521584	Chr16.48515	Dubr(-788751),Cblb(-510055)	N/A
Chr16	51521789	51521896	Chr16.48521	Dubr(-789100),Cblb(-509706)	N/A
Chr16	51758968	51759329	Chr16.48682	Cblb(-272402)	N/A
Chr16	51759375	51759655	Chr16.48687	Cblb(-272079)	N/A
Chr16	51915672	51916074	Chr16.48777	Cblb(-115676)	N/A
Chr16	51916997	51917118	Chr16.48785	Cblb(-114491)	N/A
Chr16	52031078	52031282	Chr16.48843	Cblb(-369)	N/A
Chr16	52054476	52054798	Chr16.48901	Cblb(+23088),Alcam(+399437)	N/A
Chr16	52060490	52060637	Chr16.48904	Cblb(+29015),Alcam(+393519)	N/A
Chr16	52061001	52061223	Chr16.48907	Cblb(+29563),Alcam(+392962)	N/A
Chr16	52062030	52062151	Chr16.48912	Cblb(+30542),Alcam(+391983)	N/A
Chr16	52071896	52072175	Chr16.48926	Cblb(+40487),Alcam(+382038)	N/A
Chr16	52134688	52134788	Chr16.49003	Cblb(+103189),Alcam(+319336)	N/A
Chr16	52330367	52330509	Chr16.49233	Alcam(+150638),Cblb(+271889)	N/A
Chr16	52378218	52379470	Chr16.49340	Alcam(+74730),Cblb(+347795)	N/A
Chr16	52383530	52383727	Chr16.49348	Alcam(+70445),Cblb(+352080)	N/A
Chr16	52388035	52388206	Chr16.49356	Alcam(+65953),Cblb(+356572)	N/A
Chr16	52390755	52390910	Chr16.49367	Alcam(+63241),Cblb(+359284)	N/A
Chr16	52450019	52450142	Chr16.49455	Alcam(+3993),Cblb(+418532)	N/A
Chr16	52454036	52454141	Chr16.49474	Alcam(-15)	N/A
Chr16	52641443	52641717	Chr16.49617	Alcam(-187506)	N/A
Chr16	52726118	52726334	Chr16.49664	Alcam(-272152)	N/A
Chr16	52988869	52989233	Chr16.49841	Alcam(-534977)	N/A
Chr16	53095512	53095771	Chr16.49909	Alcam(-641568)	N/A
Chr16	53173058	53173168	Chr16.49939	Alcam(-719039)	N/A
Chr16	53279444	53279788	Chr16.50007	Alcam(-82542)	N/A
Chr16	7038971	7039096	Chr16.5008	Rbfax1(-30801)	N/A
Chr16	7039875	7040032	Chr16.5013	Rbfax1(-29881)	N/A
Chr16	7049123	7049319	Chr16.5037	Rbfax1(-20614)	N/A
Chr16	7051025	7051216	Chr16.5043	Rbfax1(-18714)	N/A
Chr16	54857581	54857682	Chr16.50515	Zpld1(+440354)	N/A
Chr16	54983878	54984017	Chr16.50633	Zpld1(-314038)	N/A
Chr16	7069669	7069978	Chr16.5074	Rbfax1(-11)	N/A
Chr16	7070058	7070175	Chr16.5079	Rbfax1(+282)	N/A
Chr16	55166289	55166404	Chr16.50814	Zpld1(+131639)	N/A
Chr16	56747274	55747471	Chr16.51313	Zpld1(-449387),Nkxibz(+91526)	N/A
Chr16	55838447	55838684	Chr16.51406	Nkxibz(-333)	N/A
Chr16	55838839	55838938	Chr16.51413	Nkxibz(+10)	N/A
Chr16	56029534	56029767	Chr16.51649	Pcnp(+88)	N/A
Chr16	56075366	56075583	Chr16.51683	Serp7(+66)	N/A
Chr16	7146578	7146755	Chr16.5232	Rbfax1(+76832)	N/A
Chr16	7147462	7147724	Chr16.5243	Rbfax1(+77759)	N/A
Chr16	56885790	56885925	Chr16.52455	Tmem30c(-323)	N/A
Chr16	7149206	7149828	Chr16.5248	Rbfax1(+79682)	N/A
Chr16	7149969	7150073	Chr16.5256	Rbfax1(+80186)	N/A
Chr16	57251434	57251755	Chr16.52612	Tbc1d23(-20129),Tmem30c(+41256)	N/A
Chr16	57252343	57252482	Chr16.52619	Tbc1d23(-20947),Tmem30c(+40438)	N/A
Chr16	57280324	57280545	Chr16.52629	Tbc1d23(-28989),Tmem30c(+32416)	N/A
Chr16	57317007	57317401	Chr16.52716	Filp1l(-35889),Tmem30c(-24533)	N/A
Chr16	7158541	7158758	Chr16.5272	Rbfax1(+88815)	N/A
Chr16	57318652	57318833	Chr16.52727	Filp1l(-34350),Tmem30c(-25892)	N/A
Chr16	57329078	57329299	Chr16.52741	Tmem30c(-36338),Filp1l(-23904)	N/A
Chr16	57340131	57340238	Chr16.52768	Filp1l(-47333),Filp1l(-12909)	N/A
Chr16	57352800	57352751	Chr16.52781	Filp1l(-417)	N/A
Chr16	57352859	57352993	Chr16.52784	Filp1l(-167)	N/A
Chr16	57353124	57353367	Chr16.52787	Filp1l(+153)	N/A
Chr16	57366318	57366526	Chr16.52813	Filp1l(+13329),Cmss1(+240403)	N/A
Chr16	57367257	57367482	Chr16.52817	Filp1l(+14277),Cmss1(+239455)	N/A
Chr16	57375631	57375771	Chr16.52828	Filp1l(+122608),Cmss1(+231124)	N/A
Chr16	57379323	57379466	Chr16.52828	Filp1l(+26302),Cmss1(+227430)	N/A
Chr16	57379495	57379733	Chr16.52831	Filp1l(+26521),Cmss1(+227211)	N/A
Chr16	57383574	57383696	Chr16.52839	Filp1l(+30542),Cmss1(+223190)	N/A
Chr16	57383734	57383878	Chr16.52840	Filp1l(+30713),Cmss1(+223019)	N/A
Chr16	57386203	57386363	Chr16.52852	Filp1l(+40190),Cmss1(+213542)	N/A
Chr16	57401353	57401495	Chr16.52867	Filp1l(+48331),Cmss1(+205401)	N/A
Chr16	57401787	57401897	Chr16.52871	Filp1l(+48749),Cmss1(+204983)	N/A
Chr16	57407239	57407344	Chr16.52878	Filp1l(+54199),Cmss1(+199533)	N/A
Chr16	57412880	57412989	Chr16.52886	Filp1l(+59842),Cmss1(+193890)	N/A
Chr16	57416207	57416436	Chr16.52891	Filp1l(+63229),Cmss1(+190503)	N/A
Chr16	57421119	57421334	Chr16.52899	Filp1l(+68133),Cmss1(+186599)	N/A
Chr16	57421363	57421546	Chr16.52903	Filp1l(+68362),Cmss1(+185370)	N/A

Chr16	57427131	57427253	Chr16.52918	Filip1l(+74099),Cmss1(+179633)	N/A
Chr16	57427692	57427907	Chr16.52921	Filip1l(+74707),Cmss1(+179025)	N/A
Chr16	57438010	57438686	Chr16.52928	Filip1l(+85205),Cmss1(+168527)	N/A
Chr16	57448505	57446981	Chr16.52948	Filip1l(+93650),Cmss1(+160082)	N/A
Chr16	57450199	57450326	Chr16.52959	Filip1l(+97170),Cmss1(+156562)	N/A
Chr16	57453114	57453324	Chr16.52964	Filip1l(+100126),Cmss1(+153606)	N/A
Chr16	57456214	57456422	Chr16.52973	Filip1l(+103225),Cmss1(+150507)	N/A
Chr16	57473864	57474064	Chr16.52999	Filip1l(+120871),Cmss1(+132861)	N/A
Chr16	57474122	57474243	Chr16.53001	Filip1l(+121090),Cmss1(+132642)	N/A
Chr16	57484094	57484194	Chr16.53009	Cmss1(+122681),Filip1l(+131051)	N/A
Chr16	57484453	57484557	Chr16.53014	Cmss1(+122320),Filip1l(+131412)	N/A
Chr16	57496450	57496551	Chr16.53029	Cmss1(+110324),Filip1l(+143408)	N/A
Chr16	57496696	57496958	Chr16.53033	Cmss1(+109998),Filip1l(+143734)	N/A
Chr16	57498492	57498645	Chr16.53039	Cmss1(+108256),Filip1l(+145476)	N/A
Chr16	57502715	57502948	Chr16.53055	Cmss1(+103983),Filip1l(+149739)	N/A
Chr16	57515625	57515930	Chr16.53094	Cmss1(+91097),Filip1l(+162635)	N/A
Chr16	57515994	57516177	Chr16.53100	Cmss1(+90739),Filip1l(+162993)	N/A
Chr16	57532174	57532475	Chr16.53134	Cmss1(+74500),Filip1l(+179232)	N/A
Chr16	57536698	57536883	Chr16.53143	Cmss1(+70034),Filip1l(+183698)	N/A
Chr16	57544526	57544669	Chr16.53153	Cmss1(+62227),Filip1l(+191505)	N/A
Chr16	57549151	57549271	Chr16.53160	Cmss1(+57614),Filip1l(+196118)	N/A
Chr16	57550729	57550863	Chr16.53166	Cmss1(+56029),Filip1l(+197703)	N/A
Chr16	57550906	57551116	Chr16.53169	Cmss1(+55814),Filip1l(+197918)	N/A
Chr16	57563537	57563760	Chr16.53197	Cmss1(+43176),Filip1l(+210556)	N/A
Chr16	57563807	57563981	Chr16.53199	Cmss1(+42931),Filip1l(+210801)	N/A
Chr16	57585593	57585729	Chr16.53276	Cmss1(+21164),Filip1l(+232658)	N/A
Chr16	57644081	57644313	Chr16.53421	Cmss1(+37362),ColBa1(+110550)	N/A
Chr16	57662595	57662838	Chr16.53451	Cmss1(+55892),ColBa1(+92020)	N/A
Chr16	57675286	57675419	Chr16.53471	Cmss1(+68528),ColBa1(+79384)	N/A
Chr16	57675702	57675876	Chr16.53476	Cmss1(+68964),ColBa1(+78948)	N/A
Chr16	57676684	57676831	Chr16.53482	Cmss1(+69933),ColBa1(+77979)	N/A
Chr16	57686542	57686742	Chr16.53505	Cmss1(+79817),ColBa1(+68805)	N/A
Chr16	57694093	57694221	Chr16.53518	Cmss1(+87332),ColBa1(+60580)	N/A
Chr16	57694950	57695059	Chr16.53535	Cmss1(+88180),ColBa1(+59732)	N/A
Chr16	57725005	57725239	Chr16.53603	Cmss1(+118297),ColBa1(+29615)	N/A
Chr16	57733347	57733526	Chr16.53615	Cmss1(+126612),ColBa1(+21300)	N/A
Chr16	57733555	57733811	Chr16.53617	Cmss1(+126858),ColBa1(+21054)	N/A
Chr16	57747444	57747599	Chr16.53650	Cmss1(+140697),ColBa1(+7215)	N/A
Chr16	57747808	57747997	Chr16.53652	Cmss1(+141078),ColBa1(+6834)	N/A
Chr16	57753387	57753542	Chr16.53673	Cmss1(+146640),ColBa1(+1272)	N/A
Chr16	57754031	57754297	Chr16.53680	ColBa1(+573)	N/A
Chr16	57755483	57755764	Chr16.53688	ColBa1(+887)	N/A
Chr16	57766615	57765728	Chr16.53701	Dcblid2(+642771),ColBa1(+10935)	N/A
Chr16	57766029	57766148	Chr16.53708	Dcblid2(+642354),ColBa1(+11352)	N/A
Chr16	57858949	57859144	Chr16.53799	Dcblid2(+549396),ColBa1(+104310)	N/A
Chr16	57881790	57882114	Chr16.53832	Dcblid2(+526491),ColBa1(+127215)	N/A
Chr16	57888593	57888865	Chr16.53844	Dcblid2(+519711),ColBa1(+133991)	N/A
Chr16	57218122	7218248	Chr16.5386	Rbfox1(+148355)	N/A
Chr16	58022473	58022655	Chr16.53994	Dcblid2(+385879),ColBa1(+267827)	N/A
Chr16	58100400	58100563	Chr16.54061	ColBa1(+345748),Dcblid2(+307961)	N/A
Chr16	58123150	58123467	Chr16.54095	ColBa1(+368572),Dcblid2(+285134)	N/A
Chr16	58404578	58404732	Chr16.54305	Dcblid2(+3788)	N/A
Chr16	58729102	58729271	Chr16.54558	Dcblid2(+1277),Olf172(+32053)	N/A
Chr16	59432373	59432676	Chr16.55201	Rfox2(+39251),Gabin2(+294759)	N/A
Chr16	59547127	59547349	Chr16.55358	Crybg3(+8514),Rfox2(+75170)	N/A
Chr16	59599137	59599393	Chr16.55447	Crybg3(+43513),Arf6(+39902)	N/A
Chr16	59604481	59604615	Chr16.55454	Crybg3(+48796),Arf6(+34619)	N/A
Chr16	59653644	59653838	Chr16.55535	Arf6(+14574),Epha6(+951507)	N/A
Chr16	59715571	59715751	Chr16.55638	Arf6(+76497),Epha6(+889584)	N/A
Chr16	7383127	7383375	Chr16.5646	Rbfox1(+131416)	N/A
Chr16	7408401	7408575	Chr16.5679	Rbfox1(+338653)	N/A
Chr16	62653890	62654003	Chr16.56922	Nsun3(+132830)	N/A
Chr16	62784054	62784246	Chr16.57048	Nsun3(+2627)	N/A
Chr16	62814619	62814758	Chr16.57092	Stx19(+13)	N/A
Chr16	7447842	7447832	Chr16.5711	Rbfox1(+377902),Tmem114(+977399)	N/A
Chr16	62942447	62942913	Chr16.57196	Prox1(+88373),Epha3(+921478)	N/A
Chr16	63081443	63081643	Chr16.57341	Prox1(+227236),Epha3(+782615)	N/A
Chr16	63084365	63084753	Chr16.57354	Prox1(+230252),Epha3(+779599)	N/A
Chr16	63091589	63092053	Chr16.57367	Prox1(+237514),Epha3(+772373)	N/A
Chr16	63177628	63177845	Chr16.57421	Prox1(+323430),Epha3(+696421)	N/A
Chr16	63287677	63288012	Chr16.57513	Prox1(+433380),Epha3(+763139)	N/A
Chr16	63292197	63292373	Chr16.57534	Prox1(+437978),Epha3(+571873)	N/A
Chr16	63317905	63318065	Chr16.57550	Prox1(+463678),Epha3(+546173)	N/A
Chr16	63452279	63452694	Chr16.57606	Epha3(+411671),Prox1(+598180)	N/A
Chr16	63476478	63476838	Chr16.57616	Epha3(+387500),Prox1(+622351)	N/A
Chr16	63497532	63497797	Chr16.57626	Epha3(+368493),Prox1(+643358)	N/A
Chr16	63502320	63502486	Chr16.57629	Epha3(+361753),Prox1(+648096)	N/A
Chr16	63528870	63529047	Chr16.57661	Epha3(+335199),Prox1(+674652)	N/A
Chr16	63529356	63529487	Chr16.57664	Epha3(+334736),Prox1(+675115)	N/A
Chr16	63615521	63615714	Chr16.57794	Epha3(+248540),Prox1(+761311)	N/A
Chr16	63658575	63658781	Chr16.57868	Epha3(+205539),Prox1(+804321)	N/A
Chr16	63658819	63658984	Chr16.57872	Epha3(+205257),Prox1(+804594)	N/A
Chr16	63659031	63659224	Chr16.57875	Epha3(+205030),Prox1(+804821)	N/A
Chr16	63792129	63792252	Chr16.58032	Epha3(+71967),Prox1(+937884)	N/A
Chr16	63794190	63794415	Chr16.58039	Epha3(+69855),Prox1(+939996)	N/A
Chr16	7528392	7528397	Chr16.5804	Rbfox1(+458760),Tmem114(+896541)	N/A
Chr16	7529018	7529165	Chr16.5809	Rbfox1(+459257),Tmem114(+896044)	N/A
Chr16	63816677	63816867	Chr16.58090	Epha3(+47386),Prox1(+962465)	N/A
Chr16	63817452	63817590	Chr16.58093	Epha3(+46637),Prox1(+963214)	N/A
Chr16	63817725	63817900	Chr16.58096	Epha3(+46345),Prox1(+963506)	N/A
Chr16	63863105	63863226	Chr16.58138	Epha3(+992)	N/A
Chr16	63903470	63903766	Chr16.58177	Epha3(+39460),Csnka2ip(+575530)	N/A
Chr16	63958259	63958581	Chr16.58197	Epha3(+94252),Csnka2ip(+520707)	N/A
Chr16	64068769	64069715	Chr16.58347	Epha3(+205084),Csnka2ip(+409906)	N/A
Chr16	64145607	64146009	Chr16.58408	Epha3(+281650),Csnka2ip(+333340)	N/A
Chr16	7574962	7575068	Chr16.5848	Rbfox1(+505180),Tmem114(+850121)	N/A
Chr16	64332390	64332792	Chr16.58593	Epha3(+468433),Csnka2ip(+146557)	N/A
Chr16	64494967	64498661	Chr16.58676	Csnka2ip(+1416),4930453n24nk(+280697)	N/A
Chr16	7632568	7632860	Chr16.5880	Rbfox1(+562879),Tmem114(+792422)	N/A
Chr16	64692224	64692405	Chr16.58874	Csnka2ip(+213167),4930453n24nk(+78846)	N/A
Chr16	64737269	64737867	Chr16.58919	Csnka2ip(+258420),4930453n24nk(+33593)	N/A
Chr16	7639409	7639526	Chr16.5895	Rbfox1(+569633),Tmem114(+785668)	N/A
Chr16	65380067	65380238	Chr16.59149	Htr1f(+274369),Pou1f1(+140359)	N/A
Chr16	7653229	7653147	Chr16.5916	Rbfox1(+583253),Tmem114(+772048)	N/A
Chr16	7658166	7658376	Chr16.5922	Rbfox1(+588436),Tmem114(+766865)	N/A
Chr16	65561491	65561656	Chr16.59285	Chmp2b(+1123),Pou1f1(+41062)	N/A
Chr16	65610886	65611139	Chr16.59352	Vgll3(+204620),Chmp2b(+48316)	N/A
Chr16	65642637	65642939	Chr16.59376	Vgll3(+172845),Chmp2b(+80091)	N/A
Chr16	65661657	65661823	Chr16.59392	Vgll3(+153853),Chmp2b(+96043)	N/A
Chr16	65662521	65662698	Chr16.59397	Vgll3(+153033),Chmp2b(+99193)	N/A
Chr16	65662984	65663122	Chr16.59402	Vgll3(+152580),Chmp2b(+100356)	N/A
Chr16	65817869	65818137	Chr16.59509	Vgll3(+2370)	N/A
Chr16	65823776	65823960	Chr16.59526	Vgll3(+8235)	N/A
Chr16	65850975	65851160	Chr16.59568	Vgll3(+35435)	N/A
Chr16	65864649	65864813	Chr16.59596	Vgll3(+90908)	N/A
Chr16	65867678	65867804	Chr16.59604	Vgll3(+52108)	N/A
Chr16	65868021	65868326	Chr16.59608	Vgll3(+52541)	N/A
Chr16	65868848	65869089	Chr16.59612	Vgll3(+53336)	N/A
Chr16	65869149	65869313	Chr16.59613	Vgll3(+53598)	N/A
Chr16	65869836	65869503	Chr16.59638	Vgll3(+83682)	N/A
Chr16	65964270	65964515	Chr16.59680	Vgll3(+48760)	N/A
Chr16	7764235	7764473	Chr16.5983	Tmem114(+660782),Rbfox1(+694519)	N/A
Chr16	66195255	66195371	Chr16.59868	Vgll3(+379680)	N/A
Chr16	7827976	7828144	Chr16.6026	Tmem114(+597076),Rbfox1(+758225)	N/A
Chr16	7830815	7830975	Chr16.6033	Tmem114(+594241),Rbfox1(+761060)	N/A
Chr16	6693986	66940489	Chr16.60552	Cadm2(+626870)	N/A
Chr16	67030893	67031245	Chr16.60599	Cadm2(+589539)	N/A
Chr16	67106816	67106966	Chr16.60732	Cadm2(+514017)	N/A
Chr16	7928363	7928556	Chr16.6091	Tmem114(+496676),Rbfox1(+858625)	N/A
Chr16	7931570	7931673	Chr16.6094	Tmem114(+493514),Rbfox1(+861787)	N/A
Chr16	7937476	7937476	Chr16.6102	Tmem114(+487779),Rbfox1(+867531)	N/A
Chr16	67373525	67373695	Chr16.61111	Cadm2(+247298)	N/A
Chr16	67617705	67617885	Chr16.61125	Cadm2(+3063)	N/A
Chr16	67619583	67619708	Chr16.61442	Cadm2(+1262)	N/A
Chr16	67619791	67620040	Chr16.61444	Cadm2(+992)	N/A
Chr16	67620541	67620684	Chr16.61452	Cadm2(+295)	N/A
Chr16	67620862	67621091	Chr16.61454	Cadm2(+79)	N/A
Chr16	67621199	67621496	Chr16.61457	Cadm2(+440)	N/A

Chr16	67622377	67622544	Chr16.61464	Cadm2(-1553)	N/A
Chr16	8008943	8009044	Chr16.61167	Tmem114(+416142),Rbfox1(+939159)	N/A
Chr16	69366399	69366735	Chr16.62151	Spee2(+497182)	N/A
Chr16	69469592	69469928	Chr16.62213	Spee2(+393992)	N/A
Chr16	8108376	8108611	Chr16.6235	Tmem114(+316642)	N/A
Chr16	8108788	8109120	Chr16.6242	Tmem114(+316182)	N/A
Chr16	70078604	70078819	Chr16.62709	Gbe1(-235237),Spee2(-214968)	N/A
Chr16	70087530	70087879	Chr16.62727	Gbe1(-226244),Spee2(-223961)	N/A
Chr16	70083237	70083528	Chr16.62743	Spee2(-226639),Gbe1(-220556)	N/A
Chr16	70103960	70104111	Chr16.62767	Spee2(-240293),Gbe1(-209913)	N/A
Chr16	70147970	70148160	Chr16.62834	Spee2(-284321),Gbe1(-165884)	N/A
Chr16	70228546	70228752	Chr16.62917	Spee2(-364905),Gbe1(-85300)	N/A
Chr16	70228792	70228900	Chr16.62918	Spee2(-365102),Gbe1(-85103)	N/A
Chr16	70239607	70239941	Chr16.62924	Spee2(-376030),Gbe1(-74173)	N/A
Chr16	70244577	70244739	Chr16.62930	Spee2(-380914),Gbe1(-69291)	N/A
Chr16	70331463	70331711	Chr16.63007	Gbe1(-17638),4930423o20rk(+50798)	N/A
Chr16	70351939	70352176	Chr16.63028	4930423o20rk(+30327),Gbe1(+38109)	N/A
Chr16	70446280	70446419	Chr16.63102	4930423o20rk(-63955)	N/A
Chr16	70563821	70563960	Chr16.63239	4930423o20rk(-181506)	N/A
Chr16	8208303	8208439	Chr16.6339	Tmem114(+216765)	N/A
Chr16	70839694	70839855	Chr16.63634	4930423o20rk(-427385)	N/A
Chr16	70880902	70881051	Chr16.63689	4930423o20rk(-498592)	N/A
Chr16	71035937	71036052	Chr16.63764	4930423o20rk(-653610)	N/A
Chr16	71678247	71678404	Chr16.64062	Robo1(-984823)	N/A
Chr16	71944343	71944457	Chr16.64207	Robo1(-718749)	N/A
Chr16	72027579	72027694	Chr16.64247	Robo1(-635512)	N/A
Chr16	72028718	72028819	Chr16.64254	Robo1(-634380)	N/A
Chr16	72222073	72222359	Chr16.64451	Robo1(-440933)	N/A
Chr16	72268009	72268300	Chr16.64480	Robo1(-394994)	N/A
Chr16	72349913	72350017	Chr16.64545	Robo1(-313184)	N/A
Chr16	72362431	72362562	Chr16.64567	Robo1(-300652)	N/A
Chr16	72412784	72413075	Chr16.64621	Robo1(-250228)	N/A
Chr16	72444476	72444655	Chr16.64669	Robo1(-218583)	N/A
Chr16	72458712	72458977	Chr16.64685	Robo1(-204304)	N/A
Chr16	72484115	72484226	Chr16.64725	Robo1(-178978)	N/A
Chr16	72551848	72552028	Chr16.64795	Robo1(-111211)	N/A
Chr16	72563238	72563487	Chr16.64815	Robo1(-99786)	N/A
Chr16	72563559	72563808	Chr16.64817	Robo1(-99465)	N/A
Chr16	72623009	72623156	Chr16.64896	Robo1(-40066)	N/A
Chr16	72645944	72646191	Chr16.64909	Robo1(-17081)	N/A
Chr16	72664712	72664871	Chr16.64947	Robo1(+1643)	N/A
Chr16	72665781	72666053	Chr16.64956	Robo1(+2768)	N/A
Chr16	72670436	72670635	Chr16.64967	Robo1(+7387)	N/A
Chr16	72670778	72671009	Chr16.64969	Robo1(+7745)	N/A
Chr16	72678484	72678854	Chr16.64990	Robo1(+15520)	N/A
Chr16	72693742	72693917	Chr16.65018	Robo1(+30681)	N/A
Chr16	72699160	72699278	Chr16.65030	Robo1(+36070)	N/A
Chr16	72723412	72723588	Chr16.65053	Robo1(+60350)	N/A
Chr16	72734596	72734727	Chr16.65059	Robo1(+71513)	N/A
Chr16	72770253	72770644	Chr16.65105	Robo1(+107300)	N/A
Chr16	72772354	72772672	Chr16.65108	Robo1(+109364)	N/A
Chr16	72773116	72773254	Chr16.65111	Robo1(+110036)	N/A
Chr16	72778618	72778884	Chr16.65119	Robo1(+115602)	N/A
Chr16	72789001	72789194	Chr16.65144	Robo1(+124949)	N/A
Chr16	72788223	72788399	Chr16.65146	Robo1(+125162)	N/A
Chr16	72795356	72795358	Chr16.65148	Robo1(+132094)	N/A
Chr16	72800121	72800555	Chr16.65166	Robo1(+137189)	N/A
Chr16	72807428	72807625	Chr16.65184	Robo1(+144378)	N/A
Chr16	72836332	72836931	Chr16.65187	Robo1(+145333)	N/A
Chr16	72811072	72811265	Chr16.65196	Robo1(+148020)	N/A
Chr16	72811584	72811966	Chr16.65199	Robo1(+148626)	N/A
Chr16	72812046	72812632	Chr16.65203	Robo1(+149190)	N/A
Chr16	72812662	72812767	Chr16.65208	Robo1(+149566)	N/A
Chr16	72819483	72819690	Chr16.65214	Robo1(+156439)	N/A
Chr16	72828343	72828541	Chr16.65234	Robo1(+165293)	N/A
Chr16	72829541	72829721	Chr16.65239	Robo1(+166482)	N/A
Chr16	72830812	72830982	Chr16.65248	Robo1(+167748)	N/A
Chr16	72848398	72848577	Chr16.65275	Robo1(+185339)	N/A
Chr16	72854221	72854359	Chr16.65283	Robo1(+191141)	N/A
Chr16	72861903	72862204	Chr16.65329	Robo1(+198605)	N/A
Chr16	72875351	72875825	Chr16.65330	Robo1(+212439)	N/A
Chr16	72897045	72897367	Chr16.65333	Robo1(+234057)	N/A
Chr16	72913502	72913617	Chr16.65370	Robo1(+250411)	N/A
Chr16	72919875	72920013	Chr16.65374	Robo1(+256795)	N/A
Chr16	72920556	72920778	Chr16.65379	Robo1(+257518)	N/A
Chr16	72923440	72923844	Chr16.65386	Robo1(+260493)	N/A
Chr16	72924604	72924800	Chr16.65397	Robo1(+261553)	N/A
Chr16	72928705	72928857	Chr16.65407	Robo1(+265632)	N/A
Chr16	72936812	72937004	Chr16.65423	Robo1(+273759)	N/A
Chr16	72937148	72937341	Chr16.65426	Robo1(+274096)	N/A
Chr16	72957696	72958062	Chr16.65469	Robo1(+294739)	N/A
Chr16	8523916	8524048	Chr16.6548	Pmm2(+113992),Abat(+10553)	N/A
Chr16	8539228	8539361	Chr16.6559	Pmm2(+98379),Abat(+25866)	N/A
Chr16	73007567	73007734	Chr16.65643	Robo1(+344502)	N/A
Chr16	73020926	73021299	Chr16.65666	Robo1(+357964)	N/A
Chr16	73028477	73028663	Chr16.65712	Robo1(+365421)	N/A
Chr16	73092294	73092403	Chr16.65789	Robo1(+429200)	N/A
Chr16	73096574	73096738	Chr16.65792	Robo1(+433507)	N/A
Chr16	73097474	73097719	Chr16.65806	Robo1(+434448)	N/A
Chr16	73105386	73105511	Chr16.65816	Robo1(+442300)	N/A
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Chr16	73279982	73280337	Chr16.65997	Robo1(+617017)	N/A
Chr16	73295013	73295224	Chr16.66020	Robo1(+631979)	N/A
Chr16	73323240	73323403	Chr16.66030	Robo1(+660173)	N/A
Chr16	73367371	73367551	Chr16.66080	Robo1(+704312)	N/A
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Chr16	73482680	73482797	Chr16.66213	Robo1(+819590),Robo2(+928250)	N/A
Chr16	73530391	73530616	Chr16.66242	Robo1(+867203),Robo2(+880639)	N/A
Chr16	8621140	86211316	Chr16.6625	Pmm2(+16446),Abat(+107799)	N/A
Chr16	73636344	73636451	Chr16.66292	Robo2(+774591),Robo1(+973249)	N/A
Chr16	73636560	73636661	Chr16.66294	Robo2(+774378),Robo1(+973462)	N/A
Chr16	73647248	73647610	Chr16.66299	Robo2(+763560),Robo1(+984280)	N/A
Chr16	73647679	73647843	Chr16.66302	Robo2(+763228),Robo1(+984612)	N/A
Chr16	73754460	73754598	Chr16.66354	Robo2(+656460)	N/A
Chr16	73772447	73772576	Chr16.66386	Robo2(+638477)	N/A
Chr16	73877845	73878147	Chr16.66504	Robo2(+532993)	N/A
Chr16	73878449	73878563	Chr16.66509	Robo2(+532483)	N/A
Chr16	73933897	73934168	Chr16.66652	Robo2(+476956)	N/A
Chr16	73991195	73991549	Chr16.66790	Robo2(+419617)	N/A
Chr16	74019929	74020146	Chr16.66836	Robo2(+390951)	N/A
Chr16	74055013	74055131	Chr16.66912	Robo2(+355917)	N/A
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Chr16	74057853	74057955	Chr16.66933	Robo2(+353089)	N/A
Chr16	74065894	74066191	Chr16.66941	Robo2(+344901)	N/A
Chr16	74070872	74071119	Chr16.66946	Robo2(+339993)	N/A
Chr16	74090051	74090247	Chr16.66979	Robo2(+320804)	N/A
Chr16	74135010	74135257	Chr16.67047	Robo2(+275855)	N/A
Chr16	74148709	74148952	Chr16.67062	Robo2(+262158)	N/A
Chr16	74169027	74169191	Chr16.67097	Robo2(+241880)	N/A
Chr16	74222917	74222677	Chr16.67183	Robo2(+188392)	N/A
Chr16	74222709	74222913	Chr16.67188	Robo2(+188178)	N/A
Chr16	74272998	74273312	Chr16.67260	Robo2(+137834)	N/A
Chr16	74295700	74295838	Chr16.67303	Robo2(+115220)	N/A
Chr16	74348467	74348625	Chr16.67427	Robo2(+62443)	N/A
Chr16	74371822	74371931	Chr16.67448	Robo2(+39112)	N/A
Chr16	74409236	74409386	Chr16.67537	Robo2(+1678)	N/A
Chr16	74409718	74409892	Chr16.67538	Robo2(+1184)	N/A
Chr16	74410165	74410295	Chr16.67542	Robo2(+759)	N/A
Chr16	74410841	74411354	Chr16.67548	Robo2(+109)	N/A
Chr16	74467598	74467899	Chr16.67630	Robo2(+56760)	N/A
Chr16	74468228	74468480	Chr16.67634	Robo2(+57365)	N/A
Chr16	74526708	74526816	Chr16.67699	Robo2(+115773)	N/A
Chr16	8715605	8716025	Chr16.6807	Carhsp1(-43662),Usp7(+22527)	N/A
Chr16	75092478	75093112	Chr16.68303	Robo2(+681806),Lip1(+493261)	N/A
Chr16	75706732	75706852	Chr16.68797	Hspa13(+29)	N/A
Chr16	75843863	75844031	Chr16.68846	Hspa13(+77126),Samen1(+65363)	N/A
Chr16	8938004	8938137	Chr16.6880	1810013o20rk(+107971)	N/A

Chr16	9009356	9009556	Chr16.6901	181001324rik(+179356), Grin2a(+985465)	N/A
Chr16	76183237	76183346	Chr16.69279	Samsn1(-273982), Nrip1(+190535)	N/A
Chr16	76201855	76201966	Chr16.69295	Samsn1(-292601), Nrip1(+171916)	N/A
Chr16	76226902	76226768	Chr16.69329	Samsn1(-317374), Nrip1(+147143)	N/A
Chr16	9092315	9092501	Chr16.6949	181001324rik(+262308), Grin2a(+902513)	N/A
Chr17	76321709	76322007	Chr16.69510	Samsn1(-412548), Nrip1(+51969)	N/A
Chr16	76358264	76358414	Chr16.69538	Samsn1(-449029), Nrip1(+15488)	N/A
Chr16	76365208	76365326	Chr16.69548	Samsn1(-459597), Nrip1(+8560)	N/A
Chr16	76369892	76370259	Chr16.69560	Samsn1(-460756), Nrip1(+3751)	N/A
Chr16	76370593	76370893	Chr16.69564	Samsn1(-461433), Nrip1(+3084)	N/A
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Chr16	76371981	76372113	Chr16.69575	Samsn1(-462737), Nrip1(+1780)	N/A
Chr16	76389040	76389224	Chr16.69613	Nrip1(-15305), Gm9843(+14580)	N/A
Chr16	76407000	76407305	Chr16.69636	Gm9843(-3447)	N/A
Chr16	76407726	76407932	Chr16.69645	Gm9843(-4117)	N/A
Chr16	76432900	76432937	Chr16.69682	Usp25(-581200), Gm9843(-29157)	N/A
Chr16	76433178	76433442	Chr16.69688	Usp25(-580759), Gm9843(-29598)	N/A
Chr16	76453809	76454156	Chr16.69740	Usp25(-560086), Gm9843(-50271)	N/A
Chr16	76461974	76462200	Chr16.69754	Usp25(-551982), Gm9843(-58375)	N/A
Chr16	76524597	76524749	Chr16.69833	Usp25(-488396), Gm9843(-12061)	N/A
Chr16	76526668	76526825	Chr16.69844	Usp25(-486322), Gm9843(-120339)	N/A
Chr16	76531046	76531150	Chr16.69850	Usp25(-482971), Gm9843(-127386)	N/A
Chr16	76532892	76533080	Chr16.69858	Usp25(-481083), Gm9843(-129274)	N/A
Chr16	76539487	76540030	Chr16.69886	Usp25(-474310), Gm9843(-136047)	N/A
Chr16	76600202	76600388	Chr16.69934	Usp25(-413779), Gm9843(-196582)	N/A
Chr16	76608047	76608247	Chr16.69948	Usp25(-409000), Gm9843(-204457)	N/A
Chr16	76621730	76621833	Chr16.69964	Usp25(-392287), Gm9843(-218070)	N/A
Chr16	76626028	76626404	Chr16.69973	Usp25(-387853), Gm9843(-222504)	N/A
Chr16	76680288	76680623	Chr16.70035	Usp25(-333613), Gm9843(-276744)	N/A
Chr16	76685676	76685779	Chr16.70052	Usp25(-328341), Gm9843(-282016)	N/A
Chr16	76762910	76763219	Chr16.70145	Gm9843(-359353), Usp25(-251004)	N/A
Chr16	76763439	76763591	Chr16.70157	Gm9843(-359803), Usp25(-250545)	N/A
Chr16	76765275	76765525	Chr16.70155	Gm9843(-361688), Usp25(-248669)	N/A
Chr16	76928083	76928193	Chr16.70287	Gm9843(-524426), Usp25(-85931)	N/A
Chr16	92747117	9274833	Chr16.7036	181001324rik(+444675), Grin2a(+720146)	N/A
Chr16	77150866	77151290	Chr16.70404	Usp25(+137009), Gm11146(+451016)	N/A
Chr16	77173250	77173465	Chr16.70419	Usp25(+159289), Gm11146(+428736)	N/A
Chr16	77182708	77182815	Chr16.70436	Usp25(+168693), Gm11146(+419332)	N/A
Chr16	77235957	77236412	Chr16.70463	Usp25(+222116), Gm11146(+365909)	N/A
Chr16	77236817	77236918	Chr16.70470	Usp25(+222799), Gm11146(+365226)	N/A
Chr16	77237018	77237306	Chr16.70471	Usp25(+223093), Gm11146(+364932)	N/A
Chr16	77237766	77237993	Chr16.70473	Usp25(+222811), Gm11146(+364214)	N/A
Chr16	77238457	77239019	Chr16.70477	Usp25(+224669), Gm11146(+363356)	N/A
Chr16	77322501	77322618	Chr16.70537	Gm11146(+278634), Usp25(+308491)	N/A
Chr16	77329042	77329697	Chr16.70542	Gm11146(+272724), Usp25(+315301)	N/A
Chr16	77329903	77330287	Chr16.70547	Gm11146(+271999), Usp25(+316026)	N/A
Chr16	77398854	77400224	Chr16.70596	Gm11146(+202055), Usp25(+385970)	N/A
Chr16	77400559	77400898	Chr16.70599	Gm11146(+201365), Usp25(+386450)	N/A
Chr16	77401656	77401892	Chr16.70605	Gm11146(+200320), Usp25(+387705)	N/A
Chr16	77402735	77403266	Chr16.70612	Gm11146(+199093), Usp25(+388932)	N/A
Chr16	77405474	77405730	Chr16.70619	Gm11146(+196492), Usp25(+391533)	N/A
Chr16	77417787	77418022	Chr16.70643	Gm11146(+184189), Usp25(+403836)	N/A
Chr16	77499935	77500287	Chr16.70733	Gm11146(+101993), Usp25(+486032)	N/A
Chr16	77500417	77500672	Chr16.70735	Gm11146(+101549), Usp25(+486476)	N/A
Chr16	77500859	77501102	Chr16.70738	Gm11146(+101113), Usp25(+486912)	N/A
Chr16	77501507	77501665	Chr16.70741	Gm11146(+100508), Usp25(+487517)	N/A
Chr16	77503617	77503824	Chr16.70747	Gm11146(+98373), Usp25(+489652)	N/A
Chr16	77535406	77535726	Chr16.70776	Gm11146(+66528), Usp25(+521497)	N/A
Chr16	77536662	77537185	Chr16.70785	Gm11146(+65170), Usp25(+522855)	N/A
Chr16	77537310	77537432	Chr16.70791	Gm11146(+64773), Usp25(+523329)	N/A
Chr16	77592981	77593369	Chr16.70844	Gm11146(+69119), Usp25(+579106)	N/A
Chr16	77593814	77594363	Chr16.70856	Gm11146(+8005), Usp25(+580020)	N/A
Chr16	77594611	77594926	Chr16.70856	Gm11146(+7325), Usp25(+580700)	N/A
Chr16	77596854	77596881	Chr16.70875	Gm11146(+5346), Usp25(+582679)	N/A
Chr16	77598559	77598965	Chr16.70876	Gm11146(+5182), Usp25(+582834)	N/A
Chr16	77636372	77637045	Chr16.70909	Cxadr(-664787), Gm11146(-34615)	N/A
Chr16	77638560	77638695	Chr16.70914	Cxadr(-662868), Gm11146(-36534)	N/A
Chr16	77643072	77643423	Chr16.70928	Cxadr(-658248), Gm11146(-41154)	N/A
Chr16	77643647	77643763	Chr16.70937	Cxadr(-657791), Gm11146(-41611)	N/A
Chr16	77644487	77644697	Chr16.70942	Cxadr(-656804), Gm11146(-425598)	N/A
Chr16	77645842	77646073	Chr16.70947	Cxadr(-655638), Gm11146(-43984)	N/A
Chr16	77646238	77646550	Chr16.70950	Cxadr(-655102), Gm11146(-44300)	N/A
Chr16	77648332	77648560	Chr16.70956	Cxadr(-653050), Gm11146(-46352)	N/A
Chr16	77649218	77649357	Chr16.70968	Cxadr(-652208), Gm11146(-47194)	N/A
Chr16	77650521	77651047	Chr16.70973	Cxadr(-650712), Gm11146(-48990)	N/A
Chr16	77653434	77653581	Chr16.70984	Cxadr(-647968), Gm11146(-51474)	N/A
Chr16	77662041	77662409	Chr16.71006	Cxadr(-639271), Gm11146(-60131)	N/A
Chr16	77685526	77685935	Chr16.71036	Cxadr(-615765), Gm11146(-83637)	N/A
Chr16	77693496	77693802	Chr16.71045	Cxadr(-607847), Gm11146(-91555)	N/A
Chr16	77759933	77760183	Chr16.71091	Cxadr(-541438), Gm11146(-157964)	N/A
Chr16	77761175	77761351	Chr16.71101	Cxadr(-540233), Gm11146(-159169)	N/A
Chr16	77772476	77772624	Chr16.71123	Cxadr(-528946), Gm11146(-170456)	N/A
Chr16	77788006	77788194	Chr16.71136	Cxadr(-513396), Gm11146(-186006)	N/A
Chr16	77788240	77788416	Chr16.71140	Cxadr(-513168), Gm11146(-186234)	N/A
Chr16	77796738	77797020	Chr16.71155	Cxadr(-504526), Gm11146(-194876)	N/A
Chr16	77799741	77800011	Chr16.71158	Cxadr(-501620), Gm11146(-197782)	N/A
Chr16	77848176	77848319	Chr16.71182	Cxadr(-453248), Gm11146(-246154)	N/A
Chr16	77851707	77851847	Chr16.71194	Cxadr(-449719), Gm11146(-249683)	N/A
Chr16	77852193	77852864	Chr16.71196	Cxadr(-448967), Gm11146(-250435)	N/A
Chr16	77885315	77885470	Chr16.71232	Cxadr(-416103), Gm11146(-283299)	N/A
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Chr16	77894393	77894602	Chr16.71239	Cxadr(-406869), Gm11146(-292413)	N/A
Chr16	77945687	77945824	Chr16.71255	Cxadr(-355740), Gm11146(-343662)	N/A
Chr16	77965858	77968785	Chr16.71274	Gm11146(-384593), Cxadr(-314809)	N/A
Chr16	78020084	78020186	Chr16.71316	Gm11146(-418041), Cxadr(-281361)	N/A
Chr16	78045913	78046143	Chr16.71329	Gm11146(-443934), Cxadr(-255468)	N/A
Chr16	78052214	78052683	Chr16.71334	Gm11146(-450345), Cxadr(-249057)	N/A
Chr16	78098576	78098745	Chr16.71371	Gm11146(-496567), Cxadr(-202835)	N/A
Chr16	78099262	78099546	Chr16.71376	Gm11146(-497310), Cxadr(-202092)	N/A
Chr16	78099890	78100034	Chr16.71379	Gm11146(-497868), Cxadr(-201534)	N/A
Chr16	78101873	78102009	Chr16.71382	Gm11146(-499847), Cxadr(-199555)	N/A
Chr16	78102049	78102155	Chr16.71385	Gm11146(-500008), Cxadr(-199394)	N/A
Chr16	78156741	78156840	Chr16.71426	Gm11146(-554697), Cxadr(-144705)	N/A
Chr16	78236909	78237051	Chr16.71443	Gm11146(-634886), Cxadr(-64516)	N/A
Chr16	78238392	78238601	Chr16.71451	Gm11146(-636403), Cxadr(-62999)	N/A
Chr16	78243140	78243283	Chr16.71456	Gm11146(-641118), Cxadr(-58284)	N/A
Chr16	78259140	78259240	Chr16.71465	Gm11146(-657096), Cxadr(-42306)	N/A
Chr16	78265229	78265440	Chr16.71475	Gm11146(-663241), Cxadr(-36161)	N/A
Chr16	78302804	78303006	Chr16.71480	Cxadr(+1458), D16ertd472e(+273702)	N/A
Chr16	78375132	78375267	Chr16.71580	Cxadr(+173704), D16ertd472e(+201457)	N/A
Chr16	78427433	78427773	Chr16.71600	Cxadr(+126107), D16ertd472e(+149054)	N/A
Chr16	78427803	78428046	Chr16.71604	Cxadr(+126429), D16ertd472e(+148732)	N/A
Chr16	78684200	78684317	Chr16.71702	Chodl(-246689), D16ertd472e(-107602)	N/A
Chr16	78685348	78685448	Chr16.71710	Chodl(-246550), D16ertd472e(-108741)	N/A
Chr16	78730726	78731098	Chr16.71780	Chodl(-300036), D16ertd472e(-154599)	N/A
Chr16	78822672	78822872	Chr16.71855	D16ertd472e(-246115), Chodl(-108176)	N/A
Chr16	78930515	78930733	Chr16.71935	Chodl(-324)	N/A
Chr16	78930782	78930896	Chr16.71940	Chodl(-109)	N/A
Chr16	79126975	79127128	Chr16.72214	Trprss15(-35960)	N/A
Chr16	79172233	79177697	Chr16.72240	Trprss15(-96373)	N/A
Chr16	81201296	81201408	Chr16.73591	Ncam2(+694)	N/A
Chr16	84508087	84508206	Chr16.74044	Nrip1(+227595)	N/A
Chr16	84773473	84773590	Chr16.74205	Jam2(-591)	N/A
Chr16	84834871	84835068	Chr16.74289	Gabpa(-154), Atp5j(+655)	N/A
Chr16	84920015	84920153	Chr16.74355	Atp5j(-84459), App(+253623)	N/A
Chr16	84931192	84931410	Chr16.74363	Atp5j(-845676), App(+242400)	N/A
Chr16	84971827	84971928	Chr16.74398	Atp5j(-136253), App(+201829)	N/A
Chr16	84983534	84983639	Chr16.74418	Atp5j(-147962), App(+190120)	N/A
Chr16	85034994	85035109	Chr16.74483	Atp5j(-199427), App(+138655)	N/A
Chr16	85058462	85058652	Chr16.74515	Atp5j(-222932), App(+115150)	N/A
Chr16	85128299	85128442	Chr16.74571	Atp5j(-292746), App(+45336)	N/A
Chr16	85137425	85137553	Chr16.74577	Atp5j(-301864), App(+36218)	N/A
Chr16	85150996	85151148	Chr16.74592	Atp5j(-315447), App(+22635)	N/A
Chr16	85172065	85172290	Chr16.74609	Atp5j(-336553), App(+1529)	N/A
Chr16	85173689	85173806	Chr16.74618	App(-41)	N/A
Chr16	85247410	85247589	Chr16.74669	App(-73783), Cyrr1(+302927)	N/A
Chr16	85747864	85748123	Chr16.75050	Cyrr1(-197937), Adams1(+55059)	N/A
Chr16	85756277	85756424	Chr16.75054	Cyrr1(-205034), Adams1(+46782)	N/A

Chr16	85762324	85762552	Chr16.75063	Oyyr1(-212021),Adams1(+40675)	N/A
Chr16	85765761	85765949	Chr16.75068	Oyyr1(-215438),Adams1(+37258)	N/A
Chr16	85800877	85801007	Chr16.75188	Oyyr1(-250525),Adams1(+2171)	N/A
Chr16	85841824	85842000	Chr16.75228	Adams1(-387959),Adams5(-58913)	N/A
Chr16	85883719	85883854	Chr16.75359	Adams1(-80674),Adams5(+17338)	N/A
Chr16	85897226	85897343	Chr16.75396	Adams1(-94172),Adams5(+3840)	N/A
Chr16	85897572	85897699	Chr16.75398	Adams1(-94523),Adams5(+3489)	N/A
Chr16	85901014	85901188	Chr16.75423	Adams5(+24)	N/A
Chr16	85926127	85926376	Chr16.75438	Adams5(-25127)	N/A
Chr16	85964791	85964880	Chr16.75479	Adams5(-63716)	N/A
Chr16	85967085	85967260	Chr16.75489	Adams5(-65048)	N/A
Chr16	86007946	86008081	Chr16.75523	Adams5(-106889)	N/A
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Chr16	86516430	86516562	Chr16.75847	N6amt1(-837689),Adams5(-615371)	N/A
Chr16	86659251	86659457	Chr16.75923	Adams5(-738229),N6amt1(-69483)	N/A
Chr16	86694554	86695003	Chr16.75948	Adams5(-793654),N6amt1(-659406)	N/A
Chr16	86766140	86766330	Chr16.75974	Adams5(-865110),N6amt1(-587950)	N/A
Chr16	86816880	86816981	Chr16.75997	Adams5(-915806),N6amt1(-537254)	N/A
Chr16	86817344	86817476	Chr16.76004	Adams5(-916285),N6amt1(-536775)	N/A
Chr16	86839148	86839288	Chr16.76022	Adams5(-938093),N6amt1(-514967)	N/A
Chr16	86884030	86884134	Chr16.76049	Adams5(-962957),N6amt1(-470103)	N/A
Chr16	9994047	9994292	Chr16.76107	Grin2a(+751)	N/A
Chr16	87001236	87001527	Chr16.76157	N6amt1(-352803)	N/A
Chr16	87017242	87017417	Chr16.76174	N6amt1(-336855)	N/A
Chr16	87028534	87029016	Chr16.76187	N6amt1(-325409)	N/A
Chr16	87190514	87190705	Chr16.76309	N6amt1(-163575)	N/A
Chr16	87307336	87307641	Chr16.76393	N6amt1(-46696)	N/A
Chr16	87319917	87320042	Chr16.76409	N6amt1(-34205)	N/A
Chr16	10063585	10063784	Chr16.7646	Rpl39l(-106543),Grin2a(-68764)	N/A
Chr16	87455012	87455112	Chr16.76619	Usp16(+359)	N/A
Chr16	8745568	87455856	Chr16.76622	Usp16(-1073),Ctcf(-40095)	N/A
Chr16	87501603	87501794	Chr16.76733	Map3k7c(-51631),Ctcf(-9626)	N/A
Chr16	87536449	87536582	Chr16.76754	Ctcf(-40643),Map3k7c(-16814)	N/A
Chr16	87539332	87539433	Chr16.76762	Ctcf(-43510),Map3k7c(-13947)	N/A
Chr16	87552970	87553665	Chr16.76775	Map3k7c(-12)	N/A
Chr16	87567516	87567862	Chr16.76805	Bach1(-131256),Map3k7c(+14359)	N/A
Chr16	87558858	87558984	Chr16.76891	Bach1(-40024),Map3k7c(-105591)	N/A
Chr16	87661483	87661668	Chr16.76897	Bach1(-37369),Map3k7c(+108246)	N/A
Chr16	87699525	87699625	Chr16.76915	Bach1(+630)	N/A
Chr16	87700028	87700212	Chr16.76920	2810407a14rik(-83955),Bach1(+1175)	N/A
Chr16	87781218	87781385	Chr16.77037	2810407a14rik(-2773)	N/A
Chr16	87797318	87797465	Chr16.77058	2810407a14rik(+13317),Grik1(+258754)	N/A
Chr16	87824496	87834640	Chr16.77077	2810407a14rik(+50492),Grik1(+221608)	N/A
Chr16	87907996	87908098	Chr16.77152	2810407a14rik(+123972),Grik1(+148129)	N/A
Chr16	87916860	87917059	Chr16.77181	2810407a14rik(+132885),Grik1(+139216)	N/A
Chr16	87938665	87938767	Chr16.77219	Grik1(+117460),2810407a14rik(+154641)	N/A
Chr16	88096564	88096716	Chr16.77424	Grik1(-40464),Cldn17(+140338)	N/A
Chr16	88563250	88563394	Chr16.77486	Cldn8(-139)	N/A
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Chr16	89863286	89863464	Chr16.78407	Krtap11-1(-292192),Tiam1(+111324)	N/A
Chr16	89874534	89874871	Chr16.78445	Krtap11-1(-303520),Tiam1(+99996)	N/A
Chr16	89920653	89920759	Chr16.78552	Krtap11-1(-349523),Tiam1(+53993)	N/A
Chr16	89921382	89921503	Chr16.78555	Krtap11-1(-350260),Tiam1(+53256)	N/A
Chr16	89921558	89921700	Chr16.78557	Krtap11-1(-350449),Tiam1(+53070)	N/A
Chr16	89944805	89945013	Chr16.78573	Krtap11-1(-373726),Tiam1(+29790)	N/A
Chr16	89958103	89958205	Chr16.78588	Krtap11-1(-386971),Tiam1(+16545)	N/A
Chr16	89960724	89960842	Chr16.78591	Krtap11-1(-389600),Tiam1(+13916)	N/A
Chr16	89973887	89973998	Chr16.78597	Tiam1(+756)	N/A
Chr16	89989638	89989698	Chr16.78603	Sod1(-230865),Tiam1(-15179)	N/A
Chr16	90012112	90012297	Chr16.78623	Sod1(-208537),Tiam1(-37506)	N/A
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Chr16	90023675	90023827	Chr16.78656	Sod1(-196991),Tiam1(-49052)	N/A
Chr16	90072977	90073152	Chr16.78671	Sod1(-147677),Tiam1(-98366)	N/A
Chr16	90123083	90123189	Chr16.78693	Tiam1(-148437),Sod1(-97606)	N/A
Chr16	90129008	90129192	Chr16.78698	Tiam1(-154401),Sod1(-91842)	N/A
Chr16	90143834	90144030	Chr16.78716	Tiam1(-169233),Sod1(-76810)	N/A
Chr16	90144182	90144354	Chr16.78723	Tiam1(-169569),Sod1(-76474)	N/A
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Chr16	90363035	90363264	Chr16.78874	ScarH(-78725),Hunk(-23247)	N/A
Chr16	90372503	90372707	Chr16.78878	ScarH(-88150),Hunk(-13752)	N/A
Chr16	90388889	90388915	Chr16.78889	1110008e08rik(-165412),Hunk(+2355)	N/A
Chr16	90402714	90402956	Chr16.78904	1110008e08rik(-151329),Hunk(+16438)	N/A
Chr16	90406450	90406612	Chr16.78908	1110008e08rik(-147633),Hunk(+20134)	N/A
Chr16	90408019	90408135	Chr16.78914	1110008e08rik(-146087),Hunk(+21680)	N/A
Chr16	90459461	90459563	Chr16.78972	1110008e08rik(-94652),Hunk(+73115)	N/A
Chr16	90465379	90465508	Chr16.78994	1110008e08rik(-68721),Hunk(+9087)	N/A
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Chr16	90656632	90656990	Chr16.79086	Mis1ba(+70593),1110008e08rik(+102647)	N/A
Chr16	90851841	90852068	Chr16.79422	Eva1c(+20842),Cfap298(+82872)	N/A
Chr16	90886026	90886142	Chr16.79452	Cfap298(+48743),Eva1c(+54971)	N/A
Chr16	90916080	90916276	Chr16.79491	Cfap298(+18649),Eva1c(+85065)	N/A
Chr16	91059114	91062687	Chr16.79802	4932438h23rik(-46)	N/A
Chr16	91095523	91096664	Chr16.79827	4932438h23rik(-30449),Gm988l(+71807)	N/A
Chr16	91191480	91191640	Chr16.79929	Olig2(-33990),Gm988l(-20159)	N/A
Chr16	91191883	91192150	Chr16.79935	Olig2(-33533),Gm988l(-20616)	N/A
Chr16	91192503	91192697	Chr16.79938	Olig2(-32820),Gm988l(-21329)	N/A
Chr16	91193348	91193593	Chr16.79946	Olig2(-32079),Gm988l(-20270)	N/A
Chr16	91211596	91211772	Chr16.79967	Gm988l(-40283),Olig2(-13666)	N/A
Chr16	91225343	91225512	Chr16.79978	Olig2(-122)	N/A
Chr16	91262660	91262877	Chr16.80032	Olig1(-7000),Olig2(+37219)	N/A
Chr16	91297688	91297826	Chr16.80075	Iifar2(-75026),Olig1(+27988)	N/A
Chr16	91304178	91304366	Chr16.80092	Iifar2(-68511),Olig1(+34503)	N/A
Chr16	91327854	91328020	Chr16.80139	Iifar2(-48448),Olig1(+58168)	N/A
Chr16	91334234	91334357	Chr16.80151	Iifar2(-38467),Olig1(+64527)	N/A
Chr16	91647634	91647888	Chr16.80374	Gart(-859),Son(-68)	N/A
Chr16	10545287	10545448	Chr16.8038	Dex1(-2314),Clec16a(+29)	N/A
Chr16	91728552	91728678	Chr16.80561	Itsn1(-738),Cytb1(+360)	N/A
Chr16	10572791	10572957	Chr16.80658	Clec16a(+27535),Socs1(+212662)	N/A
Chr16	91837367	91837467	Chr16.80629	Atp5a(+94270),Itsn1(-108064)	N/A
Chr16	91870185	91870417	Chr16.80704	Atp5a(+61386),Itsn1(+140948)	N/A
Chr16	92019367	92019602	Chr16.80825	Atp5a(-87798),Mrps6(-38785)	N/A
Chr16	92139259	92139501	Chr16.80917	Kcne2(-153009),Slc5a3(+81058)	N/A
Chr16	92139910	92140082	Chr16.80924	Kcne2(-152393),Slc5a3(+81674)	N/A
Chr16	92142704	92142846	Chr16.80933	Kcne2(-149614),Slc5a3(+94453)	N/A
Chr16	92176307	92176406	Chr16.80947	Kcne2(-116032),Slc5a3(+118035)	N/A
Chr16	92176845	92176945	Chr16.80951	Kcne2(-115494),Slc5a3(+118573)	N/A
Chr16	92200753	92200858	Chr16.80964	Kcne2(-91583),Slc5a3(+142484)	N/A
Chr16	92230867	92230973	Chr16.80994	Kcne2(-61469),Slc5a3(+17298)	N/A
Chr16	92239302	92239455	Chr16.81000	Kcne2(-53070),Slc5a3(+181057)	N/A
Chr16	92247897	92247796	Chr16.81005	Kcne2(-44642),Slc5a3(+189425)	N/A
Chr16	92247835	92248090	Chr16.81008	Kcne2(-44426),Slc5a3(+189641)	N/A
Chr16	92283058	92283160	Chr16.81047	Kcne2(-9280),Slc5a3(+224787)	N/A
Chr16	10620974	10621137	Chr16.81115	Clec16a(+75717),Socs1(+164480)	N/A
Chr16	92400183	92400555	Chr16.81182	Kcne1(-40901),Rcan1(+65777)	N/A
Chr16	924115814	924115954	Chr16.81195	Kcne1(-56416),Rcan1(+50262)	N/A
Chr16	92423593	92423757	Chr16.81203	Kcne1(-64207),Rcan1(+42471)	N/A
Chr16	92443790	92443987	Chr16.81209	Kcne1(-84421),Rcan1(+22257)	N/A
Chr16	92565490	92565623	Chr16.81304	Clic6(+67423),Runx1(+260509)	N/A
Chr16	92581197	92581321	Chr16.81312	Clic6(+83125),Runx1(+244807)	N/A
Chr16	92592229	92592254	Chr16.81314	Clic6(+94243),Runx1(+233689)	N/A
Chr16	92602813	92602913	Chr16.81333	Clic6(+104729),Runx1(+223203)	N/A
Chr16	92609014	92609114	Chr16.81355	Clic6(+110930),Runx1(+217002)	N/A
Chr16	92609256	92609406	Chr16.81357	Clic6(+111197),Runx1(+216735)	N/A
Chr16	92609459	92609826	Chr16.81361	Clic6(+111509),Runx1(+216423)	N/A
Chr16	92610688	92610794	Chr16.81376	Clic6(+112607),Runx1(+215325)	N/A
Chr16	92612867	92613069	Chr16.81386	Clic6(+114684),Runx1(+213048)	N/A
Chr16	92625713	92625883	Chr16.81404	Clic6(+127664),Runx1(+200268)	N/A
Chr16	92627331	92627782	Chr16.81409	Clic6(+129423),Runx1(+198509)	N/A
Chr16	92631056	92631328	Chr16.81416	Clic6(+133058),Runx1(+194874)	N/A
Chr16	92631393	92631500	Chr16.81418	Clic6(+133313),Runx1(+194619)	N/A
Chr16	92633779	92633995	Chr16.81425	Clic6(+135753),Runx1(+192179)	N/A
Chr16	92645638	92645808	Chr16.81438	Clic6(+147589),Runx1(+180349)	N/A
Chr16	92645865	92646011	Chr16.81442	Clic6(+147804),Runx1(+180128)	N/A
Chr16	92646811	92646970	Chr16.81448	Clic6(+148757),Runx1(+179175)	N/A
Chr16	92647130	92647353	Chr16.81453	Clic6(+149108),Runx1(+178824)	N/A
Chr16	92653857	92654116	Chr16.81464	Clic6(+155853),Runx1(+172079)	N/A
Chr16	92686109	92686219	Chr16.81509	Runx1(+138902),Clic6(+188030)	N/A
Chr16	92691475	92691585	Chr16.81535	Runx1(+134536),Clic6(+193396)	N/A

Chr16	92695725	92695826	Chr16.81554	Runx1(+130290),Clic6(+197642)	N/A
Chr16	92696676	92696817	Chr16.81564	Runx1(+129319),Clic6(+198613)	N/A
Chr16	92697233	92697503	Chr16.81571	Runx1(+128698),Clic6(+199234)	N/A
Chr16	92715687	92715774	Chr16.81604	Runx1(+113345),Clic6(+217587)	N/A
Chr16	92719632	92719902	Chr16.81611	Runx1(+106290),Clic6(+221633)	N/A
Chr16	92730731	92730920	Chr16.81628	Runx1(+95240),Clic6(+232692)	N/A
Chr16	92739192	92739347	Chr16.81641	Runx1(+86796),Clic6(+241136)	N/A
Chr16	92744350	92744471	Chr16.81649	Runx1(+81655),Clic6(+246277)	N/A
Chr16	92745875	92745976	Chr16.81658	Runx1(+80150),Clic6(+247782)	N/A
Chr16	92753755	92754145	Chr16.81663	Runx1(+72116),Clic6(+255816)	N/A
Chr16	92762274	92762411	Chr16.81690	Runx1(+63723),Clic6(+264209)	N/A
Chr16	92767490	92767698	Chr16.81697	Runx1(+58472),Clic6(+269460)	N/A
Chr16	92773523	92773835	Chr16.81705	Runx1(+52387),Clic6(+275545)	N/A
Chr16	10656513	10656626	Chr16.81711	Clec16a(+111231),Socs1(+129896)	N/A
Chr16	92785217	92785141	Chr16.81729	Runx1(+40882),Clic6(+286982)	N/A
Chr16	92786463	92786625	Chr16.81740	Runx1(+39522),Clic6(+288410)	N/A
Chr16	92794259	92794386	Chr16.81761	Runx1(+31743),Clic6(+296189)	N/A
Chr16	92801625	92801728	Chr16.81768	Runx1(+24389),Clic6(+303543)	N/A
Chr16	10660902	10661015	Chr16.81779	Clec16a(+115620),Socs1(+124577)	N/A
Chr16	92833068	92833124	Chr16.81816	Runx1(+5025),Setd4(+772729)	N/A
Chr16	92836599	92836661	Chr16.81824	Runx1(+10474),Setd4(+787335)	N/A
Chr16	92845439	92846022	Chr16.81838	Runx1(+19665),Setd4(+758084)	N/A
Chr16	92891634	92891801	Chr16.81867	Runx1(+65652),Setd4(+712097)	N/A
Chr16	92898702	92898993	Chr16.81878	Runx1(+72782),Setd4(+704967)	N/A
Chr16	10668904	10669020	Chr16.8191	Socs1(+116574),Clec16a(+123623)	N/A
Chr16	10669112	10669231	Chr16.8193	Socs1(+116364),Clec16a(+123533)	N/A
Chr16	92939556	92939698	Chr16.81940	Runx1(+113561),Setd4(+664188)	N/A
Chr16	92939730	92940004	Chr16.81944	Runx1(+113801),Setd4(+663948)	N/A
Chr16	92952480	92952602	Chr16.81965	Runx1(+126475),Setd4(+651274)	N/A
Chr16	92954049	92954196	Chr16.81973	Runx1(+128058),Setd4(+649691)	N/A
Chr16	92954397	92954526	Chr16.81977	Runx1(+128396),Setd4(+649353)	N/A
Chr16	92960966	92961091	Chr16.81996	Runx1(+134963),Setd4(+642796)	N/A
Chr16	92985719	92985921	Chr16.82025	Runx1(+159754),Setd4(+617995)	N/A
Chr16	93006478	93006734	Chr16.82043	Runx1(+180540),Setd4(+597209)	N/A
Chr16	93008817	93009697	Chr16.82051	Runx1(+180826),Setd4(+596923)	N/A
Chr16	93042938	93043271	Chr16.82086	Runx1(+21739),Setd4(+580710)	N/A
Chr16	93054525	93054957	Chr16.82097	Runx1(+22867),Setd4(+549034)	N/A
Chr16	93072146	93072315	Chr16.82122	Runx1(+246165),Setd4(+531584)	N/A
Chr16	93075475	93075681	Chr16.82125	Runx1(+249512),Setd4(+528237)	N/A
Chr16	93079621	93079857	Chr16.82131	Runx1(+253673),Setd4(+524076)	N/A
Chr16	93092867	93093167	Chr16.82144	Runx1(+266951),Setd4(+510798)	N/A
Chr16	93096941	93097119	Chr16.82152	Runx1(+270964),Setd4(+506785)	N/A
Chr16	93102105	93102273	Chr16.82159	Runx1(+276123),Setd4(+501626)	N/A
Chr16	93106842	93107028	Chr16.82161	Runx1(+280689),Setd4(+496880)	N/A
Chr16	93125406	93125571	Chr16.82184	Runx1(+299423),Setd4(+478326)	N/A
Chr16	93132270	93132391	Chr16.82192	Runx1(+306265),Setd4(+471484)	N/A
Chr16	93138725	93138827	Chr16.82198	Runx1(+312710),Setd4(+465039)	N/A
Chr16	93138966	93138991	Chr16.82201	Runx1(+312683),Setd4(+464895)	N/A
Chr16	93140624	93140736	Chr16.82205	Runx1(+314614),Setd4(+463135)	N/A
Chr16	93153743	93153898	Chr16.82221	Runx1(+327755),Setd4(+449994)	N/A
Chr16	93246875	93247225	Chr16.82328	Runx1(+420984),Setd4(+356765)	N/A
Chr16	93265793	93265923	Chr16.82349	Runx1(+439792),Setd4(+337957)	N/A
Chr16	93272275	93272423	Chr16.82360	Runx1(+446283),Setd4(+331466)	N/A
Chr16	93286881	93287158	Chr16.82398	Runx1(+460954),Setd4(+316795)	N/A
Chr16	93293230	93292563	Chr16.82404	Runx1(+466378),Setd4(+311373)	N/A
Chr16	93328851	93328980	Chr16.82443	Runx1(+502850),Setd4(+274899)	N/A
Chr16	93368105	93368389	Chr16.82481	Runx1(+542181),Setd4(+235568)	N/A
Chr16	93369003	93369114	Chr16.82486	Runx1(+542993),Setd4(+234756)	N/A
Chr16	93369192	93369321	Chr16.82490	Runx1(+543191),Setd4(+234558)	N/A
Chr16	93369405	93369542	Chr16.82492	Runx1(+543408),Setd4(+234341)	N/A
Chr16	93711755	10711986	Chr16.8250	Socs1(+73665),Clec16a(+166532)	N/A
Chr16	93381460	93381568	Chr16.82501	Runx1(+555448),Setd4(+222301)	N/A
Chr16	93381699	93382023	Chr16.82503	Runx1(+555795),Setd4(+221954)	N/A
Chr16	93387717	93387968	Chr16.82509	Runx1(+561775),Setd4(+215974)	N/A
Chr16	93713348	10713538	Chr16.8251	Socs1(+72093),Clec16a(+168194)	N/A
Chr16	93716826	10716936	Chr16.8253	Socs1(+68655),Clec16a(+171542)	N/A
Chr16	93409567	93409830	Chr16.82530	Runx1(+583633),Setd4(+194116)	N/A
Chr16	93433083	93434099	Chr16.82546	Runx1(+604375),Setd4(+173374)	N/A
Chr16	93443200	93443558	Chr16.82552	Runx1(+617313),Setd4(+160436)	N/A
Chr16	93450440	93450281	Chr16.82565	Runx1(+624595),Setd4(+153654)	N/A
Chr16	93457015	93457337	Chr16.82575	Runx1(+631110),Setd4(+146639)	N/A
Chr16	93462070	93462242	Chr16.82581	Runx1(+636900),Setd4(+141659)	N/A
Chr16	93462272	93462438	Chr16.82584	Runx1(+636289),Setd4(+141460)	N/A
Chr16	93463538	93463643	Chr16.82586	Runx1(+637525),Setd4(+140224)	N/A
Chr16	93487440	93487585	Chr16.82617	Runx1(+661447),Setd4(+116302)	N/A
Chr16	93493967	93493806	Chr16.82620	Runx1(+667671),Setd4(+110078)	N/A
Chr16	93514570	93514799	Chr16.82630	Runx1(+688619),Setd4(+89130)	N/A
Chr16	93558002	93558495	Chr16.82664	Runx1(+732183),Setd4(+45566)	N/A
Chr16	93574540	93574806	Chr16.82675	Runx1(+748607),Setd4(+29142)	N/A
Chr16	10738344	10738524	Chr16.8292	Socs1(+47102),Clec16a(+193095)	N/A
Chr16	10772259	10772474	Chr16.8311	Socs1(+13169),Clec16a(+227028)	N/A
Chr16	10782040	10782148	Chr16.8318	Socs1(+3442),Clec16a(+236755)	N/A
Chr16	10783842	10784046	Chr16.8323	Socs1(+1592),Clec16a(+23805)	N/A
Chr16	93936257	93936404	Chr16.83300	Chaf1b(+52430),Cldn14(+72506)	N/A
Chr16	93942171	93942387	Chr16.83301	Chaf1b(+58378),Cldn14(+66558)	N/A
Chr16	93973239	93973443	Chr16.83344	Cldn14(+35496),Chaf1b(+89440)	N/A
Chr16	93981512	93981683	Chr16.83351	Cldn14(+27239),Chaf1b(+9787)	N/A
Chr16	93983653	93983767	Chr16.83356	Cldn14(+25127),Chaf1b(+99809)	N/A
Chr16	93994250	93994369	Chr16.83367	Cldn14(+14527),Chaf1b(+110409)	N/A
Chr16	94023720	94023846	Chr16.83389	Sim2(+61477),Cldn14(+14946)	N/A
Chr16	94027746	94027863	Chr16.83395	Sim2(+57455),Cldn14(+18968)	N/A
Chr16	94034372	94034508	Chr16.83402	Sim2(+58020),Cldn14(+25603)	N/A
Chr16	94059962	94060137	Chr16.83450	Cldn14(+51213),Sim2(+25510)	N/A
Chr16	94143476	94143623	Chr16.83609	Sim2(+582200),Hlcs(+170013)	N/A
Chr16	94143661	94143818	Chr16.83612	Sim2(+58480),Hlcs(+169823)	N/A
Chr16	94164380	94164723	Chr16.83643	Sim2(+79292),Hlcs(+149011)	N/A
Chr16	94179172	94180000	Chr16.83661	Sim2(+94326),Hlcs(+133977)	N/A
Chr16	94197871	94198162	Chr16.83685	Sim2(+12807),Hlcs(+115498)	N/A
Chr16	94205055	94205256	Chr16.83699	Hlcs(+108407),Sim2(+119986)	N/A
Chr16	94217601	94217796	Chr16.83715	Hlcs(+95864),Sim2(+132439)	N/A
Chr16	94227568	94227854	Chr16.83725	Hlcs(+85852),Sim2(+142451)	N/A
Chr16	94250213	94250339	Chr16.83753	Hlcs(+63287),Sim2(+165016)	N/A
Chr16	94254616	94254784	Chr16.83757	Hlcs(+58863),Sim2(+169440)	N/A
Chr16	94265039	94265258	Chr16.83779	Hlcs(+48414),Sim2(+179899)	N/A
Chr16	10850375	10850486	Chr16.8379	Rmi2(+15372),Lita(+142690)	N/A
Chr16	94357066	94357168	Chr16.83865	Ttc3(+13501),Ripply3(+28697)	N/A
Chr16	94472456	94472614	Chr16.84030	Pigg(+101520),Vps26c(+54295)	N/A
Chr16	94535923	94536049	Chr16.84085	Dyrk1a(+34024),Vps26c(+9156)	N/A
Chr16	94544613	94544728	Chr16.84090	Dyrk1a(+25399),Vps26c(+17841)	N/A
Chr16	94629795	94629937	Chr16.84149	Dyrk1a(+122856),Kcnj6(+304630)	N/A
Chr16	94693854	94694104	Chr16.84155	Dyrk1a(+123969),Kcnj6(+303717)	N/A
Chr16	94694387	94694565	Chr16.84164	Dyrk1a(+124466),Kcnj6(+303220)	N/A
Chr16	94694602	94694883	Chr16.84168	Dyrk1a(+124733),Kcnj6(+302953)	N/A
Chr16	94719059	94719169	Chr16.84176	Dyrk1a(+149104),Kcnj6(+278582)	N/A
Chr16	10902217	10902377	Chr16.8421	Rmi2(+67238),Lita(+96264)	N/A
Chr16	94827139	94827508	Chr16.84220	Kcnj6(+170372),Dyrk1a(+257314)	N/A
Chr16	10905248	10905358	Chr16.8424	Rmi2(+70244),Lita(+87818)	N/A
Chr16	94850626	94850733	Chr16.84261	Kcnj6(+147016),Dyrk1a(+280670)	N/A
Chr16	95222302	95222402	Chr16.84404	Kcnj6(+22466),Kcnj15(+35206)	N/A
Chr16	95238629	95238971	Chr16.84412	Kcnj6(+242204),Kcnj15(+17658)	N/A
Chr16	95241086	95241258	Chr16.84418	Kcnj6(+243475),Kcnj15(+16387)	N/A
Chr16	95241642	95241880	Chr16.84422	Kcnj6(+244065),Kcnj15(+15797)	N/A
Chr16	95258492	95258637	Chr16.84441	Kcnj15(+1007),Erg(+271800)	N/A
Chr16	95284594	95285021	Chr16.84470	Kcnj15(+27250),Erg(+245557)	N/A
Chr16	95303825	95303924	Chr16.84538	Kcnj15(+46317),Erg(+226490)	N/A
Chr16	95303955	95303975	Chr16.84554	Kcnj15(+101857),Erg(+170959)	N/A
Chr16	95361971	95362118	Chr16.84579	Kcnj15(+104487),Erg(+168320)	N/A
Chr16	10922397	10922521	Chr16.8459	Lita(+70662),Rmi2(+87400)	N/A
Chr16	10923153	10923316	Chr16.8461	Lita(+69886),Rmi2(+88176)	N/A
Chr16	95399026	95399178	Chr16.84636	Erg(+131263),Kcnj15(+141544)	N/A
Chr16	95410211	95410378	Chr16.84658	Erg(+120070),Kcnj15(+152737)	N/A
Chr16	95422947	95422994	Chr16.84674	Erg(+107444),Kcnj15(+163363)	N/A
Chr16	95439275	95439566	Chr16.84684	Erg(+90944),Kcnj15(+181863)	N/A
Chr16	95448802	95448939	Chr16.84691	Erg(+81494),Kcnj15(+191313)	N/A
Chr16	95463930	95464043	Chr16.84728	Erg(+66378),Kcnj15(+206429)	N/A
Chr16	95469561	95469808	Chr16.84738	Erg(+60680),Kcnj15(+212127)	N/A
Chr16	95469892	95470044	Chr16.84741	Erg(+60397),Kcnj15(+212410)	N/A
Chr16	95573420	95573544	Chr16.84803	Ets2(+128593),Erg(+43117)	N/A

Chr16	10959443	10959597	Chr16.8482	Lita1(+33601),Rmi2(+124461)	N/A
Chr16	95582780	95582911	Chr16.84832	Ets2(-119229),Erg(-52481)	N/A
Chr16	95586702	95587003	Chr16.84830	Ets2(-119222),Erg(-56488)	N/A
Chr16	95587187	95587316	Chr16.84832	Ets2(-114823),Erg(-56887)	N/A
Chr16	95597838	95598011	Chr16.84857	Ets2(-104150),Erg(-67560)	N/A
Chr16	95602425	95602846	Chr16.84860	Ets2(-99439),Erg(-72271)	N/A
Chr16	95618151	95618483	Chr16.84874	Erg(-87952),Ets2(-83758)	N/A
Chr16	95621918	95622114	Chr16.84882	Erg(-91651),Ets2(-80059)	N/A
Chr16	95643366	95643469	Chr16.84893	Erg(-113038),Ets2(-58672)	N/A
Chr16	95703871	95704069	Chr16.84927	Ets2(+1889),Psmg1(+286990)	N/A
Chr16	95708753	95708854	Chr16.84931	Ets2(+6729),Psmg1(+282156)	N/A
Chr16	95720144	95720285	Chr16.84990	Ets2(+18140),Psmg1(+270745)	N/A
Chr16	95741482	95741606	Chr16.84999	Ets2(+39469),Psmg1(+249416)	N/A
Chr16	95835074	95835178	Chr16.85025	Ets2(+133051),Psmg1(+155834)	N/A
Chr16	95844960	95844960	Chr16.85028	Ets2(+142835),Psmg1(+1460350)	N/A
Chr16	95922548	95922772	Chr16.85039	Psmg1(+68300),Ets2(+220589)	N/A
Chr16	95945890	95946020	Chr16.85048	Psmg1(+45005),Ets2(+243880)	N/A
Chr16	11063432	11063603	Chr16.8513	Snn(-2780)	N/A
Chr16	96200386	96200515	Chr16.85294	Sh3ogr(-19)	N/A
Chr16	11072762	11072943	Chr16.85330	Snn(+6555),Txcnd11(+61797)	N/A
Chr16	11073236	11073351	Chr16.85332	Snn(+6996),Txcnd11(+61356)	N/A
Chr16	96467588	96467708	Chr16.85385	Pcp4(+42)	N/A
Chr16	96620447	96620554	Chr16.85503	Pcp4(+152895),Dscam(+550251)	N/A
Chr16	96945820	96946226	Chr16.85739	Dscam(+224729),Pcp4(+478417)	N/A
Chr16	97021322	97021453	Chr16.85779	Dscam(+149364),Ets2(+553782)	N/A
Chr16	97169929	97170030	Chr16.85855	Dscam(+772)	N/A
Chr16	11137121	11137291	Chr16.8633	Txcnd1(-2556)	N/A
Chr16	97851769	97851886	Chr16.86397	Pdm15(-601)	N/A
Chr16	97962241	97962353	Chr16.86586	Zbtb21(+324)	N/A
Chr16	97962488	97962708	Chr16.86591	Zbtb21(+23)	N/A
Chr16	11216249	11216346	Chr16.8759	Rai1(-13568),Gsp11(+34910)	N/A
Chr16	11254189	11254323	Chr16.8785	Gsp11(-47)	N/A
Chr16	11254373	11254498	Chr16.8798	Gsp11(-227)	N/A
Chr16	4160688	4160797	Chr16.881	Trap1(-82916),Crebbp(+52661)	N/A
Chr16	11461575	11461863	Chr16.8923	Gm9961(-439644),Srx29(+56071)	N/A
Chr16	11521238	11521356	Chr16.8942	Gm9961(-380066),Srx29(+115649)	N/A
Chr16	11527129	11527276	Chr16.8945	Gm9961(-374160),Srx29(+1211555)	N/A
Chr16	11638258	11638420	Chr16.8996	Gm9961(-263024),Srx29(+232691)	N/A
Chr16	11671010	11671124	Chr16.9010	Gm9961(-230296),Srx29(+265419)	N/A
Chr16	11703433	11703576	Chr16.9020	Gm9961(-197858),Srx29(+297857)	N/A
Chr16	118715017	11875146	Chr16.9151	Gm9961(-26281),Srx29(+469434)	N/A
Chr16	12076570	12076765	Chr16.9324	Shisa9(+92087),Gm6327(+684752)	N/A
Chr16	12307850	12307993	Chr16.9834	Shisa9(-323341),Gm6327(+453495)	N/A
Chr16	12619636	12619735	Chr16.9674	Gm6327(+141734),Shisa9(+635105)	N/A
Chr16	12800360	12800658	Chr16.9797	Ercc4(-309175),Gm6327(-39089)	N/A
Chr16	12887595	12887804	Chr16.9877	Ercc4(-221984),Gm6327(-126280)	N/A
Chr16	12956540	12956730	Chr16.9942	Gm6327(-195215),Ercc4(-153049)	N/A
Chr16	13040573	13040732	Chr16.9971	Gm6327(-29233),Ercc4(-69031)	N/A
Chr17	15874797	15874949	Chr17.10003	Rgmb(-48287)	N/A
Chr17	15942535	15942752	Chr17.10091	Rgmb(-116058)	N/A
Chr17	15970709	15970857	Chr17.10118	Rgmb(-144197)	N/A
Chr17	15977588	15977785	Chr17.10126	Bc002059(-995223),Rgmb(-151101)	N/A
Chr17	15990418	15990556	Chr17.10137	Bc002059(-982423),Rgmb(-163901)	N/A
Chr17	15993450	15993841	Chr17.10141	Bc002059(-978264),Rgmb(-167050)	N/A
Chr17	15993923	15994207	Chr17.10144	Bc002059(-978845),Rgmb(-167479)	N/A
Chr17	16004950	16005114	Chr17.10163	Bc002059(-967878),Rgmb(-178446)	N/A
Chr17	16051810	16052001	Chr17.10193	Bc002059(-921004),Rgmb(-225320)	N/A
Chr17	16054527	16054803	Chr17.10201	Bc002059(-918245),Rgmb(-228079)	N/A
Chr17	16157918	16158071	Chr17.10252	Bc002059(-814915),Rgmb(-331409)	N/A
Chr17	16177167	16177525	Chr17.10265	Bc002059(-785564),Rgmb(-350760)	N/A
Chr17	16339802	16339977	Chr17.10355	Bc002059(-633020),Rgmb(-513304)	N/A
Chr17	16343633	16343734	Chr17.10362	Bc002059(-629226),Rgmb(-517098)	N/A
Chr17	16344231	16344471	Chr17.10368	Bc002059(-628559),Rgmb(-517765)	N/A
Chr17	17402619	17403045	Chr17.10690	Lix1(+160)	N/A
Chr17	17403862	17403244	Chr17.10692	Lix1(+4891)	N/A
Chr17	17403617	17403815	Chr17.10698	Lix1(+1044),Lnpep(+220773)	N/A
Chr17	17403861	17404000	Chr17.10700	Lix1(+1259),Lnpep(+220558)	N/A
Chr17	17404173	17404277	Chr17.10703	Lix1(+1553),Lnpep(+220264)	N/A
Chr17	17409681	17409792	Chr17.10722	Lix1(+7065),Lnpep(+214752)	N/A
Chr17	17426039	17426210	Chr17.10745	Lix1(+23453),Lnpep(+198364)	N/A
Chr17	17433836	17433801	Chr17.10758	Lix1(+31047),Lnpep(+190770)	N/A
Chr17	17438479	17438701	Chr17.10774	Lix1(+35918),Lnpep(+185899)	N/A
Chr17	17438741	17438873	Chr17.10778	Lix1(+36135),Lnpep(+185682)	N/A
Chr17	17438920	17439083	Chr17.10782	Lix1(+36330),Lnpep(+185487)	N/A
Chr17	17441456	17441802	Chr17.10790	Lix1(+38957),Lnpep(+182860)	N/A
Chr17	17442203	17442306	Chr17.10797	Lix1(+38583),Lnpep(+182234)	N/A
Chr17	17442350	17442466	Chr17.10799	Lix1(+39736),Lnpep(+182081)	N/A
Chr17	17444967	17445318	Chr17.10810	Lix1(+42471),Lnpep(+179346)	N/A
Chr17	17449205	17449460	Chr17.10819	Lix1(+46661),Lnpep(+175156)	N/A
Chr17	17485138	17485409	Chr17.10856	Lix1(+82602),Lnpep(+139215)	N/A
Chr17	17487191	17487318	Chr17.10866	Lix1(+84583),Lnpep(+137234)	N/A
Chr17	17491109	17491240	Chr17.10871	Lix1(+88503),Lnpep(+133314)	N/A
Chr17	17623163	17623266	Chr17.11045	Lnpep(+1274),Lix1(+220543)	N/A
Chr17	17624452	17624555	Chr17.11050	Lnpep(-15)	N/A
Chr17	17626557	17626691	Chr17.11053	Lnpep(-2135)	N/A
Chr17	17828267	17828397	Chr17.11080	Spaca6(-2672)	N/A
Chr17	17830137	17830280	Chr17.11082	Spaca6(-795)	N/A
Chr17	17830338	17830445	Chr17.11084	Spaca6(-612)	N/A
Chr17	23674344	23674461	Chr17.11597	Cldn6(-4962),Thoc6(-561),Hcfc1r1(+795)	N/A
Chr17	23675289	23675411	Chr17.11607	Cldn6(-4015),Thoc6(-1508)	N/A
Chr17	23675731	23675861	Chr17.11612	Cldn6(-3569),Thoc6(-1954)	N/A
Chr17	23676851	23676964	Chr17.11621	Thoc6(-3068),Cldn6(-2457),Tnfrsf12a(+541)	N/A
Chr17	3280454	3280517	Chr17.118	Tiam2(-46037),Scab(-165564)	N/A
Chr17	23803127	23803288	Chr17.11854	Srm2(+21)	N/A
Chr17	23822314	23822424	Chr17.11975	Elob(+6740),Srm2(+19182)	N/A
Chr17	23823609	23823729	Chr17.11981	Elob(+5440),Srm2(+20482)	N/A
Chr17	3282015	3282243	Chr17.121	Tiam2(-44444),Scab(-167157)	N/A
Chr17	24073861	24074082	Chr17.12235	Kctd5(-397)	N/A
Chr17	24078738	24078896	Chr17.12245	Kctd5(-6332),Pdpl(+62778)	N/A
Chr17	24495133	24495251	Chr17.13350	Caskin1(+6409),Traff(+32746)	N/A
Chr17	24495568	24495722	Chr17.13354	Caskin1(+6862),Traff(+32293)	N/A
Chr17	4174231	4174367	Chr17.1344	And1b(-820775),Nax3(-478038)	N/A
Chr17	4175015	4175413	Chr17.1347	And1b(-819860),Nax3(-478953)	N/A
Chr17	4177220	4177334	Chr17.1350	And1b(-817797),Nax3(-481016)	N/A
Chr17	4177455	4177763	Chr17.1353	And1b(-817465),Nax3(-481348)	N/A
Chr17	24515011	24515138	Chr17.13559	Traff(+12863),Caskin1(+26292)	N/A
Chr17	24559213	24559399	Chr17.13617	Pkd1(+9356),Tsc2(+73323)	N/A
Chr17	4216724	4216849	Chr17.1388	And1b(-778287),Nax3(-520526)	N/A
Chr17	3331851	3331967	Chr17.140	Cldn20(-200645),Tiam2(+5336)	N/A
Chr17	4227383	4227484	Chr17.1410	And1b(-767640),Nax3(-531173)	N/A
Chr17	24595723	24595903	Chr17.14204	Tsc2(+36816),Pkd1(+45863)	N/A
Chr17	24601384	24601517	Chr17.14272	Tsc2(+31178),Pkd1(+51501)	N/A
Chr17	24606217	24606373	Chr17.14308	Tsc2(+26334),Pkd1(+56345)	N/A
Chr17	3337052	3337411	Chr17.144	Cldn20(-193328),Tiam2(+10659)	N/A
Chr17	4286061	4286219	Chr17.1448	And1b(-72834),Nax3(-569879)	N/A
Chr17	4277098	4277308	Chr17.1463	And1b(-717871),Nax3(-580942)	N/A
Chr17	24719678	24719797	Chr17.14767	Rnf151(-1681),Rps2(-372)	N/A
Chr17	24727778	24727895	Chr17.14807	Ndufb10(-3359),Rpl3(+17)	N/A
Chr17	24739496	24739649	Chr17.14864	Hs3at6(-13430),Msr1(+2891)	N/A
Chr17	24761574	24761478	Chr17.14906	Msr1(-42955),Hs3at6(+8424)	N/A
Chr17	3338999	3339119	Chr17.151	Cldn20(-93495),Tiam2(+12486)	N/A
Chr17	4311915	4312133	Chr17.1512	And1b(-683050),Nax3(-615763)	N/A
Chr17	4331675	4331789	Chr17.1540	And1b(-663342),Nax3(-635471)	N/A
Chr17	4331970	4332108	Chr17.1544	And1b(-663035),Nax3(-635778)	N/A
Chr17	4335274	4335381	Chr17.1554	Nax3(-657067),And1b(-641746)	N/A
Chr17	4336467	4336611	Chr17.1568	Nax3(-664672),And1b(-634535)	N/A
Chr17	25064559	25064692	Chr17.15680	Tnm204(+15555),It140(+48235)	N/A
Chr17	25067495	25067726	Chr17.15684	Tnm204(+13570),It140(+51220)	N/A
Chr17	4360879	4360979	Chr17.1570	Nax3(-664668),And1b(-634145)	N/A
Chr17	25081176	25081306	Chr17.15709	Tnm204(-60)	N/A
Chr17	25172946	25173110	Chr17.16114	Bc003965(-11533),Cdc154(+10567)	N/A
Chr17	25175605	25175816	Chr17.16129	Bc003965(-8850),Cdc154(+13250)	N/A
Chr17	4434319	4434469	Chr17.1645	Nax3(-738223),And1b(-560590)	N/A
Chr17	4472868	4472984	Chr17.1657	Nax3(-776665),And1b(-522148)	N/A
Chr17	25419133	25419246	Chr17.16776	Cacna1h(+14593),Tpsg1(+48606)	N/A
Chr17	25430166	25430283	Chr17.16778	Cacna1h(+3558),Tpsg1(+59641)	N/A
Chr17	25510584	25510684	Chr17.16892	Sstr5(-13326),Sxv8(+40072)	N/A
Chr17	25539800	25539961	Chr17.16899	Sstr5(-42623),Sxv8(+30775)	N/A

Chr17	25575600	25575705	Chr17.16963	<i>Sox8</i> (-4967), <i>Lmf1</i> (-3524)	N/A
Chr17	25593931	25594091	Chr17.16997	<i>Gng13</i> (-123160), <i>Lmf1</i> (+14834)	N/A
Chr17	4498348	4498606	Chr17.1700	<i>Nov3</i> (-802218), <i>And1b</i> (-496597)	N/A
Chr17	25604193	25604303	Chr17.17002	<i>Gng13</i> (-123923), <i>Lmf1</i> (+25071)	N/A
Chr17	25626496	25626734	Chr17.17021	<i>Gng13</i> (-90556), <i>Lmf1</i> (+47438)	N/A
Chr17	25803168	25803341	Chr17.17500	<i>Metm</i> (-6210), <i>Fbx16</i> (-5830)	N/A
Chr17	25819976	25820088	Chr17.17541	<i>Wdr24</i> (-3595)	N/A
Chr17	25820649	25820794	Chr17.17547	<i>Wdr24</i> (-2905)	N/A
Chr17	4556307	4556421	Chr17.1757	<i>Nox3</i> (-860103), <i>Arid1b</i> (-438710)	N/A
Chr17	4574002	4574119	Chr17.1789	<i>Nox3</i> (-877800), <i>Arid1b</i> (-421013)	N/A
Chr17	3396753	3397253	Chr17.180	<i>Cldn20</i> (-135551), <i>Tiam2</i> (+70430)	N/A
Chr17	25943934	25944110	Chr17.18260	<i>Piga</i> (-1974), <i>Nhr4</i> (+910)	N/A
Chr17	25956355	25956473	Chr17.18306	<i>A930017k11nk</i> (-3849)	N/A
Chr17	25957684	25957794	Chr17.18309	<i>A930017k11nk</i> (-5174), <i>Capn15</i> (+27941)	N/A
Chr17	259586524	259586524	Chr17.18310	<i>A930017k11nk</i> (-5881), <i>Capn15</i> (+27234)	N/A
Chr17	26075244	26075372	Chr17.18509	<i>Rab11fp3</i> (-6131), <i>Decr2</i> (+14592)	N/A
Chr17	26137174	26137359	Chr17.18713	<i>Axin1</i> (-1421)	N/A
Chr17	3398061	3398173	Chr17.190	<i>Cldn20</i> (-134437), <i>Tiam2</i> (+71544)	N/A
Chr17	26253635	26254067	Chr17.19045	<i>Luc7</i> (+900)	N/A
Chr17	26254253	26254507	Chr17.19059	<i>Neurl1b</i> (-180865), <i>Luc7</i> (+1429)	N/A
Chr17	26389024	26381076	Chr17.19103	<i>Neurl1b</i> (-33965), <i>Luc7</i> (+128049)	N/A
Chr17	26405584	26405686	Chr17.19106	<i>Neurl1b</i> (-9330), <i>Luc7</i> (+152664)	N/A
Chr17	26485151	26485279	Chr17.19182	<i>Dusp1</i> (+23304), <i>Neurl1b</i> (+70250)	N/A
Chr17	26503133	26503254	Chr17.19203	<i>Dusp1</i> (+5325), <i>Neurl1b</i> (+88229)	N/A
Chr17	26504114	26504248	Chr17.19205	<i>Dusp1</i> (+4339), <i>Neurl1b</i> (+89215)	N/A
Chr17	26505572	26505720	Chr17.19210	<i>Dusp1</i> (+2873), <i>Neurl1b</i> (+90681)	N/A
Chr17	26533887	26534094	Chr17.19264	<i>Dusp1</i> (-25472), <i>Gm8225</i> (-6769)	N/A
Chr17	26584540	26584644	Chr17.19283	<i>Atp6v0e</i> (-91820), <i>Ergic1</i> (+23103)	N/A
Chr17	26592604	26592729	Chr17.19286	<i>Atp6v0e</i> (-83745), <i>Ergic1</i> (+31178)	N/A
Chr17	26596230	26596406	Chr17.19290	<i>Atp6v0e</i> (-80094), <i>Ergic1</i> (+34829)	N/A
Chr17	26602572	26602712	Chr17.19294	<i>Atp6v0e</i> (-73770), <i>Ergic1</i> (+41153)	N/A
Chr17	3404310	3404409	Chr17.193	<i>Cldn20</i> (-125194), <i>Tiam2</i> (+77787)	N/A
Chr17	26663236	26663393	Chr17.19369	<i>Atp6v0e</i> (-13097), <i>Ergic1</i> (+101826)	N/A
Chr17	26665632	26665768	Chr17.19372	<i>Atp6v0e</i> (-10712), <i>Ergic1</i> (+104211)	N/A
Chr17	26691269	26691404	Chr17.19386	<i>Crebfrf</i> (-24313), <i>Atp6v0e</i> (+49425)	N/A
Chr17	26715635	26715761	Chr17.19413	<i>Crebfrf</i> (+48)	N/A
Chr17	26716197	26716310	Chr17.19415	<i>Crebfrf</i> (-404)	N/A
Chr17	26716351	26716562	Chr17.19418	<i>Crebfrf</i> (+807)	N/A
Chr17	26716615	26716975	Chr17.19421	<i>Bnip1</i> (-64284), <i>Crebfrf</i> (+1145)	N/A
Chr17	26774642	26774825	Chr17.19489	<i>Bnip1</i> (-6345), <i>Crebfrf</i> (+59084)	N/A
Chr17	26794590	26794713	Chr17.19531	<i>Bnip1</i> (+13573), <i>Nkx2-5</i> (+46913)	N/A
Chr17	26844210	26844404	Chr17.19581	<i>Nkx2-5</i> (-2862)	N/A
Chr17	26850778	26851028	Chr17.19585	<i>Klf5b</i> (-66187), <i>Nkx2-5</i> (-9339)	N/A
Chr17	26874563	26874741	Chr17.19599	<i>Klf5b</i> (-42439), <i>Nkx2-5</i> (-33067)	N/A
Chr17	26892935	26893099	Chr17.19607	<i>Nkx2-5</i> (-51452), <i>Klf5b</i> (-24074)	N/A
Chr17	26933671	26933807	Chr17.19655	<i>Phf1</i> (+612)	N/A
Chr17	26940239	26940353	Chr17.19726	<i>Syngap1</i> (-1156), <i>Ctcf</i> (-828)	N/A
Chr17	26941692	26941743	Chr17.19730	<i>Ctcf</i> (-2055), <i>Syngap1</i> (+221)	N/A
Chr17	26946181	26946293	Chr17.19736	<i>Zbtb9</i> (-26930), <i>Syngap1</i> (+4785)	N/A
Chr17	26947413	26947518	Chr17.19742	<i>Zbtb9</i> (-25701), <i>Syngap1</i> (+6014)	N/A
Chr17	26949440	26949553	Chr17.19743	<i>Zbtb9</i> (-23670), <i>Syngap1</i> (+8045)	N/A
Chr17	26950145	26950390	Chr17.19747	<i>Zbtb9</i> (-22899), <i>Syngap1</i> (+8816)	N/A
Chr17	26951514	26951756	Chr17.19760	<i>Zbtb9</i> (-21532), <i>Syngap1</i> (+10183)	N/A
Chr17	26952293	26952470	Chr17.19767	<i>Zbtb9</i> (-20785), <i>Syngap1</i> (+10930)	N/A
Chr17	26953899	26954019	Chr17.19776	<i>Zbtb9</i> (-19208), <i>Syngap1</i> (+12507)	N/A
Chr17	26967648	26967781	Chr17.19844	<i>Zbtb9</i> (-5452), <i>Syngap1</i> (+26263)	N/A
Chr17	26968649	26968866	Chr17.19845	<i>Ggnbp1</i> (-4459), <i>Zbtb9</i> (-4409)	N/A
Chr17	26970839	26971377	Chr17.19855	<i>Ggnbp1</i> (-2109), <i>Zbtb9</i> (-2059)	N/A
Chr17	26971505	26971604	Chr17.19858	<i>Ggnbp1</i> (-1662), <i>Zbtb9</i> (-1612)	N/A
Chr17	26971714	26971947	Chr17.19859	<i>Ggnbp1</i> (-1366), <i>Zbtb9</i> (-1336)	N/A
Chr17	4726308	4726535	Chr17.1987	<i>And1b</i> (-268652)	N/A
Chr17	27018499	27018678	Chr17.19893	<i>Bak1</i> (+10420), <i>Ggnbp1</i> (+45372)	N/A
Chr17	27056655	27056766	Chr17.19949	<i>Itp3</i> (-593)	N/A
Chr17	27058270	27058396	Chr17.19956	<i>Itp3</i> (+1029), <i>Uqc2c</i> (+75583)	N/A
Chr17	27063362	27063364	Chr17.19961	<i>Itp3</i> (+6559), <i>Uqc2c</i> (+70103)	N/A
Chr17	3407328	3407448	Chr17.202	<i>Cldn20</i> (-125166), <i>Tiam2</i> (+80815)	N/A
Chr17	27124804	27124992	Chr17.20260	<i>Uqc2c</i> (+9018), <i>Itp3</i> (+67594)	N/A
Chr17	27126796	27126929	Chr17.20267	<i>Uqc2c</i> (+7053), <i>Itp3</i> (+69559)	N/A
Chr17	27129104	27129417	Chr17.20269	<i>Uqc2c</i> (+4655), <i>Itp3</i> (+71957)	N/A
Chr17	27134186	27134247	Chr17.20283	<i>Uqc2c</i> (-267)	N/A
Chr17	27138518	27138639	Chr17.20286	<i>Uqc2c</i> (-4663)	N/A
Chr17	27140290	27140580	Chr17.20293	<i>Uqc2c</i> (-6519), <i>Ip6k3</i> (+27329)	N/A
Chr17	27145886	27146080	Chr17.20320	<i>Uqc2c</i> (-12067), <i>Ip6k3</i> (+21781)	N/A
Chr17	27146539	27146830	Chr17.20323	<i>Uqc2c</i> (-12769), <i>Ip6k3</i> (+21079)	N/A
Chr17	27148866	27149119	Chr17.20336	<i>Uqc2c</i> (-15077), <i>Ip6k3</i> (+18771)	N/A
Chr17	4777907	4778087	Chr17.2036	<i>Arid1b</i> (-21077)	N/A
Chr17	27163315	27163442	Chr17.20375	<i>Uqc2c</i> (-29463), <i>Ip6k3</i> (+4385)	N/A
Chr17	27175578	27175729	Chr17.20384	<i>Ip6k3</i> (-7890), <i>Lemd2</i> (+28784)	N/A
Chr17	27194100	27194293	Chr17.20417	<i>Ip6k3</i> (-26433), <i>Lemd2</i> (+10241)	N/A
Chr17	27194739	27194845	Chr17.20421	<i>Ip6k3</i> (-27028), <i>Lemd2</i> (+9646)	N/A
Chr17	27207678	27207824	Chr17.20459	<i>Lemd2</i> (-3315)	N/A
Chr17	27212873	27212986	Chr17.20469	<i>Lemd2</i> (-6492), <i>Grm4</i> (+290374)	N/A
Chr17	27217357	27217493	Chr17.20478	<i>Lemd2</i> (-12987), <i>Grm4</i> (+285578)	N/A
Chr17	27228472	27228620	Chr17.20514	<i>Lemd2</i> (-24108), <i>Grm4</i> (+274758)	N/A
Chr17	27294268	27294431	Chr17.20538	<i>Lemd2</i> (-89912), <i>Grm4</i> (+208954)	N/A
Chr17	27401303	27401507	Chr17.20573	<i>Lemd2</i> (-196967), <i>Grm4</i> (+101899)	N/A
Chr17	27422804	27422864	Chr17.20586	<i>Lemd2</i> (-216396), <i>Grm4</i> (+80570)	N/A
Chr17	27425893	27426007	Chr17.20591	<i>Lemd2</i> (-221512), <i>Grm4</i> (+77354)	N/A
Chr17	27442641	27442883	Chr17.20648	<i>Lemd2</i> (-238324), <i>Grm4</i> (+60542)	N/A
Chr17	27445585	27445720	Chr17.20653	<i>Lemd2</i> (-241215), <i>Grm4</i> (+57651)	N/A
Chr17	27480401	27480562	Chr17.20688	<i>Lemd2</i> (-276044), <i>Grm4</i> (+22822)	N/A
Chr17	27494314	27494453	Chr17.20700	<i>Lemd2</i> (-289469), <i>Grm4</i> (+8920)	N/A
Chr17	27510606	27510784	Chr17.20734	<i>Hmga1</i> (-45925), <i>Gm4</i> (-7391)	N/A
Chr17	27547358	27547516	Chr17.20751	<i>Gm4</i> (-44133), <i>Hmga1</i> (-9183)	N/A
Chr17	27552549	27552689	Chr17.20754	<i>Hmga1</i> (-4001)	N/A
Chr17	27555673	27555772	Chr17.20755	<i>Hmga1</i> (-897)	N/A
Chr17	4847720	4847820	Chr17.2078	<i>And1b</i> (-473404)	N/A
Chr17	27557760	27557869	Chr17.20762	<i>C13004On14nk</i> (-7297), <i>Hmga1</i> (+1195)	N/A
Chr17	27558550	27558756	Chr17.20764	<i>C13004On14nk</i> (-6459), <i>Hmga1</i> (+2033)	N/A
Chr17	27561911	27562013	Chr17.20772	<i>C13004On14nk</i> (-3150)	N/A
Chr17	27603686	27603852	Chr17.20833	<i>Ai413582</i> (-38037), <i>Nud3</i> (+19696)	N/A
Chr17	4864716	4864911	Chr17.2084	<i>And1b</i> (-130260)	N/A
Chr17	27622164	27622284	Chr17.20843	<i>Ai413582</i> (-56492), <i>Nud3</i> (+1241)	N/A
Chr17	27622409	27622508	Chr17.20845	<i>Ai413582</i> (-56727), <i>Nud3</i> (+1006)	N/A
Chr17	27708600	27708723	Chr17.20917	<i>Spdef</i> (+20288), <i>Paccin1</i> (+53074)	N/A
Chr17	27712962	27713083	Chr17.20926	<i>Spdef</i> (+15927), <i>Paccin1</i> (+57435)	N/A
Chr17	4865605	4865775	Chr17.2093	<i>And1b</i> (-129384)	N/A
Chr17	27713139	27713253	Chr17.20930	<i>Spdef</i> (+15754), <i>Paccin1</i> (+57608)	N/A
Chr17	4865608	4865658	Chr17.2095	<i>And1b</i> (-129191)	N/A
Chr17	27728909	27729060	Chr17.20961	<i>Spdef</i> (-35)	N/A
Chr17	27753785	27754022	Chr17.21023	<i>Spdef</i> (-24954), <i>Irun</i> (+66654)	N/A
Chr17	27760125	27760304	Chr17.21029	<i>Spdef</i> (-31265), <i>Irun</i> (+60343)	N/A
Chr17	27819162	27819279	Chr17.21053	<i>Spdef</i> (-90271), <i>Irun</i> (+1337)	N/A
Chr17	27820634	27820764	Chr17.21058	<i>Irun</i> (-141)	N/A
Chr17	4907048	4907286	Chr17.2115	<i>Arid1b</i> (-87902)	N/A
Chr17	4907049	4907650	Chr17.2118	<i>And1b</i> (-87544)	N/A
Chr17	4907828	4907931	Chr17.2120	<i>And1b</i> (-87194)	N/A
Chr17	4908581	4908712	Chr17.2121	<i>And1b</i> (-86427)	N/A
Chr17	27910297	27910451	Chr17.21221	<i>Taf11</i> (-1732), <i>Anks1</i> (+1034)	N/A
Chr17	27910822	27910943	Chr17.21224	<i>Anks1</i> (+7543), <i>Top11</i> (+183701)	N/A
Chr17	27955089	27955227	Chr17.21243	<i>Anks1</i> (+45818), <i>Top11</i> (+125426)	N/A
Chr17	27969640	27969751	Chr17.21253	<i>Anks1</i> (+60356), <i>Top11</i> (+110888)	N/A
Chr17	4940564	4940816	Chr17.2133	<i>And1b</i> (-54384)	N/A
Chr17	28005503	28005614	Chr17.21332	<i>Top11</i> (+75025), <i>Anks1</i> (+96219)	N/A
Chr17	28007005	28007189	Chr17.21336	<i>Top11</i> (+73487), <i>Anks1</i> (+97757)	N/A
Chr17	28007239	28007417	Chr17.21338	<i>Top11</i> (+73256), <i>Anks1</i> (+97980)	N/A
Chr17	28007543	28007690	Chr17.21344	<i>Top11</i> (+72967), <i>Anks1</i> (+98277)	N/A
Chr17	28013091	28013203	Chr17.21367	<i>Top11</i> (+67437), <i>Anks1</i> (+103807)	N/A
Chr17	28016203	28016390	Chr17.21376	<i>Top11</i> (+64287), <i>Anks1</i> (+106957)	N/A
Chr17	28029519	28029675	Chr17.21387	<i>Top11</i> (+50987), <i>Anks1</i> (+120257)	N/A
Chr17	28032149	28032297	Chr17.21396	<i>Top11</i> (+49361), <i>Anks1</i> (+122883)	N/A
Chr17	28033317	28033416	Chr17.21399	<i>Top11</i> (+47217), <i>Anks1</i> (+124027)	N/A
Chr17	28037240	28037390	Chr17.21401	<i>Top11</i> (+43269), <i>Anks1</i> (+127975)	N/A
Chr17	28041873	28042142	Chr17.21416	<i>Top11</i> (+38576), <i>Anks1</i> (+132668)	N/A
Chr17	4947450	4947584	Chr17.2144	<i>And1b</i> (-47557)	N/A
Chr17	28062480	28062759	Chr17.21497	<i>Top11</i> (+17964), <i>Anks1</i> (+153280)	N/A
Chr17	28064406	28064705	Chr17.21534	<i>Top11</i> (-3972)	N/A
Chr17	28085207	28085496	Chr17.21539	<i>Top11</i> (-4768)</	

Chr17	28085670	28085987	Chr17.21543	Scube3(-56487),Tcpi11(-5245)	N/A
Chr17	28087525	28087645	Chr17.21555	Scube3(-54731),Tcpi11(-7001)	N/A
Chr17	28098591	28098693	Chr17.21560	Scube3(-43674),Tcpi11(-18058)	N/A
Chr17	28098759	28098868	Chr17.21563	Scube3(-43492),Tcpi11(-16246)	N/A
Chr17	28101523	28101904	Chr17.21567	Scube3(-40602),Tcpi11(-21130)	N/A
Chr17	28102149	28102259	Chr17.21571	Scube3(-40112),Tcpi11(-21620)	N/A
Chr17	28104807	28104921	Chr17.21574	Scube3(-37452),Tcpi11(-24280)	N/A
Chr17	28110062	28110259	Chr17.21580	Scube3(-32155),Tcpi11(-29577)	N/A
Chr17	28117877	28118139	Chr17.21600	Tcpi11(-37424),Scube3(-24309)	N/A
Chr17	28123072	28123246	Chr17.21606	Tcpi11(-42876),Scube3(-19157)	N/A
Chr17	28123704	28123844	Chr17.21609	Tcpi11(-43190),Scube3(-18542)	N/A
Chr17	28140543	28140668	Chr17.21626	Scube3(-1710)	N/A
Chr17	28141782	28142027	Chr17.21629	Scube3(-411)	N/A
Chr17	28143109	28143698	Chr17.21638	Zfp523(-34014),Scube3(+1088)	N/A
Chr17	28143856	28144180	Chr17.21649	Zfp523(-33349),Scube3(+1753)	N/A
Chr17	28145498	28145725	Chr17.21655	Zfp523(-31806),Scube3(-3296)	N/A
Chr17	28146294	28146402	Chr17.21657	Zfp523(-31070),Scube3(+4032)	N/A
Chr17	28146497	28146610	Chr17.21661	Zfp523(-30864),Scube3(+4238)	N/A
Chr17	28147557	28147693	Chr17.21662	Zfp523(-29793),Scube3(+5309)	N/A
Chr17	28150818	28150987	Chr17.21680	Zfp523(-18515),Scube3(+16587)	N/A
Chr17	28151563	28151730	Chr17.21682	Zfp523(-15771),Scube3(+19331)	N/A
Chr17	28171973	28172510	Chr17.21746	Zfp523(-5176),Scube3(+29926)	N/A
Chr17	28174697	28174848	Chr17.21763	Zfp523(-2645)	N/A
Chr17	28177306	28177588	Chr17.21767	Zfp523(+29)	N/A
Chr17	4972249	4972383	Chr17.2184	And1b(-22758)	N/A
Chr17	28233614	28233733	Chr17.21897	Ppard(+920)	N/A
Chr17	28237779	28237905	Chr17.21911	Fance(-75902),Ppard(+5088)	N/A
Chr17	28313748	28313888	Chr17.21980	Fance(+174)	N/A
Chr17	28315596	28315709	Chr17.21984	Rpl10a(-12818),Fance(+2009)	N/A
Chr17	4991878	4992066	Chr17.2201	And1b(-3102)	N/A
Chr17	28329119	28329260	Chr17.22027	Rpl10a(+719)	N/A
Chr17	4992842	4992974	Chr17.2208	And1b(-2168)	N/A
Chr17	4993988	4994137	Chr17.2214	And1b(-1011)	N/A
Chr17	28415239	28415450	Chr17.22172	Tulp1(-50197),Fkbp5(+102179)	N/A
Chr17	28419841	28420097	Chr17.22183	Tulp1(-54821),Fkbp5(+97555)	N/A
Chr17	28420171	28420644	Chr17.22185	Tulp1(-55260),Fkbp5(+97116)	N/A
Chr17	28422016	28422124	Chr17.22191	Tulp1(-56922),Fkbp5(+95454)	N/A
Chr17	28428583	28428696	Chr17.22193	Tulp1(-63492),Fkbp5(+88684)	N/A
Chr17	28442283	28442456	Chr17.22214	Tulp1(-77222),Fkbp5(+75154)	N/A
Chr17	28467810	28467986	Chr17.22223	Tulp1(-102750),Fkbp5(+49626)	N/A
Chr17	28468040	28468193	Chr17.22226	Tulp1(-102969),Fkbp5(+49407)	N/A
Chr17	28484766	28484947	Chr17.22239	Tulp1(-119709),Fkbp5(+32667)	N/A
Chr17	4997283	4997590	Chr17.2234	And1b(-2365),Tmem242(+442823)	N/A
Chr17	28486126	28486343	Chr17.22242	Tulp1(-121087),Fkbp5(+31289)	N/A
Chr17	28511235	28511338	Chr17.22258	Tulp1(-146139),Fkbp5(+6237)	N/A
Chr17	28515508	28515791	Chr17.22263	Tulp1(-150502),Fkbp5(+1874)	N/A
Chr17	28518220	28518320	Chr17.22272	Fkbp5(-1746)	N/A
Chr17	28519878	28519785	Chr17.22273	Fkbp5(-1213)	N/A
Chr17	28519029	28519193	Chr17.22275	Fkbp5(-1587)	N/A
Chr17	28587634	28587801	Chr17.22368	Lhfp5(+12000),Srpk1(+34803)	N/A
Chr17	5003280	5003632	Chr17.2239	And1b(+8382),Tmem242(+436804)	N/A
Chr17	28624880	28624995	Chr17.22443	Srpk1(-2417)	N/A
Chr17	28625059	28625178	Chr17.22446	Srpk1(-2998)	N/A
Chr17	5007656	5007692	Chr17.2246	And1b(-12355),Tmem242(+432831)	N/A
Chr17	28693221	28693377	Chr17.22534	Slc26a8(-3312),Mapk14(+1957)	N/A
Chr17	28697487	28697650	Chr17.22544	Mapk13(-71738),Mapk14(+6227)	N/A
Chr17	28736974	28737119	Chr17.22563	Mapk13(-32260),Mapk14(+45705)	N/A
Chr17	28799569	28799714	Chr17.22653	Birp3(-1448)	N/A
Chr17	28800226	28800458	Chr17.22660	Birp3(-748)	N/A
Chr17	5037014	5037288	Chr17.2269	And1b(+42077),Tmem242(+403109)	N/A
Chr17	28809102	28809281	Chr17.22708	Pnpla1(-49219),Birp3(+8102)	N/A
Chr17	28971313	28971473	Chr17.22906	Kctd20(+18794),Slk38(+36544)	N/A
Chr17	28983870	28984011	Chr17.22908	Slk38(+23996),Kctd20(+31342)	N/A
Chr17	5058115	5058222	Chr17.2296	And1b(+63955),Tmem242(+382091)	N/A
Chr17	29016873	29017052	Chr17.22969	Srsf3(-15710),Slk38(-9028)	N/A
Chr17	5058509	5058632	Chr17.2299	And1b(+63497),Tmem242(+381869)	N/A
Chr17	29039431	29039935	Chr17.22995	Cdkn1a(-54089),Srsf3(+7010)	N/A
Chr17	29050901	29051038	Chr17.23014	Cdkn1a(-42802),Srsf3(+18297)	N/A
Chr17	5058796	5058991	Chr17.2302	And1b(+63820),Tmem242(+381366)	N/A
Chr17	29053802	29054061	Chr17.23020	Cdkn1a(-39769),Srsf3(+21309)	N/A
Chr17	29059591	29060711	Chr17.23030	Cdkn1a(-3121)	N/A
Chr17	29094462	29094564	Chr17.23041	Cdkn1a(+741)	N/A
Chr17	29135192	29135337	Chr17.23092	Rab44(+209)	N/A
Chr17	29140663	29140789	Chr17.23118	Rab44(+5670),Cpne5(+97071)	N/A
Chr17	5067429	5067564	Chr17.2316	And1b(+72423),Tmem242(+372763)	N/A
Chr17	29160319	29166143	Chr17.23181	Rab44(-31025),Cpne5(+71716)	N/A
Chr17	29176672	29176810	Chr17.23195	Rab44(+41685),Cpne5(+61056)	N/A
Chr17	29185413	29185581	Chr17.23205	Rab44(+50441),Cpne5(+52300)	N/A
Chr17	29187340	29187452	Chr17.23209	Cpne5(+50401),Rab44(+52340)	N/A
Chr17	29193888	29194030	Chr17.23219	Cpne5(+43839),Rab44(+58903)	N/A
Chr17	29199560	29199759	Chr17.23221	Cpne5(-38137),Rab44(+84604)	N/A
Chr17	5070538	5070683	Chr17.23234	And1b(-7537),Tmem242(+36649)	N/A
Chr17	29218529	29218668	Chr17.23252	Cpne5(-19198),Rab44(+83543)	N/A
Chr17	29241547	29241665	Chr17.23262	Cpne5(-3809)	N/A
Chr17	29245220	29245337	Chr17.23271	Cpne5(-7482),Ppil1(+18879)	N/A
Chr17	29245896	29246017	Chr17.23274	Cpne5(-8160),Ppil1(+18201)	N/A
Chr17	29248128	29248259	Chr17.23280	Cpne5(-10397),Ppil1(+15864)	N/A
Chr17	5081462	5081595	Chr17.2329	And1b(-86455),Tmem242(+358731)	N/A
Chr17	5083582	5083811	Chr17.2330	And1b(+88623),Tmem242(+356563)	N/A
Chr17	29268896	29269042	Chr17.23308	Ppil1(-4811),Bc004004(+181)	N/A
Chr17	29297367	29297484	Chr17.23328	P116(-21456),Bc004004(+28638)	N/A
Chr17	5086063	5086278	Chr17.2333	And1b(+91107),Tmem242(+354079)	N/A
Chr17	29302417	29302546	Chr17.23344	P116(-16400),Bc004004(+33894)	N/A
Chr17	29304774	29304882	Chr17.23351	P116(-14054),Bc004004(+36040)	N/A
Chr17	5095733	5095936	Chr17.23345	And1b(+100761),Tmem242(+344425)	N/A
Chr17	29395522	29395656	Chr17.23308	Pim1(-95223),Fgd2(+34647)	N/A
Chr17	5099557	5099751	Chr17.23361	And1b(+104589),Tmem242(+340606)	N/A
Chr17	29402023	29402306	Chr17.23510	Pim1(-88647),Fgd2(+41223)	N/A
Chr17	29411965	29412078	Chr17.23524	Pim1(-78790),Fgd2(+51080)	N/A
Chr17	29416364	29416475	Chr17.23527	Pim1(-74392),Fgd2(+55478)	N/A
Chr17	29438492	29438680	Chr17.23542	Pim1(-52226),Fgd2(+77644)	N/A
Chr17	29438713	29438854	Chr17.23543	Pim1(-52028),Fgd2(+77842)	N/A
Chr17	29440546	29440679	Chr17.23546	Pim1(-50199),Fgd2(+79671)	N/A
Chr17	29445144	29445271	Chr17.23549	Pim1(-45604),Fgd2(+84266)	N/A
Chr17	29451122	29451314	Chr17.23551	Pim1(-39594),Fgd2(+90276)	N/A
Chr17	29451391	29451636	Chr17.23556	Pim1(-39298),Fgd2(+90572)	N/A
Chr17	29457902	29458186	Chr17.23560	Pim1(-32768),Fgd2(+97102)	N/A
Chr17	29459630	29459828	Chr17.23566	Pim1(-31083),Fgd2(+98787)	N/A
Chr17	29460381	29460528	Chr17.23570	Pim1(-30357),Fgd2(+99513)	N/A
Chr17	5125157	5125287	Chr17.2358	And1b(-130148),Tmem242(+315038)	N/A
Chr17	29467390	29467496	Chr17.23583	Pim1(-23369),Fgd2(+106501)	N/A
Chr17	29467562	29467732	Chr17.23587	Pim1(-23165),Fgd2(+106705)	N/A
Chr17	29468051	29468250	Chr17.23591	Pim1(-22661),Fgd2(+107209)	N/A
Chr17	29469634	29469763	Chr17.23594	Pim1(-21113),Fgd2(+108757)	N/A
Chr17	29470039	29470163	Chr17.23597	Pim1(-20711),Fgd2(+109159)	N/A
Chr17	29470334	29470568	Chr17.23599	Pim1(-20361),Fgd2(+109509)	N/A
Chr17	29480909	29480225	Chr17.23603	Pim1(-1650)	N/A
Chr17	29492703	29492901	Chr17.23625	Pim1(+1990),Tmem217(+56791)	N/A
Chr17	29549579	29549883	Chr17.23667	Tmem217(-138),Tbc1d22b(-587)	N/A
Chr17	29551298	29551411	Chr17.23681	Tmem217(-1762),Tbc1d22b(-157)	N/A
Chr17	29589455	29589676	Chr17.23719	Rnf8(-25274),Tbc1d22b(-39728)	N/A
Chr17	29589664	29589862	Chr17.23721	Rnf8(-25027),Tbc1d22b(-39975)	N/A
Chr17	5130822	5130964	Chr17.2375	And1b(+135819),Tmem242(+309367)	N/A
Chr17	5131008	5131312	Chr17.2379	And1b(+136086),Tmem242(+309100)	N/A
Chr17	5138734	5138868	Chr17.2380	And1b(+143727),Tmem242(+301459)	N/A
Chr17	5138955	5139494	Chr17.2382	And1b(+144151),Tmem242(+301035)	N/A
Chr17	29680308	29680498	Chr17.23844	Cmtr1(+19808),Ccdc167(+36606)	N/A
Chr17	29682849	29683115	Chr17.23858	Cmtr1(+22387),Ccdc167(+34027)	N/A
Chr17	29683148	29683248	Chr17.23861	Cmtr1(+22603),Ccdc167(+33811)	N/A
Chr17	5150980	5151153	Chr17.2389	And1b(+155993),Tmem242(+289193)	N/A
Chr17	29700451	29700554	Chr17.23908	Ccdc167(+16506),Cmtr1(+39908)	N/A
Chr17	29707155	29707504	Chr17.23961	Ccdc167(+9679),Cmtr1(+46735)	N/A
Chr17	29711497	29711697	Chr17.23959	Ccdc167(+5412),Cmtr1(+51002)	N/A
Chr17	5151792	5151987	Chr17.2397	And1b(+156816),Tmem242(+288370)	N/A
Chr17	29721127	29721299	Chr17.23980	Ccdc167(-4204)	N/A
Chr17	29730736	29730835	Chr17.23983	Ccdc167(-13777),Mga1(+157096)	N/A
Chr17	29731562	29731720	Chr17.23986	Ccdc167(-14647),Mga1(+158229)	N/A
Chr17	29731975	29732093	Chr17.23990	Ccdc167(-15025),Mga1(+155848)	N/A

Chr17		29736552	29736652	Chr17.24001	Ccdc167(-19593),Mdga1(+151280)	N/A
Chr17		29738452	29738679	Chr17.24004	Ccdc167(-21557),Mdga1(+149316)	N/A
Chr17		29744157	29744461	Chr17.24011	Ccdc167(-27300),Mdga1(+143573)	N/A
Chr17		29746759	29747050	Chr17.24018	Ccdc167(-29866),Mdga1(+149677)	N/A
Chr17		29747485	29747585	Chr17.24020	Ccdc167(-30526),Mdga1(+140347)	N/A
Chr17		29750629	29750816	Chr17.24024	Ccdc167(-33714),Mdga1(+137159)	N/A
Chr17		29751064	29751290	Chr17.24027	Ccdc167(-34168),Mdga1(+136705)	N/A
Chr17		29795095	29795283	Chr17.24053	Ccdc167(-78180),Mdga1(+92693)	N/A
Chr17		29796772	29797054	Chr17.24062	Ccdc167(-79904),Mdga1(+90699)	N/A
Chr17		29798712	29798819	Chr17.24067	Ccdc167(-81757),Mdga1(+89116)	N/A
Chr17		29818396	29818529	Chr17.24074	Ccdc167(-101454),Mdga1(+69419)	N/A
Chr17		29837328	29837888	Chr17.24198	Ccdc167(-156799),Mdga1(+14074)	N/A
Chr17		29874000	29874211	Chr17.24202	Ccdc167(-157097),Mdga1(+13776)	N/A
Chr17		29883441	29883656	Chr17.24205	Ccdc167(-166541),Mdga1(+14332)	N/A
Chr17		29884154	29884431	Chr17.24207	Ccdc167(-167294),Mdga1(+3589)	N/A
Chr17		29886163	29886267	Chr17.24215	Ccdc167(-169206),Mdga1(+1667)	N/A
Chr17		5212592	5212730	Chr17.2424	Arid1b(+217587),Tmem242(+227599)	N/A
Chr17		29920119	29920220	Chr17.24253	Zfand3(-84917),Mdga1(-32288)	N/A
Chr17		29947541	29947662	Chr17.24282	Mdga1(-59720),Zfand3(-57485)	N/A
Chr17		29985537	29985701	Chr17.24310	Mdga1(-97373),Zfand3(-19468)	N/A
Chr17		29993905	29993926	Chr17.24317	Mdga1(-105834),Zfand3(-11371)	N/A
Chr17		29997802	29997914	Chr17.24320	Mdga1(-109976),Zfand3(-7229)	N/A
Chr17		29997957	29998100	Chr17.24322	Mdga1(-110147),Zfand3(-7058)	N/A
Chr17		29998991	29999100	Chr17.24323	Mdga1(-111164),Zfand3(-6041)	N/A
Chr17		30004626	30004768	Chr17.24333	Zfand3(-390)	N/A
Chr17		5219395	5219520	Chr17.2436	Tmem242(+220802),Arid1b(+224384)	N/A
Chr17		30028476	30028626	Chr17.24364	Gm9874(-456960),Zfand3(+23464)	N/A
Chr17		30045909	30046021	Chr17.24377	Gm9874(-439546),Zfand3(+40878)	N/A
Chr17		30064372	30064686	Chr17.24386	Gm9874(-420982),Zfand3(+59442)	N/A
Chr17		30064717	30065093	Chr17.24391	Gm9874(-420606),Zfand3(+59818)	N/A
Chr17		30131700	30131841	Chr17.24450	Gm9874(-353740),Zfand3(+126694)	N/A
Chr17		5227391	5227513	Chr17.2449	Tmem242(+212808),Arid1b(+232378)	N/A
Chr17		30158865	30159009	Chr17.24491	Gm9874(-326574),Zfand3(+153850)	N/A
Chr17		5228275	5228548	Chr17.2451	Tmem242(+21848),Arid1b(+233338)	N/A
Chr17		30187859	30188080	Chr17.24533	Gm9874(-297541),Zfand3(+182883)	N/A
Chr17		30188213	30188467	Chr17.24536	Gm9874(-297171),Zfand3(+183253)	N/A
Chr17		30188748	30188965	Chr17.24540	Gm9874(-296854),Zfand3(+18370)	N/A
Chr17		30191334	30191461	Chr17.24552	Gm9874(-294113),Zfand3(+186311)	N/A
Chr17		30194840	30195138	Chr17.24559	Gm9874(-290522),Zfand3(+189902)	N/A
Chr17		30199918	30200110	Chr17.24568	Gm9874(-285497),Zfand3(+194927)	N/A
Chr17		30203708	30204019	Chr17.24571	Gm9874(-281647),Zfand3(+198777)	N/A
Chr17		30206486	30206705	Chr17.24580	Gm9874(-278915),Zfand3(+201509)	N/A
Chr17		30208486	30208653	Chr17.24589	Gm9874(-276841),Zfand3(+203553)	N/A
Chr17		30209538	30209674	Chr17.24596	Gm9874(-275905),Zfand3(+204519)	N/A
Chr17		30223429	30223579	Chr17.24623	Gm9874(-262007),Zfand3(+218417)	N/A
Chr17		30229978	30230300	Chr17.24630	Gm9874(-255372),Zfand3(+225052)	N/A
Chr17		30235228	30235336	Chr17.24638	Gm9874(-250229),Zfand3(+230165)	N/A
Chr17		30238839	30237098	Chr17.24642	Gm9874(-248542),Zfand3(+231882)	N/A
Chr17		30237274	30237409	Chr17.24644	Gm9874(-248169),Zfand3(+232255)	N/A
Chr17		30241284	30241447	Chr17.24658	Gm9874(-244145),Zfand3(+236279)	N/A
Chr17		5237544	5237686	Chr17.2466	Tmem242(+202645),Arid1b(+242541)	N/A
Chr17		30241880	30242045	Chr17.24662	Gm9874(-243548),Zfand3(+236876)	N/A
Chr17		30245069	30245351	Chr17.24666	Gm9874(-240301),Zfand3(+240123)	N/A
Chr17		30245499	30245738	Chr17.24669	Gm9874(-239897),Zfand3(+240527)	N/A
Chr17		30250103	30250308	Chr17.24679	Gm9874(-235305),Zfand3(+245119)	N/A
Chr17		5237776	5237886	Chr17.2468	Tmem242(+202428),Arid1b(+242758)	N/A
Chr17		30261160	30261404	Chr17.24696	Gm9874(-224229),Zfand3(+256195)	N/A
Chr17		30263034	30263192	Chr17.24708	Gm9874(-222398),Zfand3(+258026)	N/A
Chr17		5238716	5238947	Chr17.2472	Tmem242(+201478),Arid1b(+243708)	N/A
Chr17		30278407	30279637	Chr17.24740	Gm9874(-205859),Zfand3(+274585)	N/A
Chr17		30292909	30293030	Chr17.24790	Gm9874(-192541),Zfand3(+287883)	N/A
Chr17		30307714	30307892	Chr17.24840	Gm9874(-177708),Zfand3(+302716)	N/A
Chr17		30312172	30312450	Chr17.24853	Gm9874(-173200),Zfand3(+307224)	N/A
Chr17		30334968	30335125	Chr17.24865	Gm9874(-150464),Zfand3(+329960)	N/A
Chr17		30335836	30336013	Chr17.24879	Gm9874(-149586),Zfand3(+330536)	N/A
Chr17		30336930	30337036	Chr17.24886	Gm9874(-148528),Zfand3(+331896)	N/A
Chr17		30347125	30347534	Chr17.24907	Gm9874(-138181),Zfand3(+342243)	N/A
Chr17		30348050	30348158	Chr17.24916	Gm9874(-137407),Zfand3(+343017)	N/A
Chr17		30360697	30360923	Chr17.24945	Gm9874(-124701),Zfand3(+355723)	N/A
Chr17		30360984	30361093	Chr17.24950	Gm9874(-124472),Zfand3(+355952)	N/A
Chr17		5247829	5247840	Chr17.2496	Tmem242(+192375),Arid1b(+252811)	N/A
Chr17		30364119	30364351	Chr17.24963	Gm9874(-121276),Zfand3(+359148)	N/A
Chr17		30364865	30364977	Chr17.24967	Gm9874(-120590),Zfand3(+359834)	N/A
Chr17		5248981	5249181	Chr17.2498	Tmem242(+191179),Arid1b(+254007)	N/A
Chr17		30425096	30425275	Chr17.25053	Gm9874(-60322),Zfand3(+420099)	N/A
Chr17		30436102	30436244	Chr17.25078	Gm9874(-48336),Zfand3(+43198)	N/A
Chr17		5262341	5262480	Chr17.2509	Tmem242(+177849),Arid1b(+267337)	N/A
Chr17		30454188	30454345	Chr17.25107	Gm9874(-31244),Zfand3(+449180)	N/A
Chr17		30467823	30468023	Chr17.25143	Gm9874(-17588),Zfand3(+462836)	N/A
Chr17		30468623	30468752	Chr17.25149	Gm9874(-16823),Zfand3(+463601)	N/A
Chr17		30470763	30470900	Chr17.25160	Gm9874(-14679),Zfand3(+465745)	N/A
Chr17		30474225	30474847	Chr17.25200	Gm9874(-12155),Btd9(+7851)	N/A
Chr17		30478779	30498380	Chr17.25204	Gm9874(+12619),Btd9(+78157)	N/A
Chr17		30506358	30506511	Chr17.25211	Gm9874(+20924),Btd9(+69852)	N/A
Chr17		5269550	5269704	Chr17.25229	Tmem242(+170633),Arid1b(+274553)	N/A
Chr17		30547427	30547427	Chr17.25292	Btd9(+28910),Gm9874(+61866)	N/A
Chr17		30576140	30576341	Chr17.25304	Btd9(+46)	N/A
Chr17		5269802	5269918	Chr17.2532	Tmem242(+170400),Arid1b(+274786)	N/A
Chr17		5286671	5286958	Chr17.2541	Tmem242(+153445),Arid1b(+291741)	N/A
Chr17		5294356	5294565	Chr17.2552	Tmem242(+145799),Arid1b(+299387)	N/A
Chr17		5295544	5295767	Chr17.2557	Tmem242(+144604),Arid1b(+300582)	N/A
Chr17		30821216	30821333	Chr17.25749	Gip1(-80592),Dnan8(-196921)	N/A
Chr17		5310267	5310505	Chr17.2588	Tmem242(+128874),Arid1b(+315312)	N/A
Chr17		5310540	5310682	Chr17.2591	Tmem242(+129649),Arid1b(+315337)	N/A
Chr17		31058939	31059065	Chr17.26056	Abcg1(+1304),Tf3(+70644)	N/A
Chr17		31060541	31060650	Chr17.26059	Abcg1(+2898),Tf3(+69050)	N/A
Chr17		31068961	31069076	Chr17.26076	Abcg1(+11321),Tf3(+60627)	N/A
Chr17		31071657	31071768	Chr17.26085	Abcg1(+14015),Tf3(+57933)	N/A
Chr17		5323356	53233681	Chr17.2643	Tmem242(+116791),Arid1b(+328395)	N/A
Chr17		5324778	5324919	Chr17.2652	Tmem242(+115411),Arid1b(+329775)	N/A
Chr17		31541529	31541741	Chr17.26540	4833413e03nik(-15491),Ndufa3(+21520)	N/A
Chr17		31604997	31605104	Chr17.26592	Cbs(+32148),Pknx1(+40250)	N/A
Chr17		31651552	31651862	Chr17.26683	Cbs(-14508),Ufa1(+7047)	N/A
Chr17		32162677	32162794	Chr17.27135	Notch3(+4144),Rpl1b(+126636)	N/A
Chr17		32164407	32164521	Chr17.27143	Notch3(+2416),Rpl1b(+128364)	N/A
Chr17		32206634	32207074	Chr17.27253	Ephx3(-17391),Brd4(+77243)	N/A
Chr17		32235782	32235944	Chr17.27315	Ephx3(-46400),Brd4(+48234)	N/A
Chr17		32246673	32246773	Chr17.27319	Ephx3(-57259),Brd4(+37375)	N/A
Chr17		32334184	32334350	Chr17.27407	Akap8(-13114),Akap8(+16314)	N/A
Chr17		32354026	32354247	Chr17.27436	Akap8(-3559)	N/A
Chr17		32360237	32360507	Chr17.27498	Akap8(-9791),Wiz(+27387)	N/A
Chr17		32362786	32362983	Chr17.27514	Akap8(-12304),Wiz(+24874)	N/A
Chr17		32369282	32369412	Chr17.27525	Akap8(-18766),Wiz(+18412)	N/A
Chr17		32376539	32376663	Chr17.27529	Akap8(-26020),Wiz(+11158)	N/A
Chr17		32376758	32376863	Chr17.27532	Akap8(-26230),Wiz(+10948)	N/A
Chr17		32377511	32377633	Chr17.27548	Akap8(-26991),Wiz(+10187)	N/A
Chr17		32377689	32377849	Chr17.27552	Akap8(-27188),Wiz(+9990)	N/A
Chr17		32381042	32381191	Chr17.27569	Akap8(-30536),Wiz(+6642)	N/A
Chr17		5365435	5365576	Chr17.2768	Tmem242(+74754),Arid1b(+370432)	N/A
Chr17		33669631	33669915	Chr17.28569	Hrrpm1(+17087),Prm1(+31717)	N/A
Chr17		33678296	33679484	Chr17.28587	Hrrpm1(+10470),Prm1(+38334)	N/A
Chr17		33760399	33760613	Chr17.28662	Rab11b(+24)	N/A
Chr17		33779414	33779541	Chr17.28702	Rab11b(-18948),Angp8(+2097)	N/A
Chr17		33810426	33810568	Chr17.28717	Kank3(-23)	N/A
Chr17		33811299	33811401	Chr17.28724	Kank3(-830)	N/A
Chr17		33909471	33909598	Chr17.28861	Dax1(-46)	N/A
Chr17		33915472	33915589	Chr17.28906	Tapbp(-3801),Zbtb22(-640)	N/A
Chr17		33916042	33916200	Chr17.28914	Tapbp(-3211),Zbtb22(-50)	N/A
Chr17		33931523	33931654	Chr17.28994	Rgl2(+2007),Ptkn5(+8754)	N/A
Chr17		33955578	33955742	Chr17.29147	B3gal4(-4172),Vps52(-152),Rps18(+57)	N/A
Chr17		34025380	34025521	Chr17.29222	Ring1(-771)	N/A
Chr17		34025618	34025793	Chr17.29223	Ring1(-1026)	N/A
Chr17		34025834	34026252	Chr17.29225	Ring1(-1363)	N/A
Chr17		34031746	34031854	Chr17.29275	H2-ke6(-3744),Slc39a7(-256),Rxb1(-12)	N/A
Chr17		34038301	34038413	Chr17.29322	Col1a2(-1080)	N/A
Chr17		34040175	34040365	Chr17.29336	Col1a2(+833)	N/A
Chr17		34040915	34041099	Chr17.29341	H2-ke1(-5333),Col1a2(+1570)	N/A
Chr17		34041377	34041488	Chr17.29345	H2-ke(-50907),Col1a2(+1996)	N/A

Chr17	5605357	5605475	Chr17.2942	<i>Snx9</i> (-235912), <i>Zdhhc14</i> (+112816)	N/A
Chr17	34116577	34116784	Chr17.29685	<i>Brd2</i> (+5066), <i>H2-ca</i> (+24341)	N/A
Chr17	34118602	34118755	Chr17.29698	<i>Brd2</i> (+3068), <i>H2-ca</i> (+26339)	N/A
Chr17	34119009	34119681	Chr17.29704	<i>Brd2</i> (+2452), <i>H2-ca</i> (+26955)	N/A
Chr17	34121851	34121982	Chr17.29724	<i>Brd2</i> (-170)	N/A
Chr17	34122149	34122302	Chr17.29730	<i>Brd2</i> (-479)	N/A
Chr17	5753428	5753554	Chr17.3015	<i>Snx9</i> (-87837), <i>Zdhhc14</i> (+260891)	N/A
Chr17	34564285	34564396	Chr17.30372	<i>Notch4</i> (+73)	N/A
Chr17	34569657	345696261	Chr17.30609	<i>Pbx2</i> (-2154), <i>Gpam3</i> (+303)	N/A
Chr17	34591833	34592002	Chr17.30620	<i>Pbx2</i> (-345)	N/A
Chr17	34596220	34596480	Chr17.30675	<i>Ager</i> (-1512)	N/A
Chr17	34597098	34597216	Chr17.30678	<i>Ager</i> (-705)	N/A
Chr17	34597711	34597951	Chr17.30683	<i>Ager</i> (-31)	N/A
Chr17	34604299	34604424	Chr17.30748	<i>Agpat1</i> (-1459), <i>Rnf5</i> (-672)	N/A
Chr17	34605966	34606188	Chr17.30755	<i>Rnf5</i> (-2387), <i>Agpat1</i> (+216)	N/A
Chr17	34613313	34613423	Chr17.30778	<i>Egfr8</i> (+2603), <i>Agpat1</i> (+7507)	N/A
Chr17	34616156	34616406	Chr17.30806	<i>Egfr8</i> (-310)	N/A
Chr17	34616439	34616891	Chr17.30812	<i>Egfr8</i> (-694)	N/A
Chr17	34616964	34617088	Chr17.30817	<i>Egfr8</i> (-1055)	N/A
Chr17	34655670	34655933	Chr17.30966	<i>Trxb1</i> (-14733), <i>Atf6b</i> (+8622)	N/A
Chr17	34656762	34657015	Chr17.30971	<i>Trxb1</i> (-13646), <i>Atf6b</i> (+9709)	N/A
Chr17	34661406	34661519	Chr17.30982	<i>Trxb1</i> (-9072), <i>Atf6b</i> (+14283)	N/A
Chr17	34680018	34680123	Chr17.31094	<i>Trxb1</i> (+9536), <i>C4b</i> (+63811)	N/A
Chr17	34681400	34681509	Chr17.31103	<i>Trxb1</i> (+10920), <i>C4b</i> (+62427)	N/A
Chr17	34850328	34850467	Chr17.32021	<i>Skiv2</i> (-188), <i>Nfe2f1</i> (-7)	N/A
Chr17	34894364	34894562	Chr17.32208	<i>Ehm2</i> (-4508), <i>Zbtb12</i> (-96)	N/A
Chr17	34897297	34897414	Chr17.32247	<i>Ehm2</i> (-1615)	N/A
Chr17	34914366	34914497	Chr17.32397	<i>Sic44a</i> (-38)	N/A
Chr17	6036340	6036512	Chr17.32359	<i>Serac1</i> (+43315), <i>Sym2</i> (+95146)	N/A
Chr17	35039535	35039660	Chr17.32975	<i>Sapcd1</i> (-11582), <i>Msh5</i> (+7024)	N/A
Chr17	35043634	35043780	Chr17.32982	<i>Sapcd1</i> (-15691), <i>Msh5</i> (+2915)	N/A
Chr17	35047771	35047902	Chr17.32998	<i>Clic5</i> (-2129), <i>Msh5</i> (-1215)	N/A
Chr17	35051873	35052002	Chr17.33013	<i>Ddah2</i> (-7097), <i>Clic5</i> (+1972)	N/A
Chr17	35059441	35059598	Chr17.33042	<i>Ddah2</i> (+485)	N/A
Chr17	35074460	35074572	Chr17.33112	<i>Ly6g6e</i> (-2421), <i>Ly6g6d</i> (-16)	N/A
Chr17	35090597	35090803	Chr17.33157	<i>Ly6g6c</i> (-17579), <i>Abhd16a</i> (+1409)	N/A
Chr17	35121375	35121480	Chr17.33256	<i>D17Hds53e</i> (-4856), <i>Gpank1</i> (-1524), <i>Csnk2b</i> (-142)	N/A
Chr17	35121787	35121974	Chr17.33261	<i>D17Hds53e</i> (-4505), <i>Gpank1</i> (-1071), <i>Csnk2b</i> (-595)	N/A
Chr17	35135184	35135483	Chr17.33340	<i>Apom</i> (-3284), <i>Bag6</i> (+156)	N/A
Chr17	35135864	35136039	Chr17.33347	<i>Apom</i> (-3902), <i>Bag6</i> (+774)	N/A
Chr17	6118822	6119129	Chr17.33348	<i>Tulp4</i> (-19172), <i>Glt2h5</i> (+39190)	N/A
Chr17	35162965	35162696	Chr17.33506	<i>Prrc2a</i> (-2267), <i>Bag6</i> (+27452)	N/A
Chr17	35164966	35164975	Chr17.33511	<i>Prrc2a</i> (-61)	N/A
Chr17	35165048	35165248	Chr17.33517	<i>Prrc2a</i> (-251)	N/A
Chr17	35184131	35184254	Chr17.33550	<i>Aif1</i> (-8192), <i>Lst1</i> (+4246)	N/A
Chr17	35199372	35199545	Chr17.33581	<i>Tnf</i> (+2548), <i>Ltb</i> (+5020)	N/A
Chr17	35201949	35202128	Chr17.33606	<i>Tnf</i> (-32)	N/A
Chr17	35205134	35205442	Chr17.33633	<i>Tnf</i> (-3291), <i>Lta</i> (+63)	N/A
Chr17	35218552	35216795	Chr17.33646	<i>Gm16181</i> (-2160)	N/A
Chr17	35218983	35219100	Chr17.33649	<i>Gm16181</i> (-1792)	N/A
Chr17	35219635	35219757	Chr17.33652	<i>Gm16181</i> (-1138)	N/A
Chr17	35220074	35220210	Chr17.33658	<i>Gm16181</i> (-692)	N/A
Chr17	35235705	35235857	Chr17.33676	<i>Atg9a1g</i> (-781), <i>Nfkbi1</i> (+11)	N/A
Chr17	35241734	35241887	Chr17.33693	<i>Ddx59a</i> (-59)	N/A
Chr17	35249181	35249785	Chr17.33715	<i>H2-d1</i> (-13247), <i>Ddx39b</i> (+7613)	N/A
Chr17	35513604	35513713	Chr17.33851	<i>Cchcr1</i> (-3517), <i>Tcf19</i> (+3126)	N/A
Chr17	35686107	35686208	Chr17.34225	<i>Glt2h4</i> (-12419), <i>Dar1</i> (+18441)	N/A
Chr17	35697707	35697913	Chr17.34275	<i>Glt2h4</i> (-24071), <i>Dar1</i> (+6789)	N/A
Chr17	35698033	35698179	Chr17.34277	<i>Glt2h4</i> (-24367), <i>Dar1</i> (+6493)	N/A
Chr17	35702256	35702434	Chr17.34286	<i>Glt2h4</i> (-28606), <i>Dar1</i> (+2254)	N/A
Chr17	35703960	35704165	Chr17.34293	<i>Dar1</i> (+536)	N/A
Chr17	35841116	35841282	Chr17.34431	<i>Tubb5</i> (-2893), <i>Mdc1</i> (-316)	N/A
Chr17	35841641	35841765	Chr17.34440	<i>Tubb5</i> (-3397), <i>Mdc1</i> (+188)	N/A
Chr17	35869296	35869637	Chr17.34539	<i>Dhx16</i> (-10402), <i>Ppp1r10</i> (+2757)	N/A
Chr17	35872550	35872650	Chr17.34550	<i>Dhx16</i> (-7219), <i>Ppp1r10</i> (+5940)	N/A
Chr17	35900837	35900979	Chr17.34689	<i>Z31006104nk</i> (-3477)	N/A
Chr17	35902246	35902418	Chr17.34693	<i>Z31006104nk</i> (-4901)	N/A
Chr17	35916631	35916793	Chr17.34740	<i>Mps18b</i> (-323), <i>Ppp1r10</i> (+146)	N/A
Chr17	35916836	35917011	Chr17.34747	<i>Mps18b</i> (-535), <i>Ppp1r10</i> (+358)	N/A
Chr17	35917152	35917445	Chr17.34750	<i>Mps18b</i> (-910), <i>Ppp1r10</i> (+733)	N/A
Chr17	35917513	35917843	Chr17.34751	<i>Mps18b</i> (-1188), <i>Ppp1r10</i> (+1012)	N/A
Chr17	35917679	35917863	Chr17.34753	<i>Mps18b</i> (-1382), <i>Ppp1r10</i> (+1205)	N/A
Chr17	35917899	35918149	Chr17.34755	<i>Mps18b</i> (-1635), <i>Ppp1r10</i> (+1458)	N/A
Chr17	35918267	35918449	Chr17.34757	<i>Mps18b</i> (-1969), <i>Ppp1r10</i> (+1792)	N/A
Chr17	35918546	35918758	Chr17.34758	<i>Mps18b</i> (-2263), <i>Ppp1r10</i> (+2086)	N/A
Chr17	35919028	35919175	Chr17.34761	<i>Mps18b</i> (-2713), <i>Ppp1r10</i> (+2536)	N/A
Chr17	35919682	35919853	Chr17.34766	<i>Mps18b</i> (-3379), <i>Ppp1r10</i> (+3202)	N/A
Chr17	36271122	36271275	Chr17.35103	<i>Trim39</i> (+368)	N/A
Chr17	37049576	37049804	Chr17.35444	<i>Gabbr1</i> (+3724), <i>Olf90</i> (+36546)	N/A
Chr17	37053317	37053426	Chr17.35455	<i>Gabbr1</i> (+7406), <i>Olf90</i> (+32864)	N/A
Chr17	42576122	42576265	Chr17.35634	<i>Opr5</i> (+35119), <i>Pleoh4</i> (+260247)	N/A
Chr17	42577909	42578018	Chr17.36530	<i>Opr5</i> (-33349), <i>Pleoh4</i> (+262017)	N/A
Chr17	42875255	42875363	Chr17.36857	<i>Adgr2</i> (-133130), <i>Cd2ap</i> (+1115)	N/A
Chr17	43016454	43016802	Chr17.36890	<i>Tnfrsf21</i> (+73)	N/A
Chr17	43018236	43018376	Chr17.36900	<i>Adgr1</i> (-252023), <i>Tnfrsf21</i> (+1751)	N/A
Chr17	43072870	43072769	Chr17.36986	<i>Adgr1</i> (-197609), <i>Tnfrsf21</i> (+56165)	N/A
Chr17	43241223	43241401	Chr17.37083	<i>Adgr1</i> (-29012), <i>Tnfrsf21</i> (+25262)	N/A
Chr17	43251323	43251601	Chr17.37096	<i>Adgr1</i> (-18867), <i>Tnfrsf21</i> (+234907)	N/A
Chr17	43257702	43257923	Chr17.37099	<i>Adgr1</i> (-12516), <i>Tnfrsf21</i> (+241258)	N/A
Chr17	43232971	432330079	Chr17.37234	<i>Adgr1</i> (-59441), <i>Adgr1</i> (+59696)	N/A
Chr17	43330112	43330258	Chr17.37237	<i>Adgr1</i> (-59281), <i>Adgr1</i> (+59856)	N/A
Chr17	43360288	43360413	Chr17.37255	<i>Adgr1</i> (-29115), <i>Adgr1</i> (+90022)	N/A
Chr17	43714373	43714541	Chr17.37922	<i>Rcan2</i> (-67394), <i>Cyp39a1</i> (+47032)	N/A
Chr17	43744581	43744694	Chr17.37947	<i>Rcan2</i> (-57213), <i>Cyp39a1</i> (+77213)	N/A
Chr17	43852524	43852865	Chr17.38070	<i>Enpp5</i> (-126150), <i>Rcan2</i> (+150844)	N/A
Chr17	43852942	43853078	Chr17.38075	<i>Enpp5</i> (-125835), <i>Rcan2</i> (+151159)	N/A
Chr17	43853448	43853550	Chr17.38077	<i>Enpp5</i> (-125346), <i>Rcan2</i> (+151648)	N/A
Chr17	44029439	44029655	Chr17.38124	<i>Enpp5</i> (-52299), <i>Rcan2</i> (+224694)	N/A
Chr17	44039329	44039515	Chr17.38151	<i>Enpp5</i> (-39423), <i>Rcan2</i> (+237571)	N/A
Chr17	44188518	44188640	Chr17.38290	<i>Clic5</i> (+7)	N/A
Chr17	44190455	44190594	Chr17.38296	<i>Supt3</i> (-586627), <i>Clic5</i> (+1953)	N/A
Chr17	44239313	44239469	Chr17.38336	<i>Supt3</i> (-537761), <i>Clic5</i> (+50819)	N/A
Chr17	44261726	44261911	Chr17.38366	<i>Supt3</i> (-515333), <i>Clic5</i> (+73247)	N/A
Chr17	6743910	6744040	Chr17.3840	<i>Exr1</i> (-38609), <i>Sytl3</i> (+70369)	N/A
Chr17	44309868	44310315	Chr17.38449	<i>Supt3</i> (-467060), <i>Clic5</i> (+121520)	N/A
Chr17	44310383	44310530	Chr17.38454	<i>Supt3</i> (-466695), <i>Clic5</i> (+121885)	N/A
Chr17	44321180	44321424	Chr17.38469	<i>Supt3</i> (-455850), <i>Clic5</i> (+132730)	N/A
Chr17	44327805	44328321	Chr17.38479	<i>Supt3</i> (-449089), <i>Clic5</i> (+139491)	N/A
Chr17	44335181	44335413	Chr17.38492	<i>Supt3</i> (-441655), <i>Clic5</i> (+146729)	N/A
Chr17	44337324	44337478	Chr17.38495	<i>Supt3</i> (-439751), <i>Clic5</i> (+148829)	N/A
Chr17	44337520	44337833	Chr17.38497	<i>Supt3</i> (-439475), <i>Clic5</i> (+149105)	N/A
Chr17	44359507	44359609	Chr17.38510	<i>Supt3</i> (-417594), <i>Clic5</i> (+170986)	N/A
Chr17	44367563	44367808	Chr17.38523	<i>Supt3</i> (-409466), <i>Clic5</i> (+179114)	N/A
Chr17	44386250	44386398	Chr17.38570	<i>Supt3</i> (-378828), <i>Clic5</i> (+209752)	N/A
Chr17	44418624	44418815	Chr17.38593	<i>Supt3</i> (-358432), <i>Clic5</i> (+230148)	N/A
Chr17	44418964	44419107	Chr17.38596	<i>Supt3</i> (-358116), <i>Clic5</i> (+230464)	N/A
Chr17	44419783	44419935	Chr17.38600	<i>Supt3</i> (-357293), <i>Clic5</i> (+231287)	N/A
Chr17	44420776	44421023	Chr17.38605	<i>Supt3</i> (-356252), <i>Clic5</i> (+232328)	N/A
Chr17	44431722	44431857	Chr17.38624	<i>Supt3</i> (-345362), <i>Clic5</i> (+243218)	N/A
Chr17	44432607	44432849	Chr17.38632	<i>Supt3</i> (-344424), <i>Clic5</i> (+244156)	N/A
Chr17	44432908	44433169	Chr17.38635	<i>Supt3</i> (-344113), <i>Clic5</i> (+244467)	N/A
Chr17	44436008	44436725	Chr17.38645	<i>Supt3</i> (-340485), <i>Clic5</i> (+248095)	N/A
Chr17	44440787	44440978	Chr17.38652	<i>Supt3</i> (-336269), <i>Clic5</i> (+252311)	N/A
Chr17	44456019	44456134	Chr17.38667	<i>Supt3</i> (-321075), <i>Clic5</i> (+267505)	N/A
Chr17	44489783	44489951	Chr17.38683	<i>Supt3</i> (-287285), <i>Clic5</i> (+301295)	N/A
Chr17	44490295	44490423	Chr17.38688	<i>Supt3</i> (-286793), <i>Clic5</i> (+301787)	N/A
Chr17	44496678	44496781	Chr17.38693	<i>Supt3</i> (-280422), <i>Clic5</i> (+308158)	N/A
Chr17	44497134	44497258	Chr17.38700	<i>Supt3</i> (-279956), <i>Clic5</i> (+308624)	N/A
Chr17	44500247	44500388	Chr17.38706	<i>Supt3</i> (-276834), <i>Clic5</i> (+311746)	N/A
Chr17	44500547	44500746	Chr17.38708	<i>Supt3</i> (-276505), <i>Clic5</i> (+312075)	N/A
Chr17	44504778	44504944	Chr17.38716	<i>Supt3</i> (-272291), <i>Clic5</i> (+316289)	N/A
Chr17	44505655	44505773	Chr17.38724	<i>Supt3</i> (-271438), <i>Clic5</i> (+317442)	N/A
Chr17	44510888	44511074	Chr17.38737	<i>Supt3</i> (-266171), <i>Clic5</i> (+3224009)	N/A
Chr17	44519615	44519751	Chr17.38755	<i>Supt3</i> (-257469), <i>Clic5</i> (+331111)	N/A
Chr17	44520714	44520862	Chr17.38764	<i>Supt3</i> (-256364), <i>Clic5</i> (+332216)	N/A
Chr17	44520897	44521129	Chr17.38767	<i>Supt3</i> (-256139), <i>Clic5</i> (+332441)	N/A
Chr17	44525892	44525785	Chr17.38783	<i>Supt3</i> (-246463), <i>Clic5</i> (+340117)	N

Chr17		44548016	44548209	Chr17.38798	Supt3(-229039), Cdc5(+359541)	N/A
Chr17		44557761	44558022	Chr17.38802	Supt3(-219260), Cdc5(+369320)	N/A
Chr17		44565278	44565898	Chr17.38828	Supt3(-211504), Cdc5(+377019)	N/A
Chr17		44569055	44569201	Chr17.38834	Supt3(-211024), Cdc5(+377556)	N/A
Chr17		44588045	44588259	Chr17.38860	Supt3(-189000), Cdc5(+399580)	N/A
Chr17		44592271	44592661	Chr17.38871	Supt3(-184686), Cdc5(+403894)	N/A
Chr17		44592706	44593020	Chr17.38875	Supt3(-184289), Cdc5(+404291)	N/A
Chr17		44597845	44598029	Chr17.38886	Supt3(-179215), Cdc5(+409365)	N/A
Chr17		44598133	44598426	Chr17.38890	Supt3(-178872), Cdc5(+409708)	N/A
Chr17		44601596	44601830	Chr17.38895	Supt3(-175389), Cdc5(+413191)	N/A
Chr17		44610601	44610707	Chr17.38936	Supt3(-166498), Cdc5(+422082)	N/A
Chr17		6860487	6860727	Chr17.3895	Ezr(-77823), Rph3b(+87749)	N/A
Chr17		44623461	44623851	Chr17.38965	Supt3(-153496), Cdc5(+435084)	N/A
Chr17		44623950	44624124	Chr17.38967	Supt3(-153115), Cdc5(+435465)	N/A
Chr17		44629427	44629631	Chr17.38971	Supt3(-147623), Cdc5(+440957)	N/A
Chr17		44631551	44631885	Chr17.38973	Supt3(-145434), Cdc5(+443146)	N/A
Chr17		44638519	44638807	Chr17.38991	Supt3(-138489), Cdc5(+450091)	N/A
Chr17		44645241	44645348	Chr17.39005	Supt3(-131857), Cdc5(+456723)	N/A
Chr17		44669661	44669802	Chr17.39043	Supt3(-107420), Cdc5(+481160)	N/A
Chr17		44669399	44670046	Chr17.39045	Supt3(-107159), Cdc5(+481421)	N/A
Chr17		44670154	44670262	Chr17.39048	Supt3(-106944), Cdc5(+481636)	N/A
Chr17		44670348	44670554	Chr17.39049	Supt3(-106701), Cdc5(+481879)	N/A
Chr17		44670858	44671073	Chr17.39055	Supt3(-106186), Cdc5(+482394)	N/A
Chr17		44677375	44677500	Chr17.39064	Supt3(-99714), Cdc5(+488866)	N/A
Chr17		44682841	44682957	Chr17.39074	Supt3(-94253), Cdc5(+494327)	N/A
Chr17		44683110	44683291	Chr17.39077	Supt3(-93951), Cdc5(+494529)	N/A
Chr17		44683331	44683494	Chr17.39079	Supt3(-93739), Cdc5(+494841)	N/A
Chr17		44689514	44689694	Chr17.39093	Supt3(-87548), Cdc5(+501032)	N/A
Chr17		44703278	44703391	Chr17.39111	Supt3(-73817), Cdc5(+514763)	N/A
Chr17		44709872	44710122	Chr17.39119	Supt3(-67155), Cdc5(+521425)	N/A
Chr17		44717654	44717916	Chr17.39135	Supt3(-59367), Cdc5(+529213)	N/A
Chr17		44718167	44718337	Chr17.39136	Supt3(-58900), Cdc5(+529680)	N/A
Chr17		44718370	44718640	Chr17.39137	Supt3(-58647), Cdc5(+529833)	N/A
Chr17		44725054	44725212	Chr17.39155	Supt3(-52019), Cdc5(+536561)	N/A
Chr17		44730381	44730566	Chr17.39162	Supt3(-46678), Cdc5(+541902)	N/A
Chr17		44731857	44731987	Chr17.39177	Supt3(-45230), Cdc5(+543350)	N/A
Chr17		44732049	44732275	Chr17.39178	Supt3(-44980), Cdc5(+543590)	N/A
Chr17		44732666	44732768	Chr17.39183	Supt3(-44435), Cdc5(+544145)	N/A
Chr17		44733537	44733834	Chr17.39185	Supt3(-43466), Cdc5(+545114)	N/A
Chr17		44737278	44737482	Chr17.39197	Supt3(-39772), Cdc5(+548808)	N/A
Chr17		44739076	44739446	Chr17.39202	Supt3(-37891), Cdc5(+550689)	N/A
Chr17		44804825	44805221	Chr17.39251	Runx2(-97744), Supt3(+27871)	N/A
Chr17		44805395	44805628	Chr17.39255	Runx2(-91555), Supt3(+28460)	N/A
Chr17		44810672	44811367	Chr17.39269	Runx2(-3777), Supt3(+33868)	N/A
Chr17		44812933	44813045	Chr17.39279	Runx2(+1808), Supt3(+35837)	N/A
Chr17		44813693	44813800	Chr17.39283	Runx2(+1050), Supt3(+36595)	N/A
Chr17		44814104	44814760	Chr17.39285	Runx2(+365)	N/A
Chr17		44815187	44815572	Chr17.39287	Runx2(-583)	N/A
Chr17		44815779	44816285	Chr17.39290	Runx2(-1235)	N/A
Chr17		44842268	44842723	Chr17.39321	Runx2(-27699), Cdc5(+591211)	N/A
Chr17		44878573	44878755	Chr17.39351	Runx2(-63867), Cdc5(+555034)	N/A
Chr17		44990407	44990728	Chr17.39413	Runx2(-175771), Cdc5(+443139)	N/A
Chr17		44990763	44991107	Chr17.39417	Runx2(-176148), Cdc5(+442762)	N/A
Chr17		45004757	45005077	Chr17.39431	Runx2(-190120), Cdc5(+426749)	N/A
Chr17		45003275	45003279	Chr17.39456	Runx2(-217630), Cdc5(+401280)	N/A
Chr17		45033891	45034094	Chr17.39463	Runx2(-219196), Cdc5(+399714)	N/A
Chr17		45035323	45035479	Chr17.39474	Runx2(-220604), Cdc5(+398306)	N/A
Chr17		45048749	45048915	Chr17.39497	Runx2(-234039), Cdc5(+384875)	N/A
Chr17		45052213	45052314	Chr17.39506	Runx2(-237467), Cdc5(+381443)	N/A
Chr17		45054597	45054981	Chr17.39510	Runx2(-239992), Cdc5(+378918)	N/A
Chr17		45055319	45055499	Chr17.39512	Runx2(-240612), Cdc5(+378298)	N/A
Chr17		45055769	45055925	Chr17.39515	Runx2(-241050), Cdc5(+377860)	N/A
Chr17		45056685	45056911	Chr17.39519	Runx2(-242001), Cdc5(+376909)	N/A
Chr17		45058393	45058405	Chr17.39530	Runx2(-249177), Cdc5(+369733)	N/A
Chr17		45072257	45072874	Chr17.39541	Runx2(-258019), Cdc5(+360891)	N/A
Chr17		45073282	45073537	Chr17.39544	Runx2(-258613), Cdc5(+360297)	N/A
Chr17		45078521	45078636	Chr17.39553	Runx2(-263782), Cdc5(+355128)	N/A
Chr17		45081471	45082180	Chr17.39558	Runx2(-267029), Cdc5(+351881)	N/A
Chr17		45082216	45082545	Chr17.39566	Runx2(-267584), Cdc5(+351326)	N/A
Chr17		45083263	45083438	Chr17.39573	Runx2(-268594), Cdc5(+350356)	N/A
Chr17		45086521	45086716	Chr17.39588	Runx2(-271822), Cdc5(+347088)	N/A
Chr17		45088524	45088650	Chr17.39598	Runx2(-273790), Cdc5(+345120)	N/A
Chr17		45118702	45119076	Chr17.39617	Runx2(-304092), Cdc5(+314818)	N/A
Chr17		45119129	45119501	Chr17.39622	Runx2(-304518), Cdc5(+314392)	N/A
Chr17		45120243	45120484	Chr17.39629	Runx2(-305567), Cdc5(+313343)	N/A
Chr17		45120648	45120835	Chr17.39633	Runx2(-305949), Cdc5(+312965)	N/A
Chr17		45144694	45144937	Chr17.39666	Runx2(-330019), Cdc5(+288891)	N/A
Chr17		45152926	45153116	Chr17.39680	Runx2(-338224), Cdc5(+280686)	N/A
Chr17		45169595	45169769	Chr17.39690	Runx2(-354885), Cdc5(+264025)	N/A
Chr17		45176338	45176604	Chr17.39692	Runx2(-361674), Cdc5(+257236)	N/A
Chr17		45193458	45193569	Chr17.39705	Runx2(-378717), Cdc5(+240193)	N/A
Chr17		45193648	45193811	Chr17.39706	Runx2(-378933), Cdc5(+239917)	N/A
Chr17		45195103	45195344	Chr17.39709	Runx2(-380427), Cdc5(+238483)	N/A
Chr17		45195406	45195551	Chr17.39713	Runx2(-380682), Cdc5(+238228)	N/A
Chr17		45209024	45209379	Chr17.39722	Runx2(-394405), Cdc5(+224505)	N/A
Chr17		45215487	45215687	Chr17.39727	Runx2(-400790), Cdc5(+218120)	N/A
Chr17		45217263	45217326	Chr17.39737	Runx2(-402468), Cdc5(+216442)	N/A
Chr17		45226500	45226608	Chr17.39752	Runx2(-411757), Cdc5(+207153)	N/A
Chr17		45243218	45243400	Chr17.39759	Runx2(-428512), Cdc5(+190398)	N/A
Chr17		45247805	45247925	Chr17.39766	Runx2(-433068), Cdc5(+185842)	N/A
Chr17		45250158	45250353	Chr17.39769	Runx2(-435459), Cdc5(+183451)	N/A
Chr17		45277160	45277492	Chr17.39813	Runx2(-462529), Cdc5(+156381)	N/A
Chr17		45279319	45279430	Chr17.39820	Runx2(-464578), Cdc5(+154332)	N/A
Chr17		45280046	45280183	Chr17.39825	Runx2(-465318), Cdc5(+153592)	N/A
Chr17		45289144	45289299	Chr17.39835	Runx2(-474428), Cdc5(+144485)	N/A
Chr17		45292519	45292724	Chr17.39837	Runx2(-477825), Cdc5(+141085)	N/A
Chr17		45292993	45293146	Chr17.39842	Runx2(-478273), Cdc5(+140837)	N/A
Chr17		45312823	45313240	Chr17.39860	Runx2(-498285), Cdc5(+120625)	N/A
Chr17		45318180	45318336	Chr17.39872	Runx2(-503481), Cdc5(+115449)	N/A
Chr17		45319485	45319628	Chr17.39876	Runx2(-504760), Cdc5(+114150)	N/A
Chr17		45320361	45320475	Chr17.39878	Runx2(-505621), Cdc5(+113289)	N/A
Chr17		45320575	45320768	Chr17.39881	Runx2(-505875), Cdc5(+113035)	N/A
Chr17		45321009	45321114	Chr17.39883	Runx2(-506265), Cdc5(+112645)	N/A
Chr17		45326728	45326913	Chr17.39892	Runx2(-512024), Cdc5(+106886)	N/A
Chr17		45327011	45327151	Chr17.39895	Runx2(-512284), Cdc5(+106626)	N/A
Chr17		45359525	45359814	Chr17.39930	Runx2(-544873), Cdc5(+74037)	N/A
Chr17		45371135	45371418	Chr17.39941	Runx2(-556480), Cdc5(+62430)	N/A
Chr17		45377011	45377203	Chr17.39946	Runx2(-562310), Cdc5(+56600)	N/A
Chr17		45377261	45377397	Chr17.39951	Runx2(-562532), Cdc5(+56378)	N/A
Chr17		45399770	45400116	Chr17.39970	Runx2(-585148), Cdc5(+33764)	N/A
Chr17		45400865	45401259	Chr17.39976	Runx2(-586265), Cdc5(+32645)	N/A
Chr17		45402105	45403083	Chr17.39980	Runx2(-587797), Cdc5(+31113)	N/A
Chr17		45403132	45403235	Chr17.39985	Runx2(-588387), Cdc5(+30523)	N/A
Chr17		45456814	45456943	Chr17.40030	Cdc5(-23172), Spats1(+18059)	N/A
Chr17		45494444	45494686	Chr17.40047	Spats1(-19577), Aar2(-12226)	N/A
Chr17		45541951	45542109	Chr17.40228	Tmem151b(+7647), Tcte1(+18598)	N/A
Chr17		45549726	45549832	Chr17.40246	Tmem151b(-102)	N/A
Chr17		45557469	45557592	Chr17.40266	Slc35b2(-6433), Nfkbi(+1815)	N/A
Chr17		45572464	45572610	Chr17.40369	Hsp90ab1(+734)	N/A
Chr17		45573255	45573397	Chr17.40376	Hsp90ab1(-55)	N/A
Chr17		7572298	7577422	Chr17.4050	Unc53bc2(-192055), Fnc1(+227614)	N/A
Chr17		45674910	45675024	Chr17.40642	Capn11(-15642), Tmem63b(+11282)	N/A
Chr17		45678771	45679024	Chr17.40657	Capn11(-19573), Tmem63b(+7361)	N/A
Chr17		45680672	45680778	Chr17.40667	Capn11(-21400), Tmem63b(+5534)	N/A
Chr17		45701027	45701288	Chr17.40704	Mpl14(+14835), 1600014c23nk(+32687)	N/A
Chr17		45733363	45733627	Chr17.40725	1600014c23nk(+379)	N/A
Chr17		45735919	45736035	Chr17.40737	1600014c23nk(-2133)	N/A
Chr17		45748343	45748609	Chr17.40747	1600014c23nk(-14632), Vegfa(+283893)	N/A
Chr17		45749148	45749312	Chr17.40751	1600014c23nk(-15386), Vegfa(+283139)	N/A
Chr17		45752197	45752306	Chr17.40755	1600014c23nk(-18408), Vegfa(+280117)	N/A
Chr17		45761152	45761323	Chr17.40774	1600014c23nk(-27394), Vegfa(+271131)	N/A
Chr17		45784607	45784767	Chr17.40797	1600014c23nk(-50843), Vegfa(+247862)	N/A
Chr17		45796640	45796791	Chr17.40819	1600014c23nk(-64872), Vegfa(+233653)	N/A
Chr17		45805829	45806087	Chr17.40829	1600014c23nk(-72114), Vegfa(+226411)	N/A
Chr17		45807447	45807674	Chr17.40833	1600014c23nk(-73717), Vegfa(+224808)	N/A
Chr17		45812512	45812705	Chr17.40846	1600014c23nk(-78765), Vegfa(+219760)	N/A
Chr17		45816304	45816304	Chr17.40855	1600014c23nk(-82392), Vegfa(+216153)	N/A
Chr17		45816728	45816850	Chr17.40859	1600014c23nk(-82945), Vegfa(+215590)	N/A

Chr17		45822543	45822664	Chr17.410860	1600014c23rik(-88760), Vegfa(+209765)	N/A
Chr17		45841366	45841546	Chr17.40889	1600014c23rik(-107612), Vegfa(+190913)	N/A
Chr17		45847712	45847813	Chr17.40876	1600014c23rik(-113919), Vegfa(+194606)	N/A
Chr17		45848695	45848848	Chr17.40885	1600014c23rik(-114928), Vegfa(+183597)	N/A
Chr17		45859496	45859692	Chr17.40889	1600014c23rik(-125750), Vegfa(+172775)	N/A
Chr17		7634504	7634628	Chr17.4089	Unc93a2(-249261), Fndc1(+170408)	N/A
Chr17		45869212	45869488	Chr17.40901	1600014c23rik(-135506), Vegfa(+163019)	N/A
Chr17		45872354	45872488	Chr17.40910	1600014c23rik(-138577), Vegfa(+159948)	N/A
Chr17		45873197	45873354	Chr17.40915	1600014c23rik(-139432), Vegfa(+159093)	N/A
Chr17		45873696	45873688	Chr17.40920	1600014c23rik(-139793), Vegfa(+158732)	N/A
Chr17		45873898	45874063	Chr17.40923	1600014c23rik(-140137), Vegfa(+158388)	N/A
Chr17		45896843	45896948	Chr17.40942	1600014c23rik(-163052), Vegfa(+135473)	N/A
Chr17		45897573	45897695	Chr17.40949	1600014c23rik(-163790), Vegfa(+134735)	N/A
Chr17		45903403	45903515	Chr17.40953	1600014c23rik(-169615), Vegfa(+128910)	N/A
Chr17		45919418	45919564	Chr17.40973	1600014c23rik(-185647), Vegfa(+112878)	N/A
Chr17		45919797	45919956	Chr17.40976	1600014c23rik(-196033), Vegfa(+112492)	N/A
Chr17		45925994	45926220	Chr17.40980	1600014c23rik(-192263), Vegfa(+106262)	N/A
Chr17		45929779	45929903	Chr17.40985	1600014c23rik(-195997), Vegfa(+102528)	N/A
Chr17		45934044	45934189	Chr17.40989	1600014c23rik(-200273), Vegfa(+98252)	N/A
Chr17		45934222	45934401	Chr17.40996	1600014c23rik(-200468), Vegfa(+98057)	N/A
Chr17		45936796	45936987	Chr17.40996	1600014c23rik(-203003), Vegfa(+95522)	N/A
Chr17		45948481	45948587	Chr17.41009	1600014c23rik(-214690), Vegfa(+83835)	N/A
Chr17		45970969	45971129	Chr17.41031	1600014c23rik(-237205), Vegfa(+61320)	N/A
Chr17		46013668	46013945	Chr17.41072	1600014c23rik(-279963), Vegfa(+18562)	N/A
Chr17		46024589	46024716	Chr17.41112	1600014c23rik(-290809), Vegfa(+7716)	N/A
Chr17		46026151	46026328	Chr17.41123	1600014c23rik(-292386), Vegfa(+61129)	N/A
Chr17		46027702	46027863	Chr17.41129	1600014c23rik(-293839), Vegfa(+4586)	N/A
Chr17		46028782	46028937	Chr17.41134	1600014c23rik(-295016), Vegfa(+3509)	N/A
Chr17		46031282	46031599	Chr17.41144	Vegfa(+928)	N/A
Chr17		46031680	46031790	Chr17.41145	Vegfa(+634)	N/A
Chr17		46031885	46031990	Chr17.41147	Vegfa(+431)	N/A
Chr17		46033244	46033366	Chr17.41155	Vegfa(+336)	N/A
Chr17		46033407	46033556	Chr17.41157	Vegfa(-1113)	N/A
Chr17		46049740	46049914	Chr17.41167	Mps18a(-61159), Vegfa(-17458)	N/A
Chr17		46053464	46053646	Chr17.41174	Mps18a(-57431), Vegfa(-21186)	N/A
Chr17		46056741	46056856	Chr17.41184	Mps18a(-54187), Vegfa(-24430)	N/A
Chr17		46060411	46060610	Chr17.41188	Mps18a(-50475), Vegfa(-28142)	N/A
Chr17		46063302	46063512	Chr17.41192	Mps18a(-47579), Vegfa(-31038)	N/A
Chr17		46073907	46074126	Chr17.41195	Vegfa(-41648), Mps18a(-36969)	N/A
Chr17		46084172	46084403	Chr17.41212	Vegfa(-51919), Mps18a(-26698)	N/A
Chr17		46098543	46098649	Chr17.41222	Vegfa(-68227), Mps18a(-12390)	N/A
Chr17		46114858	46114960	Chr17.41240	Mps18a(-3938), Rsp9(+26252)	N/A
Chr17		46115253	46115414	Chr17.41242	Mps18a(-41349), Rsp9(+26852)	N/A
Chr17		46115473	46115826	Chr17.41245	Mps18a(-4664), Rsp9(+28566)	N/A
Chr17		46116127	46116391	Chr17.41249	Mps18a(-5273), Rsp9(+27957)	N/A
Chr17		7718932	7719060	Chr17.4125	Unc93a2(-333691), Fndc1(+85978)	N/A
Chr17		46124081	46124263	Chr17.41266	Mps18a(+13172), Rsp9(+20058)	N/A
Chr17		46126799	46126918	Chr17.41279	Mps18a(+15873), Rsp9(+17357)	N/A
Chr17		7731405	7731509	Chr17.4128	Unc93a2(-346152), Fndc1(+73517)	N/A
Chr17		46127808	46127976	Chr17.41281	Rsp9(+16324), Mps18a(+16906)	N/A
Chr17		46129819	46130205	Chr17.41304	Rsp9(+14204), Mps18a(+19026)	N/A
Chr17		46160386	46160620	Chr17.41361	Gtpbp2(-529)	N/A
Chr17		46168142	46168526	Chr17.41409	Gtpbp2(+7302), Polh(+34291)	N/A
Chr17		46168949	46168825	Chr17.41417	Gtpbp2(+7705), Polh(+33868)	N/A
Chr17		46242298	46242416	Chr17.41548	Polr1c(+5697), Xpo5(+39502)	N/A
Chr17		46260838	46260994	Chr17.41669	Lrrc73(+6751), Tjap1(+22110)	N/A
Chr17		46261847	46261946	Chr17.41676	Lrrc73(+7732), Tjap1(+21129)	N/A
Chr17		46264876	46265028	Chr17.41685	Lrrc73(+10787), Tjap1(+18074)	N/A
Chr17		46266042	46266147	Chr17.41688	Lrrc73(+11830), Tjap1(+16931)	N/A
Chr17		46266183	46266285	Chr17.41691	Lrrc73(+12069), Tjap1(+16792)	N/A
Chr17		46266412	46266528	Chr17.41693	Lrrc73(+12305), Tjap1(+16556)	N/A
Chr17		46268071	46268278	Chr17.41695	Lrrc73(+14010), Tjap1(+14851)	N/A
Chr17		46269853	46270027	Chr17.41699	Tjap1(+13086), Lrrc73(+15778)	N/A
Chr17		46271766	46271960	Chr17.41705	Tjap1(+11163), Lrrc73(+17698)	N/A
Chr17		46282896	46282507	Chr17.41714	Tjap1(+429)	N/A
Chr17		46284792	46284949	Chr17.41719	Tjap1(-1845)	N/A
Chr17		46442423	46442531	Chr17.42096	Slc22a7(-4000), Gm5093(-2378)	N/A
Chr17		46443201	46443402	Chr17.42100	Slc22a7(-4825), Gm5093(-3203)	N/A
Chr17		46454112	46454346	Chr17.42143	Gm5093(-14130), Tlkb1(+33446)	N/A
Chr17		46454895	46455100	Chr17.42149	Gm5093(-14946), Tlkb1(+32627)	N/A
Chr17		46455145	46455270	Chr17.42150	Gm5093(-15109), Tlkb1(+32467)	N/A
Chr17		46460726	46461136	Chr17.42161	Gm5093(-20832), Tlkb1(+26744)	N/A
Chr17		46483610	46483771	Chr17.42227	Gm5093(-43592), Tlkb1(+3984)	N/A
Chr17		46547029	46547165	Chr17.42430	Cu9(-709)	N/A
Chr17		46547574	46548150	Chr17.42436	Cu9(-1474)	N/A
Chr17		46548619	46548830	Chr17.42448	Cu9(-2337)	N/A
Chr17		46552868	46553056	Chr17.42472	Cu9(-6574), Srf(+3200)	N/A
Chr17		46553183	46553429	Chr17.42479	Cu9(-6918), Srf(+2856)	N/A
Chr17		46556143	46556409	Chr17.42491	Srf(-114)	N/A
Chr17		7801560	7801687	Chr17.4253	Unc93a2(-416319), Fndc1(+3350)	N/A
Chr17		46594829	46594998	Chr17.42629	Srf(-38752), Plk7(+34590)	N/A
Chr17		46602250	46602365	Chr17.42632	Srf(-48161), Plk7(+27181)	N/A
Chr17		46605270	46605423	Chr17.42640	Srf(-49185), Plk7(+24157)	N/A
Chr17		46612924	46613156	Chr17.42642	Srf(-56878), Plk7(+16464)	N/A
Chr17		46613469	46613579	Chr17.42646	Srf(-57362), Plk7(+15980)	N/A
Chr17		46629953	46630146	Chr17.42686	Plk7(-546)	N/A
Chr17		46630186	46630321	Chr17.42688	Plk7(-750)	N/A
Chr17		46630350	46630505	Chr17.42690	Plk7(-924)	N/A
Chr17		46630807	46630940	Chr17.42693	Plk7(-1370)	N/A
Chr17		46645132	46645272	Chr17.42736	Mps2(-1027), Klc4(-58)	N/A
Chr17		46645754	46645853	Chr17.42740	Cu17(-4533), Klc4(-660), Mps2(-425)	N/A
Chr17		46646008	46646125	Chr17.42745	Cu17(-4270), Klc4(-923), Mps2(-162)	N/A
Chr17		46674557	46674685	Chr17.42929	Rp36(-371)	N/A
Chr17		46678862	46679019	Chr17.42963	Rp36(-4686), Mea1(-2196)	N/A
Chr17		46680703	46680889	Chr17.42968	Mea1(-341), Khdc3(+134)	N/A
Chr17		46680986	46681093	Chr17.42974	Khdc3(-110), Mea1(-97)	N/A
Chr17		46703579	46703704	Chr17.43048	Ppp25c(+1360), Mea1(+22505)	N/A
Chr17		46704230	46704346	Chr17.43051	Ppp25c(+714)	N/A
Chr17		46704643	46705194	Chr17.43053	Ppp25c(+83)	N/A
Chr17		7925840	7925973	Chr17.4308	Tagap(-93)	N/A
Chr17		7927399	7927562	Chr17.4319	Rsp3a(-18172), Tagap(+1481)	N/A
Chr17		46832216	46832453	Chr17.43340	Bicral(-922)	N/A
Chr17		46860149	46860416	Chr17.43345	Bicral(-28870), A330017a19rik(+30122)	N/A
Chr17		47049562	47049164	Chr17.43354	Gm945(-3019)	N/A
Chr17		47065319	47065454	Chr17.43358	Tref1(-75555), Gm4945(-22348)	N/A
Chr17		47139241	47139357	Chr17.43570	Tref1(-1643)	N/A
Chr17		47140284	47140384	Chr17.43575	Tref1(-608)	N/A
Chr17		47140664	47140775	Chr17.43578	Tref1(-222)	N/A
Chr17		47140918	47141114	Chr17.43581	Tref1(+74)	N/A
Chr17		47141149	47141439	Chr17.43583	Tref1(-352)	N/A
Chr17		47141671	47141910	Chr17.43585	Tref1(+849)	N/A
Chr17		47142110	47142292	Chr17.43588	Mps10(-226690), Tref1(+1259)	N/A
Chr17		47143398	47143540	Chr17.43604	Mps10(-225422), Tref1(+2527)	N/A
Chr17		47143730	47143879	Chr17.43606	Mps10(-225080), Tref1(+2863)	N/A
Chr17		47143981	47144179	Chr17.43608	Mps10(-224811), Tref1(+3138)	N/A
Chr17		47144619	47144739	Chr17.43610	Mps10(-224212), Tref1(+3737)	N/A
Chr17		47151609	47151756	Chr17.43621	Mps10(-217208), Tref1(+10741)	N/A
Chr17		47151876	47152289	Chr17.43622	Mps10(-216808), Tref1(+11141)	N/A
Chr17		47152383	47152541	Chr17.43625	Mps10(-216429), Tref1(+11520)	N/A
Chr17		47168428	47168428	Chr17.43630	Mps10(-200527), Tref1(+27422)	N/A
Chr17		47171217	47171354	Chr17.43635	Mps10(-197605), Tref1(+30244)	N/A
Chr17		47182313	47182453	Chr17.43652	Mps10(-186508), Tref1(+41441)	N/A
Chr17		47196791	47196901	Chr17.43660	Mps10(-172045), Tref1(+55904)	N/A
Chr17		47199356	47199481	Chr17.43662	Mps10(-169472), Tref1(+58477)	N/A
Chr17		47204514	47204672	Chr17.43667	Mps10(-164298), Tref1(+63851)	N/A
Chr17		47276772	47276957	Chr17.43714	Mps10(-90208), Tref1(+35922)	N/A
Chr17		47284433	47284538	Chr17.43718	Mps10(-84405), Tref1(+143544)	N/A
Chr17		47304843	47305018	Chr17.43741	Mps10(-63960), Tref1(+163989)	N/A
Chr17		47314333	47314575	Chr17.43756	Mps10(-54437), Tref1(+173512)	N/A
Chr17		47319456	47319744	Chr17.43782	Mps10(-49291), Tref1(+178658)	N/A
Chr17		47322498	47322617	Chr17.43787	Mps10(-46333), Tref1(+181616)	N/A
Chr17		47323437	47323668	Chr17.43798	Mps10(-45338), Tref1(+162611)	N/A
Chr17		47326719	47326865	Chr17.43807	Mps10(-42099), Tref1(+185850)	N/A
Chr17		47333513	47333697	Chr17.43823	Mps10(-35286), Tref1(+192663)	N/A
Chr17		47353637	47353776	Chr17.43845	Mps10(-15184), Tref1(+212765)	N/A
Chr17		47350892	47361130	Chr17.43866	Mps10(-7895), Tref1(+220054)	N/A
Chr17		47441763	47441904	Chr17.43967	1700001c19rik(-4459)	N/A
Chr17		47451287	47451419	Chr17.43974	1700001c19rik(-13978), Tag6(+50934)	N/A

Chr17	47505012	47505142	Chr17.440059	Taf8(-2790),Cnd3(+26)	N/A
Chr17	47508128	47508274	Chr17.440064	Cnd3(+3150),Bysl(+103291)	N/A
Chr17	47515542	47515661	Chr17.440068	Cnd3(+10357),Bysl(+95890)	N/A
Chr17	47531565	47531688	Chr17.440080	Cnd3(+26576),Bysl(+9885)	N/A
Chr17	47535895	47536054	Chr17.440084	Cnd3(+30924),Bysl(+75517)	N/A
Chr17	47545972	47546233	Chr17.440093	Cnd3(+41052),Bysl(+65389)	N/A
Chr17	47556815	47556945	Chr17.440097	Cnd3(+51829),Bysl(+54612)	N/A
Chr17	47595152	47595407	Chr17.44114	Bysl(+16212),Cnd3(+90229)	N/A
Chr17	47595586	47595745	Chr17.44119	Bysl(+15828),Cnd3(+90815)	N/A
Chr17	47595893	47596137	Chr17.44120	Bysl(+15477),Cnd3(+9084)	N/A
Chr17	47596760	47596909	Chr17.44123	Bysl(+14657),Cnd3(+91784)	N/A
Chr17	47599583	47599689	Chr17.44153	Bysl(+11856),Cnd3(+94585)	N/A
Chr17	47630234	47630407	Chr17.44220	Usp49(-369)	N/A
Chr17	47630990	47631170	Chr17.44224	Usp49(-369)	N/A
Chr17	47638578	47638813	Chr17.44239	Usp49(-8006),Tomm6(+49487)	N/A
Chr17	47651607	47651782	Chr17.44253	Usp49(-21005),Tomm6(+36488)	N/A
Chr17	47739467	47739797	Chr17.44511	Tfeb(-46088),Pgc(+12790)	N/A
Chr17	47748789	47748952	Chr17.44516	Tfeb(-36849),Pgc(+22029)	N/A
Chr17	47753208	47753342	Chr17.44521	Tfeb(-32445),Pgc(+26433)	N/A
Chr17	47763265	47763229	Chr17.44540	Tfeb(-22573),Pgc(+36305)	N/A
Chr17	47792285	47792438	Chr17.44602	Tfeb(+6542),Mdf1(+42329)	N/A
Chr17	47796216	47796448	Chr17.44613	Tfeb(+10612),Mdf1(+38359)	N/A
Chr17	47803186	47803328	Chr17.44616	Tfeb(+17537),Mdf1(+31434)	N/A
Chr17	47811383	47811607	Chr17.44618	Mdf1(+23196),Tfeb(+25775)	N/A
Chr17	47821417	47821554	Chr17.44636	Mdf1(+13205),Tfeb(+35766)	N/A
Chr17	47822894	47823118	Chr17.44642	Mdf1(+16336),Tfeb(+37335)	N/A
Chr17	47830820	47830928	Chr17.44656	Mdf1(+3817),Tfeb(+45154)	N/A
Chr17	47832397	47832516	Chr17.44665	Mdf1(+2234),Tfeb(+46737)	N/A
Chr17	47867348	47867518	Chr17.44686	Mdf1(-32742),Foxp4(+57002)	N/A
Chr17	47877420	47877601	Chr17.44732	Mdf1(-42820),Foxp4(+46924)	N/A
Chr17	47887620	47887735	Chr17.44759	Mdf1(-52987),Foxp4(+36757)	N/A
Chr17	47898494	47898675	Chr17.44773	Mdf1(-63894),Foxp4(+25850)	N/A
Chr17	47899301	47899484	Chr17.44778	Mdf1(-64702),Foxp4(+25042)	N/A
Chr17	47907853	47908033	Chr17.44789	Mdf1(-73252),Foxp4(+16492)	N/A
Chr17	47909530	47909823	Chr17.44791	Mdf1(-74986),Foxp4(+14758)	N/A
Chr17	47930335	47930518	Chr17.44808	Foxp4(-5992),1700122011nk(+107866)	N/A
Chr17	47933678	47933778	Chr17.44811	Foxp4(-6293),1700122011nk(+107565)	N/A
Chr17	47943188	47943390	Chr17.44812	Foxp4(-18854),1700122011nk(+95004)	N/A
Chr17	47947187	47947398	Chr17.44816	Foxp4(-22858),1700122011nk(+91000)	N/A
Chr17	47952555	47952718	Chr17.44821	Foxp4(-28202),1700122011nk(+85656)	N/A
Chr17	47955121	47955471	Chr17.44823	Foxp4(-30861),1700122011nk(+82997)	N/A
Chr17	47961073	47961234	Chr17.44834	Foxp4(-38719),1700122011nk(+77139)	N/A
Chr17	47966239	47966383	Chr17.44838	Foxp4(-41876),1700122011nk(+71982)	N/A
Chr17	47974110	47974213	Chr17.44843	Foxp4(-49727),1700122011nk(+64131)	N/A
Chr17	47975282	47975517	Chr17.44845	Foxp4(-50965),1700122011nk(+62893)	N/A
Chr17	47975744	47975948	Chr17.44848	Foxp4(-51411),1700122011nk(+62447)	N/A
Chr17	47976025	47976153	Chr17.44851	Foxp4(-51654),1700122011nk(+62204)	N/A
Chr17	47976598	47976700	Chr17.44852	Foxp4(-52214),1700122011nk(+61644)	N/A
Chr17	47979020	47979168	Chr17.44856	Foxp4(-54659),1700122011nk(+59199)	N/A
Chr17	47981661	47981914	Chr17.44862	Foxp4(-57353),1700122011nk(+56505)	N/A
Chr17	47981963	47982094	Chr17.44864	Foxp4(-57594),1700122011nk(+56264)	N/A
Chr17	47986919	47987192	Chr17.44867	Foxp4(-62621),1700122011nk(+51237)	N/A
Chr17	48008459	48008679	Chr17.44891	Foxp4(-84234),1700122011nk(+29624)	N/A
Chr17	48014899	48015025	Chr17.44901	Foxp4(-90527),1700122011nk(+23331)	N/A
Chr17	48019795	48019953	Chr17.44916	Foxp4(-95439),1700122011nk(+18419)	N/A
Chr17	48022908	48023062	Chr17.44918	Foxp4(-98550),1700122011nk(+15308)	N/A
Chr17	48024105	48024222	Chr17.44922	Foxp4(-99729),1700122011nk(+14129)	N/A
Chr17	48029254	48029502	Chr17.44931	Foxp4(-104943),1700122011nk(+8915)	N/A
Chr17	48031553	48031830	Chr17.44932	Foxp4(-107257),1700122011nk(+6601)	N/A
Chr17	48051794	48051898	Chr17.44942	1700067p10nk(-37786),1700122011nk(-13553)	N/A
Chr17	48055110	48055390	Chr17.44945	1700067p10nk(-34382),1700122011nk(-16957)	N/A
Chr17	48057410	48057663	Chr17.44947	1700067p10nk(-32095),1700122011nk(-19244)	N/A
Chr17	48064719	48064849	Chr17.44952	1700122011nk(-26491),1700067p10nk(-24848)	N/A
Chr17	48065182	48065284	Chr17.44957	1700122011nk(-26940),1700067p10nk(-24399)	N/A
Chr17	48065676	48065900	Chr17.44974	1700067p10nk(+6161),9830107b12nk(+30514)	N/A
Chr17	48067862	48067970	Chr17.44977	1700067p10nk(+8284),9830107b12nk(+48391)	N/A
Chr17	48068758	48068901	Chr17.44981	1700067p10nk(+9198),9830107b12nk(+47477)	N/A
Chr17	48409510	48409710	Chr17.45118	Oard1(-404),Nfyaj(+155)	N/A
Chr17	48410095	48410381	Chr17.45126	Nfyaj(-473),Oard1(+224)	N/A
Chr17	48418287	48418460	Chr17.45148	Oard1(+6335),Apobec2(+14379)	N/A
Chr17	48437604	48437791	Chr17.45210	Apobec2(-870)	N/A
Chr17	48513987	48514102	Chr17.45300	Lrfn2(-418334),Unc5cl(+59144)	N/A
Chr17	48599696	48599900	Chr17.45340	Lrfn2(-332581),Unc5cl(+144897)	N/A
Chr17	48774652	48774796	Chr17.45408	Lrfn2(-157655),Unc5cl(+319823)	N/A
Chr17	48776836	48776940	Chr17.45411	Lrfn2(-155486),Unc5cl(+321992)	N/A
Chr17	48808177	48808296	Chr17.45425	Lrfn2(-124142),Unc5cl(+353336)	N/A
Chr17	8376205	8376340	Chr17.4543	T(-58150),Prr18(+35867)	N/A
Chr17	8408977	8409179	Chr17.4548	T(-25345),Prr18(+68672)	N/A
Chr17	48932402	48932510	Chr17.45546	Lrfn2(+77)	N/A
Chr17	48932544	48932825	Chr17.45549	Lrfn2(+306)	N/A
Chr17	48933138	48933263	Chr17.45552	Lrfn2(+822)	N/A
Chr17	4899851	49000338	Chr17.45592	Mocs1(-428468),Lrfn2(+67566)	N/A
Chr17	49017787	49018140	Chr17.45599	Mocs1(-410446),Lrfn2(+85583)	N/A
Chr17	49019044	49019243	Chr17.45603	Mocs1(-409266),Lrfn2(+86765)	N/A
Chr17	49022808	49022977	Chr17.45610	Mocs1(-405517),Lrfn2(+90514)	N/A
Chr17	49044271	49044379	Chr17.45624	Mocs1(-384089),Lrfn2(+111946)	N/A
Chr17	49044568	49044685	Chr17.45626	Mocs1(-383798),Lrfn2(+112233)	N/A
Chr17	49078324	49078448	Chr17.45695	Mocs1(-350024),Lrfn2(+146007)	N/A
Chr17	49151017	49151119	Chr17.45748	Mocs1(-277342),Lrfn2(+218689)	N/A
Chr17	49175877	49175990	Chr17.45765	Mocs1(-252476),Lrfn2(+243555)	N/A
Chr17	49178325	49178502	Chr17.45766	Mocs1(-249996),Lrfn2(+246035)	N/A
Chr17	49247116	49247433	Chr17.45811	Mocs1(-181135),Lrfn2(+314896)	N/A
Chr17	49251026	49251134	Chr17.45819	Mocs1(-177330),Lrfn2(+316703)	N/A
Chr17	49278828	49278973	Chr17.45833	Mocs1(-149509),Lrfn2(+346522)	N/A
Chr17	49304597	49304746	Chr17.45841	Mocs1(-123738),Lrfn2(+372293)	N/A
Chr17	49456523	49456640	Chr17.45944	Mocs1(+28172),Daam2(+107755)	N/A
Chr17	49467494	49467597	Chr17.45978	Mocs1(+39136),Daam2(+96791)	N/A
Chr17	49472142	49472855	Chr17.45992	Mocs1(+44389),Daam2(+91539)	N/A
Chr17	49520037	49520150	Chr17.46068	Daam2(+44243),Mocs1(+91684)	N/A
Chr17	49534356	49534459	Chr17.46082	Daam2(+29929),Mocs1(+105998)	N/A
Chr17	49539277	49539490	Chr17.46088	Daam2(+24953),Mocs1(+110974)	N/A
Chr17	49540830	49540933	Chr17.46093	Daam2(+23455),Mocs1(+112472)	N/A
Chr17	49540966	49541066	Chr17.46095	Daam2(+23321),Mocs1(+112606)	N/A
Chr17	49559854	49560061	Chr17.46104	Daam2(+4379),Mocs1(+131548)	N/A
Chr17	49563202	49563355	Chr17.46112	Daam2(+1058),Mocs1(+134869)	N/A
Chr17	49564343	49564473	Chr17.46117	Daam2(-71)	N/A
Chr17	49564761	49564976	Chr17.46121	Daam2(-532)	N/A
Chr17	49568813	49568994	Chr17.46127	Daam2(-4567)	N/A
Chr17	8503335	8503451	Chr17.4614	Pde10a(-293352),T(+73970)	N/A
Chr17	49582379	49582747	Chr17.46142	Klf6(-32509),Daam2(-18326)	N/A
Chr17	49582798	49582990	Chr17.46145	Klf6(-32278),Daam2(-18557)	N/A
Chr17	49590175	49590337	Chr17.46156	Daam2(-25919),Klf6(-24916)	N/A
Chr17	49593131	49593238	Chr17.46161	Daam2(-28848),Klf6(-21987)	N/A
Chr17	8525009	8525231	Chr17.4618	Pde10a(-276625),T(+90697)	N/A
Chr17	49610239	49610553	Chr17.46185	Klf6(-4776)	N/A
Chr17	8526812	8527118	Chr17.4625	Pde10a(-274780),T(+92542)	N/A
Chr17	49661126	49661439	Chr17.46263	Klf6(+46111),Rtn1(+529391)	N/A
Chr17	49672131	49672232	Chr17.46275	Klf6(+57010),Rtn1(+518492)	N/A
Chr17	49673672	49673903	Chr17.46276	Klf6(+58618),Rtn1(+516886)	N/A
Chr17	49681596	49681953	Chr17.46288	Klf6(+58603),Rtn1(+508899)	N/A
Chr17	49689880	49689222	Chr17.46292	Klf6(+69929),Rtn1(+505573)	N/A
Chr17	49704006	49704181	Chr17.46315	Klf6(+88922),Rtn1(+486580)	N/A
Chr17	49704310	49704479	Chr17.46319	Klf6(+89223),Rtn1(+486279)	N/A
Chr17	49704549	49704698	Chr17.46321	Klf6(+89452),Rtn1(+486050)	N/A
Chr17	49722649	49722788	Chr17.46360	Klf6(+107547),Rtn1(+467955)	N/A
Chr17	49743719	49743898	Chr17.46383	Klf6(+128637),Rtn1(+446865)	N/A
Chr17	49761220	49761477	Chr17.46412	Klf6(+146177),Rtn1(+429325)	N/A
Chr17	49792427	49792553	Chr17.46448	Klf6(+177318),Rtn1(+398184)	N/A
Chr17	49800320	49800601	Chr17.46456	Klf6(+185289),Rtn1(+390213)	N/A
Chr17	49809273	49809448	Chr17.46460	Klf6(+194189),Rtn1(+381313)	N/A
Chr17	49816479	49816626	Chr17.46464	Klf6(+201382),Rtn1(+374120)	N/A
Chr17	49816922	49816906	Chr17.46468	Klf6(+201617),Rtn1(+373885)	N/A
Chr17	8680619	8680773	Chr17.4647	Pde10a(-121049),T(+246273)	N/A
Chr17	49824610	49824710	Chr17.46471	Klf6(+209488),Rtn1(+366014)	N/A
Chr17	49830564	49830709	Chr17.46484	Klf6(+215465),Rtn1(+360037)	N/A
Chr17	49851804	49852052	Chr17.46510	Klf6(+236756),Rtn1(+338748)	N/A
Chr17	49867238	49867556	Chr17.46522	Klf6(+252225),Rtn1(+323277)	N/A
Chr17	49872978	49873114	Chr17.46529	Klf6(+2567874),Rtn1(+317628)	N/A

Chr17		49930033	49930152	Chr17.46564	<i>Rtn1</i> (+260581), <i>Klf6</i> (+314921)	N/A
Chr17		50006719	50006842	Chr17.46629	<i>Rtn1</i> (+183893), <i>Klf6</i> (+391609)	N/A
Chr17		5856421	8856573	Chr17.46875	<i>T0001014rik</i> (-131860), <i>Pde10a</i> (+54752)	N/A
Chr17		50125648	50126832	Chr17.46760	<i>Rtn1</i> (+60984), <i>Klf6</i> (+514518)	N/A
Chr17		50150165	50150408	Chr17.46777	<i>Rtn1</i> (+40387), <i>Klf6</i> (+535115)	N/A
Chr17		8872371	8872610	Chr17.4679	<i>T0001014rik</i> (-115866), <i>Pde10a</i> (+70746)	N/A
Chr17		50192457	50192759	Chr17.46844	<i>Rtn1</i> (-1934)	N/A
Chr17		50237106	50237352	Chr17.46886	<i>Rtn1</i> (-46555), <i>Dazl</i> (+56370)	N/A
Chr17		50237399	50237509	Chr17.46870	<i>Rtn1</i> (-46780), <i>Dazl</i> (+56149)	N/A
Chr17		50342001	50342250	Chr17.46930	<i>Picl2</i> (-167421), <i>Dazl</i> (-48527)	N/A
Chr17		50407350	50407535	Chr17.46943	<i>Dazl</i> (-113844), <i>Picl2</i> (-102104)	N/A
Chr17		50469800	50470088	Chr17.46988	<i>Dazl</i> (-178345), <i>Picl2</i> (-39603)	N/A
Chr17		50510454	50510589	Chr17.47037	<i>Picl2</i> (+975)	N/A
Chr17		50527927	50528031	Chr17.47066	<i>Picl2</i> (+18432), <i>Tbc1d5</i> (+651370)	N/A
Chr17		50763630	50763630	Chr17.47300	<i>Picl2</i> (+254007), <i>Kcnh8</i> (-380692)	N/A
Chr17		50908725	50908944	Chr17.47446	<i>Tbc1d5</i> (+270514), <i>Picl2</i> (+309289)	N/A
Chr17		51263200	51263325	Chr17.47746	<i>Tbc1d5</i> (-83914), <i>Satb1</i> (+569409)	N/A
Chr17		51461252	51461466	Chr17.48073	<i>Tbc1d5</i> (-282010), <i>Satb1</i> (+371313)	N/A
Chr17		51477834	51477969	Chr17.48097	<i>Tbc1d5</i> (-298553), <i>Satb1</i> (+354770)	N/A
Chr17		51480884	51481125	Chr17.48102	<i>Tbc1d5</i> (-301656), <i>Satb1</i> (+351667)	N/A
Chr17		51534544	51534720	Chr17.48195	<i>Tbc1d5</i> (-355283), <i>Satb1</i> (+298040)	N/A
Chr17		51535131	51535355	Chr17.48197	<i>Tbc1d5</i> (-355894), <i>Satb1</i> (+297429)	N/A
Chr17		51583724	51583852	Chr17.48292	<i>Tbc1d5</i> (-404439), <i>Satb1</i> (+248884)	N/A
Chr17		51609838	51609951	Chr17.48412	<i>Tbc1d5</i> (-511546), <i>Satb1</i> (+141777)	N/A
Chr17		51775481	51775706	Chr17.48587	<i>Tbc1d5</i> (-596245), <i>Satb1</i> (+57078)	N/A
Chr17		51787565	51787912	Chr17.48631	<i>Tbc1d5</i> (-608390), <i>Satb1</i> (+49833)	N/A
Chr17		51789836	51790169	Chr17.48641	<i>Tbc1d5</i> (-610654), <i>Satb1</i> (+42669)	N/A
Chr17		51790550	51790708	Chr17.48644	<i>Tbc1d5</i> (-611280), <i>Satb1</i> (+42043)	N/A
Chr17		51790737	51790842	Chr17.48645	<i>Tbc1d5</i> (-611441), <i>Satb1</i> (+41882)	N/A
Chr17		51806285	51806447	Chr17.48695	<i>Tbc1d5</i> (-627017), <i>Satb1</i> (+26306)	N/A
Chr17		51807601	51809626	Chr17.48700	<i>Tbc1d5</i> (-627515), <i>Satb1</i> (+23808)	N/A
Chr17		51807650	51807848	Chr17.48710	<i>Tbc1d5</i> (-628350), <i>Satb1</i> (+24973)	N/A
Chr17		51807894	51808140	Chr17.48711	<i>Tbc1d5</i> (-628668), <i>Satb1</i> (+24655)	N/A
Chr17		51811612	51811859	Chr17.48730	<i>Tbc1d5</i> (-632387), <i>Satb1</i> (+20936)	N/A
Chr17		51834090	51834208	Chr17.48825	<i>Satb1</i> (-1477)	N/A
Chr17		51986995	51987254	Chr17.48972	<i>Kcnh8</i> (-615638), <i>Satb1</i> (-154453)	N/A
Chr17		52221872	52222270	Chr17.49268	<i>Satb1</i> (-138939), <i>Kcnh8</i> (-380692)	N/A
Chr17		52347095	52347205	Chr17.49390	<i>Satb1</i> (-514478), <i>Kcnh8</i> (-255613)	N/A
Chr17		52348034	52348152	Chr17.49394	<i>Satb1</i> (-515421), <i>Kcnh8</i> (-254670)	N/A
Chr17		52348219	52348324	Chr17.49396	<i>Satb1</i> (-515600), <i>Kcnh8</i> (-254491)	N/A
Chr17		52351569	52351705	Chr17.49415	<i>Satb1</i> (-518965), <i>Kcnh8</i> (-251126)	N/A
Chr17		52461222	52461328	Chr17.49485	<i>Satb1</i> (-628603), <i>Kcnh8</i> (-141488)	N/A
Chr17		52461415	52461527	Chr17.49498	<i>Satb1</i> (-628739), <i>Kcnh8</i> (-141292)	N/A
Chr17		53509558	53509735	Chr17.50059	<i>Kat2b</i> (+29676), <i>Spo1</i> (+92886)	N/A
Chr17		54080647	54080754	Chr17.50229	<i>Sult1c1</i> (-90027), <i>Slc5a7</i> (+218333)	N/A
Chr17		55009814	55009884	Chr17.50424	<i>Slc5a7</i> (-791865), <i>Slc6a12</i> (-354490)	N/A
Chr17		55091398	55091561	Chr17.50429	<i>Slc6a7</i> (-792446), <i>Slc6a12</i> (-353599)	N/A
Chr17		55367821	55367898	Chr17.50460	<i>Slc6a12</i> (-77629)	N/A
Chr17		55446911	55447046	Chr17.50466	<i>Slc6a12</i> (+1590), <i>Vmn2r1</i> 18(+177693)	N/A
Chr17		56040267	56040395	Chr17.50826	<i>Sh3g1</i> (-3694), <i>Chaf1a</i> (-85)	N/A
Chr17		56079434	56079571	Chr17.50962	<i>Ubxn5</i> (-4475), <i>Hdgf2</i> (-154)	N/A
Chr17		56081340	56081515	Chr17.50970	<i>Hdgf2</i> (+1771), <i>Plin4</i> (+28374)	N/A
Chr17		56189733	56189905	Chr17.51239	<i>Mydgl</i> (-5889), <i>Dpps1</i> (+29070)	N/A
Chr17		56237878	56238023	Chr17.51335	<i>Cyp11</i> (-19062), <i>Fam16a</i> (-18842)	N/A
Chr17		9675587	9675689	Chr17.51337	<i>Palpc6</i> (-5934), <i>Qk</i> (+643723)	N/A
Chr17		56325797	56325952	Chr17.51607	<i>Kdm4b</i> (-199)	N/A
Chr17		56371217	56371414	Chr17.51634	<i>Kdm4b</i> (+45242), <i>Ptprs</i> (+105167)	N/A
Chr17		56378893	56377025	Chr17.51654	<i>Kdm4b</i> (+50885), <i>Ptprs</i> (+99524)	N/A
Chr17		56409614	56409636	Chr17.51750	<i>Ptprs</i> (+60758), <i>Kdm4b</i> (+83051)	N/A
Chr17		9698027	9698210	Chr17.51787	<i>Palpc6</i> (-28415), <i>Qk</i> (+621242)	N/A
Chr17		56439181	56439288	Chr17.51928	<i>Ptprs</i> (+37248), <i>Kdm4b</i> (+113161)	N/A
Chr17		56445550	56445686	Chr17.51951	<i>Ptprs</i> (+30865), <i>Kdm4b</i> (+119544)	N/A
Chr17		56445835	56446041	Chr17.51953	<i>Ptprs</i> (+30545), <i>Kdm4b</i> (+119864)	N/A
Chr17		56467450	56467617	Chr17.51986	<i>Ptprs</i> (+8949), <i>Kdm4b</i> (+141460)	N/A
Chr17		96580737	96580901	Chr17.52000	<i>Ptprs</i> (-33336), <i>Znrf4</i> (+2664)	N/A
Chr17		96538042	96538151	Chr17.52018	<i>Znrf4</i> (-25614), <i>Satb2</i> (-46488)	N/A
Chr17		9723318	9723452	Chr17.5217	<i>Palpc6</i> (-53681), <i>Qk</i> (+595976)	N/A
Chr17		9725822	9725959	Chr17.5220	<i>Palpc6</i> (-56187), <i>Qk</i> (+593470)	N/A
Chr17		9726002	9726142	Chr17.5223	<i>Palpc6</i> (-56368), <i>Qk</i> (+593289)	N/A
Chr17		9758836	9758988	Chr17.5229	<i>Palpc6</i> (-87210), <i>Qk</i> (+562447)	N/A
Chr17		56673303	56673444	Chr17.52392	<i>Ranp3</i> (+149)	N/A
Chr17		56692486	56692722	Chr17.52395	<i>Ranp3</i> (+19379), <i>Vmac</i> (+24317)	N/A
Chr17		56712168	56712274	Chr17.52448	<i>Vmac</i> (+4700), <i>Ranp3</i> (+38996)	N/A
Chr17		56738544	56738719	Chr17.52497	<i>Ntn1</i> (+18898), <i>Nidula1</i> (+20870)	N/A
Chr17		9775802	9776164	Chr17.52528	<i>Palpc6</i> (-106279), <i>Qk</i> (+543378)	N/A
Chr17		56814407	56814585	Chr17.52659	<i>Rfx2</i> (+16512), <i>Prr22</i> (+44220)	N/A
Chr17		56814654	56814770	Chr17.52662	<i>Rfx2</i> (+16296), <i>Prr22</i> (+44436)	N/A
Chr17		57031460	57031594	Chr17.53138	<i>Khsrp</i> (-20)	N/A
Chr17		57031691	57031828	Chr17.53142	<i>Khsrp</i> (-253)	N/A
Chr17		9849117	9849231	Chr17.53325	<i>Palpc6</i> (-179470), <i>Qk</i> (+470187)	N/A
Chr17		97078460	97078593	Chr17.53348	<i>Dennd1c1</i> (-177)	N/A
Chr17		9885252	9885307	Chr17.53581	<i>Palpc6</i> (-216621), <i>Qk</i> (+434036)	N/A
Chr17		57248891	57249133	Chr17.53697	<i>Gpr108</i> (-1371), <i>Trp10</i> (-439)	N/A
Chr17		57249846	57249966	Chr17.53701	<i>Gpr108</i> (-2265), <i>Trp10</i> (+455)	N/A
Chr17		57265618	57265775	Chr17.53780	<i>Vav1</i> (-13403), <i>Trp10</i> (+16246)	N/A
Chr17		57265855	57265968	Chr17.53787	<i>Vav1</i> (-13188), <i>Trp10</i> (+16461)	N/A
Chr17		9900112	9900144	Chr17.5398	<i>Palpc6</i> (-236374), <i>Qk</i> (+413283)	N/A
Chr17		58924017	58924133	Chr17.54049	<i>Pdzph1</i> (+67300)	N/A
Chr17		9929854	9930013	Chr17.5429	<i>Palpc6</i> (-260230), <i>Qk</i> (+389427)	N/A
Chr17		59177855	59178047	Chr17.54410	<i>Nudt12</i> (-164579)	N/A
Chr17		9967106	9967245	Chr17.5447	<i>Palpc6</i> (-297472), <i>Qk</i> (+352185)	N/A
Chr17		59362111	59362490	Chr17.54624	<i>Nudt12</i> (-348929)	N/A
Chr17		59365867	59365857	Chr17.54627	<i>Nudt12</i> (-352340)	N/A
Chr17		59373690	59374017	Chr17.54647	<i>Nudt12</i> (-360482)	N/A
Chr17		59374049	59374231	Chr17.54652	<i>Nudt12</i> (-360768)	N/A
Chr17		59421580	59421847	Chr17.54708	<i>Nudt12</i> (-408342)	N/A
Chr17		59430043	59430195	Chr17.54730	<i>Nudt12</i> (-416747)	N/A
Chr17		59462483	59462611	Chr17.54773	<i>Nudt12</i> (-449175)	N/A
Chr17		9995469	9995598	Chr17.5494	<i>Palpc6</i> (-325830), <i>Qk</i> (+323827)	N/A
Chr17		59848884	59849103	Chr17.55017	<i>Nudt12</i> (-835622)	N/A
Chr17		10011830	10012007	Chr17.5509	<i>Palpc6</i> (-342215), <i>Qk</i> (+307442)	N/A
Chr17		10038215	10038390	Chr17.5534	<i>Palpc6</i> (-368599), <i>Qk</i> (+281058)	N/A
Chr17		60926040	60926173	Chr17.55550	None	N/A
Chr17		61111632	61111745	Chr17.55668	None	N/A
Chr17		3571136	3571300	Chr17.557	<i>Tfb1m</i> (-13505), <i>Nox3</i> (+125043)	N/A
Chr17		61292699	61292921	Chr17.55759	None	N/A
Chr17		62271393	62271882	Chr17.56388	<i>EfnA5</i> (+335069)	N/A
Chr17		62280224	62280585	Chr17.56400	<i>EfnA5</i> (+326312)	N/A
Chr17		62280412	62280723	Chr17.56405	<i>EfnA5</i> (+320139)	N/A
Chr17		62337856	62338004	Chr17.56519	<i>EfnA5</i> (+268732)	N/A
Chr17		62338496	62338690	Chr17.56521	<i>EfnA5</i> (+268114)	N/A
Chr17		62461433	62461624	Chr17.56636	<i>EfnA5</i> (+145178)	N/A
Chr17		62461992	62462092	Chr17.56641	<i>EfnA5</i> (+144665)	N/A
Chr17		62498812	62498917	Chr17.56697	<i>EfnA5</i> (+107842)	N/A
Chr17		62507929	62508329	Chr17.56713	<i>EfnA5</i> (+98578)	N/A
Chr17		62518765	62519117	Chr17.56747	<i>EfnA5</i> (+87766)	N/A
Chr17		62545564	62545707	Chr17.56791	<i>EfnA5</i> (+61071)	N/A
Chr17		10209259	10209421	Chr17.5680	<i>Palpc6</i> (-539636), <i>Qk</i> (+110021)	N/A
Chr17		62567695	62567863	Chr17.56828	<i>EfnA5</i> (+38928)	N/A
Chr17		62568068	62568198	Chr17.56831	<i>EfnA5</i> (+38574)	N/A
Chr17		62568667	62568963	Chr17.56835	<i>EfnA5</i> (+37892)	N/A
Chr17		62579892	62580178	Chr17.56851	<i>EfnA5</i> (+26672)	N/A
Chr17		62599122	62599321	Chr17.56888	<i>EfnA5</i> (+7485)	N/A
Chr17		62599813	62599933	Chr17.56893	<i>EfnA5</i> (+6834)	N/A
Chr17		62603217	62603433	Chr17.56908	<i>EfnA5</i> (+3382)	N/A
Chr17		62603963	62604095	Chr17.56915	<i>EfnA5</i> (+2663)	N/A
Chr17		62606778	62606960	Chr17.56938	<i>EfnA5</i> (-162)	N/A
Chr17		62608180	62608309	Chr17.56949	<i>EfnA5</i> (-1538)	N/A
Chr17		62614371	62614564	Chr17.56976	<i>EfnA5</i> (-7781), <i>EfnA5</i> (+266849)	N/A
Chr17		62614597	62614777	Chr17.56980	<i>EfnA5</i> (-7980), <i>EfnA5</i> (+266630)	N/A
Chr17		62615297	62615487	Chr17.56986	<i>EfnA5</i> (-8675), <i>EfnA5</i> (+265935)	N/A
Chr17		62624541	62624725	Chr17.57013	<i>EfnA5</i> (-17926), <i>EfnA5</i> (+256684)	N/A
Chr17		62625120	62625284	Chr17.57018	<i>EfnA5</i> (-18405), <i>EfnA5</i> (+256115)	N/A

Chr17	62676852	62676976	Chr17.57215	<i>Elna5(-70207),Elna5(+204403)</i>	N/A
Chr17	62677077	62677196	Chr17.57222	<i>Elna5(-70430),Elna5(+204180)</i>	N/A
Chr17	62685168	62685349	Chr17.57236	<i>Elna5(-76532),Elna5(+196059)</i>	N/A
Chr17	62691099	62691444	Chr17.57253	<i>Elna5(-94565),Elna5(+190049)</i>	N/A
Chr17	62694873	62695081	Chr17.57261	<i>Elna5(-88270),Elna5(+186340)</i>	N/A
Chr17	62700873	62700976	Chr17.57292	<i>Elna5(-94218),Elna5(+180392)</i>	N/A
Chr17	62701102	62701262	Chr17.57294	<i>Elna5(-94475),Elna5(+180135)</i>	N/A
Chr17	62701333	62701510	Chr17.57295	<i>Elna5(-94715),Elna5(+179895)</i>	N/A
Chr17	62717314	62717435	Chr17.57326	<i>Elna5(-110666),Elna5(+163942)</i>	N/A
Chr17	62717656	62717889	Chr17.57328	<i>Elna5(-111066),Elna5(+163544)</i>	N/A
Chr17	62730245	62730394	Chr17.57363	<i>Elna5(-123613),Elna5(+150997)</i>	N/A
Chr17	62730435	62730550	Chr17.57369	<i>Elna5(-123786),Elna5(+150824)</i>	N/A
Chr17	62730644	62730890	Chr17.57371	<i>Elna5(-124060),Elna5(+150550)</i>	N/A
Chr17	10251148	10251357	Chr17.57379	<i>Palpoc(-381549),Qk(+68108)</i>	N/A
Chr17	62736291	62736291	Chr17.57393	<i>Elna5(-129474),Elna5(+165136)</i>	N/A
Chr17	62746567	62746672	Chr17.57410	<i>Elna5(-139913),Elna5(+134697)</i>	N/A
Chr17	62754773	62754877	Chr17.57448	<i>Elna5(-148116),Elna5(+126492)</i>	N/A
Chr17	62758466	62758681	Chr17.57457	<i>Elna5(-151867),Elna5(+122743)</i>	N/A
Chr17	62760656	62761105	Chr17.57461	<i>Elna5(-154174),Elna5(+120436)</i>	N/A
Chr17	62761209	62761634	Chr17.57467	<i>Elna5(-154715),Elna5(+119895)</i>	N/A
Chr17	62781555	62783299	Chr17.57537	<i>Elna5(-176520),Elna5(+96999)</i>	N/A
Chr17	62785038	62785233	Chr17.57554	<i>Elna5(-178429),Elna5(+96181)</i>	N/A
Chr17	62789212	62789369	Chr17.57586	<i>Elna5(-182584),Elna5(+92026)</i>	N/A
Chr17	62789401	62789619	Chr17.57587	<i>Elna5(-182803),Elna5(+91807)</i>	N/A
Chr17	10300848	10301186	Chr17.57599	<i>Palpoc(-631313),Qk(+18344)</i>	N/A
Chr17	62793047	62793171	Chr17.57606	<i>Elna5(-186402),Elna5(+86208)</i>	N/A
Chr17	62806639	62807114	Chr17.57644	<i>Elna5(-200270),Elna5(+74340)</i>	N/A
Chr17	62807575	62807790	Chr17.57652	<i>Elna5(-200976),Elna5(+73634)</i>	N/A
Chr17	10317354	10317512	Chr17.5767	<i>Palpoc(-647729),Qk(+1928)</i>	N/A
Chr17	62818401	62818522	Chr17.57670	<i>Elna5(-211759),Elna5(+62655)</i>	N/A
Chr17	62818988	62819428	Chr17.57677	<i>Elna5(-212501),Elna5(+62709)</i>	N/A
Chr17	62844556	62844716	Chr17.57754	<i>Elna5(-237390),Elna5(+36691)</i>	N/A
Chr17	62846307	62846550	Chr17.57760	<i>Elna5(-239722),Elna5(+34888)</i>	N/A
Chr17	62848021	62848210	Chr17.57770	<i>Elna5(-241409),Elna5(+33201)</i>	N/A
Chr17	62851252	62851424	Chr17.57777	<i>Elna5(-244631),Elna5(+29979)</i>	N/A
Chr17	62857402	62857577	Chr17.57790	<i>Elna5(-250783),Elna5(+23827)</i>	N/A
Chr17	62862771	62862891	Chr17.57802	<i>Elna5(-256124),Elna5(+18486)</i>	N/A
Chr17	62862983	62863085	Chr17.57805	<i>Elna5(-256327),Elna5(+18283)</i>	N/A
Chr17	62863156	62863271	Chr17.57806	<i>Elna5(-256507),Elna5(+18103)</i>	N/A
Chr17	62871990	62872229	Chr17.57835	<i>Elna5(-265403),Elna5(+9207)</i>	N/A
Chr17	62878787	62879006	Chr17.57859	<i>Elna5(-272190),Elna5(+2420)</i>	N/A
Chr17	62879188	62879426	Chr17.57861	<i>Elna5(-272601),Elna5(+2009)</i>	N/A
Chr17	62882099	62882211	Chr17.57872	<i>Elna5(-633)</i>	N/A
Chr17	62883089	62883211	Chr17.57879	<i>Elna5(-1833)</i>	N/A
Chr17	62905706	62905956	Chr17.57924	<i>Elna5(-24515),Fbx17(+594185)</i>	N/A
Chr17	62959020	62959382	Chr17.57994	<i>Elna5(-77974),Fbx17(+540726)</i>	N/A
Chr17	62959431	62959636	Chr17.57998	<i>Elna5(-78167),Fbx17(+540533)</i>	N/A
Chr17	62961271	62961719	Chr17.58009	<i>Elna5(-80178),Fbx17(+536522)</i>	N/A
Chr17	62962051	62962439	Chr17.58018	<i>Elna5(-80928),Fbx17(+537772)</i>	N/A
Chr17	62963129	62963429	Chr17.58023	<i>Elna5(-81962),Fbx17(+536738)</i>	N/A
Chr17	62963732	62963833	Chr17.58026	<i>Elna5(-82466),Fbx17(+536234)</i>	N/A
Chr17	62963895	62964302	Chr17.58028	<i>Elna5(-82782),Fbx17(+535918)</i>	N/A
Chr17	62965139	62965306	Chr17.58029	<i>Elna5(-83907),Fbx17(+534793)</i>	N/A
Chr17	62968276	62968476	Chr17.58033	<i>Elna5(-87059),Fbx17(+531641)</i>	N/A
Chr17	62977712	62977838	Chr17.58045	<i>Elna5(-96458),Fbx17(+522242)</i>	N/A
Chr17	63005171	63005394	Chr17.58084	<i>Elna5(-123966),Fbx17(+494734)</i>	N/A
Chr17	63005526	63005702	Chr17.58086	<i>Elna5(-124297),Fbx17(+494403)</i>	N/A
Chr17	63005851	63006090	Chr17.58093	<i>Elna5(-127519),Fbx17(+491181)</i>	N/A
Chr17	63012219	63012514	Chr17.58105	<i>Elna5(-131050),Fbx17(+497550)</i>	N/A
Chr17	63026122	63026457	Chr17.58126	<i>Elna5(-144973),Fbx17(+472372)</i>	N/A
Chr17	63028721	63028929	Chr17.58133	<i>Elna5(-147508),Fbx17(+471192)</i>	N/A
Chr17	63033018	63033226	Chr17.58135	<i>Elna5(-151805),Fbx17(+466895)</i>	N/A
Chr17	10360844	10361013	Chr17.5814	<i>Qk(-40700),Pacrg(+479382)</i>	N/A
Chr17	63047713	63048081	Chr17.58147	<i>Elna5(-166580),Fbx17(+452120)</i>	N/A
Chr17	63058581	63058695	Chr17.58156	<i>Elna5(-177321),Fbx17(+441579)</i>	N/A
Chr17	63074754	63074930	Chr17.58191	<i>Elna5(-193525),Fbx17(+425175)</i>	N/A
Chr17	63075192	63075460	Chr17.58194	<i>Elna5(-194009),Fbx17(+424691)</i>	N/A
Chr17	63075663	63075993	Chr17.58199	<i>Elna5(-194511),Fbx17(+424189)</i>	N/A
Chr17	63076181	63076512	Chr17.58203	<i>Elna5(-195030),Fbx17(+423670)</i>	N/A
Chr17	63076382	63077106	Chr17.58206	<i>Elna5(-196527),Fbx17(+423073)</i>	N/A
Chr17	63107625	63107789	Chr17.58259	<i>Elna5(-226390),Fbx17(+392176)</i>	N/A
Chr17	63116906	63117238	Chr17.58284	<i>Elna5(-235755),Fbx17(+382945)</i>	N/A
Chr17	63117828	63117960	Chr17.58293	<i>Elna5(-236577),Fbx17(+382123)</i>	N/A
Chr17	63145357	63145539	Chr17.58366	<i>Elna5(-264131),Fbx17(+354569)</i>	N/A
Chr17	63145746	63146055	Chr17.58370	<i>Elna5(-264584),Fbx17(+354116)</i>	N/A
Chr17	63146336	63146473	Chr17.58373	<i>Elna5(-265086),Fbx17(+353612)</i>	N/A
Chr17	63146542	63146846	Chr17.58377	<i>Elna5(-265377),Fbx17(+353323)</i>	N/A
Chr17	10379064	10379220	Chr17.5838	<i>Qk(-58913),Pacrg(+461169)</i>	N/A
Chr17	63167949	63168049	Chr17.58417	<i>Elna5(-286682),Fbx17(+332018)</i>	N/A
Chr17	63185631	63185864	Chr17.58447	<i>Elna5(-304431),Fbx17(+314269)</i>	N/A
Chr17	63286578	63286790	Chr17.58559	<i>Elna5(-387387),Fbx17(+231533)</i>	N/A
Chr17	63284934	63285093	Chr17.58580	<i>Elna5(-403967),Fbx17(+19030)</i>	N/A
Chr17	63285172	63285396	Chr17.58589	<i>Elna5(-403967),Fbx17(+214733)</i>	N/A
Chr17	10398868	10399025	Chr17.5862	<i>Qk(-78718),Pacrg(+441364)</i>	N/A
Chr17	63315762	63315876	Chr17.58656	<i>Elna5(-434502),Fbx17(+184198)</i>	N/A
Chr17	63326597	63326710	Chr17.58671	<i>Elna5(-445337),Fbx17(+173363)</i>	N/A
Chr17	63326746	63326876	Chr17.58672	<i>Elna5(-446494),Fbx17(+173265)</i>	N/A
Chr17	63366041	63366259	Chr17.58742	<i>Elna5(-484833),Fbx17(+133867)</i>	N/A
Chr17	63371167	63371400	Chr17.58754	<i>Elna5(-489967),Fbx17(+128733)</i>	N/A
Chr17	63451729	63451865	Chr17.58798	<i>Elna5(-570480),Fbx17(+48220)</i>	N/A
Chr17	63607389	63607631	Chr17.58852	<i>Fbx17(-107493),A930002h24nk(+256281)</i>	N/A
Chr17	63678312	63678528	Chr17.58881	<i>Fbx17(-178404),A930002h24nk(+185370)</i>	N/A
Chr17	63680575	63680582	Chr17.58892	<i>Fbx17(-186213),A930002h24nk(+177562)</i>	N/A
Chr17	63683865	63684151	Chr17.59007	<i>A930002h24nk(-217)</i>	N/A
Chr17	63901400	63901575	Chr17.59025	<i>Fer(+5470),Pja2(+430428)</i>	N/A
Chr17	10441662	10441892	Chr17.5910	<i>Qk(-121548),Pacrg(+398534)</i>	N/A
Chr17	64097854	64098028	Chr17.59122	<i>Fer(+201923),Pja2(+233975)</i>	N/A
Chr17	64206145	64206310	Chr17.59205	<i>Pja2(+126686),Fer(+310210)</i>	N/A
Chr17	64372515	64372667	Chr17.59300	<i>Pja2(-40678),Au016765(+182912)</i>	N/A
Chr17	64407144	64407689	Chr17.59328	<i>Pja2(-75501),Au016765(+148086)</i>	N/A
Chr17	64426197	64426303	Chr17.59341	<i>Pja2(-94334),Au016765(+129253)</i>	N/A
Chr17	3610927	3611249	Chr17.594	<i>Tfb1m(-53375),Nox3(+85173)</i>	N/A
Chr17	64584638	64584765	Chr17.59528	<i>Au016765(-29199),Man2a1(-16034)</i>	N/A
Chr17	64591356	64591498	Chr17.59542	<i>Au016765(-33524),Man2a1(-6309)</i>	N/A
Chr17	64603188	64603341	Chr17.59553	<i>Man2a1(+2529),493058309nk(+232806)</i>	N/A
Chr17	64612189	64612342	Chr17.59561	<i>Man2a1(+11530),493058309nk(+223805)</i>	N/A
Chr17	64612727	64612861	Chr17.59562	<i>Man2a1(+12058),493058309nk(+223277)</i>	N/A
Chr17	10479427	10479603	Chr17.5960	<i>Qk(-159286),Pacrg(+360796)</i>	N/A
Chr17	64643387	64643543	Chr17.59614	<i>Man2a1(+42729),493058309nk(+192066)</i>	N/A
Chr17	64754298	64754458	Chr17.59703	<i>493058309nk(+81480),Man2a1(+153637)</i>	N/A
Chr17	64754523	64754658	Chr17.59795	<i>493058309nk(+81480),Man2a1(+153855)</i>	N/A
Chr17	10490747	10491000	Chr17.5981	<i>Qk(-170645),Pacrg(+349437)</i>	N/A
Chr17	64786432	64786639	Chr17.59829	<i>493058309nk(+49535),Man2a1(+185800)</i>	N/A
Chr17	64836992	64837252	Chr17.59904	<i>493058309nk(-1051)</i>	N/A
Chr17	10507157	10507363	Chr17.5994	<i>Qk(-187131),Pacrg(+332951)</i>	N/A
Chr17	64902138	64902256	Chr17.59962	<i>493058309nk(-66126),Tmem232(+638579)</i>	N/A
Chr17	64915291	64915485	Chr17.59974	<i>493058309nk(-79317),Tmem232(+625388)</i>	N/A
Chr17	64915598	64915734	Chr17.59978	<i>493058309nk(-79595),Tmem232(+625110)</i>	N/A
Chr17	64915806	64915981	Chr17.59982	<i>493058309nk(-79823),Tmem232(+624882)</i>	N/A
Chr17	36113556	3611572	Chr17.601	<i>Tfb1m(-53751),Nox3(+84797)</i>	N/A
Chr17	65589693	65587124	Chr17.60346	<i>Tmem232(-46278),Vapb(+26501)</i>	N/A
Chr17	65701943	65702060	Chr17.60391	<i>Txndc2(-59799),Rab31(+70750)</i>	N/A
Chr17	65702354	65702454	Chr17.60395	<i>Txndc2(-60200),Rab31(+70348)</i>	N/A
Chr17	66078964	66077125	Chr17.60719	<i>Ankrd12(+1)</i>	N/A
Chr17	66314962	66315089	Chr17.60888	<i>Mtcf1(+134724),Ddx11(+191506)</i>	N/A
Chr17	66374658	66374986	Chr17.61016	<i>Mtcf1(+74828),Ddx11(+251402)</i>	N/A
Chr17	66444093	66444236	Chr17.61109	<i>Mtcf1(+5585),Ddx11(+320645)</i>	N/A
Chr17	66696781	66696946	Chr17.61298	<i>Thmis3(-102243),Ptpm(+657595)</i>	N/A
Chr17	66697631	66697798	Chr17.61307	<i>Thmis3(-103094),Ptpm(+656744)</i>	N/A
Chr17	66720796	66721215	Chr17.61322	<i>Thmis3(-126385),Ptpm(+633453)</i>	N/A
Chr17	66761617	66761769	Chr17.61380	<i>Thmis3(-167072),Ptpm(+592766)</i>	N/A
Chr17	66842478	66842627	Chr17.61522	<i>Thmis3(-247932),Ptpm(+511906)</i>	N/A
Chr17	66843454	66843600	Chr17.61526	<i>Thmis3(-248906),Ptpm(+510932)</i>	N/A
Chr17	66912066	66912197	Chr17.61628	<i>Thmis3(-317511),Ptpm(+442327)</i>	N/A
Chr17	66912250	66912539	Chr17.61629	<i>Thmis3(-317774),Ptpm(+442064)</i>	N/A
Chr17	66913192	66913476	Chr17.61633	<i>Thmis3(-318713),Ptpm(+441125)</i>	N/A
Chr17	66961218	66961390	Chr17.61741	<i>Thmis3(-366683),Ptpm(+393155)</i>	N/A
Chr17	67007349	67007455	Chr17.61780	<i>Thmis3(-412781),Ptpm(+347057)</i>	N/A

Chr17		67114268	67114392	Chr17.61907	Themis3(-519709),Ptpm(+240129)	N/A
Chr17		67227210	67227417	Chr17.62009	Themis3(-632693),Ptpm(+127145)	N/A
Chr17		67237449	67237671	Chr17.62017	Themis3(-642939),Ptpm(+118699)	N/A
Chr17		67274599	67274860	Chr17.62046	Themis3(-680104),Ptpm(+79734)	N/A
Chr17		67274897	67275023	Chr17.62052	Themis3(-680339),Ptpm(+79499)	N/A
Chr17		67290740	67290910	Chr17.62073	Themis3(-696204),Ptpm(+63634)	N/A
Chr17		67303873	67303886	Chr17.62102	Themis3(-709309),Ptpm(+50529)	N/A
Chr17		67346809	67346965	Chr17.62149	Themis3(-752266),Ptpm(+7572)	N/A
Chr17		67500283	67500411	Chr17.62321	Ptpm(+458688),Lrrc30(+132378)	N/A
Chr17		67512071	67513208	Chr17.62341	Ptpm(+158631),Lrrc30(+119633)	N/A
Chr17		67566088	67566293	Chr17.62372	Ptpm(-211732),Lrrc30(+66532)	N/A
Chr17		67629089	67629207	Chr17.62425	Ptpm(-274689),Lrrc30(+3575)	N/A
Chr17		67685182	67685400	Chr17.62488	Lrrc30(-52568),Lama1(-11974)	N/A
Chr17		10799882	10770007	Chr17.6253	Qk(-449718),Pacrg(+7036)	N/A
Chr17		10776384	10776811	Chr17.6266	Qk(-456369),Pacrg(+63713)	N/A
Chr17		67950790	67950855	Chr17.63071	Arhgap28(+53287),Lama1(+253568)	N/A
Chr17		67989313	67989503	Chr17.63087	Arhgap28(+14712),Lama1(+292143)	N/A
Chr17		6799842	68000058	Chr17.63092	Arhgap28(+4170),Lama1(+302685)	N/A
Chr17		68002174	68002445	Chr17.63100	Arhgap28(+1810),Lama1(+305045)	N/A
Chr17		68045307	68046233	Chr17.63140	L3mbd4(-227777),Arhgap28(+41900)	N/A
Chr17		68163633	68163743	Chr17.63229	Arhgap28(+199568),L3mbd4(+110109)	N/A
Chr17		68185710	68185831	Chr17.63247	Arhgap28(-181651),L3mbd4(-68026)	N/A
Chr17		10840018	10840190	Chr17.6328	Prkn(-288),Pacrg(+207)	N/A
Chr17		68837467	68837578	Chr17.63566	Tmem200c(+387)	N/A
Chr17		68975845	68977022	Chr17.63717	Epb4113(-180878),Tmem200c(+138798)	N/A
Chr17		69127639	69127749	Chr17.63886	Epb4113(-29116),Tmem200c(+290558)	N/A
Chr17		69159871	69160027	Chr17.63946	Zbtb14(-223891),Epb4113(+3139)	N/A
Chr17		69160884	69160991	Chr17.63953	Zbtb14(-222902),Epb4113(+4128)	N/A
Chr17		69175586	69177699	Chr17.63965	Zbtb14(-206197),Epb4113(+20833)	N/A
Chr17		69181730	69181899	Chr17.63969	Zbtb14(-202025),Epb4113(+25005)	N/A
Chr17		69193568	69194105	Chr17.63987	Zbtb14(-198603),Epb4113(+37227)	N/A
Chr17		69227554	69227660	Chr17.64003	Zbtb14(-156233),Epb4113(+70797)	N/A
Chr17		69230144	69230306	Chr17.64011	Zbtb14(-153615),Epb4113(+73415)	N/A
Chr17		69266043	69266448	Chr17.64070	Zbtb14(-117594),Epb4113(+109436)	N/A
Chr17		69385417	69385517	Chr17.64202	C030034022nk(-31994),Zbtb14(+1627)	N/A
Chr17		69439087	69439221	Chr17.64264	Akan1(-172)	N/A
Chr17		70521607	70521807	Chr17.64691	Dlgap1(+96913),Tgfr(+330027)	N/A
Chr17		70522121	70522302	Chr17.64693	Dlgap1(+97418),Tgfr(+329522)	N/A
Chr17		70522374	70522499	Chr17.64695	Dlgap1(+97643),Tgfr(+329297)	N/A
Chr17		70614831	70614993	Chr17.64785	Dlgap1(+190118),Tgfr(+326822)	N/A
Chr17		70707511	70707686	Chr17.64811	Tgfr(+144135),Dlgap1(+282805)	N/A
Chr17		70747782	70748015	Chr17.64821	Tgfr(+103835),Dlgap1(+323109)	N/A
Chr17		70753303	70753647	Chr17.64830	Tgfr(+98159),Dlgap1(+328781)	N/A
Chr17		70753717	70753905	Chr17.64833	Tgfr(+97923),Dlgap1(+329017)	N/A
Chr17		70755397	70755497	Chr17.64845	Tgfr(+96287),Dlgap1(+330653)	N/A
Chr17		70755528	70755639	Chr17.64848	Tgfr(+96150),Dlgap1(+330790)	N/A
Chr17		70781144	70781261	Chr17.64876	Tgfr(+70531),Dlgap1(+356409)	N/A
Chr17		70781892	70781830	Chr17.64880	Tgfr(+70043),Dlgap1(+356987)	N/A
Chr17		70781873	70781980	Chr17.64885	Tgfr(+69807),Dlgap1(+357133)	N/A
Chr17		70791918	70792050	Chr17.64899	Tgfr(+59750),Dlgap1(+367190)	N/A
Chr17		70794388	70794596	Chr17.64903	Tgfr(+57242),Dlgap1(+369698)	N/A
Chr17		70794631	70794835	Chr17.64908	Tgfr(+57001),Dlgap1(+369939)	N/A
Chr17		70843682	70843796	Chr17.64965	Tgfr(+7995),Dlgap1(+418945)	N/A
Chr17		70845631	70845913	Chr17.64983	Tgfr(+5865),Dlgap1(+420978)	N/A
Chr17		70847870	70848273	Chr17.65003	Tgfr(+3662),Dlgap1(+423278)	N/A
Chr17		70849886	70850014	Chr17.65014	Tgfr(+1784),Dlgap1(+425156)	N/A
Chr17		70850059	70850172	Chr17.65016	Tgfr(+1618),Dlgap1(+425322)	N/A
Chr17		70852977	70853139	Chr17.65037	Tgfr(-1324)	N/A
Chr17		70963653	70963763	Chr17.65087	Myf12b(-2921)	N/A
Chr17		70979866	70980148	Chr17.65104	Myf12b(-7220),Myf12a(+4547)	N/A
Chr17		70982224	7098332	Chr17.65112	Myf12b(-7491),Myf12a(+4276)	N/A
Chr17		71001784	71001888	Chr17.65119	Myf12a(+718)	N/A
Chr17		71019430	71019598	Chr17.65127	Myom1(-54)	N/A
Chr17		11067541	11067733	Chr17.6513	Prkn(+512)	N/A
Chr17		71081099	71081210	Chr17.65228	Lpin2(-23521),Myom1(+61587)	N/A
Chr17		11083315	11083516	Chr17.6536	Prkn(-745186),Prkn(+26291)	N/A
Chr17		71249630	71249807	Chr17.65455	Lpin2(-45043),Emilin2(+61246)	N/A
Chr17		71310945	71311087	Chr17.65558	Emilin2(-51)	N/A
Chr17		71311118	71311224	Chr17.65561	Emilin2(-206)	N/A
Chr17		36487899	36488603	Chr17.656	Tb(-m(-91153),Nrx3(+47415)	N/A
Chr17		71598065	71598319	Chr17.65676	Ware4(-18023),Spdyaj(+46131)	N/A
Chr17		71752917	71753158	Chr17.66048	Pcare(-153)	N/A
Chr17		71947459	71947614	Chr17.66305	Clp4(+165890),Alk(+856172)	N/A
Chr17		71980884	71981015	Chr17.66375	Clp4(+199003),Alk(+622759)	N/A
Chr17		71986673	71986833	Chr17.66394	Clp4(+204809),Alk(+616953)	N/A
Chr17		72012667	72012800	Chr17.66424	Clp4(+330781),Alk(+590915)	N/A
Chr17		72058880	72059180	Chr17.66498	Clp4(+277083),Alk(+544679)	N/A
Chr17		72195033	72195154	Chr17.66704	Alk(+408615),Clp4(+413147)	N/A
Chr17		72424458	72424571	Chr17.67063	Alk(+179194),Clp4(+642568)	N/A
Chr17		72486200	72486323	Chr17.67162	Alk(+117447),Clp4(+704315)	N/A
Chr17		72492730	72492840	Chr17.67173	Alk(+110924),Clp4(+12038)	N/A
Chr17		72893752	72893862	Chr17.67405	Ypel5(+42897),Alk(-90099)	N/A
Chr17		72837837	72837964	Chr17.67483	Lbh(-80404),Ypel5(+1197)	N/A
Chr17		72918195	72918307	Chr17.67575	Lbh(-54)	N/A
Chr17		72920428	72920703	Chr17.67585	Lclat1(-187428),Lbh(+2261)	N/A
Chr17		72922499	72922638	Chr17.67590	Lclat1(-185425),Lbh(+4264)	N/A
Chr17		72923682	72923647	Chr17.67603	Lclat1(-181529),Lbh(+8160)	N/A
Chr17		72934866	72935037	Chr17.67612	Lclat1(-173042),Lbh(+16647)	N/A
Chr17		72936031	72936284	Chr17.67618	Lclat1(-171836),Lbh(+17853)	N/A
Chr17		72937754	72937877	Chr17.67627	Lclat1(-170178),Lbh(+19511)	N/A
Chr17		72955568	72955727	Chr17.67646	Lclat1(-152346),Lbh(+37343)	N/A
Chr17		72967461	72967626	Chr17.67659	Lclat1(-140451),Lbh(+49238)	N/A
Chr17		73012511	73012636	Chr17.67683	Lclat1(-95420),Lbh(+94269)	N/A
Chr17		73022569	73022677	Chr17.67689	Lclat1(-85371),Lbh(+104318)	N/A
Chr17		73035133	73035242	Chr17.67709	Lclat1(-72806),Lbh(+116883)	N/A
Chr17		73036019	73036303	Chr17.67712	Lclat1(-71833),Lbh(+117856)	N/A
Chr17		73036574	73036733	Chr17.67718	Lclat1(-71340),Lbh(+118349)	N/A
Chr17		73054031	73054245	Chr17.67732	Lclat1(-63856),Lbh(+135833)	N/A
Chr17		73054363	73054479	Chr17.67736	Lclat1(-63573),Lbh(+136116)	N/A
Chr17		73060630	73060822	Chr17.67740	Lclat1(-47268),Lbh(+142421)	N/A
Chr17		73067490	73067655	Chr17.67761	Lclat1(-40421),Lbh(+149268)	N/A
Chr17		73072363	73072531	Chr17.67771	Lclat1(-35547),Lbh(+154142)	N/A
Chr17		73081802	73081923	Chr17.67781	Lclat1(-26131),Lbh(+163558)	N/A
Chr17		73081976	73082079	Chr17.67782	Lclat1(-25966),Lbh(+163723)	N/A
Chr17		11421545	11421719	Chr17.6779	Prkn(-416970),Prkn(+354507)	N/A
Chr17		73091848	73092062	Chr17.67792	Lclat1(-16039),Lbh(+173650)	N/A
Chr17		73107956	73108092	Chr17.67802	Lclat1(+30)	N/A
Chr17		73220447	73220781	Chr17.67856	Lclat1(+112610),Capn13(+178692)	N/A
Chr17		73258759	73258922	Chr17.67900	Capn13(+140455),Lclat1(+150947)	N/A
Chr17		73387863	73387853	Chr17.68208	Capn13(-188477),Galnt14(+122728)	N/A
Chr17		73628493	73628635	Chr17.68238	Capn13(-229268),Galnt14(+81887)	N/A
Chr17		73701226	73701337	Chr17.68328	Capn13(-301986),Galnt14(+9169)	N/A
Chr17		73811562	73811685	Chr17.68426	Ehd3(+6783),Xdh(+138558)	N/A
Chr17		11542040	11542181	Chr17.6859	Prkn(-296491),Prkn(+494986)	N/A
Chr17		74331290	74331433	Chr17.68855	Spjal(-7623),Dpy30(-7418)	N/A
Chr17		74395551	74395678	Chr17.68903	Slc30a6(+7)	N/A
Chr17		74489407	74489544	Chr17.68990	Yipf4(-17)	N/A
Chr17		11613300	11613441	Chr17.6914	Prkn(-225231),Prkn(+546246)	N/A
Chr17		74846006	74846204	Chr17.69313	Ltbp1(-159463),Tic27(+128355)	N/A
Chr17		74860212	74860629	Chr17.69349	Ltbp1(-139147),Tic27(+148671)	N/A
Chr17		74867007	74867230	Chr17.69355	Ltbp1(-138449),Tic27(+149369)	N/A
Chr17		74870297	74870416	Chr17.69360	Ltbp1(-135211),Tic27(+152607)	N/A
Chr17		74870881	74871024	Chr17.69365	Ltbp1(-134615),Tic27(+153203)	N/A
Chr17		74942860	74943372	Chr17.69401	Ltbp1(-62452),Tic27(+225366)	N/A
Chr17		74984065	74984219	Chr17.69436	Ltbp1(-11426),Tic27(+276392)	N/A
Chr17		75003588	75003549	Chr17.69447	Ltbp1(-99)	N/A
Chr17		75014205	75014307	Chr17.69462	Rasgn3(-421649),Ltbp1(+9688)	N/A
Chr17		75014591	75014693	Chr17.69463	Rasgn3(-421263),Ltbp1(+9074)	N/A
Chr17		75018120	75018405	Chr17.69474	Rasgn3(-417642),Ltbp1(+12695)	N/A
Chr17		75056001	75056855	Chr17.69487	Rasgn3(-379177),Ltbp1(+51160)	N/A
Chr17		75056885	75056990	Chr17.69492	Rasgn3(-378967),Ltbp1(+513170)	N/A
Chr17		75082553	75082731	Chr17.69512	Rasgn3(-363253),Ltbp1(+77074)	N/A
Chr17		75087552	75087707	Chr17.69515	Rasgn3(-348275),Ltbp1(+82062)	N/A
Chr17		75088345	75088457	Chr17.69519	Rasgn3(-347504),Ltbp1(+82833)	N/A
Chr17		75151967	75152068	Chr17.69612	Rasgn3(-283887),Ltbp1(+146450)	N/A
Chr17		75158727	75158837	Chr17.69615	Rasgn3(-277123),Ltbp1(+153214)	N/A
Chr17		75174562	75174725	Chr17.69639	Rasgn3(-361261),Ltbp1(+189078)	N/A
Chr17		75175712	75175983	Chr17.69648	Rasgn3(-280037),Ltbp1(+170228)	N/A

Chr17	75178386	75178847	Chr17.69656	Rasgrp3(-257288),Ltbp1(+173049)	N/A
Chr17	75180011	751800198	Chr17.69662	Rasgrp3(-255800),Ltbp1(+174537)	N/A
Chr17	75190621	75190803	Chr17.69679	Rasgrp3(-245193),Ltbp1(+185144)	N/A
Chr17	75206157	75206698	Chr17.69715	Rasgrp3(-229478),Ltbp1(+200559)	N/A
Chr17	75115289	11715430	Chr17.6976	Prkn(-123242),Prkn(+648235)	N/A
Chr17	75235588	75235748	Chr17.69769	Rasgrp3(-200237),Ltbp1(+230100)	N/A
Chr17	75235995	75236154	Chr17.69773	Rasgrp3(-199830),Ltbp1(+230507)	N/A
Chr17	75239377	75239638	Chr17.69779	Rasgrp3(-196397),Ltbp1(+233940)	N/A
Chr17	75265699	75285901	Chr17.69846	Rasgrp3(-150105),Ltbp1(+280232)	N/A
Chr17	75307078	75307334	Chr17.69876	Rasgrp3(-128699),Ltbp1(+301638)	N/A
Chr17	75323767	75324135	Chr17.69907	Rasgrp3(-111954),Ltbp1(+318383)	N/A
Chr17	75328315	75328429	Chr17.69912	Rasgrp3(-107533),Ltbp1(+322804)	N/A
Chr17	75342332	75342553	Chr17.69928	Rasgrp3(-93462),Ltbp1(+336875)	N/A
Chr17	75308904	75368778	Chr17.70006	Rasgrp3(-67214),Ltbp1(+363123)	N/A
Chr17	75435786	75435958	Chr17.70051	Rasgrp3(-43)	N/A
Chr17	75441059	75441175	Chr17.70064	Rasgrp3(+5212),Fam98a(+110829)	N/A
Chr17	75443150	75443312	Chr17.70067	Rasgrp3(+7326),Fam98a(+108715)	N/A
Chr17	75465314	75465675	Chr17.70086	Rasgrp3(+29590),Fam98a(+86451)	N/A
Chr17	75472457	75472609	Chr17.70098	Rasgrp3(+36628),Fam98a(+79413)	N/A
Chr17	75492897	75498622	Chr17.70141	Fam98a(+53236),Rasgrp3(+62805)	N/A
Chr17	75611405	75641611	Chr17.70315	Fam98a(-89562)	N/A
Chr17	75816981	75817158	Chr17.70445	Fam98a(-265124)	N/A
Chr17	77885777	77885954	Chr17.71422	Crim1(-314382)	N/A
Chr17	77889196	77889332	Chr17.71434	Crim1(-310984)	N/A
Chr17	78199587	78199733	Chr17.71698	Crim1(-588)	N/A
Chr17	78201942	78201673	Chr17.71703	Crim1(+1360),Fex2(+216523)	N/A
Chr17	78202827	78203078	Chr17.71707	Crim1(+2705),Fex2(+215178)	N/A
Chr17	78206452	78206593	Chr17.71725	Crim1(+6275),Fex2(+211608)	N/A
Chr17	78211900	78212086	Chr17.71731	Crim1(+11745),Fex2(+206138)	N/A
Chr17	78213226	78213471	Chr17.71737	Crim1(+13101),Fex2(+204782)	N/A
Chr17	78214146	78214279	Chr17.71741	Crim1(+13965),Fex2(+203918)	N/A
Chr17	78216942	78216943	Chr17.71751	Crim1(+16645),Fex2(+201238)	N/A
Chr17	78217599	78217751	Chr17.71758	Crim1(+17427),Fex2(+200458)	N/A
Chr17	78218661	78218798	Chr17.71759	Crim1(+18482),Fex2(+199401)	N/A
Chr17	78217080	11927247	Chr17.7177	Agpat4(-192120),Prkn(+88562)	N/A
Chr17	78232817	78233044	Chr17.71779	Crim1(+32683),Fex2(+185200)	N/A
Chr17	78244769	78244973	Chr17.71789	Crim1(+44623),Fex2(+172609)	N/A
Chr17	78245651	78245771	Chr17.71793	Crim1(+45463),Fex2(+172420)	N/A
Chr17	78247176	78247277	Chr17.71796	Crim1(+46979),Fex2(+170904)	N/A
Chr17	78250366	78250537	Chr17.71808	Crim1(+50204),Fex2(+167679)	N/A
Chr17	78250572	78250877	Chr17.71811	Crim1(+50477),Fex2(+167406)	N/A
Chr17	78272782	78273061	Chr17.71837	Crim1(+72674),Fex2(+145209)	N/A
Chr17	78328356	78328519	Chr17.71933	Fex2(+86683),Crim1(+128190)	N/A
Chr17	78496979	11949849	Chr17.7195	Agpat4(-168620),Prkn(+111162)	N/A
Chr17	78409952	78410086	Chr17.72087	Fex2(+8112),Crim1(+209771)	N/A
Chr17	78508117	78508452	Chr17.72153	Vil(+222)	N/A
Chr17	78522052	78522246	Chr17.72173	Vil(+14086),Stm(+215047)	N/A
Chr17	78524936	78525088	Chr17.72179	Vil(+16949),Stm(+212194)	N/A
Chr17	785172651	11972819	Chr17.7222	Agpat4(-146549),Prkn(+134133)	N/A
Chr17	78650361	78650621	Chr17.72331	Stm(+86705),Vil(+142428)	N/A
Chr17	78650686	78650856	Chr17.72334	Agpat4(-128552),Prkn(+152130)	N/A
Chr17	78655264	78655476	Chr17.72374	Stm(+81826),Vil(+147307)	N/A
Chr17	78727106	78727237	Chr17.72439	Stm(+10024),Vil(+219109)	N/A
Chr17	78733643	78733757	Chr17.72445	Stm(+3496),Vil(+226637)	N/A
Chr17	78735996	78736101	Chr17.72452	Stm(+1147),Vil(+227986)	N/A
Chr17	12119185	12119422	Chr17.7257	Agpat4(+20)	N/A
Chr17	12119908	12120012	Chr17.7263	Agpat4(+676)	N/A
Chr17	79019851	79019978	Chr17.72876	Prkd3(+901)	N/A
Chr17	79032443	79032459	Chr17.72960	Qpc1(+49458),Cdc42ep3(+262690)	N/A
Chr17	79165208	79165323	Chr17.73015	Qpc1(+113300),Cdc42ep3(+169825)	N/A
Chr17	79170719	79170950	Chr17.73024	Qpc1(+118929),Cdc42ep3(+184256)	N/A
Chr17	79172155	79172335	Chr17.73030	Qpc1(+120339),Cdc42ep3(+182846)	N/A
Chr17	79180680	79180856	Chr17.73047	Qpc1(+128862),Cdc42ep3(+174323)	N/A
Chr17	79200109	79200257	Chr17.73074	Qpc1(+148277),Cdc42ep3(+154908)	N/A
Chr17	79205473	79205725	Chr17.73080	Cdc42ep3(+149492),Qpc1(+153683)	N/A
Chr17	79205808	79206032	Chr17.73085	Cdc42ep3(+149711),Qpc1(+154014)	N/A
Chr17	79226000	79226114	Chr17.73104	Cdc42ep3(+129034),Qpc1(+174151)	N/A
Chr17	79259634	79259805	Chr17.73123	Cdc42ep3(+95371),Qpc1(+207814)	N/A
Chr17	79265708	79265903	Chr17.73134	Cdc42ep3(+89285),Qpc1(+213900)	N/A
Chr17	79267391	79267543	Chr17.73176	Cdc42ep3(+67624),Qpc1(+235561)	N/A
Chr17	79303986	79305593	Chr17.73194	Cdc42ep3(+49501),Qpc1(+25358)	N/A
Chr17	79305855	79306100	Chr17.73199	Cdc42ep3(+49113),Qpc1(+254072)	N/A
Chr17	79317236	79317431	Chr17.73215	Cdc42ep3(+37757),Qpc1(+265428)	N/A
Chr17	79317595	79317695	Chr17.73218	Cdc42ep3(+37446),Qpc1(+265739)	N/A
Chr17	79327948	12228123	Chr17.7328	Map3k4(-4445)	N/A
Chr17	79353850	79354188	Chr17.73291	Cdc42ep3(-1073),Qpc1(+302112)	N/A
Chr17	79358075	79358365	Chr17.73302	Cdc42ep3(-3159)	N/A
Chr17	79454641	79454921	Chr17.73374	Rmdn2(-160119),Cdc42ep3(-99690)	N/A
Chr17	79460043	79460413	Chr17.73390	Rmdn2(-154672),Cdc42ep3(-105137)	N/A
Chr17	79461767	79461883	Chr17.73393	Rmdn2(-153075),Cdc42ep3(-106734)	N/A
Chr17	79472258	79472541	Chr17.73403	Rmdn2(-142500),Cdc42ep3(-117309)	N/A
Chr17	79496586	79496585	Chr17.73425	Cdc42ep3(-140385),Rmdn2(-194424)	N/A
Chr17	79501178	79501287	Chr17.73433	Cdc42ep3(-146142),Rmdn2(-113667)	N/A
Chr17	79509404	79509577	Chr17.73447	Cdc42ep3(-154400),Rmdn2(-105409)	N/A
Chr17	79513723	79513899	Chr17.73467	Cdc42ep3(-158720),Rmdn2(-101089)	N/A
Chr17	79563382	79563502	Chr17.73519	Cdc42ep3(-208351),Rmdn2(-51458)	N/A
Chr17	79715966	79716076	Chr17.73554	Cyp1b1(-980)	N/A
Chr17	79728534	79728972	Chr17.73661	Cyp1b1(-13712),Ar2(+167275)	N/A
Chr17	79745657	79745778	Chr17.73683	Cyp1b1(-30677),Ar2(+150310)	N/A
Chr17	79771911	79772030	Chr17.73705	Cyp1b1(-56930),Ar2(+124057)	N/A
Chr17	79790499	79790623	Chr17.73731	Cyp1b1(-75520),Ar2(+105467)	N/A
Chr17	79793229	79793434	Chr17.73737	Cyp1b1(-78291),Ar2(+102696)	N/A
Chr17	79807098	79810414	Chr17.73749	Cyp1b1(-95065),Ar2(+65922)	N/A
Chr17	79818140	79818278	Chr17.73761	Cyp1b1(-103168),Aliz(+77819)	N/A
Chr17	79848368	79848559	Chr17.73776	Cyp1b1(-133423),Aliz(+47564)	N/A
Chr17	79894902	79895019	Chr17.73830	Cyp1b1(-179920),Aliz(+1067)	N/A
Chr17	79935689	79935796	Chr17.73871	Aliz(-39715),Hnmp1(+126591)	N/A
Chr17	79949041	79949176	Chr17.73881	Aliz(-53081),Hnmp1(+113225)	N/A
Chr17	79969051	79970074	Chr17.73889	Aliz(-73985),Hnmp1(+92321)	N/A
Chr17	79983159	79983263	Chr17.73897	Aliz(-67183),Hnmp1(+79123)	N/A
Chr17	79990423	79990523	Chr17.73904	Aliz(-94445),Hnmp1(+71861)	N/A
Chr17	79991232	79991341	Chr17.73908	Aliz(-95259),Hnmp1(+71047)	N/A
Chr17	80005095	80005207	Chr17.73918	Aliz(-108123),Hnmp1(+57183)	N/A
Chr17	80120366	80120491	Chr17.73989	Galn(+1042)	N/A
Chr17	80168260	80168447	Chr17.74036	Srsf7(+38951),Galn(+40883)	N/A
Chr17	80294466	80294579	Chr17.74268	Dhx57(-4047)	N/A
Chr17	80384168	80384388	Chr17.74353	Arhgef33(+76871),Sos1(+96175)	N/A
Chr17	80428182	80428391	Chr17.74462	Sos1(+52166),Arhgef33(+120880)	N/A
Chr17	80481914	80482038	Chr17.74504	Sos1(-11524),Cdk4(+71857)	N/A
Chr17	80618962	80619241	Chr17.74592	Cdk4(-55278),Map4k3(+108881)	N/A
Chr17	80707227	80707466	Chr17.74645	Cdk4(-143513),Map4k3(+20746)	N/A
Chr17	80709779	80709907	Chr17.74649	Cdk4(-146009),Map4k3(+18250)	N/A
Chr17	80729540	80729643	Chr17.74662	Map4k3(-1499)	N/A
Chr17	80754733	80754836	Chr17.74675	Tmem178(-189847),Map4k3(-26692)	N/A
Chr17	80755180	80755609	Chr17.74678	Tmem178(-189237),Map4k3(-27302)	N/A
Chr17	80772719	80772903	Chr17.74696	Tmem178(-171821),Map4k3(-44718)	N/A
Chr17	80786352	80786566	Chr17.74706	Tmem178(-158173),Map4k3(-58366)	N/A
Chr17	80801411	80801723	Chr17.74729	Tmem178(-143065),Map4k3(-73474)	N/A
Chr17	80801764	80801909	Chr17.74732	Tmem178(-142795),Map4k3(-73744)	N/A
Chr17	80808177	80808323	Chr17.74741	Tmem178(-136362),Map4k3(-80157)	N/A
Chr17	80820915	80821149	Chr17.74751	Tmem178(-123600),Map4k3(-92839)	N/A
Chr17	80825397	80825540	Chr17.74754	Tmem178(-119163),Map4k3(-97376)	N/A
Chr17	80836805	80836931	Chr17.74780	Map4k3(-108775),Tmem178(-107764)	N/A
Chr17	80887551	80887923	Chr17.74833	Map4k3(-159644),Tmem178(-56895)	N/A
Chr17	80899578	80899740	Chr17.74844	Map4k3(-171566),Tmem178(-44973)	N/A
Chr17	80904273	80904373	Chr17.74853	Map4k3(-176230),Tmem178(-40309)	N/A
Chr17	80921887	80922052	Chr17.74867	Map4k3(-193877),Tmem178(-22662)	N/A
Chr17	80924278	80924447	Chr17.74873	Map4k3(-196270),Tmem178(-20269)	N/A
Chr17	80944026	80944132	Chr17.74915	Tmem178(-553)	N/A
Chr17	80982447	80982632	Chr17.74995	Tmem178(+37908),Thumpd2(+82545)	N/A
Chr17	81001193	81001311	Chr17.75036	Tmem178(-56620),Thumpd2(+63833)	N/A
Chr17	81011698	81011825	Chr17.75040	Tmem178(-57130),Thumpd2(+63323)	N/A
Chr17	81011066	81011236	Chr17.75059	Thumpd2(+53934),Tmem178(+66519)	N/A
Chr17	81085279	81085390	Chr17.75106	Gm11096(-356428),Thumpd2(-20250)	N/A
Chr17	81336378	81336521	Chr17.75198	Thumpd2(-271365),Gm11096(-105313)	N/A
Chr17	81419992	81420152	Chr17.75298	Thumpd2(-354982),Gm11096(-21696)	N/A
Chr17	81500783	81500914	Chr17.75444	Gm11096(-59086),Slc8a1(+148758)	N/A
Chr17	81513799	81513915	Chr17.75470	Gm11096(+72094),Slc8a1(+135750)	N/A

Chr17	81542418	81542533	Chr17.75497	Gm11096(+100713),Slc8a1(+107131)	N/A
Chr17	81540488	81580621	Chr17.75552	Slc8a1(+69052),Gm11096(+138792)	N/A
Chr17	81604954	81605089	Chr17.75567	Slc8a1(+44585),Gm11096(+163259)	N/A
Chr17	81605148	81605279	Chr17.75568	Slc8a1(+44393),Gm11096(+163451)	N/A
Chr17	81668151	81668264	Chr17.75689	Gm6594(-871050),Slc8a1(-18601)	N/A
Chr17	81668593	81668801	Chr17.75692	Gm6594(-870561),Slc8a1(-19090)	N/A
Chr17	82214697	82214826	Chr17.75853	Slc8a1(-565155),Gm6594(-324496)	N/A
Chr17	82237428	82237668	Chr17.75859	Slc8a1(-587941),Gm6594(-301710)	N/A
Chr17	82877195	82877333	Chr17.76107	Pkdcc(-338028),Gm6594(+338006)	N/A
Chr17	83042495	83042645	Chr17.76183	Pkdcc(-172723),Gm6594(+503312)	N/A
Chr17	83044694	83044795	Chr17.76187	Pkdcc(-170547),Gm6594(+505487)	N/A
Chr17	83052537	83052721	Chr17.76198	Pkdcc(-162663),Gm6594(+513371)	N/A
Chr17	83065188	83065288	Chr17.76208	Pkdcc(-150054),Gm6594(+525980)	N/A
Chr17	83072165	83072549	Chr17.76215	Pkdcc(-142935),Gm6594(+533099)	N/A
Chr17	83078621	83078159	Chr17.76218	Pkdcc(-137202),Gm6594(+538832)	N/A
Chr17	83098793	83098926	Chr17.76225	Pkdcc(-116432),Gm6594(+559602)	N/A
Chr17	83099280	83099572	Chr17.76227	Pkdcc(-115866),Gm6594(+560168)	N/A
Chr17	83108159	83108399	Chr17.76257	Pkdcc(-107013),Gm6594(+569021)	N/A
Chr17	83110475	83110785	Chr17.76269	Pkdcc(-104672),Gm6594(+571362)	N/A
Chr17	83114467	83114657	Chr17.76284	Pkdcc(-100730),Gm6594(+575304)	N/A
Chr17	83115016	83115116	Chr17.76288	Pkdcc(-100226),Gm6594(+575808)	N/A
Chr17	83115711	83115811	Chr17.76297	Pkdcc(-99531),Gm6594(+576503)	N/A
Chr17	83115876	83116193	Chr17.76299	Pkdcc(-99257),Gm6594(+576777)	N/A
Chr17	83116387	83116525	Chr17.76310	Pkdcc(-98836),Gm6594(+577198)	N/A
Chr17	83119602	83119724	Chr17.76321	Pkdcc(-95629),Gm6594(+580405)	N/A
Chr17	83123106	83123277	Chr17.76325	Pkdcc(-92100),Gm6594(+583334)	N/A
Chr17	83123984	83124138	Chr17.76328	Pkdcc(-91231),Gm6594(+584803)	N/A
Chr17	83125200	83125329	Chr17.76329	Pkdcc(-90027),Gm6594(+586007)	N/A
Chr17	83125698	83125836	Chr17.76333	Pkdcc(-89525),Gm6594(+586509)	N/A
Chr17	83125870	83126082	Chr17.76336	Pkdcc(-89316),Gm6594(+586718)	N/A
Chr17	83127960	83128136	Chr17.76342	Pkdcc(-87242),Gm6594(+588792)	N/A
Chr17	83129290	83129595	Chr17.76349	Pkdcc(-85849),Gm6594(+590185)	N/A
Chr17	83133174	83133463	Chr17.76357	Pkdcc(-81973),Gm6594(+594061)	N/A
Chr17	83133545	83133667	Chr17.76358	Pkdcc(-81686),Gm6594(+594348)	N/A
Chr17	83135738	83135944	Chr17.76360	Pkdcc(-79451),Gm6594(+596583)	N/A
Chr17	83138717	83139033	Chr17.76362	Pkdcc(-76417),Gm6594(+599617)	N/A
Chr17	83148254	83148602	Chr17.76370	Pkdcc(-66844),Gm6594(+609170)	N/A
Chr17	83149623	83149752	Chr17.76381	Pkdcc(-65604),Gm6594(+610430)	N/A
Chr17	83156272	83156393	Chr17.76384	Pkdcc(-58959),Gm6594(+617075)	N/A
Chr17	83156768	83156935	Chr17.76388	Pkdcc(-58440),Gm6594(+617594)	N/A
Chr17	83166694	83166844	Chr17.76393	Pkdcc(-48523),Gm6594(+627511)	N/A
Chr17	83166943	83167183	Chr17.76397	Pkdcc(-48229),Gm6594(+627805)	N/A
Chr17	83175678	83175681	Chr17.76405	Pkdcc(-39471),Gm6594(+636557)	N/A
Chr17	83178805	83178946	Chr17.76421	Pkdcc(-36416),Gm6594(+639618)	N/A
Chr17	83179216	83179466	Chr17.76425	Pkdcc(-35951),Gm6594(+640083)	N/A
Chr17	83193045	83193163	Chr17.76436	Pkdcc(-22188),Gm6594(+653846)	N/A
Chr17	83197250	83197483	Chr17.76442	Pkdcc(-17925),Gm6594(+658109)	N/A
Chr17	83199335	83199434	Chr17.76444	Pkdcc(-15907),Gm6594(+660127)	N/A
Chr17	83199908	83200026	Chr17.76450	Pkdcc(-15325),Gm6594(+660709)	N/A
Chr17	83203878	83204002	Chr17.76454	Pkdcc(-11352),Gm6594(+664682)	N/A
Chr17	83204059	83204250	Chr17.76456	Pkdcc(-11137),Gm6594(+664897)	N/A
Chr17	83205610	83205794	Chr17.76458	Pkdcc(-9590),Gm6594(+666444)	N/A
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Chr17	83213053	83213213	Chr17.76471	Pkdcc(-2159)	N/A
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Chr17	83217460	83217571	Chr17.76486	Emk4(-133415),Pkdcc(+2224)	N/A
Chr17	83218606	83218758	Chr17.76493	Emk4(-132249),Pkdcc(+3390)	N/A
Chr17	83222830	83223054	Chr17.76513	Emk4(-127989),Pkdcc(+7650)	N/A
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Chr17	83226595	83226741	Chr17.76529	Emk4(-124253),Pkdcc(+11376)	N/A
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Chr17	83250847	83251191	Chr17.76555	Emk4(-99912),Pkdcc(+35727)	N/A
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Chr17	83274177	83274332	Chr17.76561	Emk4(-76670),Pkdcc(+38963)	N/A
Chr17	83284894	83285055	Chr17.76565	Emk4(-65958),Pkdcc(+69893)	N/A
Chr17	83307969	83308069	Chr17.76608	Emk4(-42912),Pkdcc(+92727)	N/A
Chr17	83311583	83311823	Chr17.76614	Emk4(-39228),Pkdcc(+96411)	N/A
Chr17	83311987	83312145	Chr17.76615	Emk4(-38865),Pkdcc(+96774)	N/A
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Chr17	83324454	83324609	Chr17.76649	Emk4(-26399),Pkdcc(+109240)	N/A
Chr17	83329864	83329966	Chr17.76653	Emk4(-21016),Pkdcc(+114623)	N/A
Chr17	83351126	83351250	Chr17.76664	Emk4(+457)	N/A
Chr17	83351888	83352008	Chr17.76671	Emk4(+1017),Cox7a2(+162385)	N/A
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Chr17	83517651	83517907	Chr17.76843	Cox7a2(-3446)	N/A
Chr17	83528523	83528625	Chr17.76886	Cox7a2(-14241),Kcng3(+103321)	N/A
Chr17	83545648	83545948	Chr17.76886	Cox7a2(-31465),Kcng3(+86097)	N/A
Chr17	83643081	83643257	Chr17.76980	Mta3(-63022),Kcng3(-11274)	N/A
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Chr17	83708805	83707152	Chr17.77003	Mta3(+788)	N/A
Chr17	83732090	83732244	Chr17.77023	Mta3(+25976),Haoa(+114623)	N/A
Chr17	83804267	83804370	Chr17.77076	Haoa(+42471),Mta3(+98128)	N/A
Chr17	83820169	83820288	Chr17.77095	Haoa(+26561),Mta3(+114038)	N/A
Chr17	83887954	83888102	Chr17.77131	Haoa(-41238),Zfp362(+299919)	N/A
Chr17	83889445	83890143	Chr17.77136	Haoa(-43254),Zfp362(+297903)	N/A
Chr17	83897580	83897711	Chr17.77143	Haoa(-50856),Zfp362(+290301)	N/A
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Chr17	83938904	83939012	Chr17.77187	Haoa(-92168),Zfp362(+248989)	N/A
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Chr17	83954520	83954751	Chr17.77197	Haoa(-107846),Zfp362(+233311)	N/A
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Chr17	83957060	83957162	Chr17.77208	Haoa(-110321),Zfp362(+230836)	N/A
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Chr17	83962195	83962351	Chr17.77216	Haoa(-115483),Zfp362(+225674)	N/A
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Chr17	83983456	83983704	Chr17.77236	Haoa(-136790),Zfp362(+204367)	N/A
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Chr17	83987836	83988030	Chr17.77255	Haoa(-141143),Zfp362(+200014)	N/A
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Chr17	84009349	84009461	Chr17.77269	Haoa(-162615),Zfp362(+178542)	N/A
Chr17	84014339	84014505	Chr17.77272	Haoa(-167632),Zfp362(+173525)	N/A
Chr17	84026250	84026459	Chr17.77277	Haoa(-179565),Zfp362(+161592)	N/A
Chr17	84037891	84038141	Chr17.77286	Haoa(-191276),Zfp362(+149861)	N/A
Chr17	84044482	84044704	Chr17.77291	Haoa(-197803),Zfp362(+143354)	N/A
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Chr17	84085871	84086096	Chr17.77335	Haoa(-239194),Zfp362(+101963)	N/A
Chr17	84096502	84096940	Chr17.77338	Haoa(-249931),Zfp362(+91226)	N/A
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Chr17	84148735	84148853	Chr17.77387	Haoa(-302004),Zfp362(+39153)	N/A
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Chr17	84157210	84157381	Chr17.77401	Haoa(-310506),Zfp362(+30651)	N/A
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Chr17	84244685	84244841	Chr17.77535	Zfp36l2(-56818), Thada(+221433)	N/A
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Chr17	84265145	84265256	Chr17.77582	Zfp36l2(-77254), Thada(+200954)	N/A
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Chr17	84512895	84513010	Chr17.77963	Dync2l1(-113539), Plekhh2(+10652)	N/A
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Chr17	85693951	85694136	Chr17.79816	Six2(-5770), Srd1(+451131)	N/A
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Chr17	85801258	85801366	Chr17.79950	Six2(-113038), Srd1(+343863)	N/A
Chr17	85801844	85802041	Chr17.79952	Six2(-113669), Srd1(+343232)	N/A
Chr17	85802253	85803197	Chr17.79958	Six2(-114768), Srd1(+342115)	N/A
Chr17	85803973	85804111	Chr17.79962	Six2(-115768), Srd1(+341133)	N/A
Chr17	85804954	85805111	Chr17.79970	Six2(-116759), Srd1(+340142)	N/A
Chr17	85805999	85806209	Chr17.79974	Six2(-117830), Srd1(+339071)	N/A
Chr17	85822969	85823106	Chr17.79992	Six2(-134764), Srd1(+322137)	N/A
Chr17	85823358	85823670	Chr17.79995	Six2(-135240), Srd1(+321661)	N/A
Chr17	85823787	85824006	Chr17.79998	Six2(-136223), Srd1(+321278)	N/A
Chr17	85845460	85845563	Chr17.80012	Six2(-157238), Srd1(+299663)	N/A
Chr17	85858019	85858436	Chr17.80022	Six2(-169954), Srd1(+286947)	N/A
Chr17	85868489	85868869	Chr17.80045	Six2(-180405), Srd1(+276496)	N/A
Chr17	85869322	85869476	Chr17.80052	Six2(-181125), Srd1(+275776)	N/A
Chr17	85870494	85870690	Chr17.80057	Six2(-182203), Srd1(+274598)	N/A
Chr17	85871280	85871490	Chr17.80061	Six2(-183111), Srd1(+273790)	N/A
Chr17	85874287	85874481	Chr17.80066	Six2(-186110), Srd1(+270791)	N/A
Chr17	85877829	85878044	Chr17.80076	Six2(-189663), Srd1(+267238)	N/A
Chr17	85881190	85881347	Chr17.80081	Six2(-192995), Srd1(+263906)	N/A
Chr17	85881392	85881551	Chr17.80083	Six2(-193198), Srd1(+263703)	N/A
Chr17	85881712	85881826	Chr17.80086	Six2(-193459), Srd1(+263406)	N/A
Chr17	85881869	85882173	Chr17.80087	Six2(-193747), Srd1(+263154)	N/A
Chr17	85882506	85882645	Chr17.80090	Six2(-194302), Srd1(+262599)	N/A
Chr17	85882676	85882942	Chr17.80094	Six2(-194535), Srd1(+262366)	N/A
Chr17	85886442	85886837	Chr17.80097	Six2(-198366), Srd1(+258535)	N/A
Chr17	85889819	85889933	Chr17.80111	Six2(-201602), Srd1(+255299)	N/A
Chr17	85893305	85893875	Chr17.80114	Six2(-205416), Srd1(+251495)	N/A
Chr17	85902005	85902162	Chr17.80127	Six2(-213810), Srd1(+243091)	N/A

Chr17		85930364	85930468	Chr17.80148	<i>Six2(-242142), Srd1(+214759)</i>	N/A
Chr17		85932102	85932562	Chr17.80152	<i>Six2(-244058), Srd1(+212843)</i>	N/A
Chr17		85932825	85932998	Chr17.80163	<i>Six2(-244038), Srd1(+212269)</i>	N/A
Chr17		85933317	85933451	Chr17.80168	<i>Six2(-247110), Srd1(+209791)</i>	N/A
Chr17		85941196	85941614	Chr17.80174	<i>Six2(-253131), Srd1(+203770)</i>	N/A
Chr17		85943471	85943643	Chr17.80181	<i>Six2(-255283), Srd1(+201618)</i>	N/A
Chr17		85943735	85943918	Chr17.80184	<i>Six2(-255553), Srd1(+201348)</i>	N/A
Chr17		85949750	85950158	Chr17.80200	<i>Six2(-261680), Srd1(+195221)</i>	N/A
Chr17		85955473	85955901	Chr17.80214	<i>Six2(-267143), Srd1(+189488)</i>	N/A
Chr17		85971220	85971319	Chr17.80223	<i>Six2(-262996), Srd1(+173909)</i>	N/A
Chr17		85975204	85975601	Chr17.80225	<i>Six2(-287129), Srd1(+169772)</i>	N/A
Chr17		85978971	85979245	Chr17.80233	<i>Six2(-290834), Srd1(+166067)</i>	N/A
Chr17		85986871	85986975	Chr17.80246	<i>Six2(-298649), Srd1(+158252)</i>	N/A
Chr17		85987789	85987989	Chr17.80251	<i>Six2(-299615), Srd1(+157289)</i>	N/A
Chr17		85989364	85989511	Chr17.80259	<i>Six2(-301164), Srd1(+155737)</i>	N/A
Chr17		85991085	85991231	Chr17.80267	<i>Six2(-302894), Srd1(+154017)</i>	N/A
Chr17		85991395	85991541	Chr17.80268	<i>Six2(-303194), Srd1(+153707)</i>	N/A
Chr17		85994201	85994320	Chr17.80273	<i>Six2(-305987), Srd1(+150914)</i>	N/A
Chr17		85995774	85995991	Chr17.80278	<i>Six2(-307609), Srd1(+149292)</i>	N/A
Chr17		86030009	86030684	Chr17.80311	<i>Six2(-342073), Srd1(+114828)</i>	N/A
Chr17		86032184	86032526	Chr17.80319	<i>Six2(-344081), Srd1(+112620)</i>	N/A
Chr17		86034900	86035224	Chr17.80322	<i>Six2(-346768), Srd1(+110113)</i>	N/A
Chr17		86038024	86038268	Chr17.80333	<i>Six2(-349872), Srd1(+107029)</i>	N/A
Chr17		86040267	86040403	Chr17.80343	<i>Six2(-352061), Srd1(+104840)</i>	N/A
Chr17		86071218	86071474	Chr17.80380	<i>Six2(-383073), Srd1(+73829)</i>	N/A
Chr17		86075980	86076112	Chr17.80388	<i>Six2(-383777), Srd1(+69124)</i>	N/A
Chr17		86076155	86076401	Chr17.80390	<i>Six2(-388004), Srd1(+68897)</i>	N/A
Chr17		86166665	86166765	Chr17.80475	<i>Prkce(-1070)</i>	N/A
Chr17		86169248	86169351	Chr17.80485	<i>Prkce(+1515), Gm10309(+335932)</i>	N/A
Chr17		86177452	86177649	Chr17.80496	<i>Prkce(+9766), Gm10309(+327681)</i>	N/A
Chr17		86185662	86185655	Chr17.80506	<i>Prkce(+17974), Gm10309(+319473)</i>	N/A
Chr17		86228956	86229068	Chr17.80557	<i>Prkce(+61226), Gm10309(+276221)</i>	N/A
Chr17		86250089	86250313	Chr17.80576	<i>Prkce(+62416), Gm10309(+255031)</i>	N/A
Chr17		86254443	86254569	Chr17.80583	<i>Prkce(+86721), Gm10309(+250726)</i>	N/A
Chr17		86256716	86257015	Chr17.80588	<i>Prkce(+89081), Gm10309(+248366)</i>	N/A
Chr17		86266095	86266289	Chr17.80601	<i>Prkce(+89407), Gm10309(+239040)</i>	N/A
Chr17		86277723	86277871	Chr17.80618	<i>Prkce(+110212), Gm10309(+227435)</i>	N/A
Chr17		86283383	86283580	Chr17.80635	<i>Prkce(+115697), Gm10309(+221750)</i>	N/A
Chr17		86283878	86284002	Chr17.80641	<i>Prkce(+116155), Gm10309(+221292)</i>	N/A
Chr17		86287236	86287353	Chr17.80646	<i>Prkce(+119510), Gm10309(+217937)</i>	N/A
Chr17		86291233	86291344	Chr17.80651	<i>Prkce(+123504), Gm10309(+213943)</i>	N/A
Chr17		86297158	86297368	Chr17.80660	<i>Prkce(+129478), Gm10309(+207969)</i>	N/A
Chr17		86313249	86313360	Chr17.80665	<i>Prkce(+145520), Gm10309(+191957)</i>	N/A
Chr17		86324008	86324199	Chr17.80693	<i>Prkce(+156319), Gm10309(+181128)</i>	N/A
Chr17		86329118	86329240	Chr17.80705	<i>Prkce(+161394), Gm10309(+176053)</i>	N/A
Chr17		86329274	86329392	Chr17.80710	<i>Prkce(+161548), Gm10309(+175899)</i>	N/A
Chr17		86345334	86345569	Chr17.80728	<i>Gm10309(+159780), Prkce(+177667)</i>	N/A
Chr17		86350911	86351091	Chr17.80730	<i>Gm10309(+154231), Prkce(+183216)</i>	N/A
Chr17		86351187	86351436	Chr17.80735	<i>Gm10309(+153920), Prkce(+183527)</i>	N/A
Chr17		86353713	86353822	Chr17.80744	<i>Gm10309(+151464), Prkce(+185983)</i>	N/A
Chr17		86356500	86356631	Chr17.80753	<i>Gm10309(+148666), Prkce(+188781)</i>	N/A
Chr17		86365075	86365176	Chr17.80765	<i>Gm10309(+140106), Prkce(+197341)</i>	N/A
Chr17		86371115	86371223	Chr17.80775	<i>Gm10309(+134063), Prkce(+203384)</i>	N/A
Chr17		86371394	86371587	Chr17.80777	<i>Gm10309(+137474), Prkce(+203706)</i>	N/A
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Chr17		86405068	86405247	Chr17.80801	<i>Gm10309(+100074), Prkce(+237373)</i>	N/A
Chr17		86437914	86438222	Chr17.80823	<i>Gm10309(+67164), Prkce(+270283)</i>	N/A
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Chr17		86510306	86510446	Chr17.80906	<i>Epas1(-243531), Gm10309(+15444)</i>	N/A
Chr17		86536340	86536440	Chr17.80946	<i>Epas1(-217517), Gm10309(+11558)</i>	N/A
Chr17		86539942	86540137	Chr17.80955	<i>Epas1(-213867), Gm10309(+34808)</i>	N/A
Chr17		86655920	86656021	Chr17.81091	<i>Gm10309(+150739), Epas1(-97936)</i>	N/A
Chr17		86670731	86670865	Chr17.81105	<i>Gm10309(+165566), Epas1(-83109)</i>	N/A
Chr17		86670765	86670764	Chr17.81110	<i>Gm10309(+202388), Epas1(+46287)</i>	N/A
Chr17		86672634	86672637	Chr17.81123	<i>Gm10309(+221354), Epas1(+2732)</i>	N/A
Chr17		86733677	86733873	Chr17.81131	<i>Gm10309(+228543), Epas1(-20132)</i>	N/A
Chr17		86753664	86753810	Chr17.81142	<i>Epas1(-170)</i>	N/A
Chr17		86754009	86754128	Chr17.81145	<i>Epas1(+162)</i>	N/A
Chr17		86768695	86768886	Chr17.81179	<i>Tmem247(-148556), Epas1(+14885)</i>	N/A
Chr17		86769835	86770126	Chr17.81186	<i>Tmem247(-147368), Epas1(+16075)</i>	N/A
Chr17		86770849	86770860	Chr17.81191	<i>Tmem247(-146593), Epas1(+16848)</i>	N/A
Chr17		86785339	86785516	Chr17.81231	<i>Tmem247(-131920), Epas1(+31521)</i>	N/A
Chr17		86785746	86785971	Chr17.81236	<i>Tmem247(-131489), Epas1(+31952)</i>	N/A
Chr17		86789720	86789821	Chr17.81246	<i>Tmem247(-127577), Epas1(+35864)</i>	N/A
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Chr17		86805069	86805072	Chr17.81262	<i>Tmem247(-116627), Epas1(+46814)</i>	N/A
Chr17		86802880	86803077	Chr17.81267	<i>Tmem247(-114369), Epas1(+49072)</i>	N/A
Chr17		86815150	86815287	Chr17.81284	<i>Tmem247(-102129), Epas1(+61312)</i>	N/A
Chr17		86820738	86820925	Chr17.81298	<i>Tmem247(-96516), Epas1(+66925)</i>	N/A
Chr17		86905473	86905606	Chr17.81400	<i>Tmem247(-11808), Epas1(+151633)</i>	N/A
Chr17		86917339	86917598	Chr17.81406	<i>Tmem247(-116)</i>	N/A
Chr17		86930085	86930223	Chr17.81425	<i>Tmem247(-12806), Atp6v1e2(+17733)</i>	N/A
Chr17		86937928	86938034	Chr17.81437	<i>Atp6v1e2(+9906), Tmem247(+20633)</i>	N/A
Chr17		86949026	86949128	Chr17.81465	<i>Atp6v1e2(-1190)</i>	N/A
Chr17		86961393	86961525	Chr17.81471	<i>Rhoq(-1623)</i>	N/A
Chr17		86964624	86964657	Chr17.81486	<i>Rhoq(+1709), Pigf(+60615)</i>	N/A
Chr17		86967856	86968123	Chr17.81494	<i>Rhoq(+4958), Pigf(+57366)</i>	N/A
Chr17		86969471	86969586	Chr17.81500	<i>Rhoq(+6447), Pigf(+55877)</i>	N/A
Chr17		86987101	86987303	Chr17.81506	<i>Rhoq(+24120), Pigf(+38204)</i>	N/A
Chr17		87041792	87042070	Chr17.81569	<i>Gm5499(-36332), Crip1(+16381)</i>	N/A
Chr17		87054980	87055325	Chr17.81578	<i>Gm5499(-23110), Crip1(+29603)</i>	N/A
Chr17		87057802	87058194	Chr17.81588	<i>Gm5499(-20265), Crip1(+32448)</i>	N/A
Chr17		87092263	87092379	Chr17.81620	<i>Socs5(-15356), Gm5499(+140578)</i>	N/A
Chr17		87093788	87093894	Chr17.81629	<i>Socs5(-13838), Gm5499(+15578)</i>	N/A
Chr17		87106475	87108583	Chr17.81652	<i>Socs5(+850)</i>	N/A
Chr17		87135772	87135902	Chr17.81723	<i>Socs5(+28158), Mcfd2(+130067)</i>	N/A
Chr17		87136486	87136708	Chr17.81730	<i>Socs5(+28918), Mcfd2(+129307)</i>	N/A
Chr17		87136960	87137339	Chr17.81735	<i>Socs5(+29471), Mcfd2(+128754)</i>	N/A
Chr17		87170359	87170351	Chr17.81754	<i>Socs5(+62776), Mcfd2(+95449)</i>	N/A
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Chr17		87200824	87200963	Chr17.81775	<i>Mcfd2(+65010), Socs5(+93215)</i>	N/A
Chr17		87202442	87202573	Chr17.81780	<i>Mcfd2(+63396), Socs5(+94629)</i>	N/A
Chr17		87203680	87203779	Chr17.81787	<i>Mcfd2(+62174), Socs5(+96051)</i>	N/A
Chr17		87241251	87241398	Chr17.81797	<i>Mcfd2(+24579), Socs5(+133646)</i>	N/A
Chr17		87293946	87294074	Chr17.81832	<i>Tlc7(+11124), Stpg4(+133731)</i>	N/A
Chr17		87317338	87317476	Chr17.81851	<i>Tlc7(+34521), Stpg4(+110334)</i>	N/A
Chr17		87330525	87330742	Chr17.81883	<i>Tlc7(+47748), Stpg4(+97107)</i>	N/A
Chr17		87331960	87332064	Chr17.81887	<i>Tlc7(+49126), Stpg4(+96729)</i>	N/A
Chr17		87349870	87349730	Chr17.81924	<i>Tlc7(+86764), Stpg4(+78091)</i>	N/A
Chr17		87350429	87350629	Chr17.81927	<i>Tlc7(+67643), Stpg4(+77212)</i>	N/A
Chr17		87350842	87350962	Chr17.81932	<i>Tlc7(+68016), Stpg4(+76839)</i>	N/A
Chr17		87351530	87351651	Chr17.81935	<i>Tlc7(+68705), Stpg4(+76150)</i>	N/A
Chr17		87372177	87372332	Chr17.81980	<i>Stpg4(+55486), Tlc7(+89369)</i>	N/A
Chr17		87373290	87373498	Chr17.81983	<i>Stpg4(+55297), Tlc7(+89558)</i>	N/A
Chr17		87375898	87376041	Chr17.81988	<i>Stpg4(+51771), Tlc7(+93084)</i>	N/A
Chr17		87377149	87377357	Chr17.81990	<i>Stpg4(+50488), Tlc7(+94367)</i>	N/A
Chr17		87378641	87378802	Chr17.81997	<i>Stpg4(+49019), Tlc7(+95836)</i>	N/A
Chr17		87430509	87430708	Chr17.82043	<i>Stpg4(-2868)</i>	N/A
Chr17		87446865	87446969	Chr17.82061	<i>Calm2(+23)</i>	N/A
Chr17		87447201	87447316	Chr17.82065	<i>Calm2(-324)</i>	N/A
Chr17		87458230	87458351	Chr17.82080	<i>Epcam(-177698), Calm2(-11356)</i>	N/A
Chr17		87458616	87458800	Chr17.82083	<i>Epcam(-177271), Calm2(-11773)</i>	N/A
Chr17		87461120	87461302	Chr17.82092	<i>Epcam(-174768), Calm2(-14276)</i>	N/A
Chr17		87469066	87469192	Chr17.82108	<i>Epcam(-168850), Calm2(-22194)</i>	N/A
Chr17		87473669	87473782	Chr17.82111	<i>Epcam(-162253), Calm2(-26791)</i>	N/A
Chr17		87473952	87474119	Chr17.82113	<i>Epcam(-161943), Calm2(-27101)</i>	N/A
Chr17		87502676	87502918	Chr17.82144	<i>Epcam(-133182), Calm2(-55862)</i>	N/A
Chr17		87512181	87512291	Chr17.82152	<i>Epcam(-123743), Calm2(-65301)</i>	N/A
Chr17		87513223	87513338	Chr17.82154	<i>Epcam(-122699), Calm2(-66346)</i>	N/A
Chr17		87521921	87522185	Chr17.82163	<i>Epcam(-113928), Calm2(-75118)</i>	N/A
Chr17		87532178	87532321	Chr17.82170	<i>Epcam(-103729), Calm2(-85315)</i>	N/A
Chr17		87567352	87567493	Chr17.82175	<i>Calm2(-120488), Epcam(-68556)</i>	N/A
Chr17		3702193	3702449	Chr17.822	<i>Nox3(-6060)</i>	N/A
Chr17		87745294	87745534	Chr17.82287		

Chr17	87877435	87877610	Chr17.82387	<i>Kcnk12(-79529), Rpl36-ps4(-43454)</i>	N/A
Chr17	88062994	88063142	Chr17.82523	<i>Fbxo11(+2223), Mash6(+88018)</i>	N/A
Chr17	88063567	88063688	Chr17.82526	<i>Fbxo11(+1663), Mash6(+88578)</i>	N/A
Chr17	88064016	88064154	Chr17.82532	<i>Fbxo11(+1206), Mash6(+89035)</i>	N/A
Chr17	88064295	88064458	Chr17.82534	<i>Fbxo11(+914)</i>	N/A
Chr17	88065996	88066460	Chr17.82538	<i>Fbxo11(-937)</i>	N/A
Chr17	88066529	88066648	Chr17.82547	<i>Fbxo11(-1298)</i>	N/A
Chr17	88072064	88072331	Chr17.82552	<i>Foxn2(-368513), Fbxo11(-6907)</i>	N/A
Chr17	88159715	88160017	Chr17.82607	<i>Foxn2(-280845), Fbxo11(-94579)</i>	N/A
Chr17	88173854	88174083	Chr17.82620	<i>Foxn2(-266737), Fbxo11(-108683)</i>	N/A
Chr17	88235714	88235863	Chr17.82647	<i>Foxn2(-204922), Fbxo11(-170498)</i>	N/A
Chr17	88274845	88275084	Chr17.82664	<i>Fbxo11(-209674), Foxn2(-165746)</i>	N/A
Chr17	88326025	88326533	Chr17.82673	<i>Fbxo11(-260988), Foxn2(-114432)</i>	N/A
Chr17	88336194	88336308	Chr17.82698	<i>Fbxo11(-270955), Foxn2(-104465)</i>	N/A
Chr17	88493678	88493855	Chr17.82706	<i>Ppp1r12(-36357), Foxn2(-53056)</i>	N/A
Chr17	88494495	88494741	Chr17.82790	<i>Ppp1r12(-35506), Foxn2(-53907)</i>	N/A
Chr17	88505468	88505610	Chr17.82795	<i>Ppp1r12(-24585), Foxn2(+64828)</i>	N/A
Chr17	88511291	88511395	Chr17.82801	<i>Ppp1r12(-18781), Foxn2(+70632)</i>	N/A
Chr17	12739632	12739740	Chr17.8281	<i>Slc22a1(-63848), Igf2r(+29978)</i>	N/A
Chr17	88599111	88599210	Chr17.82902	<i>Slc22a1(-27394), Ppp1r12(+169237)</i>	N/A
Chr17	88642200	88642217	Chr17.82961	<i>Gtf2a1(-26521), Slc11a1(+15564)</i>	N/A
Chr17	12765248	12765447	Chr17.8297	<i>Slc22a1(-89510), Igf2r(+4316)</i>	N/A
Chr17	88669987	88670180	Chr17.83016	<i>Gtf2a1(+1424), Lhcgr(+121892)</i>	N/A
Chr17	88758052	88758205	Chr17.83107	<i>Lhcgr(+33847), Gtf2a1(+89469)</i>	N/A
Chr17	12839578	12839740	Chr17.8311	<i>Igf2r(-69995), Mas1(+28484)</i>	N/A
Chr17	88858838	88859044	Chr17.83222	<i>Lhcgr(-69965), Fshr(+341671)</i>	N/A
Chr17	89297435	89297693	Chr17.83574	<i>Fshr(-36952), Gm10184(-612885)</i>	N/A
Chr17	90059892	90060078	Chr17.84141	<i>Gm10184(-149536)</i>	N/A
Chr17	90454798	90454977	Chr17.84636	<i>Gm10308(-633605), Gm10184(-544439)</i>	N/A
Chr17	90455157	90455561	Chr17.84637	<i>Gm10308(-633134), Gm10184(-544910)</i>	N/A
Chr17	90455664	90455778	Chr17.84643	<i>Gm10308(-632772), Gm10184(-545272)</i>	N/A
Chr17	90455921	90456141	Chr17.84644	<i>Gm10308(-632462), Gm10184(-545582)</i>	N/A
Chr17	90456184	90456383	Chr17.84647	<i>Gm10308(-632209), Gm10184(-545835)</i>	N/A
Chr17	90702305	90702404	Chr17.85018	<i>Gm10184(-791906), Gm10308(-386138)</i>	N/A
Chr17	90702520	90702692	Chr17.85021	<i>Gm10184(-792157), Gm10308(-385887)</i>	N/A
Chr17	90892766	90892953	Chr17.85272	<i>Gm10184(-982411), Gm10308(-195633)</i>	N/A
Chr17	12943293	12943416	Chr17.8548	<i>Acat3(-355)</i>	N/A
Chr17	91091678	91091959	Chr17.85506	<i>Nxn1(+986)</i>	N/A
Chr17	93199461	93199612	Chr17.85807	<i>Adcyap1(+115)</i>	N/A
Chr17	94054529	94054650	Chr17.86240	<i>Mettb4(+695302), Adcyap1(+855168)</i>	N/A
Chr17	94268198	94268336	Chr17.86342	<i>Mettb4(+481625)</i>	N/A
Chr17	3736870	3737136	Chr17.8883	<i>Nox3(-40742)</i>	N/A
Chr17	13867205	13867328	Chr17.8838	<i>Gm1168(-81106), Adfnd(+106719)</i>	N/A
Chr17	13899218	13899464	Chr17.8923	<i>Gm1768(-49032), Afdn(+138793)</i>	N/A
Chr17	14280593	14280855	Chr17.8985	<i>Smoc2(+1218), Thbs2(+413538)</i>	N/A
Chr17	14455978	14456109	Chr17.9043	<i>Smoc2(+176538), Thbs2(+238218)</i>	N/A
Chr17	14439563	14449427	Chr17.9046	<i>Thbs2(+200712), Smoc2(+214584)</i>	N/A
Chr17	14497167	14497406	Chr17.9050	<i>Thbs2(-198975), Smoc2(+217781)</i>	N/A
Chr17	14694114	14694260	Chr17.9183	<i>Thbs2(-75)</i>	N/A
Chr17	15088728	15088931	Chr17.9404	<i>Emard1(+47189), Dll1(+287146)</i>	N/A
Chr17	15248056	15248310	Chr17.9409	<i>Dll1(+127793), Emard1(+206542)</i>	N/A
Chr17	15343115	15343281	Chr17.9437	<i>Dll1(+32778), Emard1(+301557)</i>	N/A
Chr17	15343311	15343698	Chr17.9440	<i>Dll1(+32521), Emard1(+301814)</i>	N/A
Chr17	15371990	15372109	Chr17.9526	<i>Dll1(+3926), Emard1(+330409)</i>	N/A
Chr17	15375952	15376144	Chr17.9549	<i>Dll1(-72)</i>	N/A
Chr17	15376961	15377157	Chr17.9552	<i>Dll1(-1083)</i>	N/A
Chr17	15379199	15379313	Chr17.9563	<i>Dll1(-3280)</i>	N/A
Chr17	15379729	15379848	Chr17.9564	<i>Dll1(-3813)</i>	N/A
Chr17	15381609	15381819	Chr17.9566	<i>Fam1120b(-14532), Dll1(-5738)</i>	N/A
Chr17	15382432	15382540	Chr17.9571	<i>Fam1120b(-13760), Dll1(-6510)</i>	N/A
Chr17	15706147	15706290	Chr17.9774	<i>Chd1(+1252), Rgmb(+120367)</i>	N/A
Chr17	15771310	15771525	Chr17.9861	<i>Rgmb(+55168), Chd1(+66451)</i>	N/A
Chr17	15808883	15809299	Chr17.9909	<i>Rgmb(+17495), Chd1(+104124)</i>	N/A
Chr17	15810580	15810680	Chr17.9915	<i>Rgmb(+15956), Chd1(+105663)</i>	N/A
Chr17	15812267	15812401	Chr17.9918	<i>Rgmb(+14252), Chd1(+107367)</i>	N/A
Chr17	15823577	15823698	Chr17.9952	<i>Rgmb(+2948), Chd1(+118671)</i>	N/A
Chr17	15823992	15824167	Chr17.9954	<i>Rgmb(+2506), Chd1(+119113)</i>	N/A
Chr17	15827889	15828035	Chr17.9965	<i>Rgmb(-1376)</i>	N/A
Chr17	15828781	15828953	Chr17.9969	<i>Rgmb(-2281)</i>	N/A
Chr17	15829632	15830026	Chr17.9977	<i>Rgmb(-3344)</i>	N/A
Chr18	14637150	14637279	Chr18.10009	<i>Ss18(+45609), Gm5160(+212347)</i>	N/A
Chr18	14655685	14655815	Chr18.10039	<i>Ss18(+27164), Gm5160(+230882)</i>	N/A
Chr18	14844009	14844251	Chr18.10143	<i>Taf4b(+60885), Kctd1(+219452)</i>	N/A
Chr18	14844287	14844709	Chr18.10147	<i>Taf4b(+61253), Kctd1(+219084)</i>	N/A
Chr18	14844769	14845276	Chr18.10151	<i>Taf4b(+61778), Kctd1(+218559)</i>	N/A
Chr18	14845309	14845729	Chr18.10152	<i>Taf4b(+62274), Kctd1(+218063)</i>	N/A
Chr18	14917704	14917818	Chr18.10190	<i>Taf4b(+134516), Kctd1(+145821)</i>	N/A
Chr18	14989409	14989597	Chr18.10247	<i>Kctd1(+74079), Taf4b(+206258)</i>	N/A
Chr18	15002114	15002350	Chr18.10257	<i>Kctd1(+61350), Taf4b(+218987)</i>	N/A
Chr18	15015253	15015384	Chr18.10278	<i>Kctd1(+48263), Taf4b(+232074)</i>	N/A
Chr18	15021220	15021324	Chr18.10283	<i>Kctd1(+42310), Taf4b(+238027)</i>	N/A
Chr18	15046564	15046666	Chr18.10304	<i>Kctd1(+16967), Taf4b(+263376)</i>	N/A
Chr18	15060529	15060692	Chr18.10315	<i>Kctd1(+2971), Taf4b(+277366)</i>	N/A
Chr18	15063522	15063701	Chr18.10330	<i>Kctd1(-30)</i>	N/A
Chr18	15064234	15064480	Chr18.10334	<i>Kctd1(-775)</i>	N/A
Chr18	15064742	15064923	Chr18.10337	<i>Kctd1(-1251)</i>	N/A
Chr18	15066118	15066294	Chr18.10339	<i>Kctd1(-2624)</i>	N/A
Chr18	15066700	15066801	Chr18.10342	<i>Kctd1(-3169)</i>	N/A
Chr18	15076413	15076518	Chr18.10361	<i>Kctd1(-12884), Aqp4(+327218)</i>	N/A
Chr18	15084748	15085113	Chr18.10374	<i>Kctd1(-21349), Aqp4(+318753)</i>	N/A
Chr18	15089395	15089722	Chr18.10381	<i>Kctd1(-25977), Aqp4(+314125)</i>	N/A
Chr18	15120076	15120203	Chr18.10394	<i>Kctd1(-56558), Aqp4(+283544)</i>	N/A
Chr18	15120411	15120607	Chr18.10400	<i>Kctd1(-56927), Aqp4(+283175)</i>	N/A
Chr18	15149120	15149239	Chr18.10430	<i>Kctd1(-85598), Aqp4(+254504)</i>	N/A
Chr18	15149293	15149500	Chr18.10432	<i>Kctd1(-85815), Aqp4(+254287)</i>	N/A
Chr18	15151184	15151345	Chr18.10441	<i>Kctd1(-87683), Aqp4(+252419)</i>	N/A
Chr18	15151721	15151899	Chr18.10444	<i>Kctd1(-88228), Aqp4(+251874)</i>	N/A
Chr18	15151960	15152196	Chr18.10445	<i>Kctd1(-89491), Aqp4(+251611)</i>	N/A
Chr18	15152537	15152653	Chr18.10450	<i>Kctd1(-89013), Aqp4(+251089)</i>	N/A
Chr18	15155995	15156101	Chr18.10456	<i>Kctd1(-92466), Aqp4(+247636)</i>	N/A
Chr18	15156372	15156536	Chr18.10458	<i>Kctd1(-92872), Aqp4(+247230)</i>	N/A
Chr18	15162117	15162218	Chr18.10470	<i>Kctd1(-98586), Aqp4(+241516)</i>	N/A
Chr18	15174810	15175056	Chr18.10500	<i>Kctd1(-111351), Aqp4(+228751)</i>	N/A
Chr18	15175569	15175762	Chr18.10504	<i>Kctd1(-112084), Aqp4(+228018)</i>	N/A
Chr18	15175877	15176266	Chr18.10506	<i>Kctd1(-112490), Aqp4(+227612)</i>	N/A
Chr18	15195410	15195605	Chr18.10511	<i>Kctd1(-131926), Aqp4(+208176)</i>	N/A
Chr18	15208459	15208884	Chr18.10540	<i>Kctd1(-145090), Aqp4(+195012)</i>	N/A
Chr18	15253579	15253708	Chr18.10570	<i>Kctd1(-190062), Aqp4(+150040)</i>	N/A
Chr18	15281118	15281218	Chr18.10606	<i>Kctd1(-217586), Aqp4(+122516)</i>	N/A
Chr18	15281575	15281862	Chr18.10610	<i>Kctd1(-218137), Aqp4(+121965)</i>	N/A
Chr18	15295431	15295578	Chr18.10613	<i>Kctd1(-231923), Aqp4(+108179)</i>	N/A
Chr18	15312699	15312955	Chr18.10635	<i>Kctd1(-249245), Aqp4(+90857)</i>	N/A
Chr18	4818286	4818401	Chr18.1070	<i>Svll(-102196), Jcad(+183415)</i>	N/A
Chr18	15406933	15407262	Chr18.10779	<i>Aqp4(-3414)</i>	N/A
Chr18	15539230	15539464	Chr18.10872	<i>Aqp4(-13563), Chat9(+178699)</i>	N/A
Chr18	15539681	15539867	Chr18.10877	<i>Aqp4(-136090), Chat9(+178272)</i>	N/A
Chr18	15543277	15543465	Chr18.10880	<i>Aqp4(-139687), Chat9(+174675)</i>	N/A
Chr18	15544235	15544387	Chr18.10887	<i>Aqp4(-140627), Chat9(+173735)</i>	N/A
Chr18	15551942	15552134	Chr18.10901	<i>Aqp4(-148354), Chat9(+166008)</i>	N/A
Chr18	48403068	48403200	Chr18.1097	<i>Svll(-80406), Jcad(+205205)</i>	N/A
Chr18	15664950	15665062	Chr18.11035	<i>Aqp4(-261522), Chat9(+53340)</i>	N/A
Chr18	15665173	15665278	Chr18.11038	<i>Aqp4(-261542), Chat9(+52820)</i>	N/A
Chr18	4845618	4845785	Chr18.1106	<i>Svll(-74838), Jcad(+210773)</i>	N/A
Chr18	3508861	3507130	Chr18.111	<i>Bambi(-961)</i>	N/A
Chr18	4925022	4925308	Chr18.1128	<i>Svll(-4625), Zfp438(+409274)</i>	N/A
Chr18	3509050	35090547	Chr18.113	<i>Lyx1(-65653), Bambi(-1342)</i>	N/A
Chr18	16038013	16038227	Chr18.11327	<i>Gm10036(+205326), Cdh2(+771126)</i>	N/A
Chr18	4964652	4964765	Chr18.1154	<i>Svll(+44169), Zfp438(+369730)</i>	N/A
Chr18	4968046	4968199	Chr18.1158	<i>Svll(+47583), Zfp438(+366316)</i>	N/A
Chr18	4968880	4969018	Chr18.1165	<i>Svll(+48409), Zfp438(+365490)</i>	N/A
Chr18	16390108	16390254	Chr18.11672	<i>Cdh2(+419065), Gm10036(+557387)</i>	N/A
Chr18	16437639	16437824	Chr18.11728	<i>Cdh2(+37154), Gm10036(+504938)</i>	N/A
Chr18	4981586	4981770	Chr18.1176	<i>Svll(+61138), Zfp438(+352761)</i>	N/A
Chr18	4982319	4982465	Chr18.1178	<i>Svll(+61852), Zfp438(+352047)</i>	N/A
Chr18	16547346	16547449	Chr18.11790	<i>Cdh2(+261848), Gm10036(+714604)</i>	N/A
Chr18	16601876	16602076	Chr18.11859	<i>Cdh2(+207270), Gm10036(+769182)</i>	N/A
Chr18	16605978	16606117	Chr18.11865	<i>Cdh2(+203198), Gm10036(+73254)</i>	N/A
Chr18	4994494	4994762	Chr18.1187	<i>Svll(-74088), Zfp438(+339811)</i>	N/A

Chr18	16622839	16622942	Chr18.11884	Cdh2(+186355),Gm10036(+790097)	N/A
Chr18	16623049	16623293	Chr18.11888	Cdh2(+186075),Gm10036(+790377)	N/A
Chr18	3510393	3510512	Chr18.120	Lyz1(-655379),Bambi(+2496)	N/A
Chr18	16676955	16677033	Chr18.12007	Cdh2(+139102),Gm10036(+837350)	N/A
Chr18	16672738	16672839	Chr18.12015	Cdh2(+136457),Gm10036(+839995)	N/A
Chr18	16681840	16681951	Chr18.12024	Cdh2(+127350),Gm10036(+849102)	N/A
Chr18	16692294	16692670	Chr18.12050	Cdh2(+116764),Gm10036(+859688)	N/A
Chr18	5007705	5007914	Chr18.12057	Svll(+87300),Zfp438(+326599)	N/A
Chr18	3510812	3510755	Chr18.121	Lyz1(-655148),Bambi(+2727)	N/A
Chr18	16740755	16740989	Chr18.12129	Cdh2(+48374),Gm10036(+928078)	N/A
Chr18	3510788	3510958	Chr18.122	Lyz1(-654959),Bambi(+2916)	N/A
Chr18	16805767	16805929	Chr18.12213	Cdh2(+3398),Gm10036(+973054)	N/A
Chr18	16806497	16806664	Chr18.12219	Cdh2(+2665),Gm10036(+973787)	N/A
Chr18	16831161	16831270	Chr18.12261	Cdh2(-21970)	N/A
Chr18	5034908	5035122	Chr18.1241	Svll(+114475),Zfp438(+299424)	N/A
Chr18	17196474	17196595	Chr18.12470	Cdh2(-387289)	N/A
Chr18	17624841	17625043	Chr18.12732	Cdh2(-815696)	N/A
Chr18	17732305	17732515	Chr18.12805	Cdh2(-923164)	N/A
Chr18	3511626	3511752	Chr18.131	Lyz1(-654143),Bambi(+3732)	N/A
Chr18	19880272	19880461	Chr18.13482	Dsc3(+121730)	N/A
Chr18	20188294	20189421	Chr18.13892	Dsc1(-73580),Dag1c(-58987)	N/A
Chr18	20218612	20218724	Chr18.13909	Dsc1(-103895),Dag1c(-28672)	N/A
Chr18	20510040	20510238	Chr18.14270	Dag3(-165)	N/A
Chr18	20961633	20961807	Chr18.14693	Rnf138(-39621),Rnf125(+17095)	N/A
Chr18	21158098	21158216	Chr18.14682	Mep1b(-85813),Gareml(+141981)	N/A
Chr18	3514948	3515168	Chr18.150	Lyz1(-650774),Bambi(+7101)	N/A
Chr18	21177504	21177760	Chr18.15004	Mep1b(-105288),Gareml(+122506)	N/A
Chr18	21158683	21196094	Chr18.15039	Gareml(+104159),Mep1b(+123635)	N/A
Chr18	21272957	21273059	Chr18.15122	Gareml(+27130),Mep1b(+200664)	N/A
Chr18	21273099	21273243	Chr18.15125	Gareml(+26967),Mep1b(+200827)	N/A
Chr18	21273859	21274224	Chr18.15128	Gareml(+26056),Mep1b(+201739)	N/A
Chr18	21282228	21282336	Chr18.15136	Gareml(+117855),Mep1b(+209938)	N/A
Chr18	21286537	21286681	Chr18.15144	Gareml(+13529),Mep1b(+214265)	N/A
Chr18	21291768	21291893	Chr18.15153	Gareml(+8307),Mep1b(+219487)	N/A
Chr18	21299107	21299264	Chr18.15164	Gareml(+952)	N/A
Chr18	21477205	21477511	Chr18.15289	Gareml(-177220),Kiln14(+177360)	N/A
Chr18	5152295	5152395	Chr18.1541	Zfp438(+18204),Svll(+231805)	N/A
Chr18	5160372	5160586	Chr18.1546	Zfp438(+173960),Svll(-2393939)	N/A
Chr18	21635620	21635749	Chr18.15465	Gareml(-335547),Kiln14(+19033)	N/A
Chr18	21636379	21636513	Chr18.15468	Gareml(-336308),Kiln14(+18272)	N/A
Chr18	21636651	21636757	Chr18.15471	Gareml(-336566),Kiln14(+18014)	N/A
Chr18	21642672	21642681	Chr18.15476	Gareml(-342629),Kiln14(+11951)	N/A
Chr18	21652667	21652908	Chr18.15507	Gareml(-352650),Kiln14(+19309)	N/A
Chr18	5162967	5163111	Chr18.15551	Zfp438(-171400),Svll(+242499)	N/A
Chr18	21652979	21653251	Chr18.15510	Gareml(-352977),Kiln14(+1603)	N/A
Chr18	21653692	21653836	Chr18.15513	Kiln14(+954)	N/A
Chr18	21653914	21654027	Chr18.15516	Kiln14(+747)	N/A
Chr18	21671504	21671745	Chr18.15567	Kiln14(-20907),Cdc178(+495771)	N/A
Chr18	21676053	21676204	Chr18.15575	Kiln14(-21411),Cdc178(+495267)	N/A
Chr18	21699284	21699428	Chr18.15607	Kiln14(-44638),Cdc178(+472040)	N/A
Chr18	21713385	21713539	Chr18.15627	Kiln14(-58744),Cdc178(+457934)	N/A
Chr18	21713958	21714389	Chr18.15635	Kiln14(-59456),Cdc178(+457222)	N/A
Chr18	21728511	21728877	Chr18.15644	Kiln14(-73978),Cdc178(+442702)	N/A
Chr18	21729011	21729491	Chr18.15649	Kiln14(-74533),Cdc178(+442145)	N/A
Chr18	5186961	5187081	Chr18.1566	Zfp438(-147418),Svll(+266481)	N/A
Chr18	21735300	21735745	Chr18.15662	Kiln14(-80805),Cdc178(+435873)	N/A
Chr18	21736215	21736476	Chr18.15669	Kiln14(-81628),Cdc178(+435050)	N/A
Chr18	21845088	21845348	Chr18.15765	Kiln14(-190500),Cdc178(+326178)	N/A
Chr18	21845673	21845673	Chr18.15767	Kiln14(-190879),Cdc178(-325803)	N/A
Chr18	21921793	21922031	Chr18.15827	Kiln14(-267194),Cdc178(+240494)	N/A
Chr18	5199052	5199195	Chr18.1584	Zfp438(+135315),Svll(+278584)	N/A
Chr18	5199324	5199503	Chr18.1587	Zfp438(+135025),Svll(+278874)	N/A
Chr18	22161667	22161781	Chr18.15969	Kiln14(-507006),Cdc178(+9672)	N/A
Chr18	5207980	5207972	Chr18.1597	Zfp438(-126608),Svll(+287291)	N/A
Chr18	22290368	22290528	Chr18.16022	Cdc178(-119052),Asx3(-54641)	N/A
Chr18	22344692	22345271	Chr18.16059	Asx3(-107)	N/A
Chr18	22345417	22345533	Chr18.16064	Asx3(+386)	N/A
Chr18	22345601	22345831	Chr18.16066	Asx3(+627)	N/A
Chr18	22346037	22346347	Chr18.16073	Asx3(+1103),Nol4(+692464)	N/A
Chr18	22346510	22346715	Chr18.16076	Asx3(+1526),Nol4(+692043)	N/A
Chr18	22345457	22345816	Chr18.16090	Asx3(+15566),Nol4(+688021)	N/A
Chr18	22403188	22403294	Chr18.16177	Asx3(+58152),Nol4(+635415)	N/A
Chr18	22409368	22409745	Chr18.16200	Asx3(+64468),Nol4(+629099)	N/A
Chr18	22410078	22410260	Chr18.16205	Asx3(+65080),Nol4(+628487)	N/A
Chr18	22489025	22489226	Chr18.16312	Asx3(+144037),Nol4(+549530)	N/A
Chr18	22529055	22529289	Chr18.16506	Asx3(+184058),Nol4(+509509)	N/A
Chr18	22529457	22529762	Chr18.16508	Asx3(+184521),Nol4(+509046)	N/A
Chr18	22696980	22697079	Chr18.16559	Nol4(+341626),Asx3(+351941)	N/A
Chr18	22850540	22851091	Chr18.16672	Nol4(+187840),Asx3(+505727)	N/A
Chr18	229844268	22984448	Chr18.16737	Nol4(+54298),Asx3(+639269)	N/A
Chr18	23036967	23036965	Chr18.16752	Nol4(+905),Asx3(+691662)	N/A
Chr18	23039498	23039498	Chr18.16789	Nol4(-767)	N/A
Chr18	23041100	23041372	Chr18.16783	Nol4(-2580)	N/A
Chr18	23041713	23042069	Chr18.16791	Nol4(-3235)	N/A
Chr18	23310054	23310256	Chr18.16887	Nol4(-271499),Dtna(-105260)	N/A
Chr18	23415027	23415127	Chr18.16950	Dtna(-338)	N/A
Chr18	23415347	23415469	Chr18.16954	Dtna(-7)	N/A
Chr18	23497356	23497732	Chr18.17030	Mapre2(-306440),Dtna(+82129)	N/A
Chr18	5299128	5299358	Chr18.1722	Zfp438(+35196),Svll(+378703)	N/A
Chr18	23653235	23653430	Chr18.17227	Mapre2(-150651),Dtna(+237918)	N/A
Chr18	23693021	23693308	Chr18.17283	Mapre2(-110819),Dtna(+277750)	N/A
Chr18	23752307	23752451	Chr18.17313	Mapre2(-51605),Dtna(+336964)	N/A
Chr18	23754537	23754688	Chr18.17330	Mapre2(-49372),Dtna(+339197)	N/A
Chr18	23804559	23804730	Chr18.17411	Mapre2(+651)	N/A
Chr18	23804792	23805076	Chr18.17413	Mapre2(+950)	N/A
Chr18	23805788	23805911	Chr18.17422	Zfp397(-148838),Mapre2(+1866)	N/A
Chr18	23807556	23807799	Chr18.17430	Zfp397(-147010),Mapre2(+3694)	N/A
Chr18	23899862	23899920	Chr18.17500	Zfp397(-85546),Mapre2(+65158)	N/A
Chr18	23872624	23872730	Chr18.17506	Zfp397(-82011),Mapre2(+68693)	N/A
Chr18	23911310	23911627	Chr18.17548	Zfp397(-43219),Mapre2(+107485)	N/A
Chr18	23921630	23921842	Chr18.17555	Zfp397(-32952),Mapre2(+117752)	N/A
Chr18	23926315	23926703	Chr18.17562	Zfp397(-28179),Mapre2(+122525)	N/A
Chr18	24020704	24020825	Chr18.17660	Zfp24(+43)	N/A
Chr18	24071515	24071647	Chr18.17668	Zfp24(-54671),Ino80c(+46472)	N/A
Chr18	24086890	24087096	Chr18.17677	Zfp24(-66183),Ino80c(+34960)	N/A
Chr18	24101839	24101968	Chr18.17688	Zfp24(-81094),Ino80c(+20049)	N/A
Chr18	24710378	24710528	Chr18.18101	Gm9955(-1105),Fhod3(+1008)	N/A
Chr18	24751923	24752147	Chr18.18141	Fhod3(+42590),Tpgs2(+16972)	N/A
Chr18	24802578	24802741	Chr18.18183	Fhod3(+93215),Tpgs2(-386347)	N/A
Chr18	24806172	24806358	Chr18.18188	Fhod3(-96520),Tpgs2(+362742)	N/A
Chr18	24817762	24818033	Chr18.18199	Fhod3(+108453),Tpgs2(+351109)	N/A
Chr18	24828856	24828971	Chr18.18208	Fhod3(+119469),Tpgs2(+340093)	N/A
Chr18	24863044	24863320	Chr18.18235	Fhod3(+153737),Tpgs2(+305825)	N/A
Chr18	24870370	24870517	Chr18.18245	Fhod3(+160999),Tpgs2(+268563)	N/A
Chr18	24901822	24902162	Chr18.18262	Fhod3(+192547),Tpgs2(+287015)	N/A
Chr18	24902352	24902464	Chr18.18264	Fhod3(+192953),Tpgs2(+265599)	N/A
Chr18	24907625	24907776	Chr18.18275	Fhod3(+198256),Tpgs2(+261306)	N/A
Chr18	25061734	25061859	Chr18.18407	Tpgs2(+107210),Fhod3(+352352)	N/A
Chr18	25064543	25064743	Chr18.18408	Tpgs2(+104364),Fhod3(+355198)	N/A
Chr18	25065371	25065779	Chr18.18412	Tpgs2(+103432),Fhod3(+356130)	N/A
Chr18	5411323	5411478	Chr18.1844	Zeb1(-180459),Zfp438(-76962)	N/A
Chr18	25093723	25093847	Chr18.18470	Tpgs2(+75222),Fhod3(+384340)	N/A
Chr18	25107707	25107872	Chr18.18490	Tpgs2(+61217),Fhod3(+398345)	N/A
Chr18	5428003	5428181	Chr18.1856	Zeb1(-163768),Zfp438(-93653)	N/A
Chr18	5428696	5428879	Chr18.1862	Zeb1(-163072),Zfp438(-94349)	N/A
Chr18	25282898	25282898	Chr18.18643	Aw554918(-113683),Ceif4(+471280)	N/A
Chr18	5431722	5431887	Chr18.1869	Zeb1(-160055),Zfp438(-97366)	N/A
Chr18	5432060	5432166	Chr18.1873	Zeb1(-159747),Zfp438(-97674)	N/A
Chr18	5441178	5441398	Chr18.1882	Zeb1(-150572),Zfp438(-106849)	N/A
Chr18	25538817	25538969	Chr18.18915	Ceif4(+215090),Aw554918(+369873)	N/A
Chr18	25544330	25544460	Chr18.18920	Ceif4(+209588),Aw554918(+375375)	N/A
Chr18	25548937	25549790	Chr18.18926	Ceif4(+205269),Aw554918(+379694)	N/A
Chr18	25548882	25549046	Chr18.18928	Ceif4(+205019),Aw554918(+379944)	N/A
Chr18	25550181	25550388	Chr18.18929	Ceif4(+203698),Aw554918(+381265)	N/A
Chr18	25551978	25552225	Chr18.18933	Ceif4(+201881),Aw554918(+383082)	N/A
Chr18	25576808	25576983	Chr18.18959	Ceif4(+177087),Aw554918(+407876)	N/A
Chr18	25583154	25583317	Chr18.18966	Ceif4(+170747),Aw554918(+414241)	N/A
Chr18	25590299	25590406	Chr18.18973	Ceif4(+163630),Aw554918(+421333)	N/A

Chr18	25590738	25590867	Chr18.18974	<i>Celf4</i> (+163180), <i>Aw554918</i> (+421783)	N/A
Chr18	25600511	25600765	Chr18.18987	<i>Celf4</i> (+153345), <i>Aw554918</i> (+431618)	N/A
Chr18	5440898	5440829	Chr18.1900	<i>Zeb1</i> (-145098), <i>Zfp438</i> (-112325)	N/A
Chr18	25609800	25610023	Chr18.19008	<i>Celf4</i> (+144071), <i>Aw554918</i> (+440892)	N/A
Chr18	25621979	25622230	Chr18.19024	<i>Celf4</i> (+131878), <i>Aw554918</i> (+453085)	N/A
Chr18	25630485	25630592	Chr18.19034	<i>Celf4</i> (+123444), <i>Aw554918</i> (+461519)	N/A
Chr18	25634385	25634651	Chr18.19044	<i>Celf4</i> (+119465), <i>Aw554918</i> (+465498)	N/A
Chr18	25634801	25634913	Chr18.19049	<i>Celf4</i> (+119126), <i>Aw554918</i> (+465837)	N/A
Chr18	5449425	5449542	Chr18.1906	<i>Zeb1</i> (-142376), <i>Zfp438</i> (-115045)	N/A
Chr18	25638656	25643974	Chr18.19064	<i>Celf4</i> (+110068), <i>Aw554918</i> (+474895)	N/A
Chr18	25645968	25646100	Chr18.19067	<i>Celf4</i> (+107949), <i>Aw554918</i> (+477014)	N/A
Chr18	25653167	25653328	Chr18.19075	<i>Celf4</i> (+100735), <i>Aw554918</i> (+484228)	N/A
Chr18	25653567	25653691	Chr18.19076	<i>Celf4</i> (+100354), <i>Aw554918</i> (+484609)	N/A
Chr18	25656196	25656427	Chr18.19081	<i>Celf4</i> (+97671), <i>Aw554918</i> (+487292)	N/A
Chr18	25658894	25659140	Chr18.19087	<i>Celf4</i> (+94918), <i>Aw554918</i> (+490047)	N/A
Chr18	5449892	5449991	Chr18.1910	<i>Zeb1</i> (-141923), <i>Zfp438</i> (-115498)	N/A
Chr18	5459410	5459513	Chr18.1916	<i>Zeb1</i> (-132398), <i>Zfp438</i> (-125023)	N/A
Chr18	25754297	25754445	Chr18.19331	<i>Celf4</i> (-388)	N/A
Chr18	26061907	26062275	Chr18.19607	<i>Celf4</i> (-308108)	N/A
Chr18	5515550	5515687	Chr18.1966	<i>Zfp438</i> (-181265), <i>Zeb1</i> (-78156)	N/A
Chr18	5516184	5516290	Chr18.1970	<i>Zfp438</i> (-181798), <i>Zeb1</i> (-75623)	N/A
Chr18	26161698	26162028	Chr18.19706	<i>Celf4</i> (-407880)	N/A
Chr18	5516720	5516960	Chr18.1975	<i>Zfp438</i> (-182401), <i>Zeb1</i> (-75020)	N/A
Chr18	26262152	26262292	Chr18.19850	<i>Celf4</i> (-508239)	N/A
Chr18	26268506	26268681	Chr18.19879	<i>Celf4</i> (-514611)	N/A
Chr18	5591696	5591803	Chr18.2006	<i>Zeb1</i> (-110)	N/A
Chr18	5593519	5593641	Chr18.2012	<i>Zeb1</i> (+1720), <i>Arhgap12</i> (+542518)	N/A
Chr18	5593960	5594153	Chr18.2015	<i>Zeb1</i> (+2197), <i>Arhgap12</i> (+542041)	N/A
Chr18	5594182	5594533	Chr18.2019	<i>Zeb1</i> (+2498), <i>Arhgap12</i> (+541740)	N/A
Chr18	26711149	26711400	Chr18.20216	<i>Celf4</i> (-957292), <i>Gm7729</i> (-887369)	N/A
Chr18	5618047	5618233	Chr18.2035	<i>Zeb1</i> (+26280), <i>Arhgap12</i> (+517958)	N/A
Chr18	26841877	26842178	Chr18.20352	<i>Gm7729</i> (-55616)	N/A
Chr18	27073581	27073825	Chr18.20627	<i>Gm7729</i> (-524941)	N/A
Chr18	5806655	5806958	Chr18.2109	<i>Zeb1</i> (+214947), <i>Arhgap12</i> (+329291)	N/A
Chr18	27582652	27582851	Chr18.21137	<i>Gm7729</i> (-15892)	N/A
Chr18	5836315	5835497	Chr18.2123	<i>Zeb1</i> (+243546), <i>Arhgap12</i> (+300692)	N/A
Chr18	5857920	5858065	Chr18.2138	<i>Zeb1</i> (+266133), <i>Arhgap12</i> (+278105)	N/A
Chr18	27928975	27929348	Chr18.21570	<i>Gm7729</i> (+330518)	N/A
Chr18	28077765	28077949	Chr18.21770	<i>Gm7729</i> (+479213)	N/A
Chr18	28078587	28078784	Chr18.21775	<i>Gm7729</i> (+480042)	N/A
Chr18	5945008	5945339	Chr18.2184	<i>Arhgap12</i> (+190924), <i>Zeb1</i> (+353314)	N/A
Chr18	6025382	6025616	Chr18.2228	<i>Arhgap12</i> (+110599), <i>Zeb1</i> (+433639)	N/A
Chr18	28852096	28852599	Chr18.22499	None	N/A
Chr18	28874663	28874904	Chr18.22538	None	N/A
Chr18	29210040	29210228	Chr18.22847	None	N/A
Chr18	29262984	29263276	Chr18.22887	None	N/A
Chr18	29263335	29263554	Chr18.22890	None	N/A
Chr18	29264729	29264903	Chr18.22894	None	N/A
Chr18	29417023	29417170	Chr18.23057	<i>Pik3c3</i> (-855650)	N/A
Chr18	29470530	29470835	Chr18.23116	<i>Pik3c3</i> (-802064)	N/A
Chr18	29516194	29516488	Chr18.23157	<i>Pik3c3</i> (-756406)	N/A
Chr18	6137506	6137685	Chr18.2318	<i>Arhgap12</i> (-1498)	N/A
Chr18	29550214	29550556	Chr18.23187	<i>Pik3c3</i> (-722362)	N/A
Chr18	29631976	29632148	Chr18.23264	<i>Pik3c3</i> (-640685)	N/A
Chr18	29632790	29632910	Chr18.23271	<i>Pik3c3</i> (-639897)	N/A
Chr18	29633153	29633372	Chr18.23272	<i>Pik3c3</i> (-639484)	N/A
Chr18	29638229	29638407	Chr18.23282	<i>Pik3c3</i> (-634429)	N/A
Chr18	6193884	6193562	Chr18.2332	<i>Arhgap12</i> (-57375), <i>Klf5b</i> (+48050)	N/A
Chr18	29936857	29937055	Chr18.23662	<i>Pik3c3</i> (-335791)	N/A
Chr18	36534222	3653553	Chr18.239	<i>Lyz1</i> (-512344), <i>Bambi</i> (+145531)	N/A
Chr18	30045345	30045450	Chr18.23847	<i>Pik3c3</i> (-227349)	N/A
Chr18	30045934	30046063	Chr18.23855	<i>Pik3c3</i> (-226748)	N/A
Chr18	3281061	3281233	Chr18.24	<i>Vmn1r238</i> (-157735), <i>Crem</i> (+56532)	N/A
Chr18	30141338	30141681	Chr18.24025	<i>Pik3c3</i> (-131237)	N/A
Chr18	30423938	30424095	Chr18.24320	<i>Pik3c3</i> (+151270), <i>Rli2</i> (+893116)	N/A
Chr18	30530295	30530467	Chr18.24415	<i>Pik3c3</i> (+257634), <i>Rli2</i> (+786752)	N/A
Chr18	30736923	30737049	Chr18.24589	<i>Pik3c3</i> (+464239), <i>Rli2</i> (+580147)	N/A
Chr18	30854980	30855097	Chr18.24696	<i>Rli2</i> (+462004), <i>Pik3c3</i> (+582292)	N/A
Chr18	6488833	6488985	Chr18.2471	<i>Epc1</i> (+1947), <i>Rpl27-ps3</i> (+156319)	N/A
Chr18	30934674	30934801	Chr18.24751	<i>Rli2</i> (+382339), <i>Pik3c3</i> (+661991)	N/A
Chr18	6513815	6513729	Chr18.2486	<i>4921524i21rik</i> (-8981), <i>Epc1</i> (-22816)	N/A
Chr18	6513802	6513935	Chr18.2496	<i>4921524i21rik</i> (-89764), <i>Epc1</i> (-23013)	N/A
Chr18	6514933	6515124	Chr18.2505	<i>4921524i21rik</i> (-88604), <i>Epc1</i> (-24173)	N/A
Chr18	6515317	6515674	Chr18.2508	<i>4921524i21rik</i> (-88137), <i>Epc1</i> (-24640)	N/A
Chr18	6515784	6515973	Chr18.2511	<i>4921524i21rik</i> (-87754), <i>Epc1</i> (-25023)	N/A
Chr18	31447238	31447430	Chr18.25118	<i>3y4</i> (+81)	N/A
Chr18	6516087	6516215	Chr18.2516	<i>4921524i21rik</i> (-87482), <i>Epc1</i> (-25295)	N/A
Chr18	6516831	6516982	Chr18.2519	<i>4921524i21rik</i> (-86726), <i>Epc1</i> (-26051)	N/A
Chr18	31634302	31634403	Chr18.25203	<i>Sap130</i> (-30)	N/A
Chr18	31634752	31634875	Chr18.25209	<i>Sap130</i> (+431)	N/A
Chr18	31634954	31635089	Chr18.25213	<i>Sap130</i> (+639)	N/A
Chr18	31759800	31759920	Chr18.25296	<i>Ammecr1</i> (+36)	N/A
Chr18	31760093	31760195	Chr18.25300	<i>Ammecr1</i> (+320)	N/A
Chr18	31761753	31761903	Chr18.25303	<i>Polr2d</i> (-27331), <i>Ammecr1</i> (+2004)	N/A
Chr18	31763715	31763833	Chr18.25304	<i>Polr2d</i> (-25385), <i>Ammecr1</i> (+3950)	N/A
Chr18	31783231	31783359	Chr18.25354	<i>Polr2d</i> (-5864), <i>Ammecr1</i> (+23471)	N/A
Chr18	31804051	31804170	Chr18.25373	<i>Wdr33</i> (+54)	N/A
Chr18	31950015	31950185	Chr18.25502	<i>Gpr17</i> (-464)	N/A
Chr18	6820166	6820409	Chr18.2586	<i>Rab18</i> (+55083), <i>Mxx</i> (+184426)	N/A
Chr18	32380398	32380560	Chr18.26075	<i>Bin1</i> (+3262), <i>Gypc</i> (+179555)	N/A
Chr18	6884937	6885118	Chr18.2617	<i>Mxx</i> (+19686), <i>Rab18</i> (+119823)	N/A
Chr18	32939973	32940143	Chr18.26251	<i>Camk4</i> (+1017), <i>Slard4</i> (+273804)	N/A
Chr18	6897653	6897829	Chr18.2626	<i>Mxx</i> (+106973), <i>Rab18</i> (+125356)	N/A
Chr18	32970982	32971152	Chr18.26288	<i>Camk4</i> (+32026), <i>Slard4</i> (+242795)	N/A
Chr18	6900546	6900735	Chr18.2633	<i>Mxx</i> (+104073), <i>Rab18</i> (+135436)	N/A
Chr18	6905236	6905504	Chr18.2642	<i>Mxx</i> (+99344), <i>Rab18</i> (+140165)	N/A
Chr18	33259960	33260093	Chr18.26421	<i>Slard4</i> (-46165), <i>Nrep</i> (+203607)	N/A
Chr18	33260435	33260539	Chr18.26422	<i>Slard4</i> (-46625), <i>Nrep</i> (+203147)	N/A
Chr18	33302509	33302616	Chr18.26430	<i>Slard4</i> (-68701), <i>Nrep</i> (+161071)	N/A
Chr18	33377969	33378166	Chr18.26460	<i>Slard4</i> (-164206), <i>Nrep</i> (+85556)	N/A
Chr18	33378372	33378519	Chr18.26461	<i>Slard4</i> (-164584), <i>Nrep</i> (+85188)	N/A
Chr18	33386687	33386870	Chr18.26465	<i>Slard4</i> (-172917), <i>Nrep</i> (+76855)	N/A
Chr18	33437228	33437329	Chr18.26474	<i>Slard4</i> (-223417), <i>Nrep</i> (+26355)	N/A
Chr18	33446755	33446870	Chr18.26495	<i>Slard4</i> (-232951), <i>Nrep</i> (+16821)	N/A
Chr18	33447534	33447717	Chr18.26496	<i>Slard4</i> (-233764), <i>Nrep</i> (+16008)	N/A
Chr18	33448091	33448214	Chr18.26501	<i>Slard4</i> (-234291), <i>Nrep</i> (+15481)	N/A
Chr18	33458521	33458698	Chr18.26529	<i>Slard4</i> (-244748), <i>Nrep</i> (+5024)	N/A
Chr18	33460221	33460482	Chr18.26536	<i>Gm10549</i> (-3821), <i>Nrep</i> (+3292)	N/A
Chr18	33461063	33461177	Chr18.26541	<i>Gm10549</i> (-3043), <i>Nrep</i> (+2514)	N/A
Chr18	33461214	33461317	Chr18.26542	<i>Gm10549</i> (-2897), <i>Nrep</i> (+23568)	N/A
Chr18	33461676	33461832	Chr18.26544	<i>Gm10549</i> (-2409), <i>Nrep</i> (+1880)	N/A
Chr18	33462000	33462143	Chr18.26548	<i>Gm10549</i> (-2091), <i>Nrep</i> (+1562)	N/A
Chr18	33462265	33462538	Chr18.26551	<i>Gm10549</i> (-1761), <i>Nrep</i> (+1232)	N/A
Chr18	33464116	33464238	Chr18.26558	<i>Nrep</i> (-843), <i>Gm10549</i> (-14)	N/A
Chr18	33471162	33471292	Chr18.26565	<i>Gm10549</i> (-7064), <i>Epb4114a</i> (+535979)	N/A
Chr18	33501401	33501578	Chr18.26572	<i>Gm10549</i> (-37327), <i>Epb4114a</i> (+505716)	N/A
Chr18	33510809	33510990	Chr18.26582	<i>Gm10549</i> (+46737), <i>Epb4114a</i> (+496306)	N/A
Chr18	6935433	6935654	Chr18.2661	<i>Mxx</i> (+69170), <i>Rab18</i> (+170339)	N/A
Chr18	33623517	33623720	Chr18.26630	<i>Gm10549</i> (+159456), <i>Epb4114a</i> (+383587)	N/A
Chr18	3606520	3606710	Chr18.267	<i>Lyz1</i> (-499217), <i>Bambi</i> (+158558)	N/A
Chr18	33794770	33794877	Chr18.26711	<i>Epb4114a</i> (+21382), <i>Gm10549</i> (+330661)	N/A
Chr18	33849486	33849629	Chr18.26755	<i>Epb4114a</i> (+157648), <i>Gm10549</i> (+385395)	N/A
Chr18	33932650	33932797	Chr18.26795	<i>Epb4114a</i> (+74482), <i>Gm10549</i> (+468561)	N/A
Chr18	34032557	34032710	Chr18.26829	<i>Apc</i> (-188350), <i>Epb4114a</i> (-25428)	N/A
Chr18	34043000	34043279	Chr18.26830	<i>Apc</i> (-177844), <i>Epb4114a</i> (-35934)	N/A
Chr18	34116752	34116926	Chr18.26834	<i>Epb4114a</i> (-109833), <i>Apc</i> (+104145)	N/A
Chr18	34136991	34137242	Chr18.26835	<i>Epb4114a</i> (-120911), <i>Apc</i> (-83867)	N/A
Chr18	34137294	34137542	Chr18.26839	<i>Epb4114a</i> (-130212), <i>Apc</i> (-83566)	N/A
Chr18	34152768	34152929	Chr18.26847	<i>Epb4114a</i> (-145643), <i>Apc</i> (-68135)	N/A
Chr18	34220892	34221081	Chr18.26897	<i>Apc</i> (+3)	N/A
Chr18	34247564	34247746	Chr18.26905	<i>Sp19</i> (-83490), <i>Apc</i> (+26671)	N/A
Chr18	34247898	34248142	Chr18.26911	<i>Sp19</i> (-83125), <i>Apc</i> (+27036)	N/A
Chr18	34248376	34248482	Chr18.26916	<i>Sp19</i> (-82716), <i>Apc</i> (+27445)	N/A
Chr18	6941662	6941823	Chr18.2694	<i>Mxx</i> (+62971), <i>Rab18</i> (+176538)	N/A
Chr18	3281682	3281899	Chr18.27	<i>Vmn1r238</i> (-158379), <i>Crem</i> (+55888)	N/A
Chr18	6946177	6946313	Chr18.2706	<i>Mxx</i> (+58469), <i>Rab18</i> (+181040)	N/A
Chr18	34441959	34442092	Chr18.27150	<i>Phd2b</i> (-32603), <i>Fam130</i> (+64797)	N/A
Chr18	3667381	3667583	Chr18.272	<i>Lyz1</i> (-498350), <i>Bambi</i> (+159525)	N/A

Chr18	6957824	6958060	Chr18.2721	<i>Mxx(+46772),Rab18(+192737)</i>	N/A
Chr18	34506490	34506612	Chr18.27214	<i>Fam13b(+272)</i>	N/A
Chr18	6958140	6958504	Chr18.2722	<i>Mxx(+46392),Rab18(+193117)</i>	N/A
Chr18	34542165	34542347	Chr18.27230	<i>Wnt8a(+57)</i>	N/A
Chr18	6960269	6960604	Chr18.2727	<i>Mxx(+44277),Rab18(+195232)</i>	N/A
Chr18	34561392	34561525	Chr18.27290	<i>Nme5(+17656),Wnt8a(+19146)</i>	N/A
Chr18	34599883	34600024	Chr18.27319	<i>4933408b17rk(-2486)</i>	N/A
Chr18	34624876	34624977	Chr18.27386	<i>Brd8(-326),Klf20a(-106)</i>	N/A
Chr18	34679746	34679886	Chr18.27498	<i>Cdc23(-28681),Gfra3(+40571)</i>	N/A
Chr18	34686833	34687038	Chr18.27505	<i>Cdc23(-35201),Gfra3(+33451)</i>	N/A
Chr18	34721597	34721961	Chr18.27540	<i>Gfra3(-1392)</i>	N/A
Chr18	34755991	34756112	Chr18.27593	<i>Cdc25c(-4519),Fam53c(-2854)</i>	N/A
Chr18	34758719	34758833	Chr18.27601	<i>Fam53c(-130)</i>	N/A
Chr18	34758963	34759106	Chr18.27604	<i>Fam53c(+129)</i>	N/A
Chr18	34759804	34759875	Chr18.27613	<i>Fam53c(+649)</i>	N/A
Chr18	34759704	34759834	Chr18.27615	<i>Fam53c(+863)</i>	N/A
Chr18	34759895	34760096	Chr18.27616	<i>Kdm3b(-17012),Fam53c(+1090)</i>	N/A
Chr18	34760299	34760795	Chr18.27623	<i>Kdm3b(-16461),Fam53c(+1641)</i>	N/A
Chr18	34762455	34762959	Chr18.27635	<i>Kdm3b(-14301),Fam53c(+3801)</i>	N/A
Chr18	34772807	34772960	Chr18.27667	<i>Kdm3b(-4124)</i>	N/A
Chr18	34776820	34776927	Chr18.27683	<i>Kdm3b(-134)</i>	N/A
Chr18	34777762	34777889	Chr18.27688	<i>Kdm3b(+818)</i>	N/A
Chr18	34778885	34779010	Chr18.27694	<i>Reep2(-61641),Kdm3b(+1940)</i>	N/A
Chr18	34837933	34838064	Chr18.27778	<i>Reep2(-2590)</i>	N/A
Chr18	34855278	34855521	Chr18.27820	<i>Egr1(-4423)</i>	N/A
Chr18	7046469	7046485	Chr18.2783	<i>Mxx(-63)</i>	N/A
Chr18	34860787	34860900	Chr18.27836	<i>Egr1(+1021),Etf1(+71163)</i>	N/A
Chr18	34861067	34861219	Chr18.27838	<i>Egr1(+1320),Etf1(+70864)</i>	N/A
Chr18	34884479	34884703	Chr18.27894	<i>Egr1(+24768),Etf1(+47416)</i>	N/A
Chr18	34885670	34885879	Chr18.27901	<i>Egr1(+25952),Etf1(+46232)</i>	N/A
Chr18	34885909	34886107	Chr18.27904	<i>Egr1(+26185),Etf1(+45999)</i>	N/A
Chr18	34901308	34901490	Chr18.27915	<i>Etf1(+30608),Egr1(+41576)</i>	N/A
Chr18	34903751	34903870	Chr18.27927	<i>Etf1(+28196),Egr1(+43988)</i>	N/A
Chr18	34904119	34904255	Chr18.27931	<i>Etf1(+27820),Egr1(+44364)</i>	N/A
Chr18	34931412	34931780	Chr18.27966	<i>Etf1(+411)</i>	N/A
Chr18	34931900	34932073	Chr18.27970	<i>Etf1(+20)</i>	N/A
Chr18	34932105	34932228	Chr18.27973	<i>Etf1(-160)</i>	N/A
Chr18	34954571	34954735	Chr18.28018	<i>Hspa9(-296)</i>	N/A
Chr18	34972908	34973215	Chr18.28054	<i>Ctnna1(-145826),Hspa9(-18705)</i>	N/A
Chr18	34978529	34978640	Chr18.28060	<i>Ctnna1(-140303),Hspa9(-24228)</i>	N/A
Chr18	34981155	34981305	Chr18.280614	<i>Ctnna1(-137658),Hspa9(-26873)</i>	N/A
Chr18	34989231	34989441	Chr18.28071	<i>Ctnna1(-129652),Hspa9(-34979)</i>	N/A
Chr18	7087512	7087641	Chr18.2810	<i>Mxx(-82863),Armc4(+210234)</i>	N/A
Chr18	35020434	35020648	Chr18.28108	<i>Ctnna1(-98347),Hspa9(-56184)</i>	N/A
Chr18	35027580	35027736	Chr18.28115	<i>Ctnna1(-91229),Hspa9(-73302)</i>	N/A
Chr18	35028696	35028838	Chr18.28117	<i>Ctnna1(-90121),Hspa9(-74410)</i>	N/A
Chr18	35042936	35043156	Chr18.28136	<i>Hspa9(-88689),Ctnna1(-75942)</i>	N/A
Chr18	35059985	35060106	Chr18.28145	<i>Hspa9(-105689),Ctnna1(-58942)</i>	N/A
Chr18	35079407	35079645	Chr18.28159	<i>Hspa9(-125169),Ctnna1(-39362)</i>	N/A
Chr18	35089623	35089732	Chr18.28174	<i>Hspa9(-135321),Ctnna1(-29210)</i>	N/A
Chr18	35192225	35192392	Chr18.28269	<i>Lrrtm2(+22715),Ctnna1(+73421)</i>	N/A
Chr18	35195995	35196120	Chr18.28275	<i>Lrrtm2(+18966),Ctnna1(+77170)</i>	N/A
Chr18	35214567	35215147	Chr18.28322	<i>Lrrtm2(-167)</i>	N/A
Chr18	35215177	35215433	Chr18.28326	<i>Lrrtm2(-281)</i>	N/A
Chr18	7094872	7095159	Chr18.2837	<i>Mxx(-90302),Armc4(+202885)</i>	N/A
Chr18	35265667	35265771	Chr18.28443	<i>Lrrtm2(-50695),Sif1(+233206)</i>	N/A
Chr18	35279551	35279800	Chr18.28479	<i>Lrrtm2(-64652),Sif1(+219249)</i>	N/A
Chr18	35280186	35280521	Chr18.28482	<i>Lrrtm2(-65330),Sif1(+218571)</i>	N/A
Chr18	35286140	35286415	Chr18.28496	<i>Lrrtm2(-71254),Sif1(+212647)</i>	N/A
Chr18	35292697	35293101	Chr18.28509	<i>Lrrtm2(-78025),Sif1(+205876)</i>	N/A
Chr18	35296381	35296536	Chr18.28510	<i>Lrrtm2(-81435),Sif1(+202466)</i>	N/A
Chr18	35297391	35297857	Chr18.28514	<i>Lrrtm2(-82600),Sif1(+201301)</i>	N/A
Chr18	35352944	35353050	Chr18.28583	<i>Lrrtm2(-137973),Sif1(+145928)</i>	N/A
Chr18	35358312	353584038	Chr18.28617	<i>Lrrtm2(-168907),Sif1(+115500)</i>	N/A
Chr18	35402161	35402659	Chr18.28645	<i>Lrrtm2(-187386),Sif1(+96519)</i>	N/A
Chr18	35417735	35417924	Chr18.28696	<i>Lrrtm2(-202806),Sif1(+81095)</i>	N/A
Chr18	35440229	35440384	Chr18.28721	<i>Lrrtm2(-225283),Sif1(+58618)</i>	N/A
Chr18	35418886	35442083	Chr18.28722	<i>Lrrtm2(-226961),Sif1(+56940)</i>	N/A
Chr18	35449799	35450216	Chr18.28742	<i>Lrrtm2(-234594),Sif1(+48917)</i>	N/A
Chr18	35455939	35456101	Chr18.28753	<i>Lrrtm2(-240996),Sif1(+42605)</i>	N/A
Chr18	35456780	35456893	Chr18.28758	<i>Lrrtm2(-241813),Sif1(+42688)</i>	N/A
Chr18	35459487	35460058	Chr18.28767	<i>Lrrtm2(-244749),Sif1(+39152)</i>	N/A
Chr18	35482298	35482456	Chr18.28809	<i>Lrrtm2(-267353),Sif1(+16548)</i>	N/A
Chr18	35482806	35482949	Chr18.28812	<i>Lrrtm2(-267854),Sif1(+16047)</i>	N/A
Chr18	35490089	35490189	Chr18.28821	<i>Lrrtm2(-275115),Sif1(+8786)</i>	N/A
Chr18	35524117	35525261	Chr18.28828	<i>Sif1(-3564)</i>	N/A
Chr18	35517574	35517735	Chr18.28844	<i>Gm5239(-18928),Sif1(-18730)</i>	N/A
Chr18	35529904	35530194	Chr18.28858	<i>Sif1(-31124),Gm5239(-6534)</i>	N/A
Chr18	35531187	35531404	Chr18.28862	<i>Sif1(-32371),Gm5239(-5287)</i>	N/A
Chr18	35554489	35554632	Chr18.28883	<i>Matr3(-7597),Gm5239(+17978)</i>	N/A
Chr18	35557032	35557225	Chr18.28885	<i>Matr3(-3029),Gm5239(+20546)</i>	N/A
Chr18	35562106	35562529	Chr18.28892	<i>Matr3(-160)</i>	N/A
Chr18	35563364	35563485	Chr18.28904	<i>Paip2(-35224),Matr3(+1267)</i>	N/A
Chr18	35598585	35598781	Chr18.28970	<i>Paip2(+34)</i>	N/A
Chr18	35598917	35599056	Chr18.28973	<i>Paip2(-338)</i>	N/A
Chr18	35627119	35627230	Chr18.29065	<i>Slc23a1(+69)</i>	N/A
Chr18	35671290	35671446	Chr18.29138	<i>Spata24(-9182),Dnajc18(-31776)</i>	N/A
Chr18	35671953	35672067	Chr18.29144	<i>Spata24(-9824),Dnajc18(-31334)</i>	N/A
Chr18	35675730	35675901	Chr18.29160	<i>Spata24(-13630),Dnajc18(+27328)</i>	N/A
Chr18	35676181	35676303	Chr18.29166	<i>Spata24(-14056),Dnajc18(+26902)</i>	N/A
Chr18	35703108	35703207	Chr18.29194	<i>Dnajc18(-14)</i>	N/A
Chr18	35719810	35719924	Chr18.29218	<i>Dnajc18(-16723),Eccoc(+1624)</i>	N/A
Chr18	35722299	35722503	Chr18.29227	<i>1700668b19rk(-4588),Eccoc(-910)</i>	N/A
Chr18	35810923	35811077	Chr18.29305	<i>Cxxc5(-18818),Ube2d2a(+39441)</i>	N/A
Chr18	35811943	35812080	Chr18.29310	<i>Cxxc5(-17806),Ube2d2a(+40453)</i>	N/A
Chr18	35814769	35814983	Chr18.29318	<i>Cxxc5(-14942),Ube2d2a(+43317)</i>	N/A
Chr18	35815605	35815731	Chr18.29324	<i>Cxxc5(-14150),Ube2d2a(+44109)</i>	N/A
Chr18	35816047	35816407	Chr18.29326	<i>Cxxc5(-13611),Ube2d2a(+44648)</i>	N/A
Chr18	35821551	35821744	Chr18.29337	<i>Cxxc5(-8170),Ube2d2a(+50089)</i>	N/A
Chr18	35823116	35823362	Chr18.29341	<i>Cxxc5(-6579),Ube2d2a(+51680)</i>	N/A
Chr18	35830832	35830949	Chr18.29353	<i>Pad2(-133939),Cxxc5(+1073)</i>	N/A
Chr18	35831250	35831403	Chr18.29356	<i>Pad2(-133503),Cxxc5(+1509)</i>	N/A
Chr18	35831812	35831982	Chr18.29361	<i>Pad2(-132933),Cxxc5(+2079)</i>	N/A
Chr18	35832526	35832671	Chr18.29366	<i>Pad2(-132231),Cxxc5(+2781)</i>	N/A
Chr18	35833311	35833442	Chr18.29369	<i>Pad2(-131453),Cxxc5(+3559)</i>	N/A
Chr18	35834325	35834467	Chr18.29371	<i>Pad2(-130434),Cxxc5(+4578)</i>	N/A
Chr18	35836978	35837082	Chr18.29379	<i>Pad2(-127800),Cxxc5(+7212)</i>	N/A
Chr18	35837128	35837425	Chr18.29382	<i>Pad2(-127593),Cxxc5(+7459)</i>	N/A
Chr18	35838610	35838710	Chr18.29388	<i>Pad2(-126770),Cxxc5(-8842)</i>	N/A
Chr18	35844963	35845254	Chr18.29410	<i>Pad2(-119721),Cxxc5(+15291)</i>	N/A
Chr18	35845542	35845667	Chr18.29413	<i>Pad2(-119225),Cxxc5(+15787)</i>	N/A
Chr18	35850823	35851132	Chr18.29428	<i>Pad2(-113852),Cxxc5(+21160)</i>	N/A
Chr18	35855557	35855883	Chr18.29434	<i>Pad2(-109110),Cxxc5(+25902)</i>	N/A
Chr18	35866434	35866599	Chr18.29439	<i>Pad2(-108318),Cxxc5(+26699)</i>	N/A
Chr18	35868388	35868576	Chr18.29446	<i>Pad2(-106348),Cxxc5(+2866)</i>	N/A
Chr18	35869575	35869764	Chr18.29466	<i>Pad2(-104160),Cxxc5(+30652)</i>	N/A
Chr18	35861571	35861709	Chr18.29470	<i>Pad2(-103190),Cxxc5(+31822)</i>	N/A
Chr18	35862539	35862639	Chr18.29473	<i>Pad2(-102241),Cxxc5(+32771)</i>	N/A
Chr18	35862767	35862913	Chr18.29474	<i>Pad2(-101990),Cxxc5(+33022)</i>	N/A
Chr18	35866437	35866559	Chr18.29488	<i>Pad2(-98332),Cxxc5(+36680)</i>	N/A
Chr18	35867926	35868033	Chr18.29490	<i>Pad2(-96850),Cxxc5(+38162)</i>	N/A
Chr18	35868227	35868350	Chr18.29493	<i>Pad2(-96541),Cxxc5(+38471)</i>	N/A
Chr18	35870946	35871067	Chr18.29500	<i>Pad2(-93823),Cxxc5(+41189)</i>	N/A
Chr18	35873436	35873608	Chr18.29503	<i>Pad2(-91308),Cxxc5(+43704)</i>	N/A
Chr18	35874073	35874249	Chr18.29504	<i>Pad2(-90669),Cxxc5(+44343)</i>	N/A
Chr18	35875020	35875319	Chr18.29512	<i>Pad2(-89660),Cxxc5(+43352)</i>	N/A
Chr18	35878992	35879191	Chr18.29516	<i>Pad2(-85739),Cxxc5(+49274)</i>	N/A
Chr18	35887681	35887962	Chr18.29524	<i>Pad2(-77008),Cxxc5(+58004)</i>	N/A
Chr18	35888129	35888374	Chr18.29527	<i>Pad2(-76578),Cxxc5(+58434)</i>	N/A
Chr18	35889259	35889619	Chr18.29534	<i>Pad2(-75391),Cxxc5(+59621)</i>	N/A
Chr18	35889691	35889849	Chr18.29537	<i>Pad2(-75060),Cxxc5(+59952)</i>	N/A
Chr18	35890444	35890545	Chr18.29539	<i>Pad2(-74835),Cxxc5(+60171)</i>	N/A
Chr18	35890350	35890518	Chr18.29541	<i>Pad2(-74396),Cxxc5(+60816)</i>	N/A
Chr18	35894918	35895088	Chr18.29542	<i>Pad2(-69827),Cxxc5(+61585)</i>	N/A
Chr18	35898724	35898917	Chr18.29550	<i>Pad2(-66009),Cxxc5(+69003)</i>	N/A
Chr18	35913108	35913438	Chr18.29558	<i>Pad2(-51557),Cxxc5(+63455)</i>	N/A
Chr18	35913674	35913857	Chr18.29562	<i>Pad2(-91064),Cxxc5(+63849)</i>	N/A
Chr18	35917324	35917487	Chr18.29566	<i>Pad2(-47424),Cxxc5(+67588)</i>	N/A

Chr18	35918716	35918853	Chr18.29572	Pad2(-46045), Cxhc5(+88967)	N/A
Chr18	35919085	35919195	Chr18.29575	Pad2(-45690), Cxhc5(+89322)	N/A
Chr18	35919742	35919892	Chr18.29578	Pad2(-45013), Cxhc5(+89999)	N/A
Chr18	35920048	35920481	Chr18.29579	Pad2(-44565), Cxhc5(+90477)	N/A
Chr18	35923039	35923191	Chr18.29585	Pad2(-41715), Cxhc5(+93297)	N/A
Chr18	35927247	35927381	Chr18.29588	Pad2(-37516), Cxhc5(+97496)	N/A
Chr18	35930422	35930710	Chr18.29596	Pad2(-34264), Cxhc5(+100748)	N/A
Chr18	35933533	35933855	Chr18.29606	Pad2(-31138), Cxhc5(+103876)	N/A
Chr18	35936937	35937126	Chr18.29609	Pad2(-27798), Cxhc5(+107214)	N/A
Chr18	35938609	35938857	Chr18.29614	Pad2(-26087), Cxhc5(+108918)	N/A
Chr18	35941982	35942124	Chr18.29620	Pad2(-22777), Cxhc5(+112235)	N/A
Chr18	35959919	35960052	Chr18.29623	Pad2(-4844)	N/A
Chr18	36017552	36017652	Chr18.29724	Pad2(+52772), Ng2(+179778)	N/A
Chr18	36027641	36027742	Chr18.29753	Pad2(+62862), Ng2(+169688)	N/A
Chr18	36035249	36035371	Chr18.29776	Pad2(+70480), Ng2(+162070)	N/A
Chr18	36039429	36039558	Chr18.29789	Pad2(+74664), Ng2(+157886)	N/A
Chr18	36059083	36059244	Chr18.29819	Pad2(+94334), Ng2(+138216)	N/A
Chr18	36068398	36068665	Chr18.29833	Pad2(+103702), Ng2(+128848)	N/A
Chr18	36069416	36069609	Chr18.29839	Pad2(+104683), Ng2(+127867)	N/A
Chr18	36071820	36072142	Chr18.29842	Pad2(+107201), Ng2(+125349)	N/A
Chr18	36073990	36074157	Chr18.29845	Pad2(+109244), Ng2(+123308)	N/A
Chr18	36106930	36107041	Chr18.29872	Ng2(+90394), Pad2(+142156)	N/A
Chr18	36114883	36115164	Chr18.29889	Ng2(+82356), Pad2(+150194)	N/A
Chr18	36118000	36118237	Chr18.29896	Ng2(+79261), Pad2(+153289)	N/A
Chr18	36195973	36196087	Chr18.29998	Ng2(+1350), Pad2(+231200)	N/A
Chr18	36197137	36197315	Chr18.30006	Ng2(+154)	N/A
Chr18	36197349	36197589	Chr18.30009	Ng2(-89)	N/A
Chr18	36242185	36242822	Chr18.30023	Ng2(-45124), Pura(-38593)	N/A
Chr18	36280418	36280579	Chr18.30055	Pura(-598)	N/A
Chr18	36281024	36281129	Chr18.30062	Pura(-20)	N/A
Chr18	36282053	36282238	Chr18.30072	Cystm1(-66628), Pura(+1049)	N/A
Chr18	36285857	36286324	Chr18.30114	Cystm1(-62683), Pura(+4994)	N/A
Chr18	36286420	36286668	Chr18.30118	Cystm1(-62230), Pura(+5447)	N/A
Chr18	36328804	36328971	Chr18.30224	Cystm1(-19886), Pura(+47791)	N/A
Chr18	36356421	36356662	Chr18.30257	Cystm1(+7788), Pldn1(+97953)	N/A
Chr18	36356701	36356839	Chr18.30261	Cystm1(+7996), Pldn1(+97725)	N/A
Chr18	36402083	36402263	Chr18.30300	Pldn1(+512947), Cystm1(+5371)	N/A
Chr18	36416559	36416726	Chr18.30336	Pldn1(+37852), Cystm1(+67869)	N/A
Chr18	36421107	36421564	Chr18.30340	Pldn1(+33159), Cystm1(+72562)	N/A
Chr18	36442100	36442296	Chr18.30360	Pldn1(+12297), Cystm1(+93424)	N/A
Chr18	36445951	36446241	Chr18.30381	Pldn1(+8399), Cystm1(+97322)	N/A
Chr18	36446862	36446918	Chr18.30388	Pldn1(+7695), Cystm1(+98026)	N/A
Chr18	36452717	36450248	Chr18.30419	Pldn1(-38328), Hbegf(+22972)	N/A
Chr18	36493263	36493457	Chr18.30423	Pldn1(-38865), Hbegf(+22445)	N/A
Chr18	36506145	36506248	Chr18.30440	Pldn1(-51702), Hbegf(+9608)	N/A
Chr18	36508073	36508226	Chr18.30457	Pldn1(-53655), Hbegf(+7655)	N/A
Chr18	36510127	36510237	Chr18.30486	Pldn1(-55687), Hbegf(+5623)	N/A
Chr18	36513950	36514056	Chr18.30485	Pldn1(-59568), Hbegf(+1802)	N/A
Chr18	36517307	36517443	Chr18.30504	Hbegf(-1570)	N/A
Chr18	36552177	36552354	Chr18.30625	Ankhd1(-8345), Slc4a9(+24109)	N/A
Chr18	36559870	36560044	Chr18.30632	Ankhd1(-654)	N/A
Chr18	36562153	36562273	Chr18.30659	Elf4ebp3(-101847), Ankhd1(+1602)	N/A
Chr18	36609994	36610132	Chr18.30816	Sra1(+1133), Elf4ebp3(+6003)	N/A
Chr18	36671114	36671134	Chr18.30822	Sra1(-28)	N/A
Chr18	36676610	36676797	Chr18.30839	Slc35a4(-2888), Apbb3(+2662)	N/A
Chr18	36793860	36793974	Chr18.31203	Zmat2(-6)	N/A
Chr18	7502386	7502714	Chr18.3146	Ammc4(-204649), Mpp7(+124313)	N/A
Chr18	7512262	7512896	Chr18.3156	Ammc4(-214678), Mpp7(+114284)	N/A
Chr18	7513759	7514059	Chr18.3167	Ammc4(-216080), Mpp7(+112954)	N/A
Chr18	7534902	7535081	Chr18.3181	Ammc4(-237091), Mpp7(+91871)	N/A
Chr18	8231630	8231756	Chr18.3284	Gm5819(-462384), Wac(+362496)	N/A
Chr18	37159873	37160026	Chr18.32989	Pcdh1b1(-105048), Pcdha1(+15981)	N/A
Chr18	8295238	8295406	Chr18.3299	Gm5819(-398755), Wac(+426125)	N/A
Chr18	37172274	37172413	Chr18.33005	Pcdh1b1(-92654), Pcdha1(+28375)	N/A
Chr18	37176964	37176984	Chr18.33009	Pcdh1b1(-88084), Pcdha1(+32945)	N/A
Chr18	37178505	37178618	Chr18.33013	Pcdh1b1(-86436), Pcdha1(+34593)	N/A
Chr18	37185231	37185735	Chr18.33020	Pcdh1b1(-79515), Pcdha1(+41514)	N/A
Chr18	8327885	8328118	Chr18.3306	Gm5819(-366075), Wac(+458805)	N/A
Chr18	8448540	8448683	Chr18.3341	Gm5819(-245465), Wac(+579415)	N/A
Chr18	8453403	8453526	Chr18.3346	Gm5819(-240613), Wac(+584267)	N/A
Chr18	8487119	8487349	Chr18.3354	Gm5819(-206843), Wac(+18237)	N/A
Chr18	8644635	8644738	Chr18.3387	Gm5819(-49390), Wac(+775490)	N/A
Chr18	8668845	8669200	Chr18.3416	Gm5819(-25054), Wac(+799826)	N/A
Chr18	8740147	8740421	Chr18.3438	Fzd8(-472572), Gm5819(+46207)	N/A
Chr18	8769033	8769192	Chr18.3473	Fzd8(-443743), Gm5819(+75036)	N/A
Chr18	8870453	8870669	Chr18.3526	Fzd8(-342295), Gm5819(+176494)	N/A
Chr18	8870783	8871080	Chr18.3529	Fzd8(-341924), Gm5819(+176855)	N/A
Chr18	8871463	8872093	Chr18.3533	Fzd8(-341078), Gm5819(+177701)	N/A
Chr18	8896931	8897065	Chr18.3559	Fzd8(-315858), Gm5819(+202921)	N/A
Chr18	3839861	3840079	Chr18.357	Lyz1(-325862), Bambi(+332013)	N/A
Chr18	8931193	8931405	Chr18.3586	Fzd8(-281557), Gm5819(+237222)	N/A
Chr18	8933450	8933715	Chr18.3599	Fzd8(-278273), Gm5819(+298566)	N/A
Chr18	8966068	8966873	Chr18.3623	Fzd8(-246115), Gm5819(+272664)	N/A
Chr18	3840666	3840847	Chr18.363	Lyz1(-325075), Bambi(+332800)	N/A
Chr18	8983737	8983896	Chr18.3636	Fzd8(-229039), Gm5819(+289740)	N/A
Chr18	9100873	9100996	Chr18.3688	Fzd8(-119220), Gm5819(+406859)	N/A
Chr18	9101074	9101215	Chr18.3690	Fzd8(-117711), Gm5819(+407068)	N/A
Chr18	9210993	9211164	Chr18.3756	Fzd8(-1777)	N/A
Chr18	37761945	37762049	Chr18.37723	Pcdhga11(-57549), 3222401113rk(+106090)	N/A
Chr18	37762079	37762444	Chr18.37732	Pcdhga11(-57284), 3222401113rk(+106355)	N/A
Chr18	9215041	9215170	Chr18.3777	Fzd8(+2250), Gjd4(+67703)	N/A
Chr18	37814458	37814685	Chr18.38090	Pcdhga11(-4974)	N/A
Chr18	37814720	37814900	Chr18.38094	Pcdhga11(-4736)	N/A
Chr18	37814957	37815095	Chr18.38096	Pcdhga11(-4520)	N/A
Chr18	37819114	37819411	Chr18.38199	Pcdhga11(-283)	N/A
Chr18	37824361	37824512	Chr18.38325	Pcdhga11(+4891), Diaph1(+111039)	N/A
Chr18	37840865	37840930	Chr18.38353	Pcdhga11(+21252), Diaph1(+94678)	N/A
Chr18	37841407	37841508	Chr18.38361	Pcdhga11(+21912), Diaph1(+94901)	N/A
Chr18	37841556	37841874	Chr18.38362	Pcdhga11(+22169), Diaph1(+93761)	N/A
Chr18	37842754	37842954	Chr18.38366	Pcdhga11(+23308), Diaph1(+92622)	N/A
Chr18	37844857	37844981	Chr18.38375	Pcdhga11(+25373), Diaph1(+90557)	N/A
Chr18	37845082	37845232	Chr18.38379	Pcdhga11(+25611), Diaph1(+90319)	N/A
Chr18	37849021	37849149	Chr18.38391	Pcdhga11(+29539), Diaph1(+86391)	N/A
Chr18	37849607	37849635	Chr18.38394	Pcdhga11(+30225), Diaph1(+85705)	N/A
Chr18	37852130	37852315	Chr18.38406	Pcdhga11(+32677), Diaph1(+83253)	N/A
Chr18	37877438	37877537	Chr18.38435	Pcdhga11(+57942), Diaph1(+57988)	N/A
Chr18	37877859	37877977	Chr18.38439	Diaph1(+57558), Pcdhga11(+58372)	N/A
Chr18	37880161	37880293	Chr18.38444	Diaph1(+55249), Pcdhga11(+60681)	N/A
Chr18	37880329	37880443	Chr18.38447	Diaph1(+55039), Pcdhga11(+60694)	N/A
Chr18	37924375	37924507	Chr18.38508	Diaph1(+11035), Pcdhga11(+104895)	N/A
Chr18	37932928	37933040	Chr18.38525	Diaph1(+2492), Pcdhga11(+113438)	N/A
Chr18	37935430	37935642	Chr18.38541	Diaph1(-60)	N/A
Chr18	37969910	37970080	Chr18.38659	Fchsdl(-211)	N/A
Chr18	37970101	37970205	Chr18.38664	Fchsdl(-379)	N/A
Chr18	37979580	37979682	Chr18.38770	Arap3(-57)	N/A
Chr18	38015035	38015142	Chr18.38783	Arap3(-17515), Pcdh1(+194673)	N/A
Chr18	38016195	38016383	Chr18.38785	Arap3(-18715), Pcdh1(+193473)	N/A
Chr18	38022157	38022260	Chr18.38801	Arap3(-24635), Pcdh1(+187553)	N/A
Chr18	38025247	38025376	Chr18.38816	Arap3(-27738), Pcdh1(+184450)	N/A
Chr18	38025969	38026090	Chr18.38819	Arap3(-28159), Pcdh1(+183732)	N/A
Chr18	38050059	38050322	Chr18.38861	Arap3(-62617), Pcdh1(+189571)	N/A
Chr18	38083406	38083507	Chr18.38904	Arap3(-85883), Pcdh1(+126305)	N/A
Chr18	38088937	38089109	Chr18.38916	Arap3(-91449), Pcdh1(+120739)	N/A
Chr18	38091027	38091305	Chr18.38931	Arap3(-93592), Pcdh1(+118596)	N/A
Chr18	38094622	38094769	Chr18.38938	Arap3(-97120), Pcdh1(+115068)	N/A
Chr18	38096309	38096549	Chr18.38939	Arap3(-98855), Pcdh1(+115333)	N/A
Chr18	38104182	38104363	Chr18.38948	Arap3(-106699), Pcdh1(+105489)	N/A
Chr18	38119559	38119704	Chr18.38965	Arap3(-122058), Pcdh1(+90130)	N/A
Chr18	38134561	38134664	Chr18.38983	Arap3(-137039), Pcdh1(+75149)	N/A
Chr18	38134836	38134989	Chr18.38985	Arap3(-137339), Pcdh1(+74849)	N/A
Chr18	38144663	38145232	Chr18.38997	Arap3(-147524), Pcdh1(+84664)	N/A
Chr18	38147048	38147206	Chr18.39003	Arap3(-149533), Pcdh1(+82635)	N/A
Chr18	38153635	38153757	Chr18.39009	Arap3(-156122), Pcdh1(+56066)	N/A
Chr18	38153942	38154303	Chr18.39014	Arap3(-156549), Pcdh1(+55639)	N/A
Chr18	38154590	38154706	Chr18.39018	Arap3(-157074), Pcdh1(+55114)	N/A
Chr18	38158242	38158353	Chr18.39025	Arap3(-160724), Pcdh1(+57464)	N/A
Chr18	38172130	38172230	Chr18.39040	Arap3(-174606), Pcdh1(+57582)	N/A
Chr18	38172466	38172686	Chr18.39042	Arap3(-174992), Pcdh1(+37196)	N/A

Chr18	38174259	38174458	Chr18.39047	Arap3(-176785),Pcdh1(+35403)	N/A
Chr18	38175178	38175306	Chr18.39052	Arap3(-177668),Pcdh1(+34520)	N/A
Chr18	38182757	38182898	Chr18.39059	Arap3(-185254),Pcdh1(+26934)	N/A
Chr18	38186378	38186892	Chr18.39076	Arap3(-189051),Pcdh1(+23127)	N/A
Chr18	38187524	38187680	Chr18.39090	Arap3(-190028),Pcdh1(+22160)	N/A
Chr18	38187902	38188326	Chr18.39095	Arap3(-190540),Pcdh1(+21648)	N/A
Chr18	38188415	38188551	Chr18.39099	Arap3(-190909),Pcdh1(+21279)	N/A
Chr18	38188839	38188941	Chr18.39100	Arap3(-191316),Pcdh1(+20872)	N/A
Chr18	38189555	38188696	Chr18.39104	Arap3(-192552),Pcdh1(+20136)	N/A
Chr18	38189731	38189945	Chr18.39105	Arap3(-192844),Pcdh1(+19934)	N/A
Chr18	38190579	38190936	Chr18.39107	Arap3(-193184),Pcdh1(+19004)	N/A
Chr18	38190990	38191136	Chr18.39113	Arap3(-193489),Pcdh1(+18699)	N/A
Chr18	38200193	38200395	Chr18.39227	Arap3(-202720),Pcdh1(+9468)	N/A
Chr18	38201782	38201979	Chr18.39231	Arap3(-204307),Pcdh1(+7881)	N/A
Chr18	38204635	38204739	Chr18.39270	Arap3(-207113),Pcdh1(+5075)	N/A
Chr18	38211198	38211312	Chr18.39292	Pcdh1(-1458)	N/A
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Chr18	38216266	38216406	Chr18.39312	Dele1(-33913),Pcdh1(-6574)	N/A
Chr18	38216762	38217052	Chr18.39313	Dele1(-33342),Pcdh1(-7145)	N/A
Chr18	38238967	38239270	Chr18.39330	Pcdh1(-29357),Dele1(-11130)	N/A
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Chr18	38252960	38253097	Chr18.39352	Dele1(+2780),Pcdh12(+31372)	N/A
Chr18	38256180	38256430	Chr18.39360	Dele1(+6056),Pcdh12(+28096)	N/A
Chr18	38264559	38264667	Chr18.39395	Dele1(+14364),Pcdh12(+19788)	N/A
Chr18	38264559	38264667	Chr18.39395	Colec12(+538)	N/A
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Chr18	38316636	38316774	Chr18.39590	Rnf14(+19900),Gnpda1(+22298)	N/A
Chr18	38415874	38416150	Chr18.39660	Ndfip1(-2963)	N/A
Chr18	38483351	38483669	Chr18.39723	Ndfip1(+64535),Spry4(+117758)	N/A
Chr18	38494614	38494940	Chr18.39735	Ndfip1(+75802),Spry4(+106491)	N/A
Chr18	38523919	38524277	Chr18.39750	Spry4(+777172),Ndfip1(+105121)	N/A
Chr18	38531713	38531867	Chr18.39758	Spry4(+69468),Ndfip1(+112825)	N/A
Chr18	38542585	38542698	Chr18.39762	Spry4(+58626),Ndfip1(+123667)	N/A
Chr18	38544131	38544278	Chr18.39777	Thoc1(-215479),Gm17430(-16031)	N/A
Chr18	38544460	38544406	Chr18.39770	Spry4(+56999),Ndfip1(+125294)	N/A
Chr18	38544609	38544698	Chr18.39774	Spry4(+56689),Ndfip1(+125604)	N/A
Chr18	38545178	38545178	Chr18.39777	Spry4(+56552),Ndfip1(+126041)	N/A
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Chr18	38578311	38578694	Chr18.39805	Spry4(+22765),Ndfip1(+159528)	N/A
Chr18	38584136	38584503	Chr18.39808	Spry4(+16948),Ndfip1(+165345)	N/A
Chr18	38584136	38584747	Chr18.39811	Thoc1(-214779),Gm17430(-16731)	N/A
Chr18	38588700	38588871	Chr18.39829	Spry4(+12482),Ndfip1(+168811)	N/A
Chr18	38592337	38592361	Chr18.39833	Thoc1(-214620),Gm17430(-16890)	N/A
Chr18	38592237	38592664	Chr18.39868	Spry4(+8817),Ndfip1(+173476)	N/A
Chr18	38594025	38594174	Chr18.39888	Thoc1(-214080),Gm17430(-17430)	N/A
Chr18	38596283	38596450	Chr18.39880	Spry4(+4901),Ndfip1(+177392)	N/A
Chr18	38597168	38597448	Chr18.39884	9630014m24nk(-4226),Spry4(+3960)	N/A
Chr18	38599475	38599593	Chr18.39889	9630014m24nk(2000),Spry4(+1734)	N/A
Chr18	38600009	38600158	Chr18.39893	9630014m24nk(-1450),Spry4(+1184)	N/A
Chr18	38600229	38600367	Chr18.39894	9630014m24nk(-1236),Spry4(+970)	N/A
Chr18	38600486	38600586	Chr18.39895	9630014m24nk(-998),Spry4(+732)	N/A
Chr18	38600861	38601113	Chr18.39900	9630014m24nk(-547),Spry4(+281)	N/A
Chr18	38601251	38601452	Chr18.39903	9630014m24nk(-182),Spry4(-84)	N/A
Chr18	38602369	38602487	Chr18.39915	Spry4(-1160),9630014m24nk(+894)	N/A
Chr18	38634886	38635030	Chr18.39943	9630014m24nk(+33424),Fgf1(+283813)	N/A
Chr18	38638650	38637028	Chr18.39947	9630014m24nk(+35405),Fgf1(+281832)	N/A
Chr18	38643895	38643996	Chr18.39954	9630014m24nk(+42412),Fgf1(+274825)	N/A
Chr18	38654557	38654714	Chr18.39958	9630014m24nk(+53102),Fgf1(+264135)	N/A
Chr18	38655136	38655324	Chr18.39967	9630014m24nk(+53966),Fgf1(+265541)	N/A
Chr18	38665781	38666001	Chr18.39966	9630014m24nk(+64357),Fgf1(+252880)	N/A
Chr18	38666193	38666300	Chr18.39972	9630014m24nk(+64713),Fgf1(+252524)	N/A
Chr18	38684443	38684805	Chr18.39983	9630014m24nk(+83090),Fgf1(+234147)	N/A
Chr18	38690674	38690883	Chr18.39990	9630014m24nk(+89245),Fgf1(+277992)	N/A
Chr18	38709683	38701212	Chr18.40002	9630014m24nk(+98564),Fgf1(+217613)	N/A
Chr18	38718642	38718781	Chr18.40010	9630014m24nk(+117178),Fgf1(+200059)	N/A
Chr18	38742501	38742891	Chr18.40036	9630014m24nk(+141162),Fgf1(+176075)	N/A
Chr18	38749061	38749162	Chr18.40038	9630014m24nk(+147578),Fgf1(+169659)	N/A
Chr18	38752018	38752146	Chr18.40054	9630014m24nk(+150548),Fgf1(+166899)	N/A
Chr18	38754706	38755082	Chr18.40058	9630014m24nk(+153300),Fgf1(+163877)	N/A
Chr18	38765114	38765777	Chr18.40073	Fgf1(+153125),9630014m24nk(+164112)	N/A
Chr18	38766066	38766333	Chr18.40079	Fgf1(+152561),9630014m24nk(+164676)	N/A
Chr18	38768368	38768557	Chr18.40086	Fgf1(+150308),9630014m24nk(-166929)	N/A
Chr18	38788769	38788998	Chr18.40102	Fgf1(+129887),9630014m24nk(+187350)	N/A
Chr18	38794216	38794674	Chr18.40104	Fgf1(+124326),9630014m24nk(+192911)	N/A
Chr18	38796364	38796384	Chr18.40113	Fgf1(+122571),9630014m24nk(+194660)	N/A
Chr18	38804469	38804646	Chr18.40129	Fgf1(+114213),9630014m24nk(+203024)	N/A
Chr18	38811230	38811356	Chr18.40134	Fgf1(+107478),9630014m24nk(+209759)	N/A
Chr18	38812468	38812572	Chr18.40140	Fgf1(+106251),9630014m24nk(+210986)	N/A
Chr18	38819597	38819732	Chr18.40155	Fgf1(+99106),9630014m24nk(+218131)	N/A
Chr18	38826941	38827152	Chr18.40162	Fgf1(+91724),9630014m24nk(+225513)	N/A
Chr18	38849848	38847315	Chr18.40202	Fgf1(+71689),9630014m24nk(+245548)	N/A
Chr18	38853063	38853213	Chr18.40215	Fgf1(+65633),9630014m24nk(+251604)	N/A
Chr18	38876278	38876812	Chr18.4024	Thoc1(-189735),Gm17430(-41775)	N/A
Chr18	38871634	38871788	Chr18.40245	Fgf1(+47060),9630014m24nk(+270177)	N/A
Chr18	38906385	38906546	Chr18.40295	Fgf1(+12305),9630014m24nk(+304932)	N/A
Chr18	38907415	38907612	Chr18.40298	Fgf1(+11257),9630014m24nk(+305980)	N/A
Chr18	38918668	38918786	Chr18.40314	Fgf1(+44)	N/A
Chr18	38919005	38919125	Chr18.40316	Fgf1(-294)	N/A
Chr18	38923129	38923259	Chr18.40326	Fgf1(-4423)	N/A
Chr18	38944167	38944290	Chr18.40342	Ahrgap26(-48916),Fgf1(-25458)	N/A
Chr18	38973546	38973692	Chr18.40353	Fgf1(-54849),Ahrgap26(-19526)	N/A
Chr18	38993372	38993172	Chr18.40363	Ahrgap26(-23)	N/A
Chr18	39004585	39004710	Chr18.40376	Ahrgap26(+11503),Nr3c1(+486026)	N/A
Chr18	39010145	39010351	Chr18.40389	Ahrgap26(+17103),Nr3c1(+480426)	N/A
Chr18	39033793	39034007	Chr18.40434	Ahrgap26(+40755),Nr3c1(+456774)	N/A
Chr18	39068150	39068287	Chr18.40498	Ahrgap26(+75074),Nr3c1(+422455)	N/A
Chr18	39094669	39094673	Chr18.40522	Ahrgap26(+103426),Nr3c1(+394103)	N/A
Chr18	39292015	39293066	Chr18.40558	Thoc1(-165189),Gm17430(-66321)	N/A
Chr18	39793099	39793446	Chr18.4058	Thoc1(-164907),Gm17430(-66603)	N/A
Chr18	39137942	39138149	Chr18.40584	Ahrgap26(+144901),Nr3c1(+352628)	N/A
Chr18	39187843	39187999	Chr18.40623	Ahrgap26(+194778),Nr3c1(+302753)	N/A
Chr18	39196632	39196919	Chr18.40631	Ahrgap26(+203631),Nr3c1(+293898)	N/A
Chr18	39215175	39215438	Chr18.40657	Ahrgap26(+222161),Nr3c1(+275368)	N/A
Chr18	39241139	39241330	Chr18.40693	Ahrgap26(+248090),Nr3c1(+249439)	N/A
Chr18	39249103	39249317	Chr18.40725	Nr3c1(+241464),Ahrgap26(+256065)	N/A
Chr18	39819882	39820191	Chr18.4081	Thoc1(-138143),Gm17430(-93367)	N/A
Chr18	39301352	39301460	Chr18.40824	Nr3c1(+189268),Ahrgap26(+308261)	N/A
Chr18	39302719	39302902	Chr18.40831	Nr3c1(+187863),Ahrgap26(+209666)	N/A
Chr18	39279598	39280051	Chr18.40892	Thoc1(-130185),Gm17430(-101325)	N/A
Chr18	39354060	39354233	Chr18.40929	Nr3c1(+136527),Ahrgap26(+361002)	N/A
Chr18	39360015	39360149	Chr18.40949	Nr3c1(+130592),Ahrgap26(+366937)	N/A
Chr18	39369629	39369741	Chr18.40966	Nr3c1(+120989),Ahrgap26(+376540)	N/A
Chr18	39352985	39352724	Chr18.4097	Thoc1(-125525),Gm17430(-105985)	N/A
Chr18	39488606	39488606	Chr18.41128	Nr3c1(+2121),Ahrgap26(+495498)	N/A
Chr18	39534892	39535007	Chr18.4118	Thoc1(-123080),Gm17430(-108430)	N/A
Chr18	39599093	39101334	Chr18.412	Lyzt1(-255813),Bambi(+402062)	N/A
Chr18	39595513	39595630	Chr18.41252	Palpc2(-177925),Nr3c1(-104898)	N/A
Chr18	39636414	39636621	Chr18.41291	Nr3c1(-145844),Palpc2(-136979)	N/A
Chr18	39666251	39666442	Chr18.41308	Nr3c1(-175673),Palpc2(-107150)	N/A
Chr18	39781223	39781389	Chr18.41440	Palpc2(-78909),Yip5(+438093)	N/A
Chr18	39781819	39781930	Chr18.41444	Palpc2(+8378),Yip5(+437524)	N/A
Chr18	39855967	39856080	Chr18.41501	Palpc2(+82527),Yip5(+363375)	N/A
Chr18	39906394	39906525	Chr18.41535	Palpc2(+132963),Yip5(+312939)	N/A
Chr18	39908842	39908828	Chr18.41540	Palpc2(+133238),Yip5(+310664)	N/A
Chr18	40003946	40003950	Chr18.41594	Yip5(+210011),Palpc2(-235901)	N/A
Chr18	40110835	40110994	Chr18.41667	Yip5(+108484),Palpc2(-337418)	N/A
Chr18	40111529	40111687	Chr18.41668	Yip5(+107791),Palpc2(+338111)	N/A
Chr18	40643974	40644376	Chr18.42237	Kctd16(+385814)	N/A
Chr18	41270868	41271026	Chr18.42576	Preld2(+680247)	N/A
Chr18	41831196	41831351	Chr18.43045	Preld2(+119920)	N/A
Chr18	41861453	41861601	Chr18.43059	Preld2(+89667)	N/A
Chr18	41946231	41946477	Chr18.43157	Preld2(+4840)	N/A
Chr18	42036774	42036917	Chr18.43252	Gxcr2(-37797),Sh3f2(-16821)	N/A
Chr18	42056725	42056846	Chr18.43291	Cstdc7(-116584),Sh3f2(-3119)	N/A
Chr18	42274901	42275454	Chr18.43606	Rbm27(-175)	N/A
Chr18	42281462	42281583	Chr18.43620	Pou4f3(-113016),Rbm27(+6170)	N/A
Chr18	42386172	42386387	Chr18.43759	Pou4f3(-8259),Rbm27(+110927)	N/A

Chr18	42394415	42394586	Chr18.43772	Pou4f3(-38)	N/A
Chr18	42402021	42402353	Chr18.43811	Tcerg1(-109323),Pou4f3(+7648)	N/A
Chr18	42450454	42450676	Chr18.43854	Tcerg1(-60945),Pou4f3(+56026)	N/A
Chr18	42454192	42454474	Chr18.43864	Tcerg1(-57177),Pou4f3(+59794)	N/A
Chr18	10181744	10181861	Chr18.43909	Rock1(-11)	N/A
Chr18	10187673	10187821	Chr18.4414	Greb1(-137432),Rock1(-5955)	N/A
Chr18	42685744	42685848	Chr18.44142	Gpr151(-106144),Ppp2r2b(+373675)	N/A
Chr18	42753186	42753306	Chr18.44288	Gpr151(-173594),Ppp2r2b(+306225)	N/A
Chr18	42759070	42759198	Chr18.44298	Gpr151(-179482),Ppp2r2b(+300337)	N/A
Chr18	42759445	42759601	Chr18.44303	Gpr151(-179871),Ppp2r2b(+309948)	N/A
Chr18	10299521	10299719	Chr18.4432	Rock1(-117828),Greb1(-25559)	N/A
Chr18	42780402	42780757	Chr18.44350	Gpr151(-200928),Ppp2r2b(+278891)	N/A
Chr18	42781749	42781908	Chr18.44357	Gpr151(-202177),Ppp2r2b(+277642)	N/A
Chr18	42796509	42796717	Chr18.44379	Gpr151(-216936),Ppp2r2b(+262858)	N/A
Chr18	42821419	42821619	Chr18.44428	Gpr151(-241867),Ppp2r2b(+237952)	N/A
Chr18	10328940	10329095	Chr18.4443	Greb1(+3789),Escot(+281384)	N/A
Chr18	42833031	42833186	Chr18.44443	Gpr151(-253457),Ppp2r2b(+226362)	N/A
Chr18	42841185	42841307	Chr18.44464	Gpr151(-261594),Ppp2r2b(+218225)	N/A
Chr18	42868365	42868520	Chr18.44511	Gpr151(-288791),Ppp2r2b(+191028)	N/A
Chr18	42897959	42898305	Chr18.44556	Gpr151(-318480),Ppp2r2b(+161339)	N/A
Chr18	10342214	10342425	Chr18.4456	Greb1(+17141),Escot(+268032)	N/A
Chr18	42898451	42898562	Chr18.44560	Gpr151(-318855),Ppp2r2b(+160964)	N/A
Chr18	42898733	42898902	Chr18.44565	Gpr151(-319166),Ppp2r2b(+160653)	N/A
Chr18	42899302	42899456	Chr18.44567	Gpr151(-319727),Ppp2r2b(+160092)	N/A
Chr18	42899517	42899686	Chr18.44571	Gpr151(-319950),Ppp2r2b(+159889)	N/A
Chr18	10343310	10343421	Chr18.4459	Greb1(+18187),Escot(+269895)	N/A
Chr18	10343780	10344192	Chr18.4463	Greb1(-18797),Escot(+266376)	N/A
Chr18	42957573	42957814	Chr18.44644	Gpr151(-378042),Ppp2r2b(+101777)	N/A
Chr18	43059159	43059814	Chr18.44717	Ppp2r2b(-16)	N/A
Chr18	43152862	43153030	Chr18.44794	Ppp2r2b(-93475),Slk32a(-54751)	N/A
Chr18	43273884	43274121	Chr18.44871	Slk32a(+66356),Dpysl3(+119329)	N/A
Chr18	43343715	43343819	Chr18.44878	Dpysl3(+49610),Slk32a(+136070)	N/A
Chr18	43343869	43343969	Chr18.44980	Dpysl3(+49458),Slk32a(+136222)	N/A
Chr18	43376521	43376770	Chr18.45025	Dpysl3(+16731),Slk32a(+168949)	N/A
Chr18	43390912	43391020	Chr18.45048	Dpysl3(+2411),Slk32a(+183269)	N/A
Chr18	43394724	43394867	Chr18.45059	Dpysl3(-1419)	N/A
Chr18	43394909	43395046	Chr18.45062	Dpysl3(-1601)	N/A
Chr18	43395874	43395995	Chr18.45067	Dpysl3(-2558)	N/A
Chr18	43409545	43409770	Chr18.45074	Dpysl3(-16281),Eif3(2(+68178)	N/A
Chr18	43410176	43410278	Chr18.45079	Dpysl3(-16850),Eif3(2(+67609)	N/A
Chr18	43418902	43419028	Chr18.45082	Dpysl3(-25588),Eif3(2(+58871)	N/A
Chr18	43421829	43422026	Chr18.45086	Dpysl3(-28551),Eif3(2(+55908)	N/A
Chr18	43432884	43433034	Chr18.45093	Dpysl3(-39582),Eif3(2(+44677)	N/A
Chr18	43436091	43436432	Chr18.45099	Dpysl3(-42885),Eif3(2(+41574)	N/A
Chr18	43438245	43438345	Chr18.45114	Dpysl3(-44918),Eif3(2(+39541)	N/A
Chr18	43451571	43451670	Chr18.45135	Dpysl3(-58244),Eif3(2(+26215)	N/A
Chr18	43493854	43494045	Chr18.45158	Eif3(2(-16114),Jakmp2(+193823)	N/A
Chr18	43509254	43509497	Chr18.45173	Eif3(2(-31543),Jakmp2(+17637)	N/A
Chr18	10418694	10418871	Chr18.4522	Greb1(+93604),Escot(+191569)	N/A
Chr18	43687446	43687556	Chr18.45365	Jakmp2(+272)	N/A
Chr18	43687783	43687900	Chr18.45366	Jakmp2(-69)	N/A
Chr18	10443837	10443984	Chr18.4550	Greb1(+118732),Escot(+166441)	N/A
Chr18	10447398	10447631	Chr18.4568	Greb1(-122436),Escot(+162737)	N/A
Chr18	43380231	43380261	Chr18.45712	Dcp2(-42354),Mybl(+4072)	N/A
Chr18	10448482	10448811	Chr18.4574	Greb1(+123468),Escot(+161705)	N/A
Chr18	10450813	10451441	Chr18.4578	Greb1(+125948),Escot(+159225)	N/A
Chr18	44425293	44425427	Chr18.45808	Dcp2(+44860),Mcc(+386822)	N/A
Chr18	44454501	44454605	Chr18.45838	Dcp2(+74053),Mcc(+357629)	N/A
Chr18	44501960	44501964	Chr18.45887	Dcp2(+121412),Mcc(+310270)	N/A
Chr18	44524463	44524640	Chr18.45913	Dcp2(+144052),Mcc(+287620)	N/A
Chr18	44535681	44535853	Chr18.45921	Dcp2(+155267),Mcc(+278415)	N/A
Chr18	44557986	44558086	Chr18.45946	Dcp2(+177536),Mcc(+254146)	N/A
Chr18	44558168	44558275	Chr18.45947	Dcp2(+177722),Mcc(+253960)	N/A
Chr18	44573206	44573367	Chr18.45954	Dcp2(+192787),Mcc(+238959)	N/A
Chr18	44574761	44574987	Chr18.45957	Dcp2(+194374),Mcc(+237308)	N/A
Chr18	44581945	44582086	Chr18.45965	Dcp2(+201516),Mcc(+230166)	N/A
Chr18	44615441	44615588	Chr18.45999	Mcc(+196667),Dcp2(+235015)	N/A
Chr18	10461100	10461249	Chr18.4600	Greb1(+135996),Escot(+149177)	N/A
Chr18	44662237	44662348	Chr18.46050	Mcc(+149889),Dcp2(+281793)	N/A
Chr18	44663320	44663428	Chr18.46056	Mcc(+148808),Dcp2(+282874)	N/A
Chr18	44731061	44731170	Chr18.46080	Mcc(+91066),Dcp2(+250616)	N/A
Chr18	44733702	44733840	Chr18.46094	Mcc(+78411),Dcp2(+353271)	N/A
Chr18	44744418	44744972	Chr18.46096	Mcc(+67487),Dcp2(+364195)	N/A
Chr18	44794164	44794322	Chr18.46135	Mcc(+17939),Dcp2(+413743)	N/A
Chr18	45015533	45015834	Chr18.46255	Kcnn2(-253319),Yhdcd3(+187021)	N/A
Chr18	45020237	45020284	Chr18.46314	Kcnn2(-66214),Yhdcd3(+374126)	N/A
Chr18	45020186	45020313	Chr18.46380	170001Ba14rk(-696771),Kcnn2(+233245)	N/A
Chr18	45052000	45052743	Chr18.46384	170001Ba14rk(-696399),Kcnn2(+233617)	N/A
Chr18	45841463	45841826	Chr18.46553	170001Ba14rk(-357376),Kcnn2(+572640)	N/A
Chr18	45898542	45898702	Chr18.46586	170001Ba14rk(-300399),Kcnn2(+629617)	N/A
Chr18	45948049	45948177	Chr18.46618	170001Ba14rk(-252911),Kcnn2(+677105)	N/A
Chr18	45948396	45948528	Chr18.46621	170001Ba14rk(-252559),Kcnn2(+677457)	N/A
Chr18	45996128	45996311	Chr18.46630	170001Ba14rk(-202801),Kcnn2(+727215)	N/A
Chr18	45996718	45997000	Chr18.46632	170001Ba14rk(-202162),Kcnn2(+727854)	N/A
Chr18	46212861	46213086	Chr18.46753	Trim36(-367)	N/A
Chr18	46875818	46875926	Chr18.47051	Cd61(+52470),Eif1a(+78168)	N/A
Chr18	46743064	46743237	Chr18.47096	Alg1(2(-1572),Ap3a1(+1234)	N/A
Chr18	46988699	46988802	Chr18.47322	Comm10(-29929),Sema6a(-380039)	N/A
Chr18	47065204	47065428	Chr18.47375	Comm10(+106454),Sema6a(+303514)	N/A
Chr18	47076412	47076511	Chr18.47394	Comm10(+117600),Sema6a(+292368)	N/A
Chr18	47149468	47149582	Chr18.47449	Comm10(+190663),Sema6a(+219305)	N/A
Chr18	47154906	47155010	Chr18.47458	Comm10(+196098),Sema6a(+213872)	N/A
Chr18	47169020	47169335	Chr18.47477	Sema6a(+199622),Comm10(+210340)	N/A
Chr18	47170064	47170238	Chr18.47487	Sema6a(+188679),Comm10(+211289)	N/A
Chr18	47170318	47170444	Chr18.47491	Sema6a(+198449),Comm10(+211519)	N/A
Chr18	47194611	47194724	Chr18.47503	Sema6a(+174162),Comm10(+235806)	N/A
Chr18	47206820	47206879	Chr18.47525	Sema6a(+162080),Comm10(+247888)	N/A
Chr18	47241286	47241380	Chr18.47560	Sema6a(+172492),Comm10(+282476)	N/A
Chr18	47242483	47242584	Chr18.47565	Sema6a(+126296),Comm10(+283672)	N/A
Chr18	47242726	47242860	Chr18.47568	Sema6a(+126037),Comm10(+283931)	N/A
Chr18	47244701	47244952	Chr18.47574	Sema6a(+124003),Comm10(+285965)	N/A
Chr18	47246952	47247089	Chr18.47589	Sema6a(+121809),Comm10(+288159)	N/A
Chr18	47247179	47247301	Chr18.47591	Sema6a(+121590),Comm10(+288378)	N/A
Chr18	47255937	47256081	Chr18.47646	Sema6a(+112821),Comm10(+297147)	N/A
Chr18	47256135	47256351	Chr18.47648	Sema6a(+112587),Comm10(+297381)	N/A
Chr18	47256460	47256640	Chr18.47652	Sema6a(+112277),Comm10(+297691)	N/A
Chr18	47260141	47260315	Chr18.47667	Sema6a(+108602),Comm10(+301366)	N/A
Chr18	47267958	47268076	Chr18.47685	Sema6a(+100813),Comm10(+309155)	N/A
Chr18	47268922	47269122	Chr18.47690	Sema6a(+99808),Comm10(+310169)	N/A
Chr18	47290776	47270116	Chr18.47696	Sema6a(+98884),Comm10(+311094)	N/A
Chr18	47298881	47299026	Chr18.47805	Sema6a(+69876),Comm10(+340092)	N/A
Chr18	47300534	47300964	Chr18.47816	Sema6a(+68081),Comm10(+341887)	N/A
Chr18	47301387	47301509	Chr18.47824	Sema6a(+67382),Comm10(+342586)	N/A
Chr18	47304514	47304658	Chr18.47831	Sema6a(+64244),Comm10(+345724)	N/A
Chr18	47304714	47304887	Chr18.47833	Sema6a(+64029),Comm10(+346939)	N/A
Chr18	47307763	47308060	Chr18.47840	Sema6a(+60918),Comm10(+349050)	N/A
Chr18	47308116	47308270	Chr18.47844	Sema6a(+60637),Comm10(+349331)	N/A
Chr18	47318672	47318812	Chr18.47879	Sema6a(+50088),Comm10(+359880)	N/A
Chr18	47321242	47321460	Chr18.47887	Sema6a(+47479),Comm10(+362489)	N/A
Chr18	47327516	47327618	Chr18.47900	Sema6a(+41263),Comm10(+368705)	N/A
Chr18	47330446	47330597	Chr18.47907	Sema6a(+38308),Comm10(+371669)	N/A
Chr18	47333128	47333326	Chr18.47909	Sema6a(+35603),Comm10(+374365)	N/A
Chr18	47333649	47333892	Chr18.47918	Sema6a(+35059),Comm10(+374909)	N/A
Chr18	47337444	47337644	Chr18.47924	Sema6a(+31266),Comm10(+378702)	N/A
Chr18	47348757	47349087	Chr18.47964	Sema6a(+19908),Comm10(+390060)	N/A
Chr18	47358983	47359098	Chr18.47993	Sema6a(+9789),Comm10(+400179)	N/A
Chr18	47365649	47365772	Chr18.48009	Sema6a(+5119),Comm10(+406849)	N/A
Chr18	47368204	47368459	Chr18.48023	Sema6a(+498)	N/A
Chr18	47368761	47368987	Chr18.48026	Sema6a(-44)	N/A
Chr18	47369301	47369534	Chr18.48029	Sema6a(-588)	N/A
Chr18	47370728	47371016	Chr18.48035	Sema6a(-2043)	N/A
Chr18	47456370	47456575	Chr18.48136	Eno1b(-58862),Sema6a(-67643)	N/A
Chr18	47474527	47474647	Chr18.48177	Eno1b(-570748),Sema6a(-105757)	N/A
Chr18	47474702	47474905	Chr18.48179	Eno1b(-570531),Sema6a(-105974)	N/A
Chr18	47493420	47493602	Chr18.48197	Eno1b(-551824),Sema6a(-124681)	N/A
Chr18	47537332	47537513	Chr18.48237	Eno1b(-507912),Sema6a(-168593)	N/A
Chr18	47550731	47550880	Chr18.48271	Eno1b(-486529),Sema6a(-187978)	N/A
Chr18	10610089	10610303	Chr18.4829	Escot(-166)	N/A

Chr18	47568782	47568889	Chr18.48302	<i>Eno1b(-476449),Sema6a(-200056)</i>	N/A
Chr18	47585650	47585796	Chr18.48330	<i>Eno1b(-459612),Sema6a(-216893)</i>	N/A
Chr18	47604525	47604726	Chr18.48354	<i>Eno1b(-440709),Sema6a(-235796)</i>	N/A
Chr18	47606926	47607067	Chr18.48363	<i>Eno1b(-436338),Sema6a(-239167)</i>	N/A
Chr18	47607125	47607237	Chr18.48365	<i>Eno1b(-438154),Sema6a(-238351)</i>	N/A
Chr18	47647444	47647568	Chr18.48413	<i>Eno1b(-397829),Sema6a(-278676)</i>	N/A
Chr18	47764118	47764259	Chr18.48496	<i>Sema6a(-395359),Eno1b(-281146)</i>	N/A
Chr18	47803188	47803395	Chr18.48508	<i>Sema6a(-434462),Eno1b(-242043)</i>	N/A
Chr18	47854733	47854832	Chr18.48559	<i>Sema6a(-485953),Eno1b(-195552)</i>	N/A
Chr18	47857555	47857802	Chr18.48561	<i>Sema6a(-488899),Eno1b(-187606)</i>	N/A
Chr18	47907198	47907413	Chr18.48610	<i>Sema6a(-538476),Eno1b(-138029)</i>	N/A
Chr18	48009850	48010026	Chr18.48705	<i>Sema6a(-641108),Eno1b(-35397)</i>	N/A
Chr18	48074199	48074547	Chr18.48772	<i>Eno1b(-29038)</i>	N/A
Chr18	48506729	48506878	Chr18.49038	<i>Eno1b(-521468)</i>	N/A
Chr18	48772420	48772620	Chr18.49155	<i>Eno1b(-727183),Dtwd2(+983081)</i>	N/A
Chr18	48809063	48809877	Chr18.49197	<i>Eno1b(-764403),Dtwd2(+945861)</i>	N/A
Chr18	3991693	3991901	Chr18.492	<i>Lyzt1(-174035),Bambi(+483840)</i>	N/A
Chr18	10785440	10785586	Chr18.4937	<i>Gata6(-266997),Mib1(+59965)</i>	N/A
Chr18	49117844	49118113	Chr18.49423	<i>Dtwd2(+637622)</i>	N/A
Chr18	10787566	10787904	Chr18.4953	<i>Gata6(-264775),Mib1(+62187)</i>	N/A
Chr18	49289173	49289290	Chr18.49600	<i>Dtwd2(+466369)</i>	N/A
Chr18	49296863	49298795	Chr18.49611	<i>Dtwd2(+456862)</i>	N/A
Chr18	49319505	49319604	Chr18.49635	<i>Dtwd2(+436046)</i>	N/A
Chr18	49319868	49320042	Chr18.49641	<i>Dtwd2(+435644)</i>	N/A
Chr18	49338793	49338914	Chr18.49686	<i>Dtwd2(-358747)</i>	N/A
Chr18	49403705	49403887	Chr18.49693	<i>Dtwd2(-351805)</i>	N/A
Chr18	49454528	49454649	Chr18.49757	<i>Dtwd2(-301012)</i>	N/A
Chr18	49454696	49454813	Chr18.49758	<i>Dtwd2(+300846)</i>	N/A
Chr18	49543507	49543646	Chr18.49855	<i>Dtwd2(+212024)</i>	N/A
Chr18	49559124	49559397	Chr18.49879	<i>Dtwd2(-196340)</i>	N/A
Chr18	50839833	50840162	Chr18.5006	<i>Gata6(-712502),Mib1(+114460)</i>	N/A
Chr18	50016947	50017000	Chr18.50220	<i>Tnfrap8(-36358),Dmxl1(+163627)</i>	N/A
Chr18	50026573	50026749	Chr18.50229	<i>Tnfrap8(-26621),Dmxl1(+193664)</i>	N/A
Chr18	50053356	50053471	Chr18.50271	<i>Tnfrap8(+132)</i>	N/A
Chr18	50054209	50054359	Chr18.50274	<i>Hsd17b4(-73917),Tnfrap8(+1002)</i>	N/A
Chr18	50055580	50055690	Chr18.50279	<i>Hsd17b4(-72566),Tnfrap8(-2353)</i>	N/A
Chr18	10856860	10856980	Chr18.5030	<i>Gata6(-195807),Mib1(+131355)</i>	N/A
Chr18	10866233	10866582	Chr18.5035	<i>Gata6(-186102),Mib1(+140860)</i>	N/A
Chr18	50272935	50273041	Chr18.50440	<i>Fam170a(-5381),Hsd17b4(+144787)</i>	N/A
Chr18	10903999	10904181	Chr18.5045	<i>Gata6(-148420),Mib1(+178542)</i>	N/A
Chr18	51119618	51119734	Chr18.50790	<i>Prr16(+1778),Gm4950(+746205)</i>	N/A
Chr18	51158690	51158793	Chr18.50813	<i>Prr16(+40844),Gm4950(+707139)</i>	N/A
Chr18	51229869	51240035	Chr18.50837	<i>Prr16(+122054),Gm4950(+625929)</i>	N/A
Chr18	10936145	10936325	Chr18.5092	<i>Gata6(-116275),Mib1(+210687)</i>	N/A
Chr18	52398101	52398309	Chr18.51058	<i>Srtp1(-67488),Flmt(+66669)</i>	N/A
Chr18	52476696	52476823	Chr18.51087	<i>Srtp1(+11067),Lox(+53107)</i>	N/A
Chr18	52479743	52479925	Chr18.51100	<i>Srtp1(+14141),Lox(+50033)</i>	N/A
Chr18	52524355	52524547	Chr18.51166	<i>Lox(-5416),Srtp1(+58736)</i>	N/A
Chr18	52529856	52530003	Chr18.51193	<i>Lox(-43)</i>	N/A
Chr18	52530099	52530236	Chr18.51197	<i>Lox(-301)</i>	N/A
Chr18	52587544	52587677	Chr18.51226	<i>Lox(-57744),Zfp474(-28304)</i>	N/A
Chr18	52587750	52588041	Chr18.51229	<i>Lox(-58029),Zfp474(-28019)</i>	N/A
Chr18	52590518	52590723	Chr18.51234	<i>Lox(-60734),Zfp474(-25294)</i>	N/A
Chr18	52634547	52634648	Chr18.51274	<i>1700034e13nk(-11611),Zfp474(+18683)</i>	N/A
Chr18	52640847	52640954	Chr18.51312	<i>1700034e13nk(-5308),Zfp474(+24986)</i>	N/A
Chr18	52654374	52654475	Chr18.51321	<i>Gykl1(-39254),1700034e13nk(+8216)</i>	N/A
Chr18	10976433	10976643	Chr18.5133	<i>Gata6(-75972),Mib1(+250990)</i>	N/A
Chr18	52662770	52662871	Chr18.51337	<i>Gykl1(-30858),1700034e13nk(+16612)</i>	N/A
Chr18	52662917	52663017	Chr18.51340	<i>Gykl1(-30712),1700034e13nk(+16758)</i>	N/A
Chr18	52663074	52663247	Chr18.51344	<i>Gykl1(-30518),1700034e13nk(+16952)</i>	N/A
Chr18	52664555	52664684	Chr18.51352	<i>Gykl1(-29059),1700034e13nk(+18411)</i>	N/A
Chr18	52679250	52679352	Chr18.51359	<i>Gykl1(-14378),1700034e13nk(+33092)</i>	N/A
Chr18	10976922	10977201	Chr18.51396	<i>Gata6(-75448),Mib1(+251514)</i>	N/A
Chr18	52720209	52720372	Chr18.51405	<i>Sncap(-47419),Gykl1(+26612)</i>	N/A
Chr18	52723435	52723574	Chr18.51407	<i>Sncap(-47205),Gykl1(+26826)</i>	N/A
Chr18	52721180	52721462	Chr18.51412	<i>Sncap(-46389),Gykl1(+27642)</i>	N/A
Chr18	52735372	52735528	Chr18.51419	<i>Sncap(-32260),Gykl1(+41771)</i>	N/A
Chr18	52765511	52765650	Chr18.51470	<i>Sncap(-2129)</i>	N/A
Chr18	52766074	52766275	Chr18.51471	<i>Sncap(-1535)</i>	N/A
Chr18	52766715	52766881	Chr18.51476	<i>Sncap(-912)</i>	N/A
Chr18	52767411	52767519	Chr18.51478	<i>Sncap(-280)</i>	N/A
Chr18	52769129	52769282	Chr18.51484	<i>Snx2(-407159),Sncap(+1496)</i>	N/A
Chr18	52777948	52778425	Chr18.51508	<i>Snx2(-398178),Sncap(+10477)</i>	N/A
Chr18	52793455	52793630	Chr18.51540	<i>Snx2(-382822),Sncap(+25833)</i>	N/A
Chr18	52794746	52794969	Chr18.51548	<i>Snx2(-381507),Sncap(+27148)</i>	N/A
Chr18	52802897	52802871	Chr18.51569	<i>Snx2(-373631),Sncap(-35024)</i>	N/A
Chr18	52806227	52806459	Chr18.51574	<i>Snx2(-370022),Sncap(-38633)</i>	N/A
Chr18	52808607	52808763	Chr18.51581	<i>Snx2(-367680),Sncap(+40975)</i>	N/A
Chr18	52808978	52809169	Chr18.51584	<i>Snx2(-367291),Sncap(+41364)</i>	N/A
Chr18	52812179	52812287	Chr18.51588	<i>Snx2(-364132),Sncap(+44523)</i>	N/A
Chr18	52819536	52819748	Chr18.51602	<i>Snx2(-356723),Sncap(+51932)</i>	N/A
Chr18	52825307	52825628	Chr18.51609	<i>Snx2(-350897),Sncap(+57758)</i>	N/A
Chr18	52825819	52826221	Chr18.51623	<i>Snx2(-350345),Sncap(+58310)</i>	N/A
Chr18	52827857	52828030	Chr18.51634	<i>Snx2(-348421),Sncap(+60234)</i>	N/A
Chr18	52832376	52832540	Chr18.51641	<i>Snx2(-343907),Sncap(+64748)</i>	N/A
Chr18	52832871	52833161	Chr18.51642	<i>Snx2(-343349),Sncap(+63306)</i>	N/A
Chr18	52842069	52842182	Chr18.51662	<i>Snx2(-342439),Sncap(+74416)</i>	N/A
Chr18	52851685	52852040	Chr18.51687	<i>Snx2(-324502),Sncap(+84153)</i>	N/A
Chr18	52869906	52870137	Chr18.51737	<i>Snx2(-306343),Sncap(+102312)</i>	N/A
Chr18	52912921	52913078	Chr18.51822	<i>Snx2(-263365),Sncap(+145290)</i>	N/A
Chr18	52923497	52923605	Chr18.51852	<i>Snx2(-252814),Sncap(+155841)</i>	N/A
Chr18	53011535	53011633	Chr18.51931	<i>Snx2(-164780),Sncap(+243875)</i>	N/A
Chr18	53035086	53035213	Chr18.51951	<i>Snx2(-141215),Sncap(+267449)</i>	N/A
Chr18	53036817	53036956	Chr18.51959	<i>Snx2(-139478),Sncap(+269177)</i>	N/A
Chr18	53058238	53058681	Chr18.51982	<i>Snx2(-117905),Sncap(+290750)</i>	N/A
Chr18	53076831	53077013	Chr18.52001	<i>Snx2(-99443),Sncap(+309212)</i>	N/A
Chr18	53082106	53082293	Chr18.52020	<i>Snx2(-94165),Sncap(+314490)</i>	N/A
Chr18	53085534	53086789	Chr18.52035	<i>Snx2(-91703),Sncap(-320952)</i>	N/A
Chr18	53110417	53110542	Chr18.52052	<i>Snx2(-65889),Sncap(-342770)</i>	N/A
Chr18	53111618	53111961	Chr18.52065	<i>Snx2(-64575),Sncap(+344080)</i>	N/A
Chr18	53112067	53112293	Chr18.52069	<i>Snx2(-64185),Sncap(+344470)</i>	N/A
Chr18	53123339	53123542	Chr18.52083	<i>Snx2(-52924),Sncap(+355731)</i>	N/A
Chr18	53123574	53123775	Chr18.52087	<i>Snx2(-52690),Sncap(+355965)</i>	N/A
Chr18	11050823	11050940	Chr18.5212	<i>Gata6(-1628)</i>	N/A
Chr18	11052472	11052660	Chr18.5219	<i>Gata6(+56)</i>	N/A
Chr18	53316878	53317031	Chr18.52199	<i>Snx24(+71293),Ppic(+101052)</i>	N/A
Chr18	53326714	53326908	Chr18.52203	<i>Snx24(+81149),Ppic(+91196)</i>	N/A
Chr18	53334072	53334192	Chr18.52210	<i>Ppic(+83875),Snx24(+88470)</i>	N/A
Chr18	53341746	53341848	Chr18.52222	<i>Ppic(+76210),Snx24(+90133)</i>	N/A
Chr18	11052930	11053043	Chr18.5223	<i>Gata6(+477)</i>	N/A
Chr18	53361250	53361437	Chr18.52244	<i>Ppic(+56663),Snx24(+115682)</i>	N/A
Chr18	53361752	53362082	Chr18.52249	<i>Ppic(+56090),Snx24(+116255)</i>	N/A
Chr18	53385089	53385464	Chr18.52282	<i>Ppic(+32730),Snx24(+139615)</i>	N/A
Chr18	53389084	53389252	Chr18.52286	<i>Ppic(+28839),Snx24(+143508)</i>	N/A
Chr18	53401280	53401412	Chr18.52300	<i>Ppic(+15661),Snx24(+155584)</i>	N/A
Chr18	53433237	53433492	Chr18.52341	<i>Prdm6(-31181),Ppic(-15358)</i>	N/A
Chr18	53490785	53490913	Chr18.52437	<i>Prdm6(-26303),Cap120(+253698)</i>	N/A
Chr18	53498244	53498502	Chr18.52451	<i>Prdm6(+33827),Cap120(+246174)</i>	N/A
Chr18	53499215	53499525	Chr18.52459	<i>Prdm6(+34824),Cap120(+245177)</i>	N/A
Chr18	53522350	53522611	Chr18.52492	<i>Prdm6(+57935),Cap120(+222066)</i>	N/A
Chr18	53524551	53524685	Chr18.52503	<i>Prdm6(+6072),Cap120(+219928)</i>	N/A
Chr18	53538752	53538899	Chr18.52533	<i>Prdm6(+74280),Cap120(+205721)</i>	N/A
Chr18	53544089	53544318	Chr18.52551	<i>Prdm6(+79658),Cap120(+200343)</i>	N/A
Chr18	53580625	53580735	Chr18.52620	<i>Prdm6(+116134),Cap120(+163867)</i>	N/A
Chr18	53596116	53596266	Chr18.52631	<i>Prdm6(+131645),Cap120(+148356)</i>	N/A
Chr18	53598818	53598953	Chr18.52635	<i>Prdm6(+132340),Cap120(+147661)</i>	N/A
Chr18	53635049	53635372	Chr18.52732	<i>Cap120(+109336),Prdm6(+170655)</i>	N/A
Chr18	53647840	53648234	Chr18.52751	<i>Cap120(+96510),Prdm6(+183491)</i>	N/A
Chr18	53689298	53689593	Chr18.52801	<i>Cap120(+46101),Prdm6(+233900)</i>	N/A
Chr18	53698668	53698879	Chr18.52804	<i>Cap120(+45773),Prdm6(+234228)</i>	N/A
Chr18	53753250	53753416	Chr18.52881	<i>Csnk1g3(-108780),Cap120(-8786)</i>	N/A
Chr18	53762768	53762920	Chr18.52885	<i>Csnk1g3(-99269),Cap120(-18397)</i>	N/A
Chr18	11078184	11078336	Chr18.52900	<i>Rbbp8(-579089),Gata6(+25750)</i>	N/A
Chr18	53862029	53862147	Chr18.52924	<i>Csnk1g3(-25)</i>	N/A
Chr18	53864783	53864888	Chr18.52930	<i>Csnk1g3(+2723)</i>	N/A
Chr18	53954393	53954494	Chr18.53004	<i>Csnk1g3(+92331)</i>	N/A
Chr18	53963199	53963431	Chr18.53023	<i>Csnk1g3(+13102),Zfp608(+998865)</i>	N/A
Chr18	53994302	53994440	Chr18.53030	<i>Csnk1g3(+132263),Zfp608(+995804)</i>	N/A

Chr18	53995956	53996061	Chr18.53040	Cank1g3(+133896), Zfp608(+994171)	N/A
Chr18	54074400	54074866	Chr18.53074	Cank1g3(+212520), Zfp608(+915547)	N/A
Chr18	54075464	54075605	Chr18.53085	Cank1g3(+213422), Zfp608(+914645)	N/A
Chr18	54091773	54091578	Chr18.53116	Cank1g3(+229413), Zfp608(+898541)	N/A
Chr18	54091743	54091899	Chr18.53121	Cank1g3(+229708), Zfp608(+898359)	N/A
Chr18	54092256	54092531	Chr18.53126	Cank1g3(+230281), Zfp608(+897786)	N/A
Chr18	54092614	54092811	Chr18.53130	Cank1g3(+230600), Zfp608(+897467)	N/A
Chr18	54093364	54093757	Chr18.53131	Cank1g3(+231448), Zfp608(+896619)	N/A
Chr18	54093607	54093923	Chr18.53135	Cank1g3(+231752), Zfp608(+896352)	N/A
Chr18	54119033	54119247	Chr18.53154	Cank1g3(+237027), Zfp608(+871040)	N/A
Chr18	54119452	54119683	Chr18.53160	Cank1g3(+257455), Zfp608(+870612)	N/A
Chr18	54121465	54122100	Chr18.53173	Cank1g3(+259670), Zfp608(+868397)	N/A
Chr18	54123887	54124016	Chr18.53185	Cank1g3(+261839), Zfp608(+866228)	N/A
Chr18	54125597	54126410	Chr18.53196	Cank1g3(+263991), Zfp608(+864176)	N/A
Chr18	54175063	54175390	Chr18.53241	Cank1g3(+313114), Zfp608(+814953)	N/A
Chr18	54178220	54178365	Chr18.53255	Cank1g3(+316180), Zfp608(+811887)	N/A
Chr18	11111104	11111320	Chr18.53327	Rbbp8(-546137), Gata6(+58702)	N/A
Chr18	54210403	54210606	Chr18.53302	Cank1g3(+348392), Zfp608(+779675)	N/A
Chr18	54215668	54215996	Chr18.53307	Cank1g3(+353719), Zfp608(+774348)	N/A
Chr18	54234166	54234423	Chr18.53315	Cank1g3(+372182), Zfp608(+755885)	N/A
Chr18	54278064	54279600	Chr18.53350	Cank1g3(+416219), Zfp608(+711848)	N/A
Chr18	54280830	54280996	Chr18.53355	Cank1g3(+418800), Zfp608(+709267)	N/A
Chr18	54281049	54281525	Chr18.53359	Cank1g3(+419174), Zfp608(+708893)	N/A
Chr18	54337190	54337431	Chr18.53395	Cank1g3(+475198), Zfp608(+652869)	N/A
Chr18	54342298	54342584	Chr18.53404	Cank1g3(+480328), Zfp608(+647739)	N/A
Chr18	54342890	54343063	Chr18.53409	Cank1g3(+480864), Zfp608(+647203)	N/A
Chr18	54358466	54358656	Chr18.53430	Cank1g3(+496448), Zfp608(+631619)	N/A
Chr18	54371651	54371851	Chr18.53438	Cank1g3(+509638), Zfp608(+618429)	N/A
Chr18	54374288	54374554	Chr18.53451	Cank1g3(+512308), Zfp608(+615759)	N/A
Chr18	54378402	54378525	Chr18.53460	Cank1g3(+516351), Zfp608(+611716)	N/A
Chr18	54379514	54379876	Chr18.53465	Cank1g3(+517582), Zfp608(+610485)	N/A
Chr18	54408480	54408740	Chr18.53475	Cank1g3(+544497), Zfp608(+583709)	N/A
Chr18	54408220	54408348	Chr18.53477	Cank1g3(+546171), Zfp608(+581896)	N/A
Chr18	54452479	54453626	Chr18.53530	Zfp608(+537127), Cank1g3(+590940)	N/A
Chr18	54476956	54477203	Chr18.53560	Zfp608(+513100), Cank1g3(+614967)	N/A
Chr18	54479756	54479920	Chr18.53564	Zfp608(+510342), Cank1g3(+617725)	N/A
Chr18	54482560	54482875	Chr18.53573	Zfp608(+507462), Cank1g3(+620605)	N/A
Chr18	54482842	54493270	Chr18.53591	Zfp608(+497124), Cank1g3(+630943)	N/A
Chr18	54493782	54493997	Chr18.53594	Zfp608(+496290), Cank1g3(+631777)	N/A
Chr18	54500532	54500804	Chr18.53598	Zfp608(+489512), Cank1g3(+638555)	N/A
Chr18	54502561	54502746	Chr18.53613	Zfp608(+487526), Cank1g3(+640541)	N/A
Chr18	54535141	54535387	Chr18.53667	Zfp608(+454916), Cank1g3(+673151)	N/A
Chr18	54550400	54550730	Chr18.53684	Zfp608(+439615), Cank1g3(+688450)	N/A
Chr18	54550865	54550970	Chr18.53693	Zfp608(+439262), Cank1g3(+688805)	N/A
Chr18	54551765	54551885	Chr18.53703	Zfp608(+438355), Cank1g3(+689712)	N/A
Chr18	54551991	54552309	Chr18.53707	Zfp608(+438030), Cank1g3(+690037)	N/A
Chr18	54576614	54576914	Chr18.53732	Zfp608(+413416), Cank1g3(+714651)	N/A
Chr18	54591490	54594326	Chr18.53771	Zfp608(+395922), Cank1g3(+732145)	N/A
Chr18	54596537	54596737	Chr18.53776	Zfp608(+393543), Cank1g3(+734524)	N/A
Chr18	54598415	54598601	Chr18.53780	Zfp608(+391672), Cank1g3(+736395)	N/A
Chr18	54611477	54611611	Chr18.53791	Zfp608(+378636), Cank1g3(+749431)	N/A
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Chr18	54612455	54612776	Chr18.53799	Zfp608(+377563), Cank1g3(+750504)	N/A
Chr18	54613406	54613620	Chr18.53804	Zfp608(+376717), Cank1g3(+751506)	N/A
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Chr18	54613809	54614125	Chr18.53812	Zfp608(+376213), Cank1g3(+751854)	N/A
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Chr18	54662498	54662644	Chr18.53844	Zfp608(+327609), Cank1g3(+800458)	N/A
Chr18	54662752	54662897	Chr18.53849	Zfp608(+327355), Cank1g3(+800712)	N/A
Chr18	54663823	54664099	Chr18.53852	Zfp608(+326219), Cank1g3(+801849)	N/A
Chr18	54685537	54686114	Chr18.53876	Zfp608(+304354), Cank1g3(+823713)	N/A
Chr18	54686187	54686445	Chr18.53881	Zfp608(+303864), Cank1g3(+824203)	N/A
Chr18	54691617	54692013	Chr18.53890	Zfp608(+298365), Cank1g3(+829702)	N/A
Chr18	54692222	54692418	Chr18.53896	Zfp608(+297860), Cank1g3(+830207)	N/A
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Chr18	54718927	54719091	Chr18.53931	Zfp608(+271171), Cank1g3(+856896)	N/A
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Chr18	54829011	54829208	Chr18.54138	Zfp608(+161077), Cank1g3(+969557)	N/A
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Chr18	54901825	54901948	Chr18.54339	Zfp608(+88293)	N/A
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Chr18	54911458	54911650	Chr18.54360	Zfp608(+78626)	N/A
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Chr18	54989796	54990043	Chr18.54538	Zfp608(+260)	N/A
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Chr18	54991597	54991719	Chr18.54548	Zfp608(+1478)	N/A
Chr18	54991789	54991889	Chr18.54550	Zfp608(+1659)	N/A
Chr18	54991974	54992381	Chr18.54551	Zfp608(+1998)	N/A
Chr18	54992502	54992758	Chr18.54554	Zfp608(+2450)	N/A
Chr18	54992858	54993018	Chr18.54557	Zfp608(+2758)	N/A
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Chr18	11240608	11240890	Chr18.54689	Rbbp8(-416600),Gata6(+188239)	N/A
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Chr18	55203862	55204009	Chr18.54913	Zfp608(-213758)	N/A
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Chr18	55251873	55252085	Chr18.54973	Zfp608(-261799)	N/A
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Chr18	55257142	55257385	Chr18.54981	Zfp608(-267094)	N/A
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Chr18	55259479	55259713	Chr18.54997	Zfp608(-269416)	N/A
Chr18	55259891	55260156	Chr18.55001	Zfp608(-269844)	N/A
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Chr18	55291560	55291746	Chr18.55044	Zfp608(-301473)	N/A
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Chr18	55339495	55339899	Chr18.55069	Zfp608(-349517)	N/A
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Chr18	55507050	55507403	Chr18.55328	Grmd3(-924905),Zfp608(-517047)	N/A
Chr18	55508175	55508313	Chr18.55336	Grmd3(-923888),Zfp608(-518064)	N/A
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Chr18	55545986	55546269	Chr18.55394	Grmd3(-886004),Zfp608(-555949)	N/A
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Chr18	55547414	55548140	Chr18.55404	Grmd3(-884355),Zfp608(-557597)	N/A
Chr18	55549021	55549149	Chr18.55415	Grmd3(-883047),Zfp608(-558905)	N/A
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Chr18	11392675	11392913	Chr18.5621	Rbbp8(-264559),Gata6(+340284)	N/A
Chr18	11393055	11393242	Chr18.5627	Rbbp8(-264200),Gata6(+340639)	N/A
Chr18	56754190	56754303	Chr18.56383	Lmn1(+46434),March3(+171301)	N/A
Chr18	56756336	56756449	Chr18.56387	Lmn1(+46580),March3(+169152)	N/A
Chr18	56774133	56774412	Chr18.56397	Lmn1(+46460),March3(+151275)	N/A
Chr18	56814117	56814347	Chr18.56483	Lmn1(+106419),March3(+113131)	N/A
Chr18	56815377	56815487	Chr18.56484	Lmn1(+107619),March3(+110116)	N/A
Chr18	56896924	56897137	Chr18.56597	March3(+28517),Lmn1(+189218)	N/A
Chr18	56899663	56899772	Chr18.56604	March3(+25830),Lmn1(+191905)	N/A
Chr18	56963155	56963258	Chr18.56761	March3(-37658),C330018d20nk(-12162)	N/A
Chr18	57014900	57015008	Chr18.56868	Megf10(-118136),C330018d20nk(-39586)	N/A
Chr18	57133394	57133500	Chr18.56975	Megf10(+357)	N/A
Chr18	57141404	57141701	Chr18.56984	Prrc1(-213180),Megf10(+8463)	N/A
Chr18	57158503	57158608	Chr18.57018	Prrc1(-196177),Megf10(+25466)	N/A
Chr18	57176878	57176988	Chr18.57046	Prrc1(-177801),Megf10(+43842)	N/A
Chr18	57180044	57180248	Chr18.57048	Prrc1(-174567),Megf10(+7056)	N/A
Chr18	57189567	57190165	Chr18.57073	Prrc1(-155672),Megf10(+65971)	N/A
Chr18	57212042	57212155	Chr18.57097	Prrc1(-142634),Megf10(+79009)	N/A
Chr18	57230171	57230446	Chr18.57127	Prrc1(-124424),Megf10(+97219)	N/A
Chr18	57236942	57237078	Chr18.57136	Prrc1(-117723),Megf10(+103920)	N/A
Chr18	11470840	11470945	Chr18.5714	Rbbp8(-186458),Gata6(+418383)	N/A
Chr18	57245352	57245597	Chr18.57165	Prrc1(-108258),Megf10(+112385)	N/A

Chr18	57253330	57253542	Chr18.57203	<i>Prc1(-101297), Megf10(+120346)</i>	N/A
Chr18	57267036	57267216	Chr18.57251	<i>Prc1(-87607), Megf10(+134036)</i>	N/A
Chr18	57271032	57271269	Chr18.57256	<i>Prc1(-83582), Megf10(+138061)</i>	N/A
Chr18	114793731	11479903	Chr18.5731	<i>Rbbp8(-177532), Gata6(+427341)</i>	N/A
Chr18	11479969	11480262	Chr18.5732	<i>Rbbp8(-177233), Gata6(+427806)</i>	N/A
Chr18	57468446	57468700	Chr18.57509	<i>Cttn3(+87)</i>	N/A
Chr18	57486150	57486287	Chr18.57553	<i>Ccdc192(-47561), Cttn3(+17733)</i>	N/A
Chr18	57523264	57523387	Chr18.57584	<i>Ccdc192(-10454), Cttn3(+54840)</i>	N/A
Chr18	57537613	57537765	Chr18.57607	<i>Slc12a2(-340989), Ccdc192(+3909)</i>	N/A
Chr18	57609326	57609448	Chr18.57648	<i>Slc12a2(-269291), Ccdc192(+75607)</i>	N/A
Chr18	57609848	57610030	Chr18.57653	<i>Slc12a2(-268739), Ccdc192(+76159)</i>	N/A
Chr18	57744882	57745204	Chr18.57787	<i>Slc12a2(-133635), Ccdc192(+21263)</i>	N/A
Chr18	57747494	57747654	Chr18.57796	<i>Slc12a2(-131104), Ccdc192(+213794)</i>	N/A
Chr18	57747953	57748092	Chr18.57799	<i>Slc12a2(-130655), Ccdc192(+214243)</i>	N/A
Chr18	4125885	4125888	Chr18.578	<i>Lyd1(-40055), Bamf(+617820)</i>	N/A
Chr18	57788890	57789118	Chr18.57838	<i>Slc12a2(-89679), Ccdc192(+255219)</i>	N/A
Chr18	11562072	11562371	Chr18.5790	<i>Rbbp8(-95127), Gata6(+509712)</i>	N/A
Chr18	57881100	57881202	Chr18.57902	<i>Slc12a2(+2473), Fbn2(+328775)</i>	N/A
Chr18	57985530	57985638	Chr18.58033	<i>Slc12a2(+106906), Fbn2(+224342)</i>	N/A
Chr18	57984951	57985622	Chr18.58039	<i>Slc12a2(+110734), Fbn2(+220514)</i>	N/A
Chr18	58004024	58005207	Chr18.58054	<i>Slc12a2(+126433), Fbn2(+204819)</i>	N/A
Chr18	58005409	58005573	Chr18.58061	<i>Slc12a2(+126813), Fbn2(+204435)</i>	N/A
Chr18	58007788	58007925	Chr18.58065	<i>Slc12a2(+129179), Fbn2(+202069)</i>	N/A
Chr18	58008833	58008935	Chr18.58071	<i>Slc12a2(+130206), Fbn2(+201042)</i>	N/A
Chr18	58009300	58009493	Chr18.58074	<i>Slc12a2(+130719), Fbn2(+200529)</i>	N/A
Chr18	11597285	11597647	Chr18.5818	<i>Rbbp8(-59853), Gata6(+54955)</i>	N/A
Chr18	11598996	11598908	Chr18.5822	<i>Rbbp8(-58547), Gata6(+546292)</i>	N/A
Chr18	11614384	11614610	Chr18.5830	<i>Rbbp8(-42852), Gata6(+561987)</i>	N/A
Chr18	11614839	11615354	Chr18.5833	<i>Rbbp8(-42252), Gata6(+562587)</i>	N/A
Chr18	58107491	58107609	Chr18.58412	<i>Fbn2(+102376), Slc12a2(+228872)</i>	N/A
Chr18	58107640	58107797	Chr18.58414	<i>Fbn2(+102207), Slc12a2(+229041)</i>	N/A
Chr18	11633025	11633541	Chr18.5842	<i>Rbbp8(-24056), Gata6(+580773)</i>	N/A
Chr18	58113934	58114051	Chr18.58422	<i>Fbn2(+95933), Slc12a2(+235315)</i>	N/A
Chr18	58124412	58124614	Chr18.58447	<i>Fbn2(+85413), Slc12a2(+245835)</i>	N/A
Chr18	58124948	58125065	Chr18.58453	<i>Fbn2(+84919), Slc12a2(+246329)</i>	N/A
Chr18	58126125	58126337	Chr18.58455	<i>Fbn2(+83695), Slc12a2(+247553)</i>	N/A
Chr18	58140370	58140488	Chr18.58463	<i>Fbn2(+89497), Slc12a2(+267151)</i>	N/A
Chr18	58147107	58147387	Chr18.58475	<i>Fbn2(+62679), Slc12a2(+268569)</i>	N/A
Chr18	11633957	11634155	Chr18.5848	<i>Rbbp8(-23293), Gata6(+581546)</i>	N/A
Chr18	58164076	58164382	Chr18.58503	<i>Fbn2(+45697), Slc12a2(+285551)</i>	N/A
Chr18	58170699	58170871	Chr18.58506	<i>Fbn2(+39141), Slc12a2(+292107)</i>	N/A
Chr18	58177628	58177776	Chr18.58509	<i>Fbn2(+32224), Slc12a2(+299024)</i>	N/A
Chr18	58187895	58187852	Chr18.58513	<i>Fbn2(+22152), Slc12a2(+299096)</i>	N/A
Chr18	58188624	58188778	Chr18.58518	<i>Fbn2(+21225), Slc12a2(+310023)</i>	N/A
Chr18	58204452	58204590	Chr18.58529	<i>Fbn2(+5405), Slc12a2(+325843)</i>	N/A
Chr18	11636570	11636682	Chr18.5853	<i>Rbbp8(-20723), Gata6(+584116)</i>	N/A
Chr18	58206814	58207110	Chr18.58535	<i>Fbn2(+2964), Slc12a2(+328284)</i>	N/A
Chr18	58207531	58207670	Chr18.58539	<i>Fbn2(+2325), Slc12a2(+329925)</i>	N/A
Chr18	58208228	58208409	Chr18.58544	<i>Fbn2(+1607), Slc12a2(+329641)</i>	N/A
Chr18	58230417	58230814	Chr18.58564	<i>Slc27a6(-325641), Fbn2(-20590)</i>	N/A
Chr18	58306653	58306778	Chr18.58605	<i>Slc27a6(-249541), Fbn2(-96790)</i>	N/A
Chr18	58307941	58308083	Chr18.58610	<i>Slc27a6(-248245), Fbn2(-98086)</i>	N/A
Chr18	58324534	58324833	Chr18.58621	<i>Slc27a6(-231573), Fbn2(-114758)</i>	N/A
Chr18	58380575	58380794	Chr18.58682	<i>Slc27a6(-175572), Fbn2(-170759)</i>	N/A
Chr18	58384726	58384940	Chr18.58688	<i>Fbn2(-174907), Slc27a6(-171424)</i>	N/A
Chr18	58386908	58387136	Chr18.58690	<i>Fbn2(-177096), Slc27a6(-169235)</i>	N/A
Chr18	58394779	58395242	Chr18.58692	<i>Fbn2(-185085), Slc27a6(-161246)</i>	N/A
Chr18	58402629	58402829	Chr18.58705	<i>Fbn2(-192653), Slc27a6(-153678)</i>	N/A
Chr18	58416759	58417083	Chr18.58723	<i>Fbn2(-207000), Slc27a6(-139331)</i>	N/A
Chr18	58417330	58417537	Chr18.58738	<i>Fbn2(-207086), Slc27a6(-138823)</i>	N/A
Chr18	58432079	58432253	Chr18.58743	<i>Fbn2(-222440), Slc27a6(-124091)</i>	N/A
Chr18	58432313	58432430	Chr18.58745	<i>Fbn2(-222446), Slc27a6(-123885)</i>	N/A
Chr18	58455335	58455451	Chr18.58755	<i>Fbn2(-245467), Slc27a6(-100864)</i>	N/A
Chr18	58455655	58455837	Chr18.58759	<i>Fbn2(-245773), Slc27a6(-100556)</i>	N/A
Chr18	58469729	58469999	Chr18.58776	<i>Fbn2(-259938), Slc27a6(-86383)</i>	N/A
Chr18	58488780	58488954	Chr18.58803	<i>Fbn2(-278941), Slc27a6(-67390)</i>	N/A
Chr18	58493097	58493214	Chr18.58812	<i>Fbn2(-283230), Slc27a6(-63101)</i>	N/A
Chr18	58503039	58503342	Chr18.58816	<i>Fbn2(-293265), Slc27a6(-53066)</i>	N/A
Chr18	58839734	58840106	Chr18.59026	<i>Minar2(-222362), Adamts19(+3156)</i>	N/A
Chr18	58889846	58890108	Chr18.59046	<i>Minar2(-172305), Adamts19(+53213)</i>	N/A
Chr18	59063210	59063635	Chr18.59206	<i>Chsy3(-111978), Minar2(+1141)</i>	N/A
Chr18	59107226	59107367	Chr18.59252	<i>Chsy3(-68104), Minar2(+45015)</i>	N/A
Chr18	59961724	59961917	Chr18.59603	<i>Gm4951(-250259), Chsy3(+786420)</i>	N/A
Chr18	59975727	59975950	Chr18.59613	<i>Gm4951(-236241), Chsy3(+800438)</i>	N/A
Chr18	60059098	60051018	Chr18.59642	<i>Gm4951(-161117), Chsy3(+875562)</i>	N/A
Chr18	60070153	60070321	Chr18.59650	<i>Gm4951(-141843), Chsy3(+894836)</i>	N/A
Chr18	60481246	60481411	Chr18.59672	<i>Slim3(+20654), Igo1(+105300)</i>	N/A
Chr18	60591836	60591970	Chr18.59792	<i>Myoz3(-115)</i>	N/A
Chr18	60600431	60600612	Chr18.59801	<i>Myoz3(-8734), Synpo(+23814)</i>	N/A
Chr18	60602082	60602207	Chr18.59805	<i>Myoz3(-10357), Synpo(+22191)</i>	N/A
Chr18	60609887	60610199	Chr18.59859	<i>Myoz3(-18305), Synpo(+14243)</i>	N/A
Chr18	60618946	60620009	Chr18.59863	<i>Myoz3(-28140), Synpo(+468)</i>	N/A
Chr18	60620760	60620871	Chr18.59874	<i>Myoz3(-29028), Synpo(+3520)</i>	N/A
Chr18	60622135	60622261	Chr18.59875	<i>Myoz3(-30410), Synpo(+2138)</i>	N/A
Chr18	60625488	60625596	Chr18.59880	<i>Synpo(-1206)</i>	N/A
Chr18	60632839	60633073	Chr18.59892	<i>Synpo(-8620), Ndst1(+80433)</i>	N/A
Chr18	60643857	60644816	Chr18.59906	<i>Synpo(-24151), Ndst1(+64602)</i>	N/A
Chr18	60649112	60649217	Chr18.59911	<i>Synpo(-24529), Ndst1(+64224)</i>	N/A
Chr18	60651388	60651520	Chr18.59917	<i>Synpo(-27118), Ndst1(+61935)</i>	N/A
Chr18	11854872	11854993	Chr18.5992	<i>Cables1(+15713), Tmem241(+266547)</i>	N/A
Chr18	60652268	60652416	Chr18.59920	<i>Synpo(-28006), Ndst1(+61047)</i>	N/A
Chr18	60656276	60656380	Chr18.59928	<i>Synpo(-31952), Ndst1(+57001)</i>	N/A
Chr18	60657170	60657415	Chr18.59930	<i>Synpo(-32957), Ndst1(+58096)</i>	N/A
Chr18	60664019	60664289	Chr18.59937	<i>Synpo(-39818), Ndst1(+49235)</i>	N/A
Chr18	60674449	60674555	Chr18.59951	<i>Synpo(-50166), Ndst1(+38887)</i>	N/A
Chr18	60684679	60684786	Chr18.59954	<i>Synpo(-60397), Ndst1(+28656)</i>	N/A
Chr18	11858721	11858832	Chr18.5997	<i>Cables1(+19557), Tmem241(+262703)</i>	N/A
Chr18	60713353	60713533	Chr18.60048	<i>Ndst1(-75)</i>	N/A
Chr18	60720022	60720137	Chr18.60052	<i>Rps14(-54430), Ndst1(-6691)</i>	N/A
Chr18	60729808	60729932	Chr18.60059	<i>Rps14(-44640), Ndst1(-16481)</i>	N/A
Chr18	60732830	60732939	Chr18.60063	<i>Rps14(-41625), Ndst1(-19496)</i>	N/A
Chr18	60735587	60735744	Chr18.60066	<i>Rps14(-38844), Ndst1(-22277)</i>	N/A
Chr18	60736778	60736886	Chr18.60070	<i>Rps14(-37678), Ndst1(-23443)</i>	N/A
Chr18	60737232	60737435	Chr18.60073	<i>Rps14(-37176), Ndst1(-23945)</i>	N/A
Chr18	60752841	60753047	Chr18.60080	<i>Ndst1(-39555), Rps14(-21566)</i>	N/A
Chr18	60759030	60759147	Chr18.60085	<i>Ndst1(-45700), Rps14(-15421)</i>	N/A
Chr18	60780207	60780332	Chr18.60111	<i>Cd74(-23578), Rps14(+5760)</i>	N/A
Chr18	60783112	60783269	Chr18.60117	<i>Cd74(-20657), Rps14(+8681)</i>	N/A
Chr18	11883340	11883640	Chr18.6013	<i>Cables1(+46270), Tmem241(+235990)</i>	N/A
Chr18	60824561	60824629	Chr18.60194	<i>Csf1(+20847), Tcof1(-24234)</i>	N/A
Chr18	60859985	60860140	Chr18.60249	<i>Arsi(-51717), Tcof1(-11134)</i>	N/A
Chr18	60863174	60863281	Chr18.60251	<i>Arsi(-48552), Tcof1(-14299)</i>	N/A
Chr18	60871110	60871273	Chr18.60262	<i>Arsi(-40588), Tcof1(-22263)</i>	N/A
Chr18	60875074	60875186	Chr18.60268	<i>Arsi(-36650), Tcof1(-26207)</i>	N/A
Chr18	60880663	60880838	Chr18.60276	<i>Tcof1(-31822), Arsi(-31029)</i>	N/A
Chr18	60895449	60895572	Chr18.60293	<i>Tcof1(-46582), Arsi(-16269)</i>	N/A
Chr18	60901789	60901988	Chr18.60297	<i>Tcof1(-52960), Arsi(-9891)</i>	N/A
Chr18	60909688	60909948	Chr18.60315	<i>Arsi(-1962)</i>	N/A
Chr18	60911624	60911733	Chr18.60321	<i>Arsi(-101)</i>	N/A
Chr18	60913181	60913308	Chr18.60336	<i>Camk2a(-12373), Arsi(+1465)</i>	N/A
Chr18	60919012	60919158	Chr18.60395	<i>Camk2a(-6533), Arsi(+7305)</i>	N/A
Chr18	60922148	60922251	Chr18.60398	<i>Camk2a(-3418)</i>	N/A
Chr18	60925110	60925375	Chr18.60406	<i>Camk2a(-375)</i>	N/A
Chr18	60925445	60925846	Chr18.60410	<i>Camk2a(-28)</i>	N/A
Chr18	11915872	11916038	Chr18.6043	<i>Cables1(+76735), Tmem241(+205525)</i>	N/A
Chr18	60932593	60932706	Chr18.60431	<i>Camk2a(+7032), Slc6a7(+81549)</i>	N/A
Chr18	60947162	60947285	Chr18.60447	<i>Camk2a(+21806), Slc6a7(+66975)</i>	N/A
Chr18	60953988	60954165	Chr18.60460	<i>Camk2a(+28459), Slc6a7(+60122)</i>	N/A
Chr18	60985480	60985593	Chr18.60532	<i>Slc6a7(+28662), Camk2a(+59919)</i>	N/A
Chr18	60986432	60986614	Chr18.60537	<i>Slc6a7(+27678), Camk2a(+60905)</i>	N/A
Chr18	60987875	60987998	Chr18.60541	<i>Slc6a7(+26262), Camk2a(+62319)</i>	N/A
Chr18	61034776	61035174	Chr18.60660	<i>Slc6a7(-20778), Cdx1(+1224)</i>	N/A
Chr18	61042535	61042699	Chr18.60683	<i>Pdgfra(-253)</i>	N/A
Chr18	61048690	61048882	Chr18.60694	<i>Csf1r(-57066), Pdgfra(+3636)</i>	N/A
Chr18	61052809	61052994	Chr18.60706	<i>Csf1r(-52950), Pdgfra(+7752)</i>	N/A
Chr18	61054780	61054901	Chr18.60713	<i>Csf1r(-51011), Pdgfra(+9691)</i>	N/A
Chr18	61058901	61058903	Chr18.60717	<i>Csf1r(-47300), Pdgfra(+13402)</i>	N/A
Chr18	61058646	61058758	Chr18.60719	<i>Csf1r(-47150), Pdgfra(+13552)</i>	N/A

Chr18	61059704	61050855	Chr18.60724	Csf1r(-46072),Pdgrfb(+14630)	N/A
Chr18	61108601	61108674	Chr18.60869	Csf1r(+2886),Hmgxb3(+68312)	N/A
Chr18	61198453	61198654	Chr18.60869	Tmem241(+132926),Cables1(+149334)	N/A
Chr18	61176569	61176761	Chr18.61067	Hmgxb3(+355)	N/A
Chr18	62061189	12026410	Chr18.61110	Tmem241(+95180),Cables1(+187080)	N/A
Chr18	12048071	12048295	Chr18.61117	Tmem241(+73297),Cables1(+208963)	N/A
Chr18	61332662	61332816	Chr18.61345	Rps2-ps10(-72752),Ppaarg1b(+67692)	N/A
Chr18	61335617	61335744	Chr18.61349	Rps2-ps10(-75694),Ppaarg1b(+64750)	N/A
Chr18	61335987	61336114	Chr18.61352	Rps2-ps10(-76064),Ppaarg1b(+64380)	N/A
Chr18	61340474	61340695	Chr18.61362	Rps2-ps10(-80598),Ppaarg1b(+59846)	N/A
Chr18	61356002	61356136	Chr18.61374	Rps2-ps10(-96082),Ppaarg1b(+44362)	N/A
Chr18	61374428	61374527	Chr18.61389	Rps2-ps10(-114491),Ppaarg1b(+25953)	N/A
Chr18	61380861	61381072	Chr18.61400	Rps2-ps10(-120980),Ppaarg1b(+19464)	N/A
Chr18	61398037	61398212	Chr18.61423	Rps2-ps10(-138138),Ppaarg1b(+2306)	N/A
Chr18	61398971	61399091	Chr18.61428	Rps2-ps10(-139048),Ppaarg1b(+1399)	N/A
Chr18	61482424	61482550	Chr18.61479	Ppaarg1b(-82056),Arhgef37(+54049)	N/A
Chr18	61482581	61482730	Chr18.61484	Ppaarg1b(-82225),Arhgef37(+53880)	N/A
Chr18	12128673	12128799	Chr18.61555	Rlok3(-114)	N/A
Chr18	61550602	61550782	Chr18.61585	Cank1a1(-4592)	N/A
Chr18	61552560	61552609	Chr18.61591	Cank1a1(+451)	N/A
Chr18	61556071	61557099	Chr18.61598	II17b(-150900),Cank1a1(+1761)	N/A
Chr18	61558430	61558584	Chr18.61604	II17b(-129428),Cank1a1(+3233)	N/A
Chr18	61570161	61570278	Chr18.61617	II17b(-117715),Cank1a1(+14946)	N/A
Chr18	61571383	61571519	Chr18.61630	II17b(-116484),Cank1a1(+16177)	N/A
Chr18	61571731	61571991	Chr18.61632	II17b(-116074),Cank1a1(+16587)	N/A
Chr18	61647735	61647907	Chr18.61698	II17b(-40284),Cank1a1(+82577)	N/A
Chr18	61653395	61653520	Chr18.61703	II17b(-34477),Cank1a1(+98184)	N/A
Chr18	61655647	61655762	Chr18.61712	II17b(-32230),Cank1a1(+100431)	N/A
Chr18	61657461	61657579	Chr18.61715	II17b(-30415),Cank1a1(+102246)	N/A
Chr18	61658141	61658275	Chr18.61717	II17b(-28727),Cank1a1(+102934)	N/A
Chr18	61665356	61665765	Chr18.61726	II17b(-22374),Cank1a1(+110287)	N/A
Chr18	61682778	61682949	Chr18.61741	II17b(-5071),Cank1a1(+127590)	N/A
Chr18	61686302	61686554	Chr18.61743	II17b(-1507)	N/A
Chr18	61687487	61688012	Chr18.61747	II17b(-185)	N/A
Chr18	61759069	61759175	Chr18.61951	Gipel2(-32791),Afpap11(+27580)	N/A
Chr18	61767926	61768087	Chr18.61961	Gipel2(-41666),Afpap11(+18705)	N/A
Chr18	61790263	61790375	Chr18.61975	Afpap11(-3617)	N/A
Chr18	61827546	61827664	Chr18.62043	Afpap11(-40903),Abim3(+84219)	N/A
Chr18	61881855	61882014	Chr18.62113	Afpap11(-95233),Abim3(+29889)	N/A
Chr18	61911126	61911378	Chr18.62155	Abim3(+572)	N/A
Chr18	61952912	61953038	Chr18.62170	Sh3c2(-100)	N/A
Chr18	61953437	61953555	Chr18.62177	Sh3c2(+421)	N/A
Chr18	62148185	62148344	Chr18.62380	Adrb2(-31684),Sh3c2(+195190)	N/A
Chr18	62162234	62162343	Chr18.62397	Adrb2(+17670),Sh3c2(+209214)	N/A
Chr18	62175318	62175432	Chr18.62421	Gm9949(-4751),Adrb2(+4584)	N/A
Chr18	62176546	62176659	Chr18.62426	Gm9949(-3523),Adrb2(+3356)	N/A
Chr18	62215557	62215679	Chr18.62491	HR4(-108586),Gm9949(+35492)	N/A
Chr18	62231561	62231732	Chr18.62506	HR4(-92557),Gm9949(+51521)	N/A
Chr18	62704147	62704290	Chr18.62782	Spink7(-107955),Spink13(+37168)	N/A
Chr18	62718180	62718313	Chr18.62790	Spink7(-121983),Spink13(+23140)	N/A
Chr18	62728345	62728444	Chr18.62792	Spink7(-132131),Spink13(+12992)	N/A
Chr18	62741023	62741173	Chr18.62797	Spink13(+289)	N/A
Chr18	62741202	62741331	Chr18.62800	Spink13(+120)	N/A
Chr18	62755243	62755459	Chr18.62803	2700046a07rk(+998)	N/A
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Chr18	62769136	62769237	Chr18.62819	Apccdl1(-153140),2700046a07rk(-12840)	N/A
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Chr18	62823465	62823636	Chr18.62851	Apccdl1(-98769),2700046a07rk(-67214)	N/A
Chr18	62837601	62837706	Chr18.62859	Apccdl1(-94673),2700046a07rk(-81307)	N/A
Chr18	62847214	62847321	Chr18.62862	2700046a07rk(-90921),Apccdl1(-75059)	N/A
Chr18	62848431	62848585	Chr18.62867	2700046a07rk(-92161),Apccdl1(-73819)	N/A
Chr18	62848617	62848730	Chr18.62868	2700046a07rk(-92327),Apccdl1(-73653)	N/A
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Chr18	62903426	62903543	Chr18.62898	2700046a07rk(-147138),Apccdl1(-18842)	N/A
Chr18	62923745	62923940	Chr18.62923	Nagpl(-53993),Apccdl1(+1516)	N/A
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Chr18	62934281	62934591	Chr18.62944	Nagpl(-43400),Apccdl1(+12109)	N/A
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Chr18	63201374	63201492	Chr18.63420	Piezo2(+185750),Nagpl(+223597)	N/A
Chr18	63241994	63242146	Chr18.63436	Piezo2(+145113),Nagpl(+264234)	N/A
Chr18	63243241	63243447	Chr18.63443	Piezo2(+143839),Nagpl(+265508)	N/A
Chr18	63299630	63299947	Chr18.63465	Piezo2(-87294),Nagpl(-32053)	N/A
Chr18	63864033	63864504	Chr18.63802	Stbaia3(-390090),Wdr7(+155574)	N/A
Chr18	64013996	64014231	Chr18.64006	Stbaia3(-240245),Wdr7(+305419)	N/A
Chr18	64014573	64014691	Chr18.64013	Stbaia3(-239727),Wdr7(+305937)	N/A
Chr18	64014919	64015116	Chr18.64016	Stbaia3(-239341),Wdr7(+306323)	N/A
Chr18	64017692	64017802	Chr18.64029	Stbaia3(-236612),Wdr7(+306552)	N/A
Chr18	64265008	64265141	Chr18.64303	Oncut2(-75289),Stbaia3(+10716)	N/A
Chr18	64196581	64196716	Chr18.844	Lyzt1(-20817),Map3k8(+166304)	N/A
Chr18	64342670	64342987	Chr18.64438	Oncut2(+2465),Fechl(+146237)	N/A
Chr18	64466453	64466681	Chr18.64707	Fechl(+22499),Oncut2(+126203)	N/A
Chr18	64480422	64480615	Chr18.64739	Fechl(+8547),Oncut2(+140155)	N/A
Chr18	64483454	64483555	Chr18.64751	Fechl(+5561),Oncut2(+143141)	N/A
Chr18	64493011	64493152	Chr18.64758	Fechl(-4018)	N/A
Chr18	64628073	64628201	Chr18.64997	Nars(-111580),Atp8b1(+32863)	N/A
Chr18	64769552	64770148	Chr18.65033	Nedd4l(-117706),Atp8b1(-109050)	N/A
Chr18	64886928	64887067	Chr18.65085	Nedd4l(-758)	N/A
Chr18	64888728	64888934	Chr18.65090	Nedd4l(-1025),Alpk2(+505106)	N/A
Chr18	64898987	64899158	Chr18.65096	Nedd4l(+1317),Alpk2(+50481)	N/A
Chr18	64933319	64933474	Chr18.65107	Nedd4l(+45641),Alpk2(+460490)	N/A
Chr18	65050837	65051007	Chr18.65157	Nedd4l(+163166),Alpk2(+342965)	N/A
Chr18	65082142	65082274	Chr18.65182	Nedd4l(+194452),Alpk2(+311679)	N/A
Chr18	65083213	65083371	Chr18.65189	Nedd4l(+185536),Alpk2(+310595)	N/A
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Chr18	65084245	65084466	Chr18.65204	Nedd4l(+196600),Alpk2(+309531)	N/A
Chr18	65095792	65095908	Chr18.65234	Nedd4l(+208094),Alpk2(+298037)	N/A
Chr18	65175824	65176010	Chr18.65333	Alpk2(+217970),Nedd4l(+288161)	N/A
Chr18	65559885	65559987	Chr18.65724	Zfp532(-20294),Malt1(+128973)	N/A
Chr18	65560039	65560157	Chr18.65725	Zfp532(-20132),Malt1(+129135)	N/A
Chr18	65560201	65560350	Chr18.65726	Zfp532(-19954),Malt1(+129313)	N/A
Chr18	65563888	65564026	Chr18.65733	Zfp532(-16273),Malt1(+132994)	N/A
Chr18	65571546	65571650	Chr18.65740	Zfp532(-8632),Malt1(+140635)	N/A
Chr18	65577981	65578092	Chr18.65743	Zfp532(-2193)	N/A
Chr18	65578227	65578378	Chr18.65746	Zfp532(-1927)	N/A
Chr18	65579076	65579253	Chr18.65753	Zfp532(-1065)	N/A
Chr18	65580161	65580549	Chr18.65762	Zfp532(+125)	N/A
Chr18	65581780	65581934	Chr18.65764	Oacyl(-116411),Zfp532(+1627)	N/A
Chr18	65582113	65582477	Chr18.65765	Oacyl(-115973),Zfp532(+2065)	N/A
Chr18	65582628	65582745	Chr18.65767	Oacyl(-115581),Zfp532(+20457)	N/A
Chr18	65582816	65583036	Chr18.65768	Oacyl(-115542),Zfp532(+2696)	N/A
Chr18	65583214	65583329	Chr18.65771	Oacyl(-114996),Zfp532(+3042)	N/A
Chr18	65583533	65583654	Chr18.65775	Oacyl(-114674),Zfp532(+3364)	N/A
Chr18	65583796	65583928	Chr18.65778	Oacyl(-114406),Zfp532(+3632)	N/A
Chr18	65584325	65584482	Chr18.65786	Oacyl(-113864),Zfp532(+174)	N/A
Chr18	65584796	65584932	Chr18.65790	Oacyl(-113404),Zfp532(+4634)	N/A
Chr18	65588888	65588998	Chr18.65974	Oacyl(-9325),Zfp532(+108713)	N/A
Chr18	65970191	65970341	Chr18.66237	Cplx4(-88)	N/A
Chr18	66002597	66002734	Chr18.66306	Lman1(-29)	N/A
Chr18	66015303	66015453	Chr18.66313	Lman1(-12741),Ccbe1(+276460)	N/A
Chr18	66015705	66015833	Chr18.66317	Lman1(-13132),Ccbe1(+276069)	N/A
Chr18	66022717	66023112	Chr18.66324	Lman1(-20278),Ccbe1(+268923)	N/A
Chr18	66023593	66023775	Chr18.66330	Lman1(-21047),Ccbe1(+268154)	N/A
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Chr18	67133814	67133976	Chr18.66721	Gnal(+65559),Mppe1(+111935)	N/A
Chr18	67204664	67204792	Chr18.66755	Mppe1(+41102),Gnal(+116392)	N/A
Chr18	67498000	67498170	Chr18.67090	Preid3a(+33236),Spire1(+54636)	N/A
Chr18	67570989	67571162	Chr18.67148	Gm17669(+8689),Cep76(+70260)	N/A
Chr18	67606233	67606353	Chr18.67170	Cep76(-35043),Gm17669(+43906)	N/A
Chr18	67793301	67793296	Chr18.67310	Cep192(-6923),Snh1(+18308)	N/A
Chr18	67794782	67794899	Chr18.67318	Cep192(-5266),Snh1(-19965)	N/A

Chr18		67897199	67897490	Chr18.67492	Ldrrad4(-35912), Cep192(+97238)	N/A
Chr18		67937202	67937625	Chr18.67507	Ldrrad4(+4157), Fam210a(+362919)	N/A
Chr18		67937930	67938093	Chr18.67511	Ldrrad4(+4733), Fam210a(+362321)	N/A
Chr18		67938469	67938629	Chr18.67514	Ldrrad4(+5332), Fam210a(+361784)	N/A
Chr18		67954673	67954806	Chr18.67517	Ldrrad4(+21483), Fam210a(+345593)	N/A
Chr18		67990818	67991013	Chr18.67529	Ldrrad4(+57659), Fam210a(+309417)	N/A
Chr18		67991169	67991286	Chr18.67532	Ldrrad4(+57971), Fam210a(+309105)	N/A
Chr18		68007613	68007713	Chr18.67545	Ldrrad4(+74406), Fam210a(+292670)	N/A
Chr18		68009968	68010104	Chr18.67550	Ldrrad4(+78770), Fam210a(+290297)	N/A
Chr18		68055955	68056079	Chr18.67574	Ldrrad4(+122760), Fam210a(+244316)	N/A
Chr18		12503922	12504176	Chr18.6758	Ttc39c(-139295), Lama3(+170025)	N/A
Chr18		68059490	68059666	Chr18.67580	Ldrrad4(+126321), Fam210a(+240755)	N/A
Chr18		68064498	68064691	Chr18.67587	Ldrrad4(+131338), Fam210a(+235738)	N/A
Chr18		68101382	68101582	Chr18.67592	Ldrrad4(+168225), Fam210a(+198651)	N/A
Chr18		68117452	68117678	Chr18.67600	Fam210a(+182768), Ldrrad4(+184308)	N/A
Chr18		68117782	68117965	Chr18.67603	Fam210a(+182469), Ldrrad4(+184607)	N/A
Chr18		68124670	68124837	Chr18.67608	Fam210a(+175579), Ldrrad4(+191497)	N/A
Chr18		68131281	68131457	Chr18.67615	Fam210a(+168964), Ldrrad4(+198112)	N/A
Chr18		68140748	68140921	Chr18.67620	Fam210a(+159498), Ldrrad4(+207578)	N/A
Chr18		68157448	68157723	Chr18.67643	Fam210a(+142747), Ldrrad4(+224329)	N/A
Chr18		12504293	12504399	Chr18.6766	Ttc39c(-139013), Lama3(+170007)	N/A
Chr18		68194583	68194692	Chr18.67669	Fam210a(+105695), Ldrrad4(+261381)	N/A
Chr18		68214890	68214996	Chr18.67677	Fam210a(+85390), Ldrrad4(+281686)	N/A
Chr18		68215051	68215216	Chr18.67681	Fam210a(+85199), Ldrrad4(+281877)	N/A
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Chr18		68502410	68503013	Chr18.67843	Mc2r(-73461), 4930546c10n(+447429)	N/A
Chr18		12513292	12513396	Chr18.6790	Ttc39c(-130000), Lama3(+179320)	N/A
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Chr18		68603011	68603125	Chr18.67986	Mc2r(-173817), 4930546c10n(+347073)	N/A
Chr18		68627439	68627555	Chr18.68008	Mc2r(-198246), 4930546c10n(+322644)	N/A
Chr18		68639428	68639791	Chr18.68039	Mc2r(-210359), 4930546c10n(+310531)	N/A
Chr18		68653433	68654509	Chr18.68047	Mc2r(-225175), 4930546c10n(+295715)	N/A
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Chr18		68765517	68765749	Chr18.68236	Mc2r(-326832), 4930546c10n(+184509)	N/A
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Chr18		68832362	68832555	Chr18.68308	Mc2r(-403208), 4930546c10n(+117682)	N/A
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Chr18		68955597	68955703	Chr18.68506	Tcf4(-388860), 4930546c10n(-5509)	N/A
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Chr18		68965949	68966788	Chr18.68534	Tcf4(-374643), 4930546c10n(-19527)	N/A
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Chr18		69045205	69045355	Chr18.68631	Tcf4(-299230), 4930546c10n(-95139)	N/A
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Chr18		69077099	69077868	Chr18.68681	Tcf4(-266726), 4930546c10n(-127643)	N/A
Chr18		69086477	69086940	Chr18.68703	Tcf4(-257801), 4930546c10n(-136568)	N/A
Chr18		69088709	69088834	Chr18.68709	Tcf4(-255738), 4930546c10n(-138631)	N/A
Chr18		69113367	69113640	Chr18.68736	Tcf4(-231008), 4930546c10n(-163363)	N/A
Chr18		69118299	69118445	Chr18.68761	Tcf4(-226138), 4930546c10n(-168231)	N/A
Chr18		69119819	69119947	Chr18.68763	Tcf4(-225277), 4930546c10n(-168642)	N/A
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Chr18		69131106	69131222	Chr18.68826	Tcf4(-213346), 4930546c10n(-181023)	N/A
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Chr18		69144226	69144389	Chr18.68866	Tcf4(-202022), 4930546c10n(-194167)	N/A
Chr18		69344766	69345066	Chr18.69078	Tcf4(+406)	N/A
Chr18		69345101	69345430	Chr18.69079	Tcf4(+756)	N/A
Chr18		69347441	69347574	Chr18.69092	Ccdc68(-577958), Tcf4(+2998)	N/A
Chr18		69348266	69348482	Chr18.69101	Ccdc68(-577102), Tcf4(+3854)	N/A
Chr18		69348993	69348874	Chr18.69102	Ccdc68(-576732), Tcf4(+4224)	N/A
Chr18		69348918	69349281	Chr18.69105	Ccdc68(-576366), Tcf4(+4590)	N/A
Chr18		69349457	69349654	Chr18.69112	Ccdc68(-575910), Tcf4(+5046)	N/A
Chr18		69349709	69349853	Chr18.69116	Ccdc68(-575685), Tcf4(+5271)	N/A
Chr18		69350040	69350196	Chr18.69118	Ccdc68(-575348), Tcf4(+5608)	N/A
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Chr18		69415477	69415881	Chr18.69262	Ccdc68(-509787), Tcf4(+71169)	N/A
Chr18		69420808	69421069	Chr18.69279	Ccdc68(-504527), Tcf4(+76429)	N/A
Chr18		69423626	69423943	Chr18.69286	Ccdc68(-501581), Tcf4(+79379)	N/A
Chr18		69428320	69428434	Chr18.69301	Ccdc68(-497089), Tcf4(+83867)	N/A
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Chr18		69577056	69577442	Chr18.69673	Ccdc68(-348217), Tcf4(+232739)	N/A
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Chr18	69605828	69605968	Chr18.69794	Ccdc68(-318569), Tcf4(+263537)	N/A
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Chr18	69779545	69779760	Chr18.70173	Ccdc68(-145813), Tcf4(+435143)	N/A
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Chr18	70564588	70564702	Chr18.70749	Mbd2(-3544)	N/A
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Chr18	72023175	72023274	Chr18.72142	Dcc(+327844)	N/A
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Chr18	73163882	73164107	Chr18.73113	Dcc(-612926), Mex3c(-409049)	N/A
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Chr18	73351904	73352123	Chr18.73200	Mex3c(-221030)	N/A
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Chr18	75050637	75050760	Chr18.74495	Smad7(-316830), Dym(+31927)	N/A
Chr18	75050809	75050926	Chr18.74496	Smad7(-316661), Dym(+32096)	N/A
Chr18	75067303	75067502	Chr18.74503	Smad7(-300126), Dym(+48631)	N/A
Chr18	75105392	75105611	Chr18.74524	Smad7(-262027), Dym(+86730)	N/A
Chr18	75133719	75133882	Chr18.74547	Smad7(-233728), Dym(+115029)	N/A
Chr18	75162427	75162702	Chr18.74577	Smad7(-204964), Dym(+143793)	N/A
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Chr18	75171100	75171449	Chr18.74588	Smad7(-196254), Dym(+152503)	N/A
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Chr18	75263135	75263312	Chr18.74669	Smad7(-104305), Dym(+244532)	N/A
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Chr18	75319637	75319923	Chr18.74709	Smad7(-47749), Dym(+301008)	N/A

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Chr18	75325227	75325497	Chr18.74716	<i>Smad7(-42167),Dym(+306590)</i>	N/A
Chr18	75332155	75332698	Chr18.74722	<i>Smad7(-36152),Dym(+313605)</i>	N/A
Chr18	75343610	75343720	Chr18.74731	<i>Smad7(-23864),Dym(+324693)</i>	N/A
Chr18	75343999	75344104	Chr18.74733	<i>Smad7(-23477),Dym(+325280)</i>	N/A
Chr18	75344572	75344751	Chr18.74740	<i>Smad7(-22867),Dym(+325890)</i>	N/A
Chr18	13305532	13305990	Chr18.7475	<i>Hhh4(+298771),Zlp521(+666972)</i>	N/A
Chr18	75364326	75364435	Chr18.74755	<i>Smad7(-3148)</i>	N/A
Chr18	75364512	75364622	Chr18.74759	<i>Smad7(-2962)</i>	N/A
Chr18	75366715	75366814	Chr18.74764	<i>Smad7(-764)</i>	N/A
Chr18	75367101	75367244	Chr18.74766	<i>Smad7(-356)</i>	N/A
Chr18	75368082	75368445	Chr18.74770	<i>Smad7(+735)</i>	N/A
Chr18	75370678	75370817	Chr18.74780	<i>Smad7(+3219),Ctlf(+326948)</i>	N/A
Chr18	75371491	75371618	Chr18.74782	<i>Smad7(+4026),Ctlf(+326141)</i>	N/A
Chr18	75371859	75372157	Chr18.74786	<i>Smad7(+4479),Ctlf(+325688)</i>	N/A
Chr18	75372413	75372638	Chr18.74792	<i>Smad7(+4997),Ctlf(+325170)</i>	N/A
Chr18	75374012	75374248	Chr18.74797	<i>Smad7(+6601),Ctlf(+323566)</i>	N/A
Chr18	75375014	75375131	Chr18.74803	<i>Smad7(+7544),Ctlf(+322623)</i>	N/A
Chr18	75375553	75375785	Chr18.74806	<i>Smad7(+8140),Ctlf(+322027)</i>	N/A
Chr18	75377243	75377363	Chr18.74813	<i>Smad7(+9774),Ctlf(+320393)</i>	N/A
Chr18	75377521	75377691	Chr18.74815	<i>Smad7(+10077),Ctlf(+320090)</i>	N/A
Chr18	75378547	75378795	Chr18.74818	<i>Smad7(+11142),Ctlf(+319025)</i>	N/A
Chr18	75378975	75379105	Chr18.74821	<i>Smad7(+11511),Ctlf(+318656)</i>	N/A
Chr18	75382170	75382365	Chr18.74825	<i>Smad7(+14739),Ctlf(+315428)</i>	N/A
Chr18	75383580	75383742	Chr18.74836	<i>Smad7(+16132),Ctlf(+314035)</i>	N/A
Chr18	75386214	75386342	Chr18.74839	<i>Smad7(+18749),Ctlf(+311418)</i>	N/A
Chr18	75387367	75387649	Chr18.74845	<i>Smad7(+19979),Ctlf(+310188)</i>	N/A
Chr18	75390245	75390386	Chr18.74852	<i>Smad7(+22787),Ctlf(+307380)</i>	N/A
Chr18	75390429	75390579	Chr18.74855	<i>Smad7(+22975),Ctlf(+307192)</i>	N/A
Chr18	75391797	75391912	Chr18.74863	<i>Smad7(+24326),Ctlf(+305841)</i>	N/A
Chr18	75392546	75392684	Chr18.74866	<i>Smad7(+25078),Ctlf(+305091)</i>	N/A
Chr18	75398522	75398708	Chr18.74886	<i>Smad7(+31086),Ctlf(+299081)</i>	N/A
Chr18	75400715	75400844	Chr18.74890	<i>Smad7(+33251),Ctlf(+296916)</i>	N/A
Chr18	75405705	75405872	Chr18.74893	<i>Smad7(+38260),Ctlf(+291907)</i>	N/A
Chr18	75411939	75412121	Chr18.74899	<i>Smad7(+44501),Ctlf(+285666)</i>	N/A
Chr18	75423256	75423604	Chr18.74903	<i>Smad7(+55901),Ctlf(+274268)</i>	N/A
Chr18	75434573	75434751	Chr18.74904	<i>Smad7(+67133),Ctlf(+263034)</i>	N/A
Chr18	75441881	75442126	Chr18.74935	<i>Smad7(+74475),Ctlf(+255692)</i>	N/A
Chr18	75445420	75445666	Chr18.74943	<i>Smad7(+78014),Ctlf(+252153)</i>	N/A
Chr18	75447130	75447386	Chr18.74946	<i>Smad7(+79729),Ctlf(+250438)</i>	N/A
Chr18	75448263	75448369	Chr18.74954	<i>Smad7(+80787),Ctlf(+249380)</i>	N/A
Chr18	75449814	75449979	Chr18.74957	<i>Smad7(+82368),Ctlf(+247799)</i>	N/A
Chr18	75456709	75456996	Chr18.74967	<i>Smad7(+89324),Ctlf(+240843)</i>	N/A
Chr18	75457066	75457376	Chr18.74971	<i>Smad7(+89692),Ctlf(+240475)</i>	N/A
Chr18	75462625	75462841	Chr18.74975	<i>Smad7(+95204),Ctlf(+234963)</i>	N/A
Chr18	75463070	75463237	Chr18.74977	<i>Smad7(+95625),Ctlf(+234542)</i>	N/A
Chr18	75465323	75465185	Chr18.74982	<i>Smad7(+97575),Ctlf(+232592)</i>	N/A
Chr18	13318210	13318502	Chr18.7499	<i>Hhh4(+311366),Zlp521(+654377)</i>	N/A
Chr18	75478729	75479047	Chr18.74993	<i>Smad7(+111359),Ctlf(+218808)</i>	N/A
Chr18	75484451	75484565	Chr18.75002	<i>Smad7(+116979),Ctlf(+213188)</i>	N/A
Chr18	75489221	75489448	Chr18.75004	<i>Smad7(+121806),Ctlf(+208361)</i>	N/A
Chr18	75492752	75492930	Chr18.75012	<i>Smad7(+125312),Ctlf(+204855)</i>	N/A
Chr18	75494977	75495124	Chr18.75020	<i>Smad7(+127652),Ctlf(+202645)</i>	N/A
Chr18	13318705	13319078	Chr18.7503	<i>Hhh4(+311902),Zlp521(+653841)</i>	N/A
Chr18	75510985	75511223	Chr18.75042	<i>Smad7(+143575),Ctlf(+186592)</i>	N/A
Chr18	75511357	75511483	Chr18.75050	<i>Smad7(+143891),Ctlf(+186276)</i>	N/A
Chr18	75514521	75514714	Chr18.75059	<i>Smad7(+147089),Ctlf(+183078)</i>	N/A
Chr18	75518276	75518399	Chr18.75064	<i>Smad7(+150809),Ctlf(+179359)</i>	N/A
Chr18	13322504	13323039	Chr18.7509	<i>Hhh4(+316862),Zlp521(+649761)</i>	N/A
Chr18	75525590	75525748	Chr18.75094	<i>Smad7(+158140),Ctlf(+172027)</i>	N/A
Chr18	75528671	75528801	Chr18.75102	<i>Smad7(+161207),Ctlf(+168960)</i>	N/A
Chr18	75537997	75538228	Chr18.75107	<i>Ctlf(+159583),Smad7(+170584)</i>	N/A
Chr18	75554733	75555046	Chr18.75113	<i>Ctlf(+142806),Smad7(+187361)</i>	N/A
Chr18	75560373	75560560	Chr18.75119	<i>Ctlf(+131225),Smad7(+188492)</i>	N/A
Chr18	75563937	75564090	Chr18.75141	<i>Ctlf(+105682),Smad7(+226485)</i>	N/A
Chr18	13335262	13335373	Chr18.7517	<i>Hhh4(+328328),Zlp521(+637415)</i>	N/A
Chr18	75667277	75667381	Chr18.75182	<i>Ctlf(+30367),Smad7(+299800)</i>	N/A
Chr18	75690260	75690405	Chr18.75187	<i>Ctlf(+7363),Smad7(+322804)</i>	N/A
Chr18	75690865	75691061	Chr18.75191	<i>Ctlf(-733)</i>	N/A
Chr18	75697615	75697793	Chr18.75198	<i>Ctlf(-8)</i>	N/A
Chr18	75698145	75698262	Chr18.75200	<i>Ctlf(-508)</i>	N/A
Chr18	75715949	75716225	Chr18.75214	<i>Zbtb7c(-104091),Ctlf(-18391)</i>	N/A
Chr18	75724447	75724651	Chr18.75223	<i>Zbtb7c(-95629),Ctlf(-26853)</i>	N/A
Chr18	75775784	75775907	Chr18.75231	<i>Ctlf(-78150),Zbtb7c(-44332)</i>	N/A
Chr18	13348092	13348230	Chr18.75234	<i>Hhh4(+341171),Zlp521(+624572)</i>	N/A
Chr18	75819464	75819570	Chr18.75253	<i>Zbtb7c(-661)</i>	N/A
Chr18	75819607	75819764	Chr18.75257	<i>Zbtb7c(-492)</i>	N/A
Chr18	75835517	75835660	Chr18.75294	<i>Smad2(-405991),Zbtb7c(+15411)</i>	N/A
Chr18	75859320	75859435	Chr18.75307	<i>Smad2(-382202),Zbtb7c(+39200)</i>	N/A
Chr18	75860243	75860519	Chr18.75328	<i>Smad2(-345201),Zbtb7c(+76201)</i>	N/A
Chr18	75901599	75901834	Chr18.75335	<i>Smad2(-339863),Zbtb7c(+81539)</i>	N/A
Chr18	75926495	75926679	Chr18.75376	<i>Smad2(-314993),Zbtb7c(+106409)</i>	N/A
Chr18	75938805	75937017	Chr18.75393	<i>Smad2(-304669),Zbtb7c(+116733)</i>	N/A
Chr18	75959155	75959272	Chr18.75399	<i>Smad2(-282368),Zbtb7c(+139036)</i>	N/A
Chr18	75982842	75982987	Chr18.75413	<i>Smad2(-258665),Zbtb7c(+162737)</i>	N/A
Chr18	75983275	75983540	Chr18.75416	<i>Smad2(-258172),Zbtb7c(+163290)</i>	N/A
Chr18	76011148	76011422	Chr18.75435	<i>Smad2(-230295),Zbtb7c(+191107)</i>	N/A
Chr18	76011532	76011706	Chr18.75437	<i>Smad2(-229961),Zbtb7c(+191441)</i>	N/A
Chr18	76059322	76059545	Chr18.75483	<i>Smad2(-182146),Zbtb7c(+239256)</i>	N/A
Chr18	76063130	76063379	Chr18.75491	<i>Smad2(-178325),Zbtb7c(+243077)</i>	N/A
Chr18	76070130	76070235	Chr18.75502	<i>Smad2(-171397),Zbtb7c(+250005)</i>	N/A
Chr18	7608107	76081212	Chr18.75515	<i>Smad2(-153420),Zbtb7c(+267965)</i>	N/A
Chr18	76111159	76111358	Chr18.75536	<i>Smad2(-130321),Zbtb7c(+291081)</i>	N/A
Chr18	76128156	76128373	Chr18.75555	<i>Smad2(-113151),Zbtb7c(+308087)</i>	N/A
Chr18	13373673	13374170	Chr18.7563	<i>Hhh4(+366932),Zlp521(+598811)</i>	N/A
Chr18	76241489	76241623	Chr18.75650	<i>Smad2(-24)</i>	N/A
Chr18	13374273	13374418	Chr18.75667	<i>Hhh4(+367586),Zlp521(+598387)</i>	N/A
Chr18	76354835	76354959	Chr18.75742	<i>Skor2(-501508),Smad2(+113317)</i>	N/A
Chr18	76379001	76379167	Chr18.75757	<i>Skor2(-477321),Smad2(+137504)</i>	N/A
Chr18	76379202	76379317	Chr18.75758	<i>Skor2(-477145),Smad2(+137680)</i>	N/A
Chr18	76393117	76393217	Chr18.75779	<i>Skor2(-463238),Smad2(+151587)</i>	N/A
Chr18	76408531	76407023	Chr18.75807	<i>Skor2(-449478),Smad2(+165347)</i>	N/A
Chr18	76448295	76448579	Chr18.75861	<i>Skor2(-407968),Smad2(+206857)</i>	N/A
Chr18	76533541	76533705	Chr18.75891	<i>Skor2(-322782),Smad2(+292043)</i>	N/A
Chr18	76533750	76533859	Chr18.75892	<i>Skor2(-322600),Smad2(+292225)</i>	N/A
Chr18	76542814	76543071	Chr18.75897	<i>Skor2(-313462),Smad2(+301363)</i>	N/A
Chr18	13389857	13389104	Chr18.7590	<i>Hhh4(+362041),Zlp521(+583702)</i>	N/A
Chr18	76544138	76544253	Chr18.75904	<i>Skor2(-312209),Smad2(+302616)</i>	N/A
Chr18	13398327	13398508	Chr18.7594	<i>Hhh4(+362428),Zlp521(+583315)</i>	N/A
Chr18	13390237	13390724	Chr18.7599	<i>Hhh4(+383491),Zlp521(+582252)</i>	N/A
Chr18	76625244	76625391	Chr18.76005	<i>Skor2(-231087),Smad2(+383738)</i>	N/A
Chr18	76678060	76678356	Chr18.76047	<i>Skor2(-178197),Smad2(+436628)</i>	N/A
Chr18	76762614	76762842	Chr18.76167	<i>Skor2(-93677),Smad2(+521148)</i>	N/A
Chr18	13397434	13397644	Chr18.7617	<i>Hhh4(+390549),Zlp521(+557194)</i>	N/A
Chr18	76847266	76847382	Chr18.76240	<i>Skor2(-9081),Smad2(+405744)</i>	N/A
Chr18	76856045	76856231	Chr18.76263	<i>Skor2(-267)</i>	N/A
Chr18	76856332	76856444	Chr18.76264	<i>Skor2(-17)</i>	N/A
Chr18	13405630	13405834	Chr18.7632	<i>Hhh4(+398742),Zlp521(+567001)</i>	N/A
Chr18	13405902	13406128	Chr18.7634	<i>Hhh4(+399423),Zlp521(+566718)</i>	N/A
Chr18	76971461	76971713	Chr18.76463	<i>Hhh4(-27179),Katnad2(+75699)</i>	N/A
Chr18	77154510	77154621	Chr18.76627	<i>S8aia5(-31413),Pias2(+89358)</i>	N/A
Chr18	77316595	77316720	Chr18.76715	<i>Loxhd1(+34700),Rnf165(+248478)</i>	N/A
Chr18	13440436	13440765	Chr18.7674	<i>Hhh4(+433611),Zlp521(+532132)</i>	N/A
Chr18	77501871	77502054	Chr18.76996	<i>Rnf165(+63173),Loxhd1(+220055)</i>	N/A
Chr18	77533066	77533196	Chr18.77010	<i>Rnf165(+32008),Loxhd1(+251173)</i>	N/A
Chr18	77552978	77553084	Chr18.77026	<i>Rnf165(+12105),Loxhd1(+271073)</i>	N/A
Chr18	77560140	77560259	Chr18.77033	<i>Rnf165(+4936),Loxhd1(+278242)</i>	N/A
Chr18	77560409	77560550	Chr18.77039	<i>Rnf165(+4656),Loxhd1(+278522)</i>	N/A
Chr18	77561508	77562076	Chr18.77046	<i>Rnf165(+3344),Loxhd1(+279834)</i>	N/A
Chr18	77562173	77562383	Chr18.77048	<i>Rnf165(+2858),Loxhd1(+280320)</i>	N/A
Chr18	77562506	77562941	Chr18.77049	<i>Rnf165(+2412),Loxhd1(+280766)</i>	N/A
Chr18	77563098	77563259	Chr18.77055	<i>Rnf165(+1957),Loxhd1(+281221)</i>	N/A
Chr18	77563298	77563624	Chr18.77057	<i>Rnf165(+1675),Loxhd1(+281503)</i>	N/A
Chr18	77563913	77564169	Chr18.77062	<i>Rnf165(+1095),Loxhd1(+282083)</i>	N/A
Chr18	77565559	77565773	Chr18.77072	<i>Rnf165(-530)</i>	N/A
Chr18	77712596	77712739	Chr18.77176	<i>Rnf165(-141432),Haus1(+55112)</i>	N/A
Chr18	77713913	77714033	Chr18.77177	<i>Rnf165(-148837),Haus1(+53807)</i>	N/A

Chr18	77732507	77732658	Chr18.771183	Rnf165(-167447),Haus1(+35197)	N/A
Chr18	77733441	77733560	Chr18.771188	Rnf165(-168365),Haus1(+34279)	N/A
Chr18	13459053	13459212	Chr18.771727	Hrh4(+452143),Zfp521(+513600)	N/A
Chr18	13459648	13459787	Chr18.771734	Hrh4(+452728),Zfp521(+513015)	N/A
Chr18	78097536	78097687	Chr18.771544	Siglec15(-40217),Slc14a1(+25719)	N/A
Chr18	78179396	78179516	Chr18.77721	Slc14a1(-56125),Slc14a2(+29638)	N/A
Chr18	13483976	13484153	Chr18.77775	Hrh4(+477075),Zfp521(+488668)	N/A
Chr18	78213591	78213796	Chr18.77800	Slc14a2(-4601)	N/A
Chr18	78225925	78226196	Chr18.77824	Gm6133(-123693),Slc14a2(-16967)	N/A
Chr18	78243712	78243969	Chr18.77853	Gm6133(-105913),Slc14a2(-34747)	N/A
Chr18	78255949	78256105	Chr18.77866	Gm6133(-93727),Slc14a2(-46933)	N/A
Chr18	78259685	78260003	Chr18.77870	Gm6133(-89910),Slc14a2(-50750)	N/A
Chr18	78260064	78260221	Chr18.77874	Gm6133(-89611),Slc14a2(-51049)	N/A
Chr18	78267513	78267814	Chr18.77880	Gm6133(-82090),Slc14a2(-58570)	N/A
Chr18	78276708	78276847	Chr18.77887	Gm6133(-72976),Slc14a2(-67684)	N/A
Chr18	78300728	78301174	Chr18.77922	Slc14a2(-91857),Gm6133(-49803)	N/A
Chr18	78311488	78311794	Chr18.77944	Slc14a2(-102547),Gm6133(-38113)	N/A
Chr18	78312809	78313244	Chr18.77950	Slc14a2(-103933),Gm6133(-36727)	N/A
Chr18	78333903	78334029	Chr18.77978	Slc14a2(-124872),Gm6133(-15788)	N/A
Chr18	13499497	13499606	Chr18.77998	Zfp521(+473180),Hrh4(+492563)	N/A
Chr18	78337557	78337870	Chr18.77980	Slc14a2(-128620),Gm6133(-12040)	N/A
Chr18	78357645	78357764	Chr18.78023	Gm6133(+7951),Setbp1(+75168)	N/A
Chr18	78358901	78359062	Chr18.78024	Gm6133(+9228),Setbp1(+750409)	N/A
Chr18	78369511	78369612	Chr18.78045	Gm6133(+19808),Setbp1(+739829)	N/A
Chr18	78373042	78373194	Chr18.78054	Gm6133(+23364),Setbp1(+736273)	N/A
Chr18	78378555	78378742	Chr18.78068	Gm6133(+28895),Setbp1(+730742)	N/A
Chr18	78378790	78379147	Chr18.78070	Gm6133(+29215),Setbp1(+730422)	N/A
Chr18	78397895	78398048	Chr18.78087	Gm6133(+48218),Setbp1(+711419)	N/A
Chr18	78431281	78431384	Chr18.78102	Gm6133(+81579),Setbp1(+678058)	N/A
Chr18	78432237	78432551	Chr18.78105	Gm6133(+82640),Setbp1(+676997)	N/A
Chr18	78446797	78446899	Chr18.78123	Gm6133(+97094),Setbp1(+662543)	N/A
Chr18	78448223	78448474	Chr18.78129	Gm6133(+98645),Setbp1(+660982)	N/A
Chr18	78448630	78448843	Chr18.78127	Gm6133(+98983),Setbp1(+660554)	N/A
Chr18	78470836	78470946	Chr18.78171	Gm6133(+121137),Setbp1(+638500)	N/A
Chr18	78474642	78474839	Chr18.78187	Gm6133(+124987),Setbp1(+634650)	N/A
Chr18	78478139	78478333	Chr18.78194	Gm6133(+128482),Setbp1(+631155)	N/A
Chr18	78484828	78485006	Chr18.78198	Gm6133(+135163),Setbp1(+624474)	N/A
Chr18	78485057	78485246	Chr18.78202	Gm6133(+135398),Setbp1(+624239)	N/A
Chr18	78488629	78489012	Chr18.78208	Gm6133(+139067),Setbp1(+620570)	N/A
Chr18	78489055	78489204	Chr18.78215	Gm6133(+139376),Setbp1(+620261)	N/A
Chr18	78491922	78492152	Chr18.78221	Gm6133(+142283),Setbp1(+617354)	N/A
Chr18	78495485	78495677	Chr18.78224	Gm6133(+145827),Setbp1(+613870)	N/A
Chr18	78547206	78547530	Chr18.78303	Gm6133(+197614),Setbp1(+562022)	N/A
Chr18	78601104	78601368	Chr18.78386	Gm6133(+251482),Setbp1(+508155)	N/A
Chr18	78624951	78625249	Chr18.78399	Gm6133(+275346),Setbp1(+484291)	N/A
Chr18	13518076	13518193	Chr18.7848	Zfp521(+454598),Hrh4(+511145)	N/A
Chr18	13518260	13518483	Chr18.7850	Zfp521(-454371),Hrh4(+511372)	N/A
Chr18	78729892	78730107	Chr18.78506	Setbp1(+379391),Gm6133(-380246)	N/A
Chr18	78750256	78750419	Chr18.78526	Setbp1(+359053),Gm6133(+400584)	N/A
Chr18	78750470	78750582	Chr18.78528	Setbp1(+358865),Gm6133(+400772)	N/A
Chr18	78750855	78750969	Chr18.78530	Setbp1(+358479),Gm6133(+401158)	N/A
Chr18	78751018	78751701	Chr18.78531	Setbp1(+358031),Gm6133(+401606)	N/A
Chr18	13519239	13519400	Chr18.78554	Zfp521(+453413),Hrh4(+512330)	N/A
Chr18	78781114	78789491	Chr18.78568	Setbp1(+341088),Gm6133(+418549)	N/A
Chr18	78778528	78778628	Chr18.78589	Setbp1(+330873),Gm6133(+428824)	N/A
Chr18	78778663	78778823	Chr18.78592	Setbp1(+330648),Gm6133(+428989)	N/A
Chr18	78792693	78793015	Chr18.78624	Setbp1(+316537),Gm6133(+443100)	N/A
Chr18	78801513	78801766	Chr18.78637	Setbp1(+307751),Gm6133(+451886)	N/A
Chr18	78806649	78806756	Chr18.78640	Setbp1(+302688),Gm6133(+456949)	N/A
Chr18	78807421	78807548	Chr18.78644	Setbp1(+301906),Gm6133(+567731)	N/A
Chr18	78814207	78814380	Chr18.78654	Setbp1(+295097),Gm6133(+464540)	N/A
Chr18	13522877	13523389	Chr18.7866	Zfp521(+449600),Hrh4(+516143)	N/A
Chr18	78818495	78818718	Chr18.78667	Setbp1(+290794),Gm6133(+468853)	N/A
Chr18	78825763	78825882	Chr18.78682	Setbp1(+283558),Gm6133(+476079)	N/A
Chr18	78832187	78832308	Chr18.78693	Setbp1(+277143),Gm6133(+482944)	N/A
Chr18	78832428	78832653	Chr18.78696	Setbp1(+276850),Gm6133(+482787)	N/A
Chr18	13523677	13523806	Chr18.7870	Zfp521(+448991),Hrh4(+516752)	N/A
Chr18	78832852	78833117	Chr18.78702	Setbp1(+276406),Gm6133(+483231)	N/A
Chr18	78836439	78836612	Chr18.78705	Setbp1(+272865),Gm6133(+486772)	N/A
Chr18	78841117	78841407	Chr18.78711	Setbp1(+268129),Gm6133(+491508)	N/A
Chr18	78841661	78841780	Chr18.78716	Setbp1(+267670),Gm6133(+491508)	N/A
Chr18	13527052	13527179	Chr18.78714	Zfp521(+445617),Hrh4(+520126)	N/A
Chr18	78880912	78881066	Chr18.78833	Setbp1(+228402),Gm6133(+531235)	N/A
Chr18	78882235	78882494	Chr18.78836	Setbp1(+227026),Gm6133(+532611)	N/A
Chr18	78897790	78898060	Chr18.78852	Setbp1(+211466),Gm6133(+548171)	N/A
Chr18	78898347	78898465	Chr18.78855	Setbp1(+210985),Gm6133(+486823)	N/A
Chr18	78900225	78900368	Chr18.78862	Setbp1(+200904),Gm6133(+550543)	N/A
Chr18	78913602	78913906	Chr18.78901	Setbp1(+195637),Gm6133(+564000)	N/A
Chr18	78932392	78932505	Chr18.78920	Setbp1(+176942),Gm6133(+582695)	N/A
Chr18	78944908	78945014	Chr18.78947	Setbp1(+164430),Gm6133(+595207)	N/A
Chr18	78952596	78952696	Chr18.78963	Setbp1(+156688),Gm6133(+602949)	N/A
Chr18	13532894	13533038	Chr18.78967	Zfp521(+439767),Hrh4(+529716)	N/A
Chr18	78968120	78968317	Chr18.78970	Setbp1(+141172),Gm6133(+618465)	N/A
Chr18	78982821	78982926	Chr18.78989	Setbp1(+126517),Gm6133(+633120)	N/A
Chr18	13533213	13533388	Chr18.7899	Zfp521(+439432),Hrh4(+526311)	N/A
Chr18	13533805	13534289	Chr18.7900	Zfp521(+438696),Hrh4(+527047)	N/A
Chr18	79000952	79000197	Chr18.79027	Setbp1(+100286),Gm6133(+659371)	N/A
Chr18	79009230	79009364	Chr18.79029	Setbp1(+100094),Gm6133(+659543)	N/A
Chr18	79014046	79014352	Chr18.79041	Setbp1(+95192),Gm6133(+664445)	N/A
Chr18	79020310	79020466	Chr18.79051	Setbp1(+89003),Gm6133(+670634)	N/A
Chr18	79022542	79022837	Chr18.79059	Setbp1(+86701),Gm6133(+672936)	N/A
Chr18	79026516	79027080	Chr18.79068	Setbp1(+82593),Gm6133(+677044)	N/A
Chr18	13534680	13534794	Chr18.7908	Zfp521(+437996),Hrh4(+527116)	N/A
Chr18	79031502	79031700	Chr18.79080	Setbp1(+77790),Gm6133(+681847)	N/A
Chr18	79052183	79052637	Chr18.79115	Setbp1(+56981),Gm6133(+702656)	N/A
Chr18	13535608	13535883	Chr18.7914	Zfp521(+436987),Hrh4(+528756)	N/A
Chr18	79068111	79068212	Chr18.79155	Setbp1(+453379),Gm6133(+716258)	N/A
Chr18	79105459	79105806	Chr18.79204	Setbp1(+37556),Gm6133(+755978)	N/A
Chr18	79105849	79105960	Chr18.79209	Setbp1(+34968),Gm6133(+756151)	N/A
Chr18	79106383	79106497	Chr18.79213	Setbp1(+2951),Gm6133(+756686)	N/A
Chr18	79107867	79107815	Chr18.79218	Setbp1(+1650),Gm6133(+757987)	N/A
Chr18	79107987	79108314	Chr18.79221	Setbp1(+1240),Gm6133(+758397)	N/A
Chr18	79108426	79108785	Chr18.79222	Setbp1(+785)	N/A
Chr18	13560712	13560819	Chr18.79227	Zfp521(+411967),Hrh4(+553776)	N/A
Chr18	79201379	79201563	Chr18.79305	Pard6g(-845424),Setbp1(-92080)	N/A
Chr18	79234336	79234519	Chr18.79328	Pard6g(-812467),Setbp1(-125037)	N/A
Chr18	13569284	13569655	Chr18.7935	Zfp521(+403263),Hrh4(+562480)	N/A
Chr18	79292445	79292789	Chr18.79377	Pard6g(-754278),Setbp1(-183226)	N/A
Chr18	13591820	13592123	Chr18.7944	Zfp521(+380756),Hrh4(+584987)	N/A
Chr18	13594114	13594279	Chr18.7948	Zfp521(+378368),Hrh4(+597207)	N/A
Chr18	79487679	79487890	Chr18.79513	Pard6g(-559110),Setbp1(-378394)	N/A
Chr18	79495790	79495958	Chr18.79528	Pard6g(-551021),Setbp1(-386483)	N/A
Chr18	79581075	79581185	Chr18.79577	Setbp1(-471739),Pard6g(-465765)	N/A
Chr18	79589103	79589281	Chr18.79584	Setbp1(-479807),Pard6g(-457703)	N/A
Chr18	79623684	79623681	Chr18.79592	Setbp1(-517092),Pard6g(-420412)	N/A
Chr18	13597261	13597654	Chr18.7961	Zfp521(+375275),Hrh4(+590468)	N/A
Chr18	79781326	79781572	Chr18.79641	Setbp1(-672058),Pard6g(-265446)	N/A
Chr18	79781604	79781844	Chr18.79642	Setbp1(-672333),Pard6g(-265171)	N/A
Chr18	79951908	79952187	Chr18.79680	Setbp1(-847202),Pard6g(-94802)	N/A
Chr18	13600969	13601260	Chr18.7974	Zfp521(+371623),Hrh4(+594120)	N/A
Chr18	80151700	80151913	Chr18.79799	Atfp2(-328)	N/A
Chr18	80554828	80555205	Chr18.79946	Ctdp1(-85322),Nfatc1(+158054)	N/A
Chr18	80565808	80565951	Chr18.79951	Ctdp1(-96185),Nfatc1(+147191)	N/A
Chr18	80594217	80594329	Chr18.79958	Ctdp1(-124578),Nfatc1(+118798)	N/A
Chr18	80617117	80617349	Chr18.80002	Ctdp1(-47338),Nfatc1(+95838)	N/A
Chr18	80624359	80624585	Chr18.80013	Ctdp1(-154771),Nfatc1(+86598)	N/A
Chr18	80631681	80631805	Chr18.80018	Ctdp1(-162048),Nfatc1(+81328)	N/A
Chr18	80631855	80631961	Chr18.80022	Ctdp1(-162213),Nfatc1(+81163)	N/A
Chr18	13607430	13607575	Chr18.8003	Zfp521(+365230),Hrh4(+600513)	N/A
Chr18	80636221	80636437	Chr18.80043	Ctdp1(-166634),Nfatc1(+76742)	N/A
Chr18	80655755	80655965	Chr18.80056	Ctdp1(-186115),Nfatc1(+57281)	N/A
Chr18	13620916	13621054	Chr18.8007	Zfp521(+351748),Hrh4(+61396)	N/A
Chr18	13621180	13621511	Chr18.8012	Zfp521(+351387),Hrh4(+614356)	N/A
Chr18	80710225	80710325	Chr18.80142	Ctdp1(-240580),Nfatc1(+2796)	N/A
Chr18	80715642	80715793	Chr18.80148	Nfatc1(-2647)	N/A
Chr18	80769383	80769491	Chr18.80228	Nfatc1(-56366),Atfp9b(+164621)	N/A
Chr18	13653432	13653604	Chr18.8035	Zfp521(+319215),Hrh4(+646538)	N/A
Chr18	13661086	13661198	Chr18.8050	Zfp521(+311591),Hrh4(+654152)	N/A

Chr18	81275222	81275325	Chr18.80829	Sal13(-288696)	N/A
Chr18	81283619	81283781	Chr18.80837	Sal13(-297122)	N/A
Chr18	13671618	13671810	Chr18.80864	Zfp521(+307019),Hrh4(+664724)	N/A
Chr18	13678006	13678133	Chr18.80889	Zfp521(+294663),Hrh4(+671080)	N/A
Chr18	81397416	81397539	Chr18.80892	Sal13(-410900)	N/A
Chr18	13678249	13678654	Chr18.8092	Zfp521(+294281),Hrh4(+671462)	N/A
Chr18	81548067	81548184	Chr18.81033	Sal13(-561548),Galr1(+858651)	N/A
Chr18	13683577	13683977	Chr18.8105	Zfp521(+288956),Hrh4(+676787)	N/A
Chr18	81622231	81622640	Chr18.81085	Sal13(-615858),Galr1(+804341)	N/A
Chr18	81612795	81612950	Chr18.81091	Sal13(-626295),Galr1(+793904)	N/A
Chr18	81649701	81649800	Chr18.81147	Sal13(-663173),Galr1(+757026)	N/A
Chr18	81650116	81650219	Chr18.81155	Sal13(-663590),Galr1(+756609)	N/A
Chr18	81705827	81706156	Chr18.81221	Sal13(-719414),Galr1(+700785)	N/A
Chr18	13693908	13694212	Chr18.8132	Zfp521(+278673),Hrh4(+687070)	N/A
Chr18	13694334	13695086	Chr18.8137	Zfp521(+278033),Hrh4(+687710)	N/A
Chr18	82549623	82549777	Chr18.81489	Mbp(+74538),Zfp236(+143183)	N/A
Chr18	82561759	82561860	Chr18.81504	Mbp(+86648),Zfp236(+131073)	N/A
Chr18	13695969	13699786	Chr18.8151	Zfp521(+273055),Hrh4(+692688)	N/A
Chr18	82596717	82596863	Chr18.81545	Zfp236(+96093),Mbp(+121628)	N/A
Chr18	13701224	13701708	Chr18.8155	Zfp521(+271261),Hrh4(+694462)	N/A
Chr18	82610593	82610719	Chr18.81595	Zfp236(+82227),Mbp(+135494)	N/A
Chr18	13702868	13703001	Chr18.8168	Zfp521(+269798),Hrh4(+695945)	N/A
Chr18	13703800	13704676	Chr18.8171	Zfp521(+268495),Hrh4(+697248)	N/A
Chr18	13704739	13705004	Chr18.8177	Zfp521(+267861),Hrh4(+697882)	N/A
Chr18	82888555	82888688	Chr18.81780	Zfp236(+195739),Zfp516(-22257)	N/A
Chr18	82902387	82902520	Chr18.81793	Zfp236(-209571),Zfp516(-8425)	N/A
Chr18	82906655	82906837	Chr18.81795	Zfp516(-4133)	N/A
Chr18	82911947	82912071	Chr18.81808	Zfp516(+1130)	N/A
Chr18	82912333	82912571	Chr18.81812	Zfp516(+1573)	N/A
Chr18	82912631	82912811	Chr18.81813	Zfp516(+1842)	N/A
Chr18	82913190	82913332	Chr18.81818	Zfp516(+2362)	N/A
Chr18	13705611	13705713	Chr18.8183	Zfp521(+267071),Hrh4(+698672)	N/A
Chr18	82916815	82916953	Chr18.81830	Zfp516(+6005)	N/A
Chr18	82919415	82919572	Chr18.81844	Zfp516(+8615)	N/A
Chr18	82920796	82920907	Chr18.81849	Zfp516(+9973)	N/A
Chr18	13705819	13706108	Chr18.8186	Zfp521(+266769),Hrh4(+698974)	N/A
Chr18	82947468	82947730	Chr18.81862	Zfp516(+36720)	N/A
Chr18	13706379	13706781	Chr18.8188	Zfp521(+266153),Hrh4(+699590)	N/A
Chr18	13707192	13707620	Chr18.8191	Zfp521(+265327),Hrh4(+700416)	N/A
Chr18	83003893	83004036	Chr18.81998	Zfp516(+93086)	N/A
Chr18	13708146	13708397	Chr18.8203	Zfp521(+264461),Hrh4(+701282)	N/A
Chr18	83068128	83068250	Chr18.82038	Zfp516(+157310)	N/A
Chr18	83075731	83075987	Chr18.82051	Zfp516(+164980)	N/A
Chr18	83096983	83097142	Chr18.82079	Zfp516(+186184),Tshz1(+989341)	N/A
Chr18	83097273	83097451	Chr18.82084	Zfp516(+186483),Tshz1(+989042)	N/A
Chr18	83110824	83110958	Chr18.82091	Zfp516(+200012),Tshz1(+975513)	N/A
Chr18	83115962	83116210	Chr18.82096	Zfp516(+205207),Tshz1(+970318)	N/A
Chr18	83116411	83116677	Chr18.82102	Zfp516(+205665),Tshz1(+969880)	N/A
Chr18	83119565	83119688	Chr18.82109	Zfp516(+206748),Tshz1(+966777)	N/A
Chr18	83185828	83186120	Chr18.82142	Zfp516(+275095),Tshz1(+900430)	N/A
Chr18	83193052	83193381	Chr18.82148	Zfp516(+282338),Tshz1(+893187)	N/A
Chr18	83285346	83285478	Chr18.82208	Zfp516(+374533),Tshz1(+800992)	N/A
Chr18	83332556	83332682	Chr18.82241	Zfp516(+421740),Tshz1(+753785)	N/A
Chr18	83350946	83351153	Chr18.82271	Zfp516(+461047),Tshz1(+673554)	N/A
Chr18	83351604	83351853	Chr18.82272	Zfp516(+440850),Tshz1(+734675)	N/A
Chr18	83353834	83354046	Chr18.82276	Zfp516(+443111),Tshz1(+732414)	N/A
Chr18	13722149	13722299	Chr18.8237	Zfp521(+250509),Hrh4(+715234)	N/A
Chr18	13722529	13723002	Chr18.8238	Zfp521(+249967),Hrh4(+715776)	N/A
Chr18	83468013	83468168	Chr18.82389	Zfp516(+557212),Tshz1(+618313)	N/A
Chr18	83490020	83490122	Chr18.82404	Zfp516(+579192),Tshz1(+596333)	N/A
Chr18	13723103	13723405	Chr18.8241	Zfp521(+249479),Hrh4(+716264)	N/A
Chr18	83491444	83491564	Chr18.82411	Zfp516(+580625),Tshz1(+594900)	N/A
Chr18	83491830	83492043	Chr18.82412	Zfp516(+581058),Tshz1(+594467)	N/A
Chr18	83524018	83524227	Chr18.82445	Tshz1(+562281),Zfp516(+613244)	N/A
Chr18	83526072	83526177	Chr18.82450	Tshz1(+560270),Zfp516(+615246)	N/A
Chr18	83561299	83561495	Chr18.82486	Tshz1(+525007),Zfp516(+650518)	N/A
Chr18	13723915	13724218	Chr18.8249	Zfp521(+248666),Hrh4(+717077)	N/A
Chr18	83637508	83638117	Chr18.82547	Tshz1(+448591),Zfp516(+726934)	N/A
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Chr18	83657045	83657178	Chr18.82577	Tshz1(+429269),Zfp516(+746233)	N/A
Chr18	83740519	83740634	Chr18.82630	Tshz1(+345821),Zfp516(+626869)	N/A
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Chr18	13728596	13728830	Chr18.8266	Zfp521(+244020),Hrh4(+721723)	N/A
Chr18	83765203	83765308	Chr18.82663	Tshz1(+321148),Zfp516(+854377)	N/A
Chr18	83765990	83766108	Chr18.82666	Tshz1(+320355),Zfp516(+855170)	N/A
Chr18	83766339	83766755	Chr18.82668	Tshz1(+319707),Zfp516(+855818)	N/A
Chr18	13734279	13734758	Chr18.8282	Zfp521(+238214),Hrh4(+727529)	N/A
Chr18	13737476	13737691	Chr18.8289	Zfp521(+235149),Hrh4(+730594)	N/A
Chr18	13737761	13737904	Chr18.8293	Zfp521(+234900),Hrh4(+730843)	N/A
Chr18	13737960	13738179	Chr18.8297	Zfp521(+234663),Hrh4(+731080)	N/A
Chr18	84025329	84025451	Chr18.83001	Tshz1(+61024)	N/A
Chr18	13739612	13739939	Chr18.8304	Zfp521(+232957),Hrh4(+732786)	N/A
Chr18	84035792	84035937	Chr18.83043	Tshz1(+50539)	N/A
Chr18	84036426	84036670	Chr18.83049	Tshz1(+49856)	N/A
Chr18	84069359	84069932	Chr18.83080	Tshz1(+16758)	N/A
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Chr18	84073418	84073781	Chr18.83100	Tshz1(+12804)	N/A
Chr18	84076727	84076873	Chr18.83119	Tshz1(+9604)	N/A
Chr18	84082339	84082624	Chr18.83151	Tshz1(+3922)	N/A
Chr18	84083064	84083205	Chr18.83154	Tshz1(+3269)	N/A
Chr18	84083247	84083748	Chr18.83158	Zadh2(-4660),Tshz1(+2906)	N/A
Chr18	84084581	84084925	Chr18.83168	Zadh2(-3405),Tshz1(+1651)	N/A
Chr18	84085013	84085134	Chr18.83169	Zadh2(-3084),Tshz1(+1330)	N/A
Chr18	84085877	84086207	Chr18.83173	Zadh2(-2116),Tshz1(+362)	N/A
Chr18	84086320	84086618	Chr18.83175	Zadh2(-1689),Tshz1(-65)	N/A
Chr18	84086966	84086783	Chr18.83178	Zadh2(-1433),Tshz1(-321)	N/A
Chr18	13751707	13751820	Chr18.8320	Zfp521(+220969),Hrh4(+744774)	N/A
Chr18	84093450	84093816	Chr18.83205	Zadh2(-5475),Zfp407(+495871)	N/A
Chr18	84093864	84094024	Chr18.83214	Zadh2(+5786),Zfp407(+495580)	N/A
Chr18	13755824	13755990	Chr18.8326	Zfp521(+216826),Hrh4(+748917)	N/A
Chr18	84129368	84129509	Chr18.83295	Zadh2(+41281),Zfp407(+460605)	N/A
Chr18	84192359	84192606	Chr18.83342	Zadh2(+104323),Zfp407(+397021)	N/A
Chr18	84194258	84194390	Chr18.83346	Zadh2(+106166),Zfp407(+395180)	N/A
Chr18	13757813	13758136	Chr18.8336	Zfp521(+214758),Hrh4(+750985)	N/A
Chr18	84218533	84218829	Chr18.83423	Zadh2(+130523),Zfp407(+370823)	N/A
Chr18	13758884	13759177	Chr18.8345	Zfp521(+213702),Hrh4(+752041)	N/A
Chr18	13759594	13759987	Chr18.8348	Zfp521(+212942),Hrh4(+752801)	N/A
Chr18	13761654	13761866	Chr18.8351	Zfp521(+210973),Hrh4(+754770)	N/A
Chr18	84307517	84307617	Chr18.83572	Zadh2(-219264),Zfp407(+282082)	N/A
Chr18	84349195	84349398	Chr18.83633	Zfp407(+240207),Zadh2(-261139)	N/A
Chr18	13766433	13766596	Chr18.8365	Zfp521(+206218),Hrh4(+759525)	N/A
Chr18	84354803	84355046	Chr18.83656	Zfp407(+234579),Zadh2(+266767)	N/A
Chr18	84369997	84369351	Chr18.83677	Zfp407(+220330),Zadh2(+281016)	N/A
Chr18	84380600	84380608	Chr18.83693	Zfp407(+208770),Zadh2(+292578)	N/A
Chr18	84407959	84408098	Chr18.83705	Zfp407(+181475),Zadh2(+319871)	N/A
Chr18	84408525	84408704	Chr18.83708	Zfp407(+180889),Zadh2(+320457)	N/A
Chr18	13766660	13766845	Chr18.8371	Zfp521(+205980),Hrh4(+759763)	N/A
Chr18	84414344	84414926	Chr18.83727	Zfp407(+174869),Zadh2(+326477)	N/A
Chr18	84484449	84484749	Chr18.83626	Zfp407(+104955),Zadh2(+396441)	N/A
Chr18	13769881	13770041	Chr18.8383	Zfp521(+202772),Hrh4(+762701)	N/A
Chr18	84513596	84514071	Chr18.83866	Zfp407(+75670),Zadh2(+425876)	N/A
Chr18	84514341	84514545	Chr18.83869	Zfp407(+75061),Zadh2(+426285)	N/A
Chr18	84541196	84541298	Chr18.83919	Zfp407(+48257),Zadh2(+453089)	N/A
Chr18	13776551	13776909	Chr18.8398	Zfp521(+196003),Hrh4(+769740)	N/A
Chr18	84589396	84589552	Chr18.84052	Zfp407(+30)	N/A
Chr18	13782902	13783159	Chr18.8406	Zfp521(+189702),Hrh4(+776041)	N/A
Chr18	13783903	13784052	Chr18.8414	Zfp521(+188755),Hrh4(+776988)	N/A
Chr18	13785552	13785800	Chr18.8417	Zfp521(+187057),Hrh4(+778686)	N/A
Chr18	13786044	13786359	Chr18.8418	Zfp521(+186531),Hrh4(+779212)	N/A
Chr18	84721992	84722091	Chr18.84235	Cybs9a(-129296),Dpkl1c(+1800)	N/A
Chr18	84722499	84722667	Chr18.84233	Cybs9a(-128759),Dpkl1c(+12341)	N/A
Chr18	84754315	84754419	Chr18.84276	Cybs9a(-96971),Dpkl1c(+34125)	N/A
Chr18	13798879	13799496	Chr18.8433	Zfp521(+182545),Hrh4(+783198)	N/A
Chr18	13790587	13790780	Chr18.8437	Zfp521(+182049),Hrh4(+783694)	N/A
Chr18	13794605	13794860	Chr18.8445	Zfp521(+178000),Hrh4(+787743)	N/A
Chr18	13798955	13799135	Chr18.8461	Zfp521(+173688),Hrh4(+792055)	N/A
Chr18	13801499	13801760	Chr18.8492	Zfp521(+171103),Hrh4(+794640)	N/A

Chr18	13802269	13802610	Chr18.8496	Zfp521(+170293),Hrh4(+795450)	N/A
Chr18	13802847	13802974	Chr18.8502	Zfp521(+169822),Hrh4(+795921)	N/A
Chr18	1380353	13803381	Chr18.8506	Zfp521(+169516),Hrh4(+796227)	N/A
Chr18	45113726	4514088	Chr18.851	Jcad(-121022),Mtpap(-138315)	N/A
Chr18	13803627	13803853	Chr18.8512	Zfp521(+168993),Hrh4(+796750)	N/A
Chr18	13804528	13804640	Chr18.8516	Zfp521(+168149),Hrh4(+797594)	N/A
Chr18	13805286	13805425	Chr18.8518	Zfp521(+167377),Hrh4(+798366)	N/A
Chr18	13809615	13810534	Chr18.8530	Zfp521(+162658),Hrh4(+803085)	N/A
Chr18	13814273	13814372	Chr18.8547	Zfp521(+158410),Hrh4(+807333)	N/A
Chr18	13814614	13814775	Chr18.8551	Zfp521(+158038),Hrh4(+807705)	N/A
Chr18	88313306	88313626	Chr18.85531	Gm5096(+557180),Socs6(+580856)	N/A
Chr18	88673426	88673568	Chr18.85775	Socs6(+220285),Gm5096(+917211)	N/A
Chr18	88674080	88674467	Chr18.85781	Socs6(+220048),Gm5096(+917988)	N/A
Chr18	88971942	88972083	Chr18.85970	Rtnn(+223)	N/A
Chr18	13847653	13848151	Chr18.8695	Zfp521(+124831),Hrh4(+840912)	N/A
Chr18	13848528	13848805	Chr18.8697	Zfp521(+124066),Hrh4(+841677)	N/A
Chr18	13850284	13850940	Chr18.8703	Zfp521(+122121),Hrh4(+843622)	N/A
Chr18	13853707	13854041	Chr18.8713	Zfp521(+118859),Hrh4(+846884)	N/A
Chr18	13861364	13861678	Chr18.8738	Zfp521(+111212),Hrh4(+854531)	N/A
Chr18	13869999	13870152	Chr18.8750	Zfp521(+102657),Hrh4(+863066)	N/A
Chr18	13870674	13871155	Chr18.8753	Zfp521(+101818),Hrh4(+863925)	N/A
Chr18	13871194	13871582	Chr18.8756	Zfp521(+101345),Hrh4(+864398)	N/A
Chr18	4558913	4559068	Chr18.876	Jcad(-75938),Mtpap(-183399)	N/A
Chr18	13872187	13872356	Chr18.8764	Zfp521(+100461),Hrh4(+865282)	N/A
Chr18	13872483	13872597	Chr18.8767	Zfp521(+100193),Hrh4(+865550)	N/A
Chr18	13878892	13880141	Chr18.8785	Zfp521(+92716),Hrh4(+873027)	N/A
Chr18	13886897	13887173	Chr18.8800	Zfp521(+85669),Hrh4(+890045)	N/A
Chr18	13889606	13889772	Chr18.8814	Zfp521(+83044),Hrh4(+882699)	N/A
Chr18	13890417	13890516	Chr18.8821	Zfp521(+82265),Hrh4(+883477)	N/A
Chr18	13894132	13894358	Chr18.8831	Zfp521(+78488),Hrh4(+887255)	N/A
Chr18	13895211	13895425	Chr18.8843	Zfp521(+77415),Hrh4(+888328)	N/A
Chr18	13898490	13898589	Chr18.8857	Zfp521(+74193),Hrh4(+891550)	N/A
Chr18	13898802	13899216	Chr18.8863	Zfp521(+73724),Hrh4(+892019)	N/A
Chr18	13899717	13899949	Chr18.8869	Zfp521(+72900),Hrh4(+892643)	N/A
Chr18	13900043	13900152	Chr18.8872	Zfp521(+72635),Hrh4(+893108)	N/A
Chr18	13900240	13900490	Chr18.8875	Zfp521(+72368),Hrh4(+893375)	N/A
Chr18	13900555	13900903	Chr18.8876	Zfp521(+72004),Hrh4(+893739)	N/A
Chr18	13901292	13901837	Chr18.8882	Zfp521(+71168),Hrh4(+894575)	N/A
Chr18	13925044	13925404	Chr18.8929	Zfp521(+47509),Hrh4(+918234)	N/A
Chr18	13941808	13941997	Chr18.8951	Zfp521(+30830),Hrh4(+934913)	N/A
Chr18	13943142	13944207	Chr18.8958	Zfp521(+29058),Hrh4(+936685)	N/A
Chr18	13965252	13965369	Chr18.8997	Zfp521(+7422),Hrh4(+958321)	N/A
Chr18	13965633	13965190	Chr18.9000	Zfp521(+6821),Hrh4(+958922)	N/A
Chr18	13967056	13967372	Chr18.9006	Zfp521(+5519),Hrh4(+960224)	N/A
Chr18	13968107	13968380	Chr18.9016	Zfp521(+4489),Hrh4(+961254)	N/A
Chr18	13988351	13988492	Chr18.9075	Gm5160(-436446),Zfp521(-15689)	N/A
Chr18	13989083	13989362	Chr18.9082	Gm5160(-43564),Zfp521(-16490)	N/A
Chr18	13992430	13992892	Chr18.9095	Gm5160(-432027),Zfp521(-19938)	N/A
Chr18	13992955	13993188	Chr18.9096	Gm5160(-431796),Zfp521(-20339)	N/A
Chr18	14002855	14003098	Chr18.9110	Gm5160(-421891),Zfp521(-30244)	N/A
Chr18	14004575	14004740	Chr18.9117	Gm5160(-420210),Zfp521(-31925)	N/A
Chr18	14005041	14005145	Chr18.9121	Gm5160(-419775),Zfp521(-32360)	N/A
Chr18	14018179	14018308	Chr18.9131	Gm5160(-406624),Zfp521(-45511)	N/A
Chr18	14018504	14018620	Chr18.9133	Gm5160(-406206),Zfp521(-45929)	N/A
Chr18	14021137	14021291	Chr18.9136	Gm5160(-403654),Zfp521(-48481)	N/A
Chr18	14036195	14036334	Chr18.9166	Gm5160(-388603),Zfp521(-63532)	N/A
Chr18	14118389	14118595	Chr18.9299	Gm5160(-306376),Zfp521(-145759)	N/A
Chr18	14119415	14119588	Chr18.9303	Gm5160(-303366),Zfp521(-146769)	N/A
Chr18	14119989	14120157	Chr18.9308	Gm5160(-304795),Zfp521(-147340)	N/A
Chr18	14202862	14202898	Chr18.9423	Zfp521(-229747),Gm5160(-222388)	N/A
Chr18	14202892	14203091	Chr18.9430	Zfp521(-230259),Gm5160(-221876)	N/A
Chr18	14203134	14203343	Chr18.9431	Zfp521(-230506),Gm5160(-221629)	N/A
Chr18	14401299	14401575	Chr18.9720	Zfp521(-428704),Gm5160(-23431)	N/A
Chr18	14402826	14403086	Chr18.9729	Zfp521(-430215),Gm5160(-21920)	N/A
Chr18	14403386	14403520	Chr18.9734	Zfp521(-430720),Gm5160(-21415)	N/A
Chr18	14403672	14403789	Chr18.9735	Zfp521(-430998),Gm5160(-21137)	N/A
Chr18	14417007	14417172	Chr18.9752	Zfp521(-444357),Gm5160(-7778)	N/A
Chr18	14417369	14417577	Chr18.9758	Zfp521(-444740),Gm5160(-7395)	N/A
Chr18	14487131	14487451	Chr18.9834	Gm5160(+62423),Ss18(+195623)	N/A
Chr18	14575942	14576129	Chr18.9919	Ss18(+106878),Gm5160(+151168)	N/A
Chr18	14575951	14575965	Chr18.9921	Ss18(+103136),Gm5160(+154910)	N/A
Chr18	14602102	14602524	Chr18.9970	Ss18(+80601),Gm5160(+177445)	N/A
Chr18	14606648	14606756	Chr18.9975	Ss18(+76212),Gm5160(+181834)	N/A
Chr18	14615777	14615899	Chr18.9980	Ss18(+67076),Gm5160(+190970)	N/A
Chr19	7299103	7299356	Chr19.10000	Rcor2(+29466),Mark2(+42203)	N/A
Chr19	7302064	7302232	Chr19.10005	Rcor2(+32384),Mark2(+39285)	N/A
Chr19	7306253	7306379	Chr19.10013	Mark2(+35117),Rcor2(+36552)	N/A
Chr19	7311317	7311425	Chr19.10029	Mark2(+30062),Rcor2(+41607)	N/A
Chr19	7315075	7315303	Chr19.10034	Mark2(+26244),Rcor2(+45425)	N/A
Chr19	7334165	7334368	Chr19.10043	Mark2(+7166),Rcor2(+64503)	N/A
Chr19	7335780	7335910	Chr19.10046	Mark2(+5588),Rcor2(+66081)	N/A
Chr19	7338138	7338257	Chr19.10052	Mark2(+3235),Rcor2(+68434)	N/A
Chr19	7340442	7340619	Chr19.10070	Mark2(+902)	N/A
Chr19	7341495	7341818	Chr19.10077	Mark2(-224)	N/A
Chr19	7341849	7342000	Chr19.10082	Mark2(-492)	N/A
Chr19	7424000	7424228	Chr19.10158	2700081o15rk(+6489),Rtn3(+59175)	N/A
Chr19	7425921	7426229	Chr19.10164	2700081o15rk(+6450),Rtn3(+57214)	N/A
Chr19	7426982	7427111	Chr19.10171	2700081o15rk(+9422),Rtn3(+56242)	N/A
Chr19	7427675	7427877	Chr19.10175	2700081o15rk(+10151),Rtn3(+55513)	N/A
Chr19	7481839	7482093	Chr19.10250	Rtn3(+1323),2700081o15rk(+64341)	N/A
Chr19	8593038	8593185	Chr19.10488	Slc22a8(-24884),Slc22a8(+1858)	N/A
Chr19	8614466	8614606	Chr19.10585	Slc22a8(-3460)	N/A
Chr19	8661927	8662135	Chr19.10673	Chrm1(-1974)	N/A
Chr19	8662274	8662479	Chr19.10676	Chrm1(-1628)	N/A
Chr19	8663223	8663402	Chr19.10681	Chrm1(-692)	N/A
Chr19	8664245	8664464	Chr19.10685	Chrm1(+350)	N/A
Chr19	8664878	8665052	Chr19.10690	Chrm1(+960)	N/A
Chr19	8680261	8680365	Chr19.10745	Chrm1(-16308),Slc3a2(+43056)	N/A
Chr19	8711465	8711613	Chr19.10776	Slc3a2(+11830),Chrm1(+47534)	N/A
Chr19	8715109	8715246	Chr19.10800	Slc3a2(+8191),Chrm1(+51173)	N/A
Chr19	8725871	8725990	Chr19.10824	Slc3a2(-2562)	N/A
Chr19	8741323	8741580	Chr19.10858	Stx5a(+39),1700092m07rk(+734)	N/A
Chr19	8756395	8756494	Chr19.10895	Nxf1(-1658)	N/A
Chr19	8756617	8765776	Chr19.10945	Tmem223(-5299),Nxf1(+8594)	N/A
Chr19	8770740	8770915	Chr19.10986	Tmem223(-168)	N/A
Chr19	8771084	8771196	Chr19.10990	Tmem223(+144)	N/A
Chr19	8772044	8772162	Chr19.10997	Tmem223(+1107),Tmem179b(+2364)	N/A
Chr19	8772709	8772851	Chr19.11011	Tmem179b(+1687),Tmem223(+1784)	N/A
Chr19	8773497	8773614	Chr19.11019	Tmem179b(+911)	N/A
Chr19	8774331	8774430	Chr19.11023	Tmem179b(+8)	N/A
Chr19	8802483	8802609	Chr19.11097	Polr2q(-3989),Zbtb3(+16)	N/A
Chr19	8822193	8822317	Chr19.11168	Tlcs(-2922),Hnmpu2(+2854)	N/A
Chr19	8830576	8830827	Chr19.11205	Bscl2(-6765),Hnmpu2(+11301)	N/A
Chr19	8831705	8831923	Chr19.11217	Bscl2(-5653),Hnmpu2(+12413)	N/A
Chr19	8832346	8832597	Chr19.11220	Bscl2(-4995)	N/A
Chr19	8839196	8839302	Chr19.11254	Gng2(-3)	N/A
Chr19	8839416	8839642	Chr19.11257	Gng3(-283)	N/A
Chr19	8850746	8850927	Chr19.11304	Lrrn4c(+52)	N/A
Chr19	8885540	8886687	Chr19.11376	Ints5(-4373),1810009a15rk(-289)	N/A
Chr19	8908526	8908704	Chr19.11466	B3gal3(-11759),Gana6(+10525)	N/A
Chr19	8916392	8916512	Chr19.11545	B3gal3(-3922)	N/A
Chr19	8927021	8927230	Chr19.11575	Eml3(-2568),Rom1(+2230)	N/A
Chr19	8930484	8930617	Chr19.11616	Rom1(-1195),Eml3(+857)	N/A
Chr19	8944894	8945045	Chr19.11711	Tut1(-8880),Mta2(+3095)	N/A
Chr19	8951860	8952295	Chr19.11759	Tut1(-1772)	N/A
Chr19	8967165	8967275	Chr19.11824	Eef1g(+179)	N/A
Chr19	8981924	8982033	Chr19.11864	Ahnak(-7305),Eef1g(+14938)	N/A
Chr19	8982456	8982612	Chr19.11868	Ahnak(-6750),Eef1g(+15493)	N/A
Chr19	8983411	8983565	Chr19.11874	Ahnak(-5796),Eef1g(+16447)	N/A
Chr19	8984494	8984735	Chr19.11882	Ahnak(-4669)	N/A
Chr19	8987953	8988101	Chr19.11890	Ahnak(-1257)	N/A
Chr19	8991974	8992117	Chr19.11898	Ahnak(-2752),Scgb1a1(+95912)	N/A
Chr19	9023143	9023244	Chr19.12263	Ahnak(+33910),Scgb1a1(+64764)	N/A
Chr19	9027969	9028156	Chr19.12266	Ahnak(+38780),Scgb1a1(+59894)	N/A
Chr19	9070109	9070269	Chr19.12285	Scgb1a1(+17769),Ahnak(+80905)	N/A
Chr19	9071517	9071658	Chr19.12289	Scgb1a1(+16370),Ahnak(+82304)	N/A
Chr19	9112000	9112104	Chr19.12304	Scgb1a1(-24084),Ahrf1(+23584)	N/A
Chr19	10013921	10014071	Chr19.12453	Rab31(-4197)	N/A

Chr19	10042405	10042538	Chr19.12557	Fads3(+924)	N/A
Chr19	3990956	3991078	Chr19.1267	Tbx10(-1735)	N/A
Chr19	10204138	10204269	Chr19.12774	Fen1(-35),Tmem258(+190)	N/A
Chr19	10204890	10205017	Chr19.12779	Fen1(-765),Tmem258(+940)	N/A
Chr19	10208711	10208855	Chr19.12798	Fen1(-4614)	N/A
Chr19	10224976	10225083	Chr19.12890	Fen1(-20861),Myrf(+15718)	N/A
Chr19	10225172	10225362	Chr19.12893	Fen1(-21098),Myrf(+15481)	N/A
Chr19	10230447	10230553	Chr19.12914	Fen1(-26331),Myrf(+10248)	N/A
Chr19	10231248	10231375	Chr19.12917	Fen1(-27143),Myrf(+9436)	N/A
Chr19	10238611	10238715	Chr19.12932	Fen1(-34494),Myrf(+2085)	N/A
Chr19	10243155	10243256	Chr19.12937	Myrf(-2458)	N/A
Chr19	10245694	10245793	Chr19.12946	Myrf(-4996)	N/A
Chr19	10274238	10274375	Chr19.13037	Myrf(-33559),Dagla(+30570)	N/A
Chr19	10276645	10276793	Chr19.13042	Myrf(-35971),Dagla(+26158)	N/A
Chr19	10281398	10281512	Chr19.13050	Myrf(-40707),Dagla(+23422)	N/A
Chr19	10288571	10288736	Chr19.13059	Myrf(-47906),Dagla(+16223)	N/A
Chr19	10290697	10290858	Chr19.13066	Myrf(-50030),Dagla(+14099)	N/A
Chr19	10292083	10292226	Chr19.13071	Myrf(-51407),Dagla(+12722)	N/A
Chr19	10294805	10295102	Chr19.13073	Myrf(-54206),Dagla(+9923)	N/A
Chr19	10308065	10308186	Chr19.13102	Dagla(-3249)	N/A
Chr19	10385725	10385869	Chr19.13160	Syt7(-3278)	N/A
Chr19	10397909	10398093	Chr19.13197	Syt7(+8911),Lrrc10b(+59446)	N/A
Chr19	10413906	10414038	Chr19.13232	Syt7(+24882),Lrrc10b(+43475)	N/A
Chr19	10422821	10423022	Chr19.13252	Syt7(+33832),Lrrc10b(+34525)	N/A
Chr19	10451474	10451642	Chr19.13322	Lrrc10b(+5889),Syt7(+62468)	N/A
Chr19	10460158	10460262	Chr19.13349	Lrrc10b(-2763)	N/A
Chr19	10714330	10714435	Chr19.13049	Cd5(+24591),Vps37c(+25568)	N/A
Chr19	10870662	10870800	Chr19.14270	Tmem132a(-791)	N/A
Chr19	10881645	10881764	Chr19.14305	Tmem109(+296)	N/A
Chr19	10895163	10895301	Chr19.14313	Pipf19(+1)	N/A
Chr19	4083376	4083516	Chr19.1482	Capo2(-73)	N/A
Chr19	11965868	11965848	Chr19.14866	Osbp(-76)	N/A
Chr19	11969550	11969652	Chr19.14879	Osbp(-3757),Olf1423(+67139)	N/A
Chr19	4096812	4096928	Chr19.1521	Pitpnm1(-3752),Cdk2ap2(-312)	N/A
Chr19	4097149	4097513	Chr19.1525	Pitpnm1(-3291),Cdk2ap2(+149)	N/A
Chr19	4098588	4098706	Chr19.1538	Pitpnm1(-1975)	N/A
Chr19	4098912	4099020	Chr19.1539	Pitpnm1(-1656)	N/A
Chr19	12489720	12489951	Chr19.15683	Dtx4(+12160),Mpeg1(+29057)	N/A
Chr19	12493829	12494071	Chr19.15707	Dtx4(+8046),Mpeg1(+33171)	N/A
Chr19	12498356	12498473	Chr19.15714	Dtx4(+3581),Mpeg1(+37636)	N/A
Chr19	12795990	12796147	Chr19.15954	Lpxn(-2537),Zfp91(+57)	N/A
Chr19	10442975	10443096	Chr19.16512	Olf1505(+124094),Tie4(+554947)	N/A
Chr19	14096298	14096412	Chr19.16554	Olf1505(+17413),Tie4(+501628)	N/A
Chr19	14128801	14128959	Chr19.16593	Olf1505(+20938),Tie4(+469103)	N/A
Chr19	14161511	14161641	Chr19.16614	Olf1505(+242634),Tie4(+436407)	N/A
Chr19	14180593	14180914	Chr19.16630	Olf1505(+261812),Tie4(+417229)	N/A
Chr19	14243680	14243814	Chr19.16706	Olf1505(+324795),Tie4(+354246)	N/A
Chr19	14258507	14258668	Chr19.16737	Olf1505(+339395),Olf1505(+339646)	N/A
Chr19	14325275	14325615	Chr19.16809	Tie4(+272538),Olf1505(+406503)	N/A
Chr19	14368837	14369195	Chr19.16844	Tie4(+228967),Olf1505(+450074)	N/A
Chr19	14406676	14406955	Chr19.16882	Tie4(+191167),Olf1505(+487874)	N/A
Chr19	14435806	14436021	Chr19.16922	Tie4(+162069),Olf1505(+516972)	N/A
Chr19	14436112	14436323	Chr19.16924	Tie4(+161765),Olf1505(+517276)	N/A
Chr19	14487065	14487268	Chr19.17049	Tie4(+110816),Olf1505(+566225)	N/A
Chr19	14502172	14502402	Chr19.17077	Tie4(+95696),Olf1505(+583345)	N/A
Chr19	14505404	14505791	Chr19.17091	Tie4(+92385),Olf1505(+586656)	N/A
Chr19	14588262	14588591	Chr19.17242	Tie4(+9556),Olf1505(+669485)	N/A
Chr19	14593803	14593975	Chr19.17259	Tie4(+4094),Olf1505(+674947)	N/A
Chr19	14595242	14595470	Chr19.17274	Tie4(+5257),Olf1505(+676414)	N/A
Chr19	14597650	14597750	Chr19.17288	Tie4(+283)	N/A
Chr19	14598008	14598159	Chr19.17290	Tie4(-101)	N/A
Chr19	14598269	14598563	Chr19.17294	Tie4(-433)	N/A
Chr19	14598711	14598893	Chr19.17299	Tie4(-819)	N/A
Chr19	14670291	14670537	Chr19.17398	Tie4(-72431)	N/A
Chr19	14670719	14671069	Chr19.17401	Tie4(-72861)	N/A
Chr19	14684505	14684646	Chr19.17419	Tie4(-86593)	N/A
Chr19	14724641	14724762	Chr19.17456	Tie4(-126719)	N/A
Chr19	14863124	14863362	Chr19.17586	Tie4(-265260)	N/A
Chr19	14883859	14884079	Chr19.17632	Tie4(-285986)	N/A
Chr19	14888975	14889095	Chr19.17647	Tie4(-292002)	N/A
Chr19	14957690	14957813	Chr19.17726	Tie4(-359819),Psat1(+967257)	N/A
Chr19	14969814	14970095	Chr19.17742	Tie4(-371972),Psat1(+955104)	N/A
Chr19	14971596	14971784	Chr19.17754	Tie4(-373707),Psat1(+953369)	N/A
Chr19	15052910	15053087	Chr19.17853	Tie4(-455016),Psat1(+872060)	N/A
Chr19	15201451	15201582	Chr19.17971	Tie4(-603534),Psat1(+723542)	N/A
Chr19	15328718	15328980	Chr19.18008	Tie4(-730896),Psat1(+596180)	N/A
Chr19	15456882	15456987	Chr19.18196	Tie4(-858952),Psat1(+468124)	N/A
Chr19	15457100	15457357	Chr19.18201	Tie4(-859246),Psat1(+467830)	N/A
Chr19	15466850	15467032	Chr19.18214	Tie4(-868958),Psat1(+458118)	N/A
Chr19	15585248	15585450	Chr19.18333	Tie4(-987366),Psat1(+339710)	N/A
Chr19	15614816	15615086	Chr19.18382	Psat1(+310107)	N/A
Chr19	15615299	15615584	Chr19.18389	Psat1(+309617)	N/A
Chr19	15667458	15667578	Chr19.18475	Psat1(+257541)	N/A
Chr19	15667681	15668140	Chr19.18476	Psat1(+257148)	N/A
Chr19	15668317	15668584	Chr19.18484	Psat1(+256608)	N/A
Chr19	15727064	15727300	Chr19.18509	Psat1(+197877)	N/A
Chr19	15732724	15732852	Chr19.18517	Psat1(+192271)	N/A
Chr19	15745450	15745795	Chr19.18530	Psat1(+179436)	N/A
Chr19	15770748	15770868	Chr19.18553	Psat1(+154251)	N/A
Chr19	15827682	15827843	Chr19.18620	Psat1(+97296)	N/A
Chr19	16022225	16022464	Chr19.18796	Gnaq(-110486),Cep78(-37356)	N/A
Chr19	16050791	16050890	Chr19.18804	Gnaq(-81990),Cep78(-65852)	N/A
Chr19	16133863	16134094	Chr19.18834	Gna14(-301678),Gnaq(+1158)	N/A
Chr19	16134540	16134721	Chr19.18841	Gna14(-301038),Gnaq(+1800)	N/A
Chr19	16138595	16138772	Chr19.18857	Gna14(-296983),Gnaq(+5853)	N/A
Chr19	16142013	16142127	Chr19.18870	Gna14(-293597),Gnaq(+9239)	N/A
Chr19	16159843	16159993	Chr19.18876	Gna14(-275749),Gnaq(+27087)	N/A
Chr19	16167318	16167335	Chr19.18884	Gna14(-266240),Gnaq(+34596)	N/A
Chr19	16182050	16182248	Chr19.18909	Gna14(-252518),Gnaq(+49318)	N/A
Chr19	16200347	16200497	Chr19.18941	Gna14(-235245),Gnaq(+67591)	N/A
Chr19	16286619	16286786	Chr19.19012	Gna14(-148964),Gnaq(+153872)	N/A
Chr19	16328179	16328358	Chr19.19068	Gna14(-107398),Gnaq(+195438)	N/A
Chr19	16387396	16387581	Chr19.19150	Gna14(-48178),Gnaq(+254658)	N/A
Chr19	16387722	16387821	Chr19.19156	Gna14(-47895),Gnaq(+254941)	N/A
Chr19	16557076	16557271	Chr19.19233	Gna14(-121507),Vps13a(+232648)	N/A
Chr19	16846697	16846811	Chr19.19551	Vps13a(-65932),Foxb2(+27076)	N/A
Chr19	16859259	16859428	Chr19.19558	Vps13a(-78522),Foxb2(+14486)	N/A
Chr19	16874545	16874645	Chr19.19600	Foxb2(-765)	N/A
Chr19	16955800	16955916	Chr19.19647	Prune2(-260)	N/A
Chr19	17029673	17029873	Chr19.19743	Prune2(-73655),Gcnt1(+326894)	N/A
Chr19	17136721	17136847	Chr19.19939	Prune2(+180666),Gcnt1(+219883)	N/A
Chr19	17223230	17223380	Chr19.20010	Gcnt1(+133362),Prune2(+267187)	N/A
Chr19	17271422	17271563	Chr19.20022	Gcnt1(+85174),Prune2(+315375)	N/A
Chr19	17471989	17472108	Chr19.20024	Rps8kb2(-8695),Carns1(+3430)	N/A
Chr19	17471870	17472111	Chr19.20214	Rfk(-77948),Pcsk5(+355641)	N/A
Chr19	17560704	17560902	Chr19.20378	Rfk(-166760),Pcsk5(+276829)	N/A
Chr19	17589311	17589470	Chr19.20431	Rfk(+195348),Pcsk5(+248241)	N/A
Chr19	17591519	17591646	Chr19.20443	Rfk(+197540),Pcsk5(+246049)	N/A
Chr19	17593312	17593491	Chr19.20447	Rfk(+199359),Pcsk5(+244230)	N/A
Chr19	17603454	17603598	Chr19.20469	Rfk(+209463),Pcsk5(+234106)	N/A
Chr19	17605556	17605670	Chr19.20479	Rfk(+212573),Pcsk5(+231014)	N/A
Chr19	17615666	17616116	Chr19.20498	Pcsk5(+221741),Rfk(+221848)	N/A
Chr19	17636001	17636295	Chr19.20523	Pcsk5(+201484),Rfk(+242105)	N/A
Chr19	17646525	17646710	Chr19.20556	Pcsk5(+191014),Rfk(+252575)	N/A
Chr19	17650939	17651108	Chr19.20662	Pcsk5(+186608),Rfk(+256981)	N/A
Chr19	17659456	17659610	Chr19.20677	Pcsk5(+178099),Rfk(+265498)	N/A
Chr19	17707318	17707456	Chr19.20636	Pcsk5(+130245),Rfk(+313344)	N/A
Chr19	17717099	17717204	Chr19.20652	Pcsk5(+120480),Rfk(+323109)	N/A
Chr19	1491014	4191167	Chr19.2067	Ppp1caa(-1067),Tbc1d10c(-44)	N/A
Chr19	17762972	17763106	Chr19.20720	Pcsk5(+74593),Rfk(+368996)	N/A
Chr19	17819138	17819282	Chr19.20794	Pcsk5(+18422),Rfk(+425167)	N/A
Chr19	17831541	17831687	Chr19.20808	Pcsk5(+6018),Rfk(+437571)	N/A
Chr19	17837960	17838101	Chr19.20823	Pcsk5(-399)	N/A
Chr19	18068869	18069095	Chr19.21013	Pcsk5(-231350),Ostf1(+562807)	N/A
Chr19	4195283	4195418	Chr19.2103	Tbc1d10c(-4304),Ppp1caa(+3193)	N/A
Chr19	18254883	18255236	Chr19.21135	Pcsk5(-471428),Ostf1(+376729)	N/A
Chr19	4198982	4198994	Chr19.2115	RadBel(-4655),Ppp1caa(+4780)	N/A
Chr19	18342985	18343089	Chr19.21242	Pcsk5(-505405),Ostf1(+288752)	N/A

Chr19	18420346	18420654	Chr19.21306	Pcsk5(-582868), Ostf1(+211289)	N/A
Chr19	4208755	4208898	Chr19.2142	Rad9a(-7224), Clcf1(-5411)	N/A
Chr19	18616437	18616561	Chr19.21420	Pcsk3(-77887), Ostf1(+15290)	N/A
Chr19	4209126	4209247	Chr19.2143	Rad9a(-7584), Clcf1(-5051)	N/A
Chr19	4213300	4213527	Chr19.2151	Clcf1(-824)	N/A
Chr19	4213572	4213701	Chr19.2155	Clcf1(-601)	N/A
Chr19	4213739	4213931	Chr19.2158	Clcf1(-403)	N/A
Chr19	4217839	4218016	Chr19.2162	Pol4(-13970), Clcf1(+3691)	N/A
Chr19	4218885	4219095	Chr19.2163	Pol4(-13859), Clcf1(+4802)	N/A
Chr19	4220475	4220795	Chr19.2168	Pol4(-11264), Clcf1(+4397)	N/A
Chr19	4220888	4221219	Chr19.2170	Pol4(-10845), Clcf1(+6816)	N/A
Chr19	18879392	18879502	Chr19.21753	Rorb(+121670), Trpm5(+129464)	N/A
Chr19	4229872	4230010	Chr19.2198	Pol4(-1958)	N/A
Chr19	4230568	4230731	Chr19.2201	Pol4(-1249)	N/A
Chr19	4231486	4231673	Chr19.2203	Pol4(-319)	N/A
Chr19	19110545	19110747	Chr19.22205	Rorb(-108529)	N/A
Chr19	19248739	19249008	Chr19.22309	Rorb(-247757)	N/A
Chr19	19977689	19977904	Chr19.22723	Rorb(-976680), Anxa1(+413147)	N/A
Chr19	203444781	20344924	Chr19.22946	Anxa1(+46091)	N/A
Chr19	20389887	20389995	Chr19.22991	Anxa1(-1003)	N/A
Chr19	20390889	20390814	Chr19.22998	Anxa1(+192)	N/A
Chr19	20401830	20401958	Chr19.23002	Aldh1a1(-200067), Anxa1(-10950)	N/A
Chr19	20402075	20402372	Chr19.23004	Aldh1a1(-199737), Anxa1(-11280)	N/A
Chr19	20600210	20600348	Chr19.23078	Aldh1a1(-1682)	N/A
Chr19	21144692	21144879	Chr19.23480	Tmc1(-190584), Zland5(-127492)	N/A
Chr19	21165775	21165885	Chr19.23509	Tmc1(-211628), Zland5(-106448)	N/A
Chr19	21227127	21227306	Chr19.23547	Tmc1(-273015), Zland5(-45061)	N/A
Chr19	21274847	21274959	Chr19.23566	Zland5(+2625), Gda(+197769)	N/A
Chr19	4285976	4286082	Chr19.2371	Ankrd13d(-2894)	N/A
Chr19	21629568	21629802	Chr19.23797	1110059e24rik(+23291), Gm3443(+74011)	N/A
Chr19	21779077	21779181	Chr19.23880	Cemp2(+787)	N/A
Chr19	21789824	21789959	Chr19.23897	Trpm3(-348227), Cemp2(+11550)	N/A
Chr19	21799909	21800112	Chr19.23934	Trpm3(-339108), Cemp2(+21669)	N/A
Chr19	21814519	21814747	Chr19.23977	Trpm3(-324486), Cemp2(+36291)	N/A
Chr19	21882736	21882878	Chr19.24097	Trpm3(-256312), Cemp2(+104465)	N/A
Chr19	22045217	22045456	Chr19.24199	Trpm3(-83782), Cemp2(+266995)	N/A
Chr19	22100755	22100874	Chr19.24262	Trpm3(-38304), Cemp2(+322473)	N/A
Chr19	4294508	4294642	Chr19.2438	Ankrd13d(-11440), Grk2(-11380)	N/A
Chr19	22304130	22304285	Chr19.24412	Klf9(-837018), Trpm3(+165089)	N/A
Chr19	4302354	4302555	Chr19.2450	Ankrd13d(-19320), Grk2(+3500)	N/A
Chr19	22447970	22448485	Chr19.24502	Klf9(-662998), Trpm3(+309109)	N/A
Chr19	22554368	22554626	Chr19.24597	Klf9(-586729), Trpm3(+415378)	N/A
Chr19	22554800	22555064	Chr19.24600	Klf9(-586294), Trpm3(+15813)	N/A
Chr19	4304344	4304497	Chr19.2464	Ankrd13d(-21286), Grk2(+1534)	N/A
Chr19	22656982	22657319	Chr19.24657	Klf9(-484075), Trpm3(+518032)	N/A
Chr19	22692497	22692713	Chr19.24690	Klf9(-448621), Trpm3(+553486)	N/A
Chr19	4316883	4317038	Chr19.2479	Grk2(-11006), Kdm2a(+80116)	N/A
Chr19	43171106	4317370	Chr19.2481	Grk2(-11283), Kdm2a(-79339)	N/A
Chr19	22824615	22824741	Chr19.24835	Klf9(-316548), Trpm3(+685558)	N/A
Chr19	4317422	4317550	Chr19.2484	Grk2(-11531), Kdm2a(+79591)	N/A
Chr19	22884492	22884628	Chr19.24875	Klf9(-256666), Trpm3(+745441)	N/A
Chr19	4317974	4318106	Chr19.2490	Grk2(-12085), Kdm2a(+79037)	N/A
Chr19	22905180	22905426	Chr19.24929	Klf9(-235923), Trpm3(+766184)	N/A
Chr19	22916719	22916879	Chr19.24951	Klf9(-224427), Trpm3(+777680)	N/A
Chr19	4318561	4318753	Chr19.2496	Grk2(-12702), Kdm2a(+78420)	N/A
Chr19	22926858	22927129	Chr19.24969	Klf9(-214232), Trpm3(+787875)	N/A
Chr19	22927373	22927485	Chr19.24974	Klf9(-213797), Trpm3(+788310)	N/A
Chr19	22927788	22927941	Chr19.24980	Klf9(-213361), Trpm3(+788746)	N/A
Chr19	22938954	22939054	Chr19.24986	Klf9(-202236), Trpm3(+799871)	N/A
Chr19	23056919	23057079	Chr19.25149	Klf9(-84227), Trpm3(+917880)	N/A
Chr19	23065749	23065894	Chr19.25158	Klf9(-75404), Trpm3(+926703)	N/A
Chr19	23135845	23135962	Chr19.25196	Klf9(-5322), Trpm3(+996785)	N/A
Chr19	23136192	23136315	Chr19.25199	Klf9(-4972)	N/A
Chr19	23136566	23136707	Chr19.25201	Klf9(-4589)	N/A
Chr19	23140646	23140778	Chr19.25209	Klf9(-514)	N/A
Chr19	23140984	23141243	Chr19.25212	Klf9(-112)	N/A
Chr19	23142672	23142838	Chr19.25225	Klf9(+1529), Smc5(+131142)	N/A
Chr19	4332609	4332829	Chr19.2541	Grk2(-26764), Kdm2a(+64358)	N/A
Chr19	4333060	4333410	Chr19.2546	Grk2(-27280), Kdm2a(+63842)	N/A
Chr19	4333578	4333768	Chr19.2554	Grk2(-27717), Kdm2a(+63405)	N/A
Chr19	23497291	23497388	Chr19.25595	Gm9493(-122397), Mamdc2(-49023)	N/A
Chr19	23497437	23497552	Chr19.25597	Gm9493(-122247), Mamdc2(-49173)	N/A
Chr19	23507748	23507946	Chr19.25605	Gm9493(-11895), Mamdc2(-59525)	N/A
Chr19	23688532	23688646	Chr19.25727	Gm9938(-34690), Ptar1(+1189)	N/A
Chr19	23688685	23688796	Chr19.25729	Gm9938(-34539), Ptar1(+1340)	N/A
Chr19	23746555	23746734	Chr19.25782	Apba1(-12231), Gm9938(-23395)	N/A
Chr19	23778924	23778955	Chr19.25820	Apba1(+20014), Fam189a2(+252129)	N/A
Chr19	23801269	23801414	Chr19.25857	Apba1(+42466), Fam189a2(+229677)	N/A
Chr19	24142776	24142994	Chr19.26310	1700021p04rik(+78092), Tjp2(+82141)	N/A
Chr19	24160552	24160695	Chr19.26318	Tjp2(+64402), 1700021p04rik(+95831)	N/A
Chr19	24163982	24164114	Chr19.26321	Tjp2(+60973), 1700021p04rik(+99260)	N/A
Chr19	24202774	24202404	Chr19.26354	Tjp2(+24687), 1700021p04rik(+135546)	N/A
Chr19	24225509	24225608	Chr19.26372	Tjp2(-533)	N/A
Chr19	24243420	24243566	Chr19.26378	Tjp2(-18467), Fxn(+37112)	N/A
Chr19	24453325	24453583	Chr19.26551	Fxn(-172849), Fam122a(+23902)	N/A
Chr19	24551628	24551781	Chr19.26635	Fam122a(-74349), Ptpn19(+4167)	N/A
Chr19	24671643	24671742	Chr19.26896	Tmem252(-2315)	N/A
Chr19	24716558	24716716	Chr19.26767	Tmem252(-42629), Pgm5(+145218)	N/A
Chr19	24735921	24736208	Chr19.26791	Tmem252(+62057), Pgm5(+125790)	N/A
Chr19	24779917	24780114	Chr19.26825	Pgm5(+81839), Tmem252(+106008)	N/A
Chr19	24784622	24784744	Chr19.26835	Pgm5(+77172), Tmem252(+110675)	N/A
Chr19	24784923	24785047	Chr19.26838	Pgm5(+76870), Tmem252(+110977)	N/A
Chr19	24797678	24797882	Chr19.26852	Pgm5(+64065), Tmem252(+127678)	N/A
Chr19	24811563	24811674	Chr19.26861	Pgm5(+60236), Tmem252(+137611)	N/A
Chr19	24812843	24813132	Chr19.26871	Pgm5(+48867), Tmem252(+138980)	N/A
Chr19	24845308	24845439	Chr19.26896	Pgm5(+16481), Tmem252(+171366)	N/A
Chr19	24848442	24848814	Chr19.26998	Pgm5(+13227), Tmem252(+174620)	N/A
Chr19	4510184	4510584	Chr19.26991	Pax(-89)	N/A
Chr19	24862261	24862401	Chr19.26918	Pgm5(-476)	N/A
Chr19	24929231	24929330	Chr19.26959	Foxd4(-27972), Cbw1(+32335)	N/A
Chr19	25060688	25060908	Chr19.27046	Kank1(-176177), Dock8(+61269)	N/A
Chr19	25077685	25077906	Chr19.27080	Kank1(-159179), Dock8(+78267)	N/A
Chr19	25105744	25105874	Chr19.27151	Kank1(-131168), Dock8(+106280)	N/A
Chr19	25267637	25267811	Chr19.27361	Dmrt1(-237894), Kank1(+30749)	N/A
Chr19	25277904	25278173	Chr19.27376	Dmrt1(-227579), Kank1(+41064)	N/A
Chr19	25325843	25326309	Chr19.27412	Dmrt1(-179542), Kank1(+89101)	N/A
Chr19	25344099	25344229	Chr19.27430	Dmrt1(-161454), Kank1(+107189)	N/A
Chr19	25351491	25351621	Chr19.27437	Dmrt1(-154062), Kank1(+114581)	N/A
Chr19	25395158	25395382	Chr19.27482	Dmrt1(-110548), Kank1(+150295)	N/A
Chr19	25434391	25434495	Chr19.27670	Dmrt1(-171178), Kank1(-197468)	N/A
Chr19	25537316	25537454	Chr19.27733	Dmrt3(-73152), Dmrt1(+31767)	N/A
Chr19	25575476	25575709	Chr19.27769	Dmrt3(-34944), Dmrt1(+69975)	N/A
Chr19	25598754	25599036	Chr19.27793	Dmrt3(-11642), Dmrt1(+93277)	N/A
Chr19	25654214	25654387	Chr19.27911	Dmrt2(-18119), Dmrt3(+43764)	N/A
Chr19	25654437	25654740	Chr19.27916	Dmrt2(-17831), Dmrt3(+44052)	N/A
Chr19	25672275	25672399	Chr19.27941	Dmrt2(-83)	N/A
Chr19	25676625	25676768	Chr19.27956	Smarca2(-928418), Dmrt2(+4277)	N/A
Chr19	25718191	25718298	Chr19.28089	Smarca2(-823870), Dmrt2(+108825)	N/A
Chr19	25782080	25782323	Chr19.28104	Smarca2(-822913), Dmrt2(+109782)	N/A
Chr19	25846888	25846863	Chr19.28164	Smarca2(-758354), Dmrt2(+174341)	N/A
Chr19	25871375	25871568	Chr19.28206	Smarca2(-733643), Dmrt2(+199052)	N/A
Chr19	25923790	25924199	Chr19.28248	Smarca2(-681120), Dmrt2(+251575)	N/A
Chr19	25971016	25971148	Chr19.28284	Smarca2(-634033), Dmrt2(+298662)	N/A
Chr19	260026291	260026477	Chr19.28359	Smarca2(-578731), Dmrt2(+353964)	N/A
Chr19	26041735	26042154	Chr19.28381	Smarca2(-563170), Dmrt2(+369525)	N/A
Chr19	26051772	26052158	Chr19.28392	Smarca2(-553150), Dmrt2(+379545)	N/A
Chr19	26234943	26234946	Chr19.28529	Smarca2(-370220), Dmrt2(+562475)	N/A
Chr19	26243317	26243317	Chr19.28540	Smarca2(-360977), Dmrt2(+571718)	N/A
Chr19	26478314	26478499	Chr19.28739	Smarca2(-126708), Dmrt2(+805987)	N/A
Chr19	26509400	26509638	Chr19.28773	Smarca2(-95596), Dmrt2(+837099)	N/A
Chr19	26509880	26509880	Chr19.28775	Smarca2(-953772), Dmrt2(+837323)	N/A
Chr19	26510277	26510379	Chr19.28780	Smarca2(-94787), Dmrt2(+837908)	N/A
Chr19	26520461	26520674	Chr19.28796	Smarca2(-84547), Dmrt2(+848148)	N/A
Chr19	26532669	26532859	Chr19.28820	Smarca2(-72351), Dmrt2(+860344)	N/A
Chr19	26547592	26547759	Chr19.28844	Smarca2(-57439), Dmrt2(+875256)	N/A
Chr19	26547958	26548290	Chr19.28845	Smarca2(-56991), Dmrt2(+875704)	N/A
Chr19	26586056	26586313	Chr19.28865	Smarca2(-36930), Dmrt2(+893765)	N/A
Chr19	26603636	26603905	Chr19.28922	Smarca2(-1344)	N/A

Chr19	26604959	26605202	Chr19.28934	<i>Smarca2(-34)</i>	N/A
Chr19	26605150	26605311	Chr19.28939	<i>Smarca2(+310)</i>	N/A
Chr19	26605750	26605911	Chr19.28946	<i>Smarca2(+716)</i>	N/A
Chr19	26607922	26608073	Chr19.28952	<i>Gm815(-27392),Rfx3(+58834)</i>	N/A
Chr19	26622721	26623225	Chr19.28994	<i>Gm815(-262952),Smarca2(+17858)</i>	N/A
Chr19	26730532	26730682	Chr19.29214	<i>Gm815(-155318),Smarca2(+125492)</i>	N/A
Chr19	26748275	26748588	Chr19.29226	<i>Gm815(-137493),Smarca2(+143317)</i>	N/A
Chr19	26748749	26749102	Chr19.29230	<i>Gm815(-136999),Smarca2(+143811)</i>	N/A
Chr19	26749050	26750464	Chr19.29240	<i>Gm815(-135918),Smarca2(+144892)</i>	N/A
Chr19	26750572	26750827	Chr19.29246	<i>Gm815(-135255),Smarca2(+145589)</i>	N/A
Chr19	26769656	26769839	Chr19.29277	<i>Gm815(-116177),Smarca2(+164633)</i>	N/A
Chr19	26865841	26866025	Chr19.29332	<i>Gm815(-19992),Smarca2(+260818)</i>	N/A
Chr19	26870486	26870627	Chr19.29337	<i>Gm815(-15368),Smarca2(+265442)</i>	N/A
Chr19	26891429	26891587	Chr19.29362	<i>Vldlr(-325849),Gm815(+5563)</i>	N/A
Chr19	26978466	26978623	Chr19.29395	<i>Vldlr(-238912),Gm815(+9262)</i>	N/A
Chr19	27066873	27067012	Chr19.29423	<i>Vldlr(-150414),Gm815(+181018)</i>	N/A
Chr19	27123241	27123416	Chr19.29445	<i>Vldlr(-94028),Gm815(+237404)</i>	N/A
Chr19	4647289	4647416	Chr19.2945	<i>Rce1(-21736),Gm960(+51315)</i>	N/A
Chr19	27145009	27145125	Chr19.29453	<i>Vldlr(-72290),Gm815(+259142)</i>	N/A
Chr19	27216887	27217022	Chr19.29510	<i>Vldlr(-397)</i>	N/A
Chr19	27227282	27227388	Chr19.29529	<i>Kcnv2(-98254),Vldlr(+9977)</i>	N/A
Chr19	27260333	27260464	Chr19.29629	<i>Kcnv2(-62189),Vldlr(+43042)</i>	N/A
Chr19	27581878	27582110	Chr19.29882	<i>Pum3(-152174),Rfx3(+400954)</i>	N/A
Chr19	4699073	4699212	Chr19.2992	<i>Gm960(-475)</i>	N/A
Chr19	4711333	4711532	Chr19.3009	<i>Sptbn2(+225)</i>	N/A
Chr19	27917002	27917226	Chr19.30158	<i>Pum3(-487294),Rfx3(+58834)</i>	N/A
Chr19	28003602	28003759	Chr19.30227	<i>Rfx3(-20733),Gls3(+296697)</i>	N/A
Chr19	28009648	28009755	Chr19.30236	<i>Rfx3(-26754),Gls3(+290676)</i>	N/A
Chr19	28009935	28010057	Chr19.30239	<i>Rfx3(-27048),Gls3(+290382)</i>	N/A
Chr19	28067649	28067904	Chr19.30286	<i>Rfx3(-104829),Gls3(+212601)</i>	N/A
Chr19	28088214	28088655	Chr19.30288	<i>Rfx3(-109435),Gls3(+211995)</i>	N/A
Chr19	28089243	28089430	Chr19.30294	<i>Rfx3(-106389),Gls3(+211041)</i>	N/A
Chr19	28111668	28112039	Chr19.30322	<i>Rfx3(-128906),Gls3(+188524)</i>	N/A
Chr19	4721353	4721537	Chr19.3033	<i>Rbm4b(-35126),Sptbn2(+10237)</i>	N/A
Chr19	28171621	28171822	Chr19.30375	<i>Rfx3(-188774),Gls3(+128656)</i>	N/A
Chr19	28258744	28259140	Chr19.30458	<i>Rfx3(-279994),Gls3(+41436)</i>	N/A
Chr19	28259178	28259600	Chr19.30464	<i>Rfx3(-276414),Gls3(+40989)</i>	N/A
Chr19	28267370	28267503	Chr19.30482	<i>Rfx3(-294489),Gls3(+32941)</i>	N/A
Chr19	28300358	28300565	Chr19.30560	<i>Gls3(-84)</i>	N/A
Chr19	28302907	28303110	Chr19.30565	<i>Gls3(-2631)</i>	N/A
Chr19	28328635	28328759	Chr19.30627	<i>Gls3(-28319),Gls3(+351380)</i>	N/A
Chr19	28333093	28333329	Chr19.30639	<i>Gls3(-32833),Gls3(+346866)</i>	N/A
Chr19	28333376	28333484	Chr19.30645	<i>Gls3(-33052),Gls3(+346647)</i>	N/A
Chr19	28336105	28336264	Chr19.30649	<i>Gls3(-35807),Gls3(+343882)</i>	N/A
Chr19	28337050	28337372	Chr19.30656	<i>Gls3(-36833),Gls3(+342866)</i>	N/A
Chr19	28337706	28337781	Chr19.30661	<i>Gls3(-37411),Gls3(+342288)</i>	N/A
Chr19	28347416	28347545	Chr19.30668	<i>Gls3(-47103),Gls3(+332596)</i>	N/A
Chr19	28351137	28351237	Chr19.30676	<i>Gls3(-50809),Gls3(+32890)</i>	N/A
Chr19	28351424	28351536	Chr19.30678	<i>Gls3(-51102),Gls3(+328597)</i>	N/A
Chr19	28354625	28354802	Chr19.30687	<i>Gls3(-54336),Gls3(+325363)</i>	N/A
Chr19	28374702	28375296	Chr19.30761	<i>Gls3(-74621),Gls3(+305078)</i>	N/A
Chr19	28376403	28376722	Chr19.30766	<i>Gls3(-76185),Gls3(+303514)</i>	N/A
Chr19	28377253	28377498	Chr19.30775	<i>Gls3(-76998),Gls3(+302701)</i>	N/A
Chr19	28382399	28382622	Chr19.30803	<i>Gls3(-82233),Gls3(+297466)</i>	N/A
Chr19	28382861	28382999	Chr19.30809	<i>Gls3(-82552),Gls3(+297147)</i>	N/A
Chr19	28394791	28394972	Chr19.30844	<i>Gls3(-94504),Gls3(+285195)</i>	N/A
Chr19	28399452	28399678	Chr19.30856	<i>Gls3(-99187),Gls3(+280512)</i>	N/A
Chr19	28408866	28409049	Chr19.30878	<i>Gls3(-108580),Gls3(+271119)</i>	N/A
Chr19	28436551	28436721	Chr19.30907	<i>Gls3(-136258),Gls3(+243441)</i>	N/A
Chr19	28452677	28453168	Chr19.30936	<i>Gls3(-152645),Gls3(+227054)</i>	N/A
Chr19	28464351	28464455	Chr19.30967	<i>Gls3(-164025),Gls3(+215674)</i>	N/A
Chr19	28475331	28475473	Chr19.30985	<i>Gls3(-175024),Gls3(+204675)</i>	N/A
Chr19	28518483	28518688	Chr19.31062	<i>Gls3(-218208),Gls3(+161491)</i>	N/A
Chr19	28525345	28525477	Chr19.31087	<i>Gls3(-225033),Gls3(+154666)</i>	N/A
Chr19	28557728	28557849	Chr19.31189	<i>Gls3(-257411),Gls3(+122288)</i>	N/A
Chr19	28558407	28558511	Chr19.31198	<i>Gls3(-258081),Gls3(+121618)</i>	N/A
Chr19	28561028	28561299	Chr19.31205	<i>Gls3(-260786),Gls3(+118913)</i>	N/A
Chr19	28566805	28566949	Chr19.31218	<i>Gls3(-266499),Gls3(+113200)</i>	N/A
Chr19	28579892	28580294	Chr19.31239	<i>Gls3(-279715),Gls3(+99954)</i>	N/A
Chr19	28608371	28608555	Chr19.31289	<i>Gls3(-308064),Gls3(+71615)</i>	N/A
Chr19	28608731	28608884	Chr19.31294	<i>Gls3(-308420),Gls3(+71279)</i>	N/A
Chr19	28608912	28609068	Chr19.31298	<i>Gls3(-308612),Gls3(+71087)</i>	N/A
Chr19	28636052	28636502	Chr19.31345	<i>Gls3(-335899),Gls3(+43800)</i>	N/A
Chr19	28678733	28678915	Chr19.31423	<i>Gls3(-378446),Gls3(+1253)</i>	N/A
Chr19	28679692	28679823	Chr19.31432	<i>Gls3(+191)</i>	N/A
Chr19	28745617	28745902	Chr19.31492	<i>Slc1a1(-89314),Gls3(-65683)</i>	N/A
Chr19	28751053	28751376	Chr19.31500	<i>Slc1a1(-83859),Gls3(-71138)</i>	N/A
Chr19	28991547	28991677	Chr19.31695	<i>Cdc371(+11118),Ak3(+56349)</i>	N/A
Chr19	29252866	29252982	Chr19.31807	<i>Jak2(+1096),Irf1(+72432)</i>	N/A
Chr19	30117835	30117979	Chr19.32413	<i>Gls3(+57511),Uhrf1(+87394)</i>	N/A
Chr19	30259447	30259568	Chr19.32516	<i>Mbi2(+62638),Dkk1(+254099)</i>	N/A
Chr19	30303338	30303545	Chr19.32520	<i>Mbi2(+10514),Dkk1(+246223)</i>	N/A
Chr19	30337063	30337552	Chr19.32546	<i>Mbi2(+104380),Dkk1(+212357)</i>	N/A
Chr19	30354455	30354909	Chr19.32554	<i>Mbi2(+121754),Dkk1(+194983)</i>	N/A
Chr19	30355250	30355405	Chr19.32561	<i>Mbi2(+122400),Dkk1(+194337)</i>	N/A
Chr19	30371933	30372140	Chr19.32574	<i>Mbi2(+139170),Dkk1(+177628)</i>	N/A
Chr19	30372216	30372435	Chr19.32579	<i>Mbi2(+139398),Dkk1(+177339)</i>	N/A
Chr19	30380519	30380695	Chr19.32583	<i>Mbi2(+147679),Dkk1(+169058)</i>	N/A
Chr19	30391775	30392096	Chr19.32589	<i>Dkk1(+157729),Mbi2(+159008)</i>	N/A
Chr19	30393892	30394047	Chr19.32593	<i>Dkk1(+155695),Mbi2(+161042)</i>	N/A
Chr19	30419865	30420377	Chr19.32611	<i>Dkk1(+129544),Mbi2(+187193)</i>	N/A
Chr19	30421072	30421394	Chr19.32620	<i>Dkk1(+128432),Mbi2(+188305)</i>	N/A
Chr19	30421554	30421653	Chr19.32623	<i>Dkk1(+128051),Mbi2(+188676)</i>	N/A
Chr19	30435555	30435684	Chr19.32643	<i>Dkk1(+114045),Mbi2(+202692)</i>	N/A
Chr19	30451046	30451168	Chr19.32656	<i>Dkk1(+98558),Mbi2(+218179)</i>	N/A
Chr19	30498284	30498466	Chr19.32699	<i>Dkk1(+51290),Mbi2(+265447)</i>	N/A
Chr19	30545370	30545572	Chr19.32738	<i>Dkk1(+4194),Mbi2(+312543)</i>	N/A
Chr19	30550155	30550431	Chr19.32777	<i>Dkk1(-628)</i>	N/A
Chr19	31064775	31064886	Chr19.33117	<i>Dkk1(-515166),Csf2l2(-18010)</i>	N/A
Chr19	4756487	4756666	Chr19.3336	<i>Rbm4b(+6)</i>	N/A
Chr19	31330741	31330948	Chr19.33372	<i>Csf2l2(+248004),Prkg1(+333525)</i>	N/A
Chr19	31361275	31361529	Chr19.33416	<i>Csf2l2(+278561),Prkg1(+302968)</i>	N/A
Chr19	31424571	31424700	Chr19.33497	<i>Prkg1(+239734),Csf2l2(+341793)</i>	N/A
Chr19	4765252	4765720	Chr19.33560	<i>Rbm4b(+8915),Gm21992(-28391)</i>	N/A
Chr19	4785428	4785617	Chr19.3369	<i>Gm21992(+8354),Rbm4b(+28952)</i>	N/A
Chr19	31664382	31664490	Chr19.33758	<i>Prkg1(-66)</i>	N/A
Chr19	31757635	31757760	Chr19.33831	<i>Atcf(-111063),Prkg1(-93328)</i>	N/A
Chr19	31762739	31762880	Chr19.33858	<i>Atcf(-105961),Prkg1(-98430)</i>	N/A
Chr19	31763383	31763655	Chr19.33860	<i>Atcf(-102642),Prkg1(-99149)</i>	N/A
Chr19	31772283	31772393	Chr19.33870	<i>Prkg1(-107068),Atcf(-96423)</i>	N/A
Chr19	4793803	4794071	Chr19.3395	<i>Gm21992(-60),Rbm4(-36)</i>	N/A
Chr19	4799402	4799507	Chr19.3411	<i>Rbm4(-5554),Rbm14(+12179)</i>	N/A
Chr19	32211009	32211137	Chr19.34177	<i>Asah2(-149604),Sgms1(+138243)</i>	N/A
Chr19	32231997	32232163	Chr19.34202	<i>Asah2(-260611),Sgms1(+27236)</i>	N/A
Chr19	32341282	32341467	Chr19.34208	<i>Asah2(-279906),Sgms1(+7941)</i>	N/A
Chr19	4809701	4809813	Chr19.34339	<i>Rbm4(-15856),Rbm14(+1677)</i>	N/A
Chr19	4810653	4811018	Chr19.3442	<i>Rbm14(+798)</i>	N/A
Chr19	32757634	32757762	Chr19.34452	<i>Pten(+201)</i>	N/A
Chr19	32759326	32759441	Chr19.34461	<i>Pten(+1887),Rnls(+632881)</i>	N/A
Chr19	32759625	32759785	Chr19.34463	<i>Pten(+2208),Rnls(+632560)</i>	N/A
Chr19	32760890	32760859	Chr19.34471	<i>Pten(+3278),Rnls(+631490)</i>	N/A
Chr19	32901463	32901715	Chr19.34567	<i>Pten(+144092),Rnls(+490676)</i>	N/A
Chr19	32902033	32902156	Chr19.34572	<i>Pten(+144598),Rnls(+490170)</i>	N/A
Chr19	32903568	32904017	Chr19.34577	<i>Pten(+146296),Rnls(+488472)</i>	N/A
Chr19	32906195	32906371	Chr19.34584	<i>Pten(+148786),Rnls(+485982)</i>	N/A
Chr19	32923103	32923286	Chr19.34598	<i>Pten(+165703),Rnls(+498955)</i>	N/A
Chr19	32939841	32940012	Chr19.34609	<i>Pten(+182430),Rnls(+452338)</i>	N/A
Chr19	32974938	32975206	Chr19.34630	<i>Pten(+215755),Rnls(+417193)</i>	N/A
Chr19	33002257	33002487	Chr19.34657	<i>Pten(+244875),Rnls(+389893)</i>	N/A
Chr19	33010834	33010944	Chr19.34668	<i>Pten(+253392),Rnls(+381376)</i>	N/A
Chr19	33011082	33011443	Chr19.34669	<i>Pten(+253766),Rnls(+381002)</i>	N/A
Chr19	33022849	33023254	Chr19.34675	<i>Pten(+265555),Rnls(+369213)</i>	N/A
Chr19	33029885	33029987	Chr19.34692	<i>Pten(+272439),Rnls(+362329)</i>	N/A
Chr19	33035859	33036012	Chr19.34702	<i>Pten(+278439),Rnls(+356329)</i>	N/A
Chr19	33065635	33065959	Chr19.34735	<i>Pten(+308300),Rnls(+326468)</i>	N/A
Chr19	33068528	33068778	Chr19.34738	<i>Pten(+311156),Rnls(+323612)</i>	N/A
Chr19	33069872	33070073	Chr19.34743	<i>Pten(+312526),Rnls(+322242)</i>	N/A
Chr19	33075024	33075165	Chr19.34746	<i>Rnls(+317160),Pten(+317608)</i>	N/A

Chr19	33095030	33095362	Chr19.34775	<i>Rnls(+297069),Pten(+337699)</i>	N/A
Chr19	33102617	33102950	Chr19.34785	<i>Rnls(+289481),Pten(+345287)</i>	N/A
Chr19	33110023	33110130	Chr19.34799	<i>Rnls(+282188),Pten(+362580)</i>	N/A
Chr19	33110393	33110519	Chr19.34800	<i>Rnls(+261809),Pten(+352359)</i>	N/A
Chr19	33110633	33110805	Chr19.34805	<i>Rnls(+281546),Pten(+353222)</i>	N/A
Chr19	33134019	33134151	Chr19.34828	<i>Rnls(+258180),Pten(+376588)</i>	N/A
Chr19	33143440	33143620	Chr19.34844	<i>Rnls(+248735),Pten(+386033)</i>	N/A
Chr19	33223470	33223581	Chr19.34942	<i>Rnls(+168739),Pten(+466029)</i>	N/A
Chr19	33224021	33224191	Chr19.34947	<i>Rnls(+168159),Pten(+466600)</i>	N/A
Chr19	34254246	34254385	Chr19.35576	<i>Acta2(+1015),Stamps1(+62092)</i>	N/A
Chr19	34255283	34255543	Chr19.35583	<i>Acta2(-77)</i>	N/A
Chr19	34810859	34811012	Chr19.35845	<i>Slc16a12(-63647),Pank1(+68519)</i>	N/A
Chr19	34877971	34878118	Chr19.35901	<i>Slc16a12(-130756),Pank1(+1410)</i>	N/A
Chr19	34879129	34879240	Chr19.35909	<i>Pank1(+1270)</i>	N/A
Chr19	34879518	34879771	Chr19.35913	<i>Pank1(-190)</i>	N/A
Chr19	36120226	36120490	Chr19.36587	<i>Ankrd1(-514)</i>	N/A
Chr19	36166790	36166988	Chr19.36629	<i>Pcglf5(-242859),Ankrd1(-47045)</i>	N/A
Chr19	36207826	36208111	Chr19.36658	<i>Pcglf5(-201779),Ankrd1(-88125)</i>	N/A
Chr19	36208202	36208575	Chr19.36661	<i>Pcglf5(-201359),Ankrd1(-88545)</i>	N/A
Chr19	36213562	36213734	Chr19.36668	<i>Pcglf5(-196100),Ankrd1(-93804)</i>	N/A
Chr19	36340305	36340513	Chr19.36760	<i>Ankrd1(-223565),Pcglf5(-60339)</i>	N/A
Chr19	36553900	36554059	Chr19.36919	<i>Hectd2(-688)</i>	N/A
Chr19	36555263	36555496	Chr19.36921	<i>Hectd2(+712)</i>	N/A
Chr19	36581172	36581357	Chr19.36955	<i>Hectd2(+26597),Ppp1r3c(+155388)</i>	N/A
Chr19	36696596	36696887	Chr19.37087	<i>Ppp1r3c(+39921),Hectd2(+142064)</i>	N/A
Chr19	36701633	36701748	Chr19.37093	<i>Ppp1r3c(+34962),Hectd2(+147023)</i>	N/A
Chr19	36701630	36702120	Chr19.37100	<i>Ppp1r3c(+34678),Hectd2(+147307)</i>	N/A
Chr19	36705702	36705825	Chr19.37104	<i>Ppp1r3c(+30889),Hectd2(+151096)</i>	N/A
Chr19	36705998	36706131	Chr19.37107	<i>Ppp1r3c(+30588),Hectd2(+151397)</i>	N/A
Chr19	36801587	36801753	Chr19.37167	<i>Ppp1r3c(-65017),Trks2(-32562)</i>	N/A
Chr19	36835982	36836161	Chr19.37184	<i>Trks2(-1840),Fgfbp3(+83543)</i>	N/A
Chr19	36904279	36904467	Chr19.37274	<i>Fgfbp3(+15242),Trks2(+70141)</i>	N/A
Chr19	36911812	36911980	Chr19.37283	<i>Fgfbp3(+7719),Trks2(+77664)</i>	N/A
Chr19	36927366	36927465	Chr19.37308	<i>Btaf1(+1337),Cpeb3(+280046)</i>	N/A
Chr19	36982769	36983110	Chr19.37353	<i>Btaf1(+56861),Cpeb3(+224522)</i>	N/A
Chr19	37019320	37019426	Chr19.37411	<i>Btaf1(+93294),Cpeb3(+188089)</i>	N/A
Chr19	37023294	37023429	Chr19.37428	<i>Btaf1(+97283),Cpeb3(+184109)</i>	N/A
Chr19	37059782	37059901	Chr19.37476	<i>Btaf1(+133753),Cpeb3(+147630)</i>	N/A
Chr19	37075994	37076101	Chr19.37498	<i>Cpeb3(+131414),Btaf1(+149969)</i>	N/A
Chr19	37090249	37090392	Chr19.37508	<i>Cpeb3(+117141),Btaf1(+164242)</i>	N/A
Chr19	37119332	37119477	Chr19.37527	<i>Cpeb3(+88057),Btaf1(+193326)</i>	N/A
Chr19	37175029	37175134	Chr19.37575	<i>Cpeb3(-32380),Btaf1(+249003)</i>	N/A
Chr19	37175181	37175438	Chr19.37577	<i>Cpeb3(-32152),Btaf1(+249231)</i>	N/A
Chr19	37175507	37175667	Chr19.37578	<i>Cpeb3(-31875),Btaf1(+249508)</i>	N/A
Chr19	37175921	37176075	Chr19.37579	<i>Cpeb3(+31464),Btaf1(+249919)</i>	N/A
Chr19	37178092	37178357	Chr19.37599	<i>Cpeb3(+29237),Btaf1(+252146)</i>	N/A
Chr19	37207419	37207557	Chr19.37613	<i>March5(-53),Cpeb3(-26)</i>	N/A
Chr19	37259463	37269607	Chr19.37666	<i>Id4(+61068),March5(+62002)</i>	N/A
Chr19	37287107	37287241	Chr19.37694	<i>Id4(+43439),March5(+79631)</i>	N/A
Chr19	37494056	37494465	Chr19.37931	<i>Exoc6(-56157),Hhex(+61374)</i>	N/A
Chr19	37561610	37561934	Chr19.38004	<i>Cyp26c1(-123809),Exoc6(+11354)</i>	N/A
Chr19	37695827	37695962	Chr19.38228	<i>Cyp26a1(-1913)</i>	N/A
Chr19	37697640	37697821	Chr19.38233	<i>Cyp26a1(-77)</i>	N/A
Chr19	37777927	37778130	Chr19.38333	<i>Cyp26a1(-80221),Myof(+265548)</i>	N/A
Chr19	37789436	37789796	Chr19.38345	<i>Cyp26a1(+91808),Myof(+253961)</i>	N/A
Chr19	37790864	37791133	Chr19.38352	<i>Cyp26a1(+93191),Myof(+252578)</i>	N/A
Chr19	37800197	37800478	Chr19.38377	<i>Cyp26a1(+102530),Myof(+243239)</i>	N/A
Chr19	37814549	37814935	Chr19.38404	<i>Cyp26a1(+116934),Myof(+228835)</i>	N/A
Chr19	37842437	37842644	Chr19.38414	<i>Cyp26a1(+144733),Myof(+201038)</i>	N/A
Chr19	37851551	37852057	Chr19.38422	<i>Cyp26a1(+153966),Myof(+191773)</i>	N/A
Chr19	37880898	37881017	Chr19.38453	<i>Myof(+162819),Cyp26a1(+183150)</i>	N/A
Chr19	37881505	37881666	Chr19.38454	<i>Myof(+161991),Cyp26a1(+183778)</i>	N/A
Chr19	37881706	37882081	Chr19.38458	<i>Myof(+161683),Cyp26a1(+184086)</i>	N/A
Chr19	37886012	37886206	Chr19.38468	<i>Myof(+157468),Cyp26a1(+188307)</i>	N/A
Chr19	37886764	37887019	Chr19.38473	<i>Myof(+156835),Cyp26a1(+189086)</i>	N/A
Chr19	37895418	37895686	Chr19.38479	<i>Myof(+148025),Cyp26a1(+197744)</i>	N/A
Chr19	37896059	37896345	Chr19.38484	<i>Myof(+147375),Cyp26a1(+198394)</i>	N/A
Chr19	37896923	37897117	Chr19.38490	<i>Myof(+146557),Cyp26a1(+199212)</i>	N/A
Chr19	37902014	37902145	Chr19.38500	<i>Myof(+141497),Cyp26a1(+204272)</i>	N/A
Chr19	37907844	37908224	Chr19.38520	<i>Myof(+135549),Cyp26a1(+210229)</i>	N/A
Chr19	37918820	37918741	Chr19.38546	<i>Myof(+124968),Cyp26a1(+220873)</i>	N/A
Chr19	37918770	37918875	Chr19.38552	<i>Myof(+124754),Cyp26a1(+221015)</i>	N/A
Chr19	38004184	38004359	Chr19.38759	<i>Myof(+39305),Cyp26a1(+306464)</i>	N/A
Chr19	38238238	38238386	Chr19.39024	<i>Lgl1(-26470),Fra10ac1(-14174)</i>	N/A
Chr19	38245491	38245604	Chr19.39034	<i>Fra10ac1(-21410),Lgl1(-19234)</i>	N/A
Chr19	38264361	38264718	Chr19.39064	<i>Lgl1(-242)</i>	N/A
Chr19	38265790	38266072	Chr19.39073	<i>Slc35g1(-130049),Lgl1(+1149)</i>	N/A
Chr19	38298304	38298677	Chr19.39112	<i>Slc35g1(-97489),Lgl1(+33709)</i>	N/A
Chr19	38299002	38299105	Chr19.39115	<i>Slc35g1(-96926),Lgl1(+34272)</i>	N/A
Chr19	38324253	38324353	Chr19.39147	<i>Slc35g1(-71677),Lgl1(+59521)</i>	N/A
Chr19	38418325	38442080	Chr19.39233	<i>Plec1(-82239),Slc35g1(+45978)</i>	N/A
Chr19	38460510	38460766	Chr19.39240	<i>Plec1(-63559),Slc35g1(+64658)</i>	N/A
Chr19	38460822	38461041	Chr19.39252	<i>Plec1(-63265),Slc35g1(+64952)</i>	N/A
Chr19	38478902	38479336	Chr19.39262	<i>Plec1(-45077),Slc35g1(+83140)</i>	N/A
Chr19	38486298	38486407	Chr19.39275	<i>Plec1(-37844),Slc35g1(+90373)</i>	N/A
Chr19	38487872	38488163	Chr19.39278	<i>Plec1(-36179),Slc35g1(+92038)</i>	N/A
Chr19	38488968	38488912	Chr19.39283	<i>Plec1(-35337),Slc35g1(+92869)</i>	N/A
Chr19	38553613	38553788	Chr19.39362	<i>Plec1(-29504),Noc3l(-265536)</i>	N/A
Chr19	38593385	38593505	Chr19.39420	<i>Plec1(-69248),Noc3l(+225792)</i>	N/A
Chr19	38596694	38596794	Chr19.39431	<i>Plec1(+72547),Noc3l(+222439)</i>	N/A
Chr19	38633761	38633863	Chr19.39476	<i>Plec1(+109615),Noc3l(+185425)</i>	N/A
Chr19	38680495	38680755	Chr19.39517	<i>Noc3l(-138612),Plec1(+156428)</i>	N/A
Chr19	4029277	4029168	Chr19.39559	<i>Npas(-3102)</i>	N/A
Chr19	38729235	38729341	Chr19.39605	<i>Noc3l(-89949),Plec1(+205091)</i>	N/A
Chr19	38759246	38759420	Chr19.39636	<i>Noc3l(+59904),Plec1(+235136)</i>	N/A
Chr19	38844868	38844972	Chr19.39767	<i>Helix(-85995),Tdc1d12(+8341)</i>	N/A
Chr19	38846581	38846704	Chr19.39768	<i>Helix(-84272),Tdc1d12(+10064)</i>	N/A
Chr19	4041257	4041359	Chr19.40454	<i>Bms1(-96)</i>	N/A
Chr19	40214365	40241583	Chr19.40657	<i>Cyp2c7(-54188),Pdlim1(+30142)</i>	N/A
Chr19	40267572	40267712	Chr19.40681	<i>Cyp2c7(-40356),Pdlim1(+3974)</i>	N/A
Chr19	40310010	40310248	Chr19.40739	<i>Pdlim1(-38513),Sorbs1(+92138)</i>	N/A
Chr19	4050146	4050268	Chr19.4081	<i>Rim1(-601)</i>	N/A
Chr19	40507722	4050863	Chr19.4085	<i>Rim1(-18)</i>	N/A
Chr19	40371979	40372101	Chr19.40932	<i>Pdlim1(-100424),Sorbs1(+30227)</i>	N/A
Chr19	40377622	40377761	Chr19.40964	<i>Pdlim1(-106076),Sorbs1(+24575)</i>	N/A
Chr19	40377804	40378040	Chr19.40965	<i>Pdlim1(-106306),Sorbs1(+24345)</i>	N/A
Chr19	40382741	40382852	Chr19.40988	<i>Pdlim1(-111181),Sorbs1(+19470)</i>	N/A
Chr19	40382889	40383053	Chr19.40992	<i>Pdlim1(-111355),Sorbs1(+19296)</i>	N/A
Chr19	40395663	40395693	Chr19.41003	<i>Pdlim1(-124182),Sorbs1(+6469)</i>	N/A
Chr19	40405768	40406063	Chr19.41019	<i>Sorbs1(-2649)</i>	N/A
Chr19	40409532	40409684	Chr19.41026	<i>Sorbs1(-7341),Aldh18a1(+178855)</i>	N/A
Chr19	40415258	40415401	Chr19.41046	<i>Sorbs1(-13063),Aldh18a1(+173133)</i>	N/A
Chr19	40425275	40425383	Chr19.41056	<i>Sorbs1(-23062),Aldh18a1(+163134)</i>	N/A
Chr19	40425532	40425784	Chr19.41059	<i>Sorbs1(-23391),Aldh18a1(+162805)</i>	N/A
Chr19	40432276	40432416	Chr19.41067	<i>Sorbs1(-30079),Aldh18a1(+156117)</i>	N/A
Chr19	40436789	40436931	Chr19.41073	<i>Sorbs1(-34593),Aldh18a1(+151603)</i>	N/A
Chr19	40437804	40437989	Chr19.41076	<i>Sorbs1(-35630),Aldh18a1(+150566)</i>	N/A
Chr19	40471989	40472183	Chr19.41109	<i>Sorbs1(-69819),Aldh18a1(+116377)</i>	N/A
Chr19	40472583	40472691	Chr19.41114	<i>Sorbs1(-70370),Aldh18a1(+115826)</i>	N/A
Chr19	40476290	40476419	Chr19.41123	<i>Sorbs1(-76088),Aldh18a1(+110108)</i>	N/A
Chr19	40480907	40480213	Chr19.41130	<i>Sorbs1(-86888),Aldh18a1(+99208)</i>	N/A
Chr19	40492800	40492931	Chr19.41133	<i>Sorbs1(-90599),Aldh18a1(+95597)</i>	N/A
Chr19	40493000	40494005	Chr19.41148	<i>Sorbs1(-97086),Aldh18a1(+89110)</i>	N/A
Chr19	40509437	40509565	Chr19.41155	<i>Sorbs1(-107234),Aldh18a1(+78962)</i>	N/A
Chr19	40512965	40512817	Chr19.41162	<i>Sorbs1(-111424),Aldh18a1(+75772)</i>	N/A
Chr19	40513725	40513851	Chr19.41174	<i>Sorbs1(-111521),Aldh18a1(+74675)</i>	N/A
Chr19	40549478	40549587	Chr19.41196	<i>Sorbs1(-147266),Aldh18a1(+38930)</i>	N/A
Chr19	40647597	40647749	Chr19.41330	<i>Tctn3(-35440),Entpd1(-12097)</i>	N/A
Chr19	40659638	40659823	Chr19.41337	<i>Entpd1(-39)</i>	N/A
Chr19	40660493	40660631	Chr19.41350	<i>Entpd1(+792)</i>	N/A
Chr19	40662826	40662998	Chr19.41355	<i>Cnpl(-168367),Entpd1(+3142)</i>	N/A
Chr19	40702421	40702607	Chr19.41371	<i>Cnpl(-128765),Entpd1(+25744)</i>	N/A
Chr19	5061066	5061234	Chr19.4151	<i>Cd248(-6928),Rim1(+10342)</i>	N/A
Chr19	5062661	5062840	Chr19.4155	<i>Cd248(-5327),Rim1(+11943)</i>	N/A
Chr19	5067193	5067296	Chr19.4161	<i>Cd248(-833)</i>	N/A
Chr19	40894600	40894830	Chr19.41610	<i>Zfp518a(+10)</i>	N/A
Chr19	40895428	40895589	Chr19.41619	<i>Zfp518a(+840)</i>	N/A
Chr19	41113237	41113367	Chr19.41967	<i>Opalin(-36189),Tl2(+93472)</i>	N/A

Chr19	41153039	41153188	Chr19.42015	Opalin(-76001), Tl12(+53660)	N/A
Chr19	41160517	41160673	Chr19.42022	Opalin(-83482), Tl12(+46179)	N/A
Chr19	41164624	41164624	Chr19.42031	Opalin(-87837), Tl12(+42024)	N/A
Chr19	5071897	5072038	Chr19.4217	Ccd4(-3890), Tmem151(+13563)	N/A
Chr19	41345158	41345420	Chr19.42242	Tm6sf3(-81285), Flk3ap1(+39781)	N/A
Chr19	41483478	41483670	Chr19.42318	Lcor(+929)	N/A
Chr19	41483762	41484227	Chr19.42320	Gm340(-98375), Lcor(+1350)	N/A
Chr19	5088487	5088600	Chr19.4264	Tmem151a(-3013), Yf1a(+6)	N/A
Chr19	41685574	41685683	Chr19.42730	Slit1(+58036), Ai606181(+52256)	N/A
Chr19	41688351	41688532	Chr19.42733	Slit1(+55253), Ai606181(+95079)	N/A
Chr19	41706486	41706660	Chr19.42766	Slit1(+37092), Ai606181(+113210)	N/A
Chr19	41738339	41738473	Chr19.42799	Slit1(+5259), Ai606181(+145043)	N/A
Chr19	41746104	41746203	Chr19.42818	Slit1(-2489)	N/A
Chr19	41746391	41746492	Chr19.42825	Slit1(-2777)	N/A
Chr19	41769999	41770103	Chr19.42837	Slit1(-26386), Arhgap19(+31996)	N/A
Chr19	41794947	41795178	Chr19.42878	Slit1(-51398), Arhgap19(+6084)	N/A
Chr19	41796360	41796678	Chr19.42881	Slit1(-52854), Arhgap19(+5528)	N/A
Chr19	41832616	41832841	Chr19.42910	Arhgap19(-30682), Frat2(+15403)	N/A
Chr19	41835773	41835978	Chr19.42912	Arhgap19(-33829), Frat2(+12256)	N/A
Chr19	41846822	41846923	Chr19.42931	Arhgap19(-44826), Frat2(+1259)	N/A
Chr19	41850551	41850794	Chr19.42947	Frat2(-2541)	N/A
Chr19	41851000	41851145	Chr19.42950	Frat2(-2941)	N/A
Chr19	5093001	5093251	Chr19.4301	Yf1a(+4588), Cnh2(+5292)	N/A
Chr19	41935802	41935949	Chr19.43155	Exocst(-2562), Zdhhc16(+2404)	N/A
Chr19	5094452	5094556	Chr19.4318	Cnh2(-3914), Yf1a(+5966)	N/A
Chr19	5096145	5096471	Chr19.4325	Cnh2(+2110), Yf1a(+7770)	N/A
Chr19	41974048	41974181	Chr19.43258	Mms19(+7042), Zdhhc16(+40643)	N/A
Chr19	41976612	41976780	Chr19.43261	Mms19(+4471), Zdhhc16(+43214)	N/A
Chr19	42000575	42000702	Chr19.43294	Ankrd2(-35399), Ubltd1(+18876)	N/A
Chr19	42010717	42010852	Chr19.43301	Ankrd2(-25253), Ubltd1(+29022)	N/A
Chr19	42017483	42017583	Chr19.43312	Ankrd2(-18505), Ubltd1(-35770)	N/A
Chr19	5099181	5099456	Chr19.4336	Cnh2(-401)	N/A
Chr19	42034293	42034525	Chr19.43363	Ankrd2(-1629)	N/A
Chr19	5099636	5099803	Chr19.4339	Cnh2(-1302)	N/A
Chr19	42052278	42052440	Chr19.43413	4933411k16rk(+131)	N/A
Chr19	42144596	42144745	Chr19.43571	Marveld1(-2729)	N/A
Chr19	42193557	42193703	Chr19.43640	Sfrp5(-38622), Zfyve27(+23063)	N/A
Chr19	5106846	5107040	Chr19.4365	Rab1b(+53)	N/A
Chr19	42238063	42238212	Chr19.43695	Sfrp5(-35886), Golga7b(-9436)	N/A
Chr19	3544102	3544221	Chr19.437	Gal(-129690), Ppp6r3(+31587)	N/A
Chr19	5108374	5108503	Chr19.4371	Rab1b(-1443)	N/A
Chr19	42280067	42280168	Chr19.43751	Golga7b(+32544), Crtac1(+151665)	N/A
Chr19	42290008	42290111	Chr19.43778	Golga7b(+42466), Crtac1(+141722)	N/A
Chr19	42291182	42291381	Chr19.43780	Golga7b(+43708), Crtac1(+140501)	N/A
Chr19	42316896	42317034	Chr19.43837	Golga7b(+69391), Crtac1(+114818)	N/A
Chr19	42317328	42317475	Chr19.43841	Golga7b(+69828), Crtac1(+114381)	N/A
Chr19	42318117	42318260	Chr19.43844	Golga7b(+70615), Crtac1(+113594)	N/A
Chr19	42380520	42380731	Chr19.43939	Crtac1(+51153), Golga7b(+133939)	N/A
Chr19	42381010	42381118	Chr19.43941	Crtac1(-50719), Golga7b(+133490)	N/A
Chr19	3575650	3575774	Chr19.440	Ppp6r3(+37)	N/A
Chr19	42408992	42409203	Chr19.44009	Crtac1(+22685), Golga7b(+161524)	N/A
Chr19	42409251	42409611	Chr19.44014	Crtac1(+22352), Golga7b(+161857)	N/A
Chr19	42430955	42431093	Chr19.44074	Crtac1(+759)	N/A
Chr19	42461594	42461858	Chr19.44123	R3hcc1(-57033), R3hcc1(-29943)	N/A
Chr19	42485525	42485663	Chr19.44160	Crtac1(-53811), R3hcc1(-33165)	N/A
Chr19	42510463	42510626	Chr19.44184	Crtac1(-78762), R3hcc1(-8214)	N/A
Chr19	3575883	3576113	Chr19.442	Ppp6r3(-249)	N/A
Chr19	42539679	42540058	Chr19.44230	R3hcc1(+21110), Loxl4(+72944)	N/A
Chr19	42539817	42539863	Chr19.44320	Loxl4(+19073), R3hcc1(+74989)	N/A
Chr19	5137312	5137429	Chr19.4438	Pacs1(-18811), Pacs1(+135748)	N/A
Chr19	42638774	42638924	Chr19.44482	Loxl4(-26036), Pyrox2(+113926)	N/A
Chr19	42668308	42668418	Chr19.44500	Loxl4(-55550), Pyrox2(+84412)	N/A
Chr19	42673036	42673171	Chr19.44507	Loxl4(-60291), Pyrox2(+79671)	N/A
Chr19	42689351	42689522	Chr19.44532	Loxl4(-76624), Pyrox2(+63338)	N/A
Chr19	42697303	42697494	Chr19.44551	Loxl4(-48586), Pyrox2(+55374)	N/A
Chr19	42719770	42719908	Chr19.44571	Loxl4(-107026), Pyrox2(-32936)	N/A
Chr19	42722568	42722740	Chr19.44577	Loxl4(-109841), Pyrox2(-30121)	N/A
Chr19	42797865	42797969	Chr19.44768	Hps1(-17939), Hps2(+590394)	N/A
Chr19	42803369	42803485	Chr19.44780	Hps1(-23449), Hps2(+584884)	N/A
Chr19	42805415	42805667	Chr19.44783	Hps1(-25563), Hps2(+582770)	N/A
Chr19	42811566	42811688	Chr19.44806	Hps1(-31839), Hps2(+576699)	N/A
Chr19	42811702	42811984	Chr19.44809	Hps1(-31865), Hps2(+576468)	N/A
Chr19	42845239	42845716	Chr19.44855	Hps1(-65500), Hps2(+542833)	N/A
Chr19	42863232	42863432	Chr19.44877	Hps1(-83354), Hps2(+524979)	N/A
Chr19	42869754	42869971	Chr19.44886	Hps1(-88985), Hps2(+518448)	N/A
Chr19	42877628	42877748	Chr19.44901	Hps1(-97713), Hps2(+510624)	N/A
Chr19	42902787	42903113	Chr19.44914	Hps1(-122972), Hps2(+485361)	N/A
Chr19	42904866	42905012	Chr19.44923	Hps1(-124951), Hps2(+483372)	N/A
Chr19	42905960	42906182	Chr19.44932	Hps1(-126093), Hps2(+482240)	N/A
Chr19	42922661	42922948	Chr19.44952	Hps1(-142827), Hps2(+465506)	N/A
Chr19	42936555	42936957	Chr19.44965	Hps1(-156828), Hps2(+451505)	N/A
Chr19	42937004	42937125	Chr19.44967	Hps1(-157067), Hps2(+4512446)	N/A
Chr19	42946988	42947095	Chr19.44972	Hps1(-167064), Hps2(+441269)	N/A
Chr19	42947240	42947405	Chr19.44974	Hps1(-167345), Hps2(+440988)	N/A
Chr19	42948222	42948554	Chr19.44979	Hps1(-168410), Hps2(+439923)	N/A
Chr19	42973947	42974064	Chr19.44998	Hps1(-194028), Hps2(+414305)	N/A
Chr19	43022827	43022999	Chr19.45007	Hps1(-242835), Hps2(-365398)	N/A
Chr19	43029068	43029701	Chr19.45012	Hps1(-249407), Hps2(+358926)	N/A
Chr19	43042277	43042468	Chr19.45027	Hps1(-262395), Hps2(+345938)	N/A
Chr19	43042654	43043484	Chr19.45028	Hps1(-263091), Hps2(+345424)	N/A
Chr19	43096881	43097220	Chr19.45056	Hps1(-317073), Hps2(+291260)	N/A
Chr19	43097528	43097657	Chr19.45059	Hps1(-317815), Hps2(+290718)	N/A
Chr19	43148043	43148193	Chr19.45066	Hps1(-368140), Hps2(+240193)	N/A
Chr19	43148280	43148534	Chr19.45070	Hps1(-368429), Hps2(+239904)	N/A
Chr19	43148568	43148822	Chr19.45072	Hps1(-368717), Hps2(+239616)	N/A
Chr19	43148964	43149108	Chr19.45075	Hps1(-369058), Hps2(+239275)	N/A
Chr19	43155431	43155846	Chr19.45079	Hps1(-375861), Hps2(+232672)	N/A
Chr19	43156198	43156525	Chr19.45084	Hps1(-376394), Hps2(+231943)	N/A
Chr19	43167955	43168076	Chr19.45088	Hps1(-388038), Hps2(+220295)	N/A
Chr19	43179509	43179641	Chr19.45098	Hps1(-399597), Hps2(+208736)	N/A
Chr19	43179848	43179955	Chr19.45099	Hps1(-399924), Hps2(+208409)	N/A
Chr19	43203202	43203490	Chr19.45113	Hps1(-423368), Hps2(+184965)	N/A
Chr19	43207318	43207796	Chr19.45122	Hps1(-427581), Hps2(+180752)	N/A
Chr19	43208019	43208309	Chr19.45126	Hps1(-428186), Hps2(+180147)	N/A
Chr19	43231412	43232068	Chr19.45130	Hps1(-451762), Hps2(+156571)	N/A
Chr19	43232136	43232260	Chr19.45134	Hps1(-452220), Hps2(+156113)	N/A
Chr19	43244509	43244731	Chr19.45148	Hps1(-464642), Hps2(+143691)	N/A
Chr19	43256384	43256576	Chr19.45150	Hps1(-476502), Hps2(+131831)	N/A
Chr19	43292448	43292759	Chr19.45166	Hps1(-512626), Hps2(+95707)	N/A
Chr19	43382463	43382615	Chr19.45209	Hps1(-602851), Hps2(+5772)	N/A
Chr19	43382847	43383136	Chr19.45210	Hps1(-603014), Hps2(+5319)	N/A
Chr19	43383215	43383422	Chr19.45215	Hps1(-603341), Hps2(+4992)	N/A
Chr19	43387568	43387794	Chr19.45233	Hps2(-630)	N/A
Chr19	43388471	43388677	Chr19.45236	Hps2(-263)	N/A
Chr19	43415505	43415855	Chr19.45260	Hps2(-2739), Cnm1(-24756)	N/A
Chr19	5191371	5191495	Chr19.4529	Klc2(-72873), Pacs1(+81686)	N/A
Chr19	5207155	5207336	Chr19.4533	Klc2(-88686), Pacs1(+65873)	N/A
Chr19	43479523	43479768	Chr19.45342	Cnm1(+39210), Got1(+44959)	N/A
Chr19	43480497	43480722	Chr19.45346	Cnm1(+40174), Got1(+43995)	N/A
Chr19	5257259	5257590	Chr19.45348	Klc2(-138820), Pacs1(+15739)	N/A
Chr19	43546494	43546700	Chr19.45348	Nkx2-3(-65728), Got1(-21992)	N/A
Chr19	43546887	43547016	Chr19.45348	Nkx2-3(-65373), Got1(-22347)	N/A
Chr19	43612219	43612367	Chr19.45589	Nkx2-3(-32)	N/A
Chr19	43615750	43615892	Chr19.45624	Nkx2-3(+3496), Slc25a28(+59060)	N/A
Chr19	43616371	43616759	Chr19.45625	Nkx2-3(+4240), Slc25a28(+58316)	N/A
Chr19	43616797	43616913	Chr19.45627	Nkx2-3(+4530), Slc25a28(+58026)	N/A
Chr19	43641810	43641926	Chr19.45649	Nkx2-3(+29543), Slc25a28(+33013)	N/A
Chr19	5274015	5274118	Chr19.4565	Pacs1(-948)	N/A
Chr19	43663763	43663991	Chr19.45672	Slc25a28(+11004), Nkx2-3(+51552)	N/A
Chr19	43673818	43673955	Chr19.45710	Slc25a28(+994)	N/A
Chr19	43674163	43674331	Chr19.45713	Slc25a28(+634)	N/A
Chr19	43674980	43675202	Chr19.45722	Slc25a28(-210)	N/A
Chr19	43690165	43690286	Chr19.45739	Entpd7(-554)	N/A
Chr19	43729973	43730151	Chr19.45809	Cox15(+22938), Entpd7(+40390)	N/A
Chr19	43730292	43730446	Chr19.45813	Cox15(+22631), Entpd7(+40697)	N/A
Chr19	43832671	43832814	Chr19.46031	Abcc2(+50551), Dnmtp(-79649)	N/A
Chr19	43890619	43890771	Chr19.46151	Dnmtp(-21697), Abcc2(+108503)	N/A
Chr19	43928555	43928720	Chr19.46208	Dnmtp(-16246), Cpn1(+57918)	N/A

Chr19	43929943	43930176	Chr19.46210	<i>Dnmbp(-17668), Cpn1(+56496)</i>	N/A
Chr19	5295817	5295965	Chr19.46240	<i>Gai3st3(-2440), S3b2(-436)</i>	N/A
Chr19	5302372	5302492	Chr19.46400	<i>Catsper1(-33309), Gai3st3(+1071)</i>	N/A
Chr19	44078745	44078902	Chr19.46427	<i>Erlin1(-7049), Chuk(+30656)</i>	N/A
Chr19	44293889	44294043	Chr19.46635	<i>Scd2(+290)</i>	N/A
Chr19	44303238	44303365	Chr19.46682	<i>Scd4(-29790), Scd2(+9626)</i>	N/A
Chr19	44416339	44416448	Chr19.46762	<i>Wnt8b(-77078), Scd1(-8685)</i>	N/A
Chr19	44423228	44423327	Chr19.46786	<i>Wnt8b(-70194), Scd1(-15569)</i>	N/A
Chr19	4454549	4454782	Chr19.46933	<i>Gm20538(-1835), Ndubp(-774)</i>	N/A
Chr19	44640248	44640477	Chr19.47027	<i>Pax2(-15866), Hif1an(+77519)</i>	N/A
Chr19	44649730	44649976	Chr19.47043	<i>Pax2(-106195), Hif1an(+87003)</i>	N/A
Chr19	44655868	44656007	Chr19.47046	<i>Pax2(-100111), Hif1an(+93088)</i>	N/A
Chr19	44672128	44672340	Chr19.47067	<i>Pax2(-83815), Hif1an(+109384)</i>	N/A
Chr19	44696577	44696949	Chr19.47100	<i>Pax2(-59236), Hif1an(+133963)</i>	N/A
Chr19	44719408	44719705	Chr19.47122	<i>Pax2(-96492), Hif1an(+156707)</i>	N/A
Chr19	44720174	44720382	Chr19.47124	<i>Pax2(-35771), Hif1an(+157428)</i>	N/A
Chr19	44724118	44724302	Chr19.47127	<i>Pax2(-31839), Hif1an(+161360)</i>	N/A
Chr19	44726340	44726672	Chr19.47130	<i>Pax2(-29543), Hif1an(+163656)</i>	N/A
Chr19	44741318	44741435	Chr19.47136	<i>Pax2(-14672), Hif1an(+178527)</i>	N/A
Chr19	44741567	44741702	Chr19.47138	<i>Pax2(-14414), Hif1an(+178785)</i>	N/A
Chr19	44750469	44750565	Chr19.47155	<i>Pax2(-5522), Hif1an(+187677)</i>	N/A
Chr19	44755466	44755585	Chr19.47181	<i>Pax2(-523)</i>	N/A
Chr19	44759209	44759382	Chr19.47192	<i>Sif2(-171823), Pax2(+3247)</i>	N/A
Chr19	44778123	44778241	Chr19.47253	<i>Sif2(-152937), Pax2(+22133)</i>	N/A
Chr19	44792139	44792347	Chr19.47288	<i>Sif2(-138876), Pax2(+36194)</i>	N/A
Chr19	44796981	44797472	Chr19.47311	<i>Sif2(-133917), Pax2(+1153)</i>	N/A
Chr19	44797794	44798022	Chr19.47315	<i>Sif2(-133211), Pax2(+41859)</i>	N/A
Chr19	44800420	44800585	Chr19.47320	<i>Sif2(-130616), Pax2(+44454)</i>	N/A
Chr19	44800907	44801117	Chr19.47325	<i>Sif2(-130107), Pax2(+44963)</i>	N/A
Chr19	44802749	44803051	Chr19.47331	<i>Sif2(-128219), Pax2(+46851)</i>	N/A
Chr19	44808915	44809066	Chr19.47334	<i>Sif2(-122127), Pax2(+52943)</i>	N/A
Chr19	44813408	44813771	Chr19.47337	<i>Sif2(-117529), Pax2(+5541)</i>	N/A
Chr19	44825323	44825576	Chr19.47377	<i>Sif2(-105669), Pax2(+69401)</i>	N/A
Chr19	44874727	44874999	Chr19.47421	<i>Sif2(-56256), Pax2(+118814)</i>	N/A
Chr19	44882638	44882951	Chr19.47432	<i>Sif2(-48324), Pax2(+126746)</i>	N/A
Chr19	44884394	44884619	Chr19.47436	<i>Sif2(-46512), Pax2(+128458)</i>	N/A
Chr19	44889700	44889880	Chr19.47443	<i>Sif2(-41329), Pax2(+133741)</i>	N/A
Chr19	44889916	44890150	Chr19.47445	<i>Sif2(-41086), Pax2(+133984)</i>	N/A
Chr19	44893050	44893212	Chr19.47451	<i>Sif2(-37988), Pax2(+137082)</i>	N/A
Chr19	44893605	44893980	Chr19.47453	<i>Sif2(-37326), Pax2(+137744)</i>	N/A
Chr19	44899781	44900047	Chr19.47468	<i>Sif2(-31205), Pax2(+143865)</i>	N/A
Chr19	44900102	44900266	Chr19.47470	<i>Sif2(-30935), Pax2(+144135)</i>	N/A
Chr19	44902141	44902418	Chr19.47474	<i>Sif2(-28939), Pax2(+146231)</i>	N/A
Chr19	44903583	44903767	Chr19.47476	<i>Sif2(-27444), Pax2(+147626)</i>	N/A
Chr19	44904531	44904759	Chr19.47479	<i>Sif2(-26474), Pax2(+148596)</i>	N/A
Chr19	44908047	44908254	Chr19.47481	<i>Sif2(-22968), Pax2(+152102)</i>	N/A
Chr19	44908703	44909066	Chr19.47485	<i>Sif2(-22084), Pax2(+152986)</i>	N/A
Chr19	44909402	44909657	Chr19.47489	<i>Sif2(-21589), Pax2(+153481)</i>	N/A
Chr19	44914945	44915057	Chr19.47492	<i>Sif2(-16118), Pax2(+158952)</i>	N/A
Chr19	44921543	44921735	Chr19.47500	<i>Sif2(-9480), Pax2(+165590)</i>	N/A
Chr19	44928688	44928876	Chr19.47506	<i>Sif2(-2337)</i>	N/A
Chr19	44931046	44931641	Chr19.47512	<i>Sif2(+225)</i>	N/A
Chr19	44931980	44932092	Chr19.47521	<i>Sif2(+917)</i>	N/A
Chr19	44982715	44982870	Chr19.47592	<i>Sema4g(-6308), Sif2(+51674)</i>	N/A
Chr19	44985565	44985738	Chr19.47603	<i>Sema4g(-3449)</i>	N/A
Chr19	45013712	45013856	Chr19.47774	<i>Lts2(-1392)</i>	N/A
Chr19	45016403	45016509	Chr19.47792	<i>Lts2(+1280), Pdzd7(+30158)</i>	N/A
Chr19	45016554	45016696	Chr19.47793	<i>Lts2(+1450), Pdzd7(+29988)</i>	N/A
Chr19	45020447	45020576	Chr19.47803	<i>Lts2(+5336), Pdzd7(+26102)</i>	N/A
Chr19	45020808	45020978	Chr19.47808	<i>Lts2(+3717), Pdzd7(+25721)</i>	N/A
Chr19	45047791	45047898	Chr19.47952	<i>Pdzd7(-1231), Sfn3(+269)</i>	N/A
Chr19	45048213	45048333	Chr19.47956	<i>Pdzd7(-1659), Sfn3(+697)</i>	N/A
Chr19	45065469	45065610	Chr19.48009	<i>Kazald1(-9701), Sfn3(+17964)</i>	N/A
Chr19	45067316	45067547	Chr19.48010	<i>Kazald1(-7809), Sfn3(+19856)</i>	N/A
Chr19	45075901	45076002	Chr19.48020	<i>Kazald1(+711)</i>	N/A
Chr19	45080464	45080612	Chr19.48057	<i>Tlx1(-68698), Kazald1(+5297)</i>	N/A
Chr19	45084124	45084387	Chr19.48062	<i>Tlx1(-64980), Kazald1(+9015)</i>	N/A
Chr19	45084615	45084846	Chr19.48068	<i>Tlx1(-64505), Kazald1(+9490)</i>	N/A
Chr19	45114237	45114361	Chr19.48113	<i>Tlx1(-34937), Kazald1(+39058)</i>	N/A
Chr19	45114410	45114540	Chr19.48115	<i>Tlx1(-34761), Kazald1(+39234)</i>	N/A
Chr19	45115169	45115305	Chr19.48117	<i>Tlx1(-33999), Kazald1(+39969)</i>	N/A
Chr19	45116299	45116454	Chr19.48124	<i>Tlx1(-32859), Kazald1(+41136)</i>	N/A
Chr19	45131969	45132295	Chr19.48133	<i>Tlx1(-17104), Kazald1(+56891)</i>	N/A
Chr19	45208633	45208775	Chr19.48195	<i>Lbx1(+27107), Tlx1(+59468)</i>	N/A
Chr19	5330907	5331016	Chr19.48200	<i>Sart1(-2259)</i>	N/A
Chr19	5334339	5334457	Chr19.48222	<i>Tgfb10(+3)</i>	N/A
Chr19	45231299	45231515	Chr19.48224	<i>Lbx1(+4404), Tlx1(+82171)</i>	N/A
Chr19	45231788	45231980	Chr19.48225	<i>Lbx1(+3927), Tlx1(+82648)</i>	N/A
Chr19	45232888	45233005	Chr19.48231	<i>Lbx1(+2864), Tlx1(+83711)</i>	N/A
Chr19	45235467	45235728	Chr19.48249	<i>Lbx1(+213)</i>	N/A
Chr19	45235981	45236185	Chr19.48250	<i>Lbx1(-277)</i>	N/A
Chr19	45257615	45257822	Chr19.48273	<i>Btrc(-106015), Lbx1(-21908)</i>	N/A
Chr19	45270707	45270922	Chr19.48294	<i>Btrc(-92919), Lbx1(-35004)</i>	N/A
Chr19	45293582	45293809	Chr19.48311	<i>Btrc(-70038), Lbx1(-57885)</i>	N/A
Chr19	45295277	45295402	Chr19.48314	<i>Btrc(-68394), Lbx1(-59529)</i>	N/A
Chr19	45296977	45297198	Chr19.48321	<i>Btrc(-66468), Lbx1(-61277)</i>	N/A
Chr19	45302205	45302389	Chr19.48332	<i>Lbx1(-64648), Btrc(-61437)</i>	N/A
Chr19	45302805	45303052	Chr19.48335	<i>Lbx1(-67118), Btrc(-60805)</i>	N/A
Chr19	45311220	45311412	Chr19.48348	<i>Lbx1(-75505), Btrc(-52418)</i>	N/A
Chr19	45311994	45312427	Chr19.48352	<i>Lbx1(-76400), Btrc(-51523)</i>	N/A
Chr19	45313224	45313384	Chr19.48354	<i>Lbx1(-77493), Btrc(-50430)</i>	N/A
Chr19	45317598	45317826	Chr19.48359	<i>Lbx1(-81901), Btrc(-46022)</i>	N/A
Chr19	45329694	45330193	Chr19.48370	<i>Lbx1(-94133), Btrc(-33790)</i>	N/A
Chr19	45337586	45337867	Chr19.48379	<i>Lbx1(-101916), Btrc(-26007)</i>	N/A
Chr19	45338263	45338625	Chr19.48382	<i>Lbx1(-102633), Btrc(-25290)</i>	N/A
Chr19	45363409	45363518	Chr19.48400	<i>Btrc(-270)</i>	N/A
Chr19	45364181	45364282	Chr19.48410	<i>Btrc(+498)</i>	N/A
Chr19	45365447	45366886	Chr19.48416	<i>Btrc(-2883), Polr1(-193914)</i>	N/A
Chr19	45391613	45391725	Chr19.48441	<i>Btrc(+2793), Polr1(-168962)</i>	N/A
Chr19	45472762	45472943	Chr19.48573	<i>Polr1(+87678), Btrc(+109119)</i>	N/A
Chr19	45473001	45473118	Chr19.48575	<i>Polr1(+87471), Btrc(+109326)</i>	N/A
Chr19	45475755	45476615	Chr19.48589	<i>Polr1(+84346), Btrc(+112451)</i>	N/A
Chr19	45493502	45493616	Chr19.48642	<i>Polr1(+66972), Btrc(+129829)</i>	N/A
Chr19	45493828	45493927	Chr19.48647	<i>Polr1(+66653), Btrc(+130144)</i>	N/A
Chr19	45528952	45529195	Chr19.48724	<i>Polr1(+31457), Btrc(+165340)</i>	N/A
Chr19	45432181	45432288	Chr19.4875	<i>Fos1(-15468), A1837181(+7078)</i>	N/A
Chr19	45541436	45541632	Chr19.48762	<i>Polr1(+18997), Btrc(+177800)</i>	N/A
Chr19	5433520	5433696	Chr19.4882	<i>Fos1(-14094), A1837181(+8452)</i>	N/A
Chr19	45565917	45565801	Chr19.48839	<i>Dpcd(+5094), Fbxw4(+94603)</i>	N/A
Chr19	45567436	45567695	Chr19.48845	<i>Dpcd(+6951), Fbxw4(+92748)</i>	N/A
Chr19	45567770	45567940	Chr19.48846	<i>Dpcd(+7240), Fbxw4(+92457)</i>	N/A
Chr19	45568046	45568177	Chr19.48849	<i>Dpcd(+7497), Fbxw4(+92200)</i>	N/A
Chr19	45569636	45569810	Chr19.48853	<i>Dpcd(+9108), Fbxw4(+90589)</i>	N/A
Chr19	45573735	45573947	Chr19.48865	<i>Dpcd(+13226), Fbxw4(+89471)</i>	N/A
Chr19	45575676	45576206	Chr19.48869	<i>Dpcd(+15326), Fbxw4(+84371)</i>	N/A
Chr19	45580088	45580270	Chr19.48899	<i>Dpcd(+19564), Fbxw4(+80133)</i>	N/A
Chr19	45580419	45580596	Chr19.48901	<i>Dpcd(+19893), Fbxw4(+79804)</i>	N/A
Chr19	45581483	45581599	Chr19.48904	<i>Dpcd(+20926), Fbxw4(+78771)</i>	N/A
Chr19	45581847	45582313	Chr19.48906	<i>Dpcd(+21465), Fbxw4(+78232)</i>	N/A
Chr19	45582357	45582529	Chr19.49054	<i>Dpcd(+21828), Fbxw4(+77869)</i>	N/A
Chr19	45584028	45585151	Chr19.48920	<i>Dpcd(+24425), Fbxw4(+78272)</i>	N/A
Chr19	45596060	45596729	Chr19.48940	<i>Dpcd(+35780), Fbxw4(+63917)</i>	N/A
Chr19	45607407	45607732	Chr19.48956	<i>Dpcd(+46955), Fbxw4(+52742)</i>	N/A
Chr19	45610996	45611250	Chr19.48966	<i>Fbxw4(+49189), Dpcd(+50508)</i>	N/A
Chr19	5448751	5448888	Chr19.4897	<i>Fos1(+1117), Cdc48b(+8577)</i>	N/A
Chr19	45614409	45614545	Chr19.48973	<i>Fbxw4(+45835), Dpcd(+53862)</i>	N/A
Chr19	45615798	45616390	Chr19.48979	<i>Fbxw4(+44218), Dpcd(+55479)</i>	N/A
Chr19	45616501	45617316	Chr19.48986	<i>Fbxw4(+43403), Dpcd(+56294)</i>	N/A
Chr19	45631814	45632041	Chr19.49017	<i>Fbxw4(+28384), Dpcd(+71313)</i>	N/A
Chr19	45636710	45636836	Chr19.49040	<i>Fbxw4(+23539), Dpcd(+76158)</i>	N/A
Chr19	45646952	45647264	Chr19.49054	<i>Fbxw4(+13204), Dpcd(+86493)</i>	N/A
Chr19	45652413	45652550	Chr19.49069	<i>Fbxw4(+7830), Dpcd(+91867)</i>	N/A
Chr19	45655496	45655834	Chr19.49075	<i>Fbxw4(+4647), Dpcd(+95050)</i>	N/A
Chr19	45656132	45656263	Chr19.49080	<i>Fbxw4(+4114), Dpcd(+95583)</i>	N/A
Chr19	45656340	45656578	Chr19.49083	<i>Fbxw4(+3853), Dpcd(+95844)</i>	N/A
Chr19	45657034	45657176	Chr19.49085	<i>Fbxw4(+3207), Dpcd(+96490)</i>	N/A
Chr19	45675948	45676468	Chr19.49105	<i>Fbxw4(+15077), Fgfr(-66654)</i>	N/A
Chr19	45676587	45676711	Chr19.49112	<i>Fbxw4(-16337), Fgfr(-66224)</i>	N/A

Chr19		45691365	45691483	Chr19.49130	<i>Fbxw4(-31112), Fgf8(+51449)</i>	N/A
Chr19		45695598	45695715	Chr19.49132	<i>Fbxw4(-35345), Fgf8(+47216)</i>	N/A
Chr19		45716410	45716657	Chr19.49146	<i>Fbxw4(-56222), Fgf8(+26339)</i>	N/A
Chr19		45717651	45718297	Chr19.49147	<i>Fbxw4(-57657), Fgf8(+24894)</i>	N/A
Chr19		45725950	45726169	Chr19.49158	<i>Fbxw4(-65746), Fgf8(+16813)</i>	N/A
Chr19		45734624	45734745	Chr19.49170	<i>Fbxw4(-74373), Fgf8(+8188)</i>	N/A
Chr19		45737746	45737877	Chr19.49182	<i>Fbxw4(-77500), Fgf8(+5061)</i>	N/A
Chr19		45740105	45740211	Chr19.49188	<i>Fbxw4(-79846), Fgf8(+2715)</i>	N/A
Chr19		45745467	45745583	Chr19.49203	<i>Fgf8(-2652)</i>	N/A
Chr19		45783116	45783222	Chr19.49206	<i>Oga(+351)</i>	N/A
Chr19		45803370	45803500	Chr19.49334	<i>Oga(-19915), Kcnp2(+12626)</i>	N/A
Chr19		45804334	45804462	Chr19.49336	<i>Oga(-20878), Kcnp2(+11663)</i>	N/A
Chr19		45815313	45815414	Chr19.49347	<i>Kcnp2(+697)</i>	N/A
Chr19		45817945	45818086	Chr19.49357	<i>Kcnp2(-1955)</i>	N/A
Chr19		45835200	45835337	Chr19.49385	<i>Kcnp2(-19208), Armh3(+163219)</i>	N/A
Chr19		45844344	45844523	Chr19.49397	<i>Kcnp2(-28373), Armh3(+154054)</i>	N/A
Chr19		45855732	45856020	Chr19.49417	<i>Kcnp2(-39815), Armh3(+142612)</i>	N/A
Chr19		45867175	45867288	Chr19.49430	<i>Kcnp2(-51171), Armh3(+131256)</i>	N/A
Chr19		45899821	45900010	Chr19.49477	<i>Kcnp2(-83855), Armh3(+98572)</i>	N/A
Chr19		45911788	45911894	Chr19.49482	<i>Kcnp2(-95780), Armh3(+86647)</i>	N/A
Chr19		45920625	45921010	Chr19.49508	<i>Kcnp2(-104757), Armh3(+7767)</i>	N/A
Chr19		45937502	45937674	Chr19.49529	<i>Kcnp2(-121527), Armh3(+60900)</i>	N/A
Chr19		45937799	45938092	Chr19.49532	<i>Kcnp2(-121885), Armh3(+60542)</i>	N/A
Chr19		45956932	45957137	Chr19.49575	<i>Kcnp2(-140974), Armh3(+41453)</i>	N/A
Chr19		46032228	46032344	Chr19.49677	<i>Ldb1(+12924), Hps6(+28808)</i>	N/A
Chr19		46037286	46037444	Chr19.49703	<i>Ldb1(+17870), Hps6(+33863)</i>	N/A
Chr19		46038008	46038121	Chr19.49708	<i>Ldb1(+7145), Hps6(+34587)</i>	N/A
Chr19		46038592	46038712	Chr19.49710	<i>Ldb1(+6558), Hps6(+35174)</i>	N/A
Chr19		46039008	46039388	Chr19.49715	<i>Ldb1(+6012), Hps6(+35720)</i>	N/A
Chr19		46042009	46042248	Chr19.49727	<i>Ldb1(+3081), Hps6(+38651)</i>	N/A
Chr19		46042376	46042520	Chr19.49728	<i>Ldb1(+2762), Hps6(+38970)</i>	N/A
Chr19		46044213	46044337	Chr19.49734	<i>Ldb1(+835)</i>	N/A
Chr19		46044457	46044566	Chr19.49736	<i>Ldb1(+698)</i>	N/A
Chr19		46044820	46044932	Chr19.49737	<i>Ldb1(+334)</i>	N/A
Chr19		46059588	46059711	Chr19.49762	<i>Nalc1(-16213), Pprc1(+3111)</i>	N/A
Chr19		46140213	46140416	Chr19.49956	<i>Pitx3(+8060), Elov3(+8418)</i>	N/A
Chr19		46140933	46141081	Chr19.49962	<i>Pitx3(+3738), Elov3(+9108)</i>	N/A
Chr19		46142602	46142717	Chr19.49968	<i>Pitx3(+5715), Elov3(+10763)</i>	N/A
Chr19		46148375	46148532	Chr19.49978	<i>Gbf1(-4055), Pitx3(-79)</i>	N/A
Chr19		46152172	46152293	Chr19.49987	<i>Pitx3(-3858), Gbf1(-276)</i>	N/A
Chr19		46152482	46152602	Chr19.49995	<i>Pitx3(-4167), Gbf1(+33)</i>	N/A
Chr19		46152705	46152821	Chr19.49997	<i>Pitx3(-4388), Gbf1(+254)</i>	N/A
Chr19		46171190	46171349	Chr19.50022	<i>Nkx2(-128425), Gbf1(+24761)</i>	N/A
Chr19		46177685	46177993	Chr19.50027	<i>Nkx2(-127856), Gbf1(+25330)</i>	N/A
Chr19		46186435	46186620	Chr19.50036	<i>Nkx2(-119167), Gbf1(+34019)</i>	N/A
Chr19		46186718	46186869	Chr19.50040	<i>Nkx2(-118851), Gbf1(+34335)</i>	N/A
Chr19		46187105	46187226	Chr19.50041	<i>Nkx2(-118529), Gbf1(+34657)</i>	N/A
Chr19		46187336	46187487	Chr19.50042	<i>Nkx2(-118335), Gbf1(+34903)</i>	N/A
Chr19		46215349	46215692	Chr19.50071	<i>Nkx2(-90174), Gbf1(+63012)</i>	N/A
Chr19		46215767	46215869	Chr19.50072	<i>Nkx2(-89877), Gbf1(+63309)</i>	N/A
Chr19		46225611	46225826	Chr19.50089	<i>Nkx2(-79976), Gbf1(+73210)</i>	N/A
Chr19		46244633	46244758	Chr19.50117	<i>Nkx2(-60999), Gbf1(+92187)</i>	N/A
Chr19		46252366	46252505	Chr19.50132	<i>Nkx2(-53259), Gbf1(+99927)</i>	N/A
Chr19		46304620	46304738	Chr19.50267	<i>Nkx2(-1017)</i>	N/A
Chr19		46305638	46305768	Chr19.50271	<i>Nkx2(+8)</i>	N/A
Chr19		46318686	46317008	Chr19.50377	<i>Psd1(+10218), Nkx2(+11243)</i>	N/A
Chr19		46317645	46317851	Chr19.50381	<i>Psd1(+9408), Nkx2(+12053)</i>	N/A
Chr19		46326510	46326657	Chr19.50437	<i>Fbx15(-1600), Psd1(+572)</i>	N/A
Chr19		46327012	46327211	Chr19.50440	<i>Fbx15(-1072), Psd1(+44)</i>	N/A
Chr19		46332949	46333049	Chr19.50482	<i>Fbx15(+4815), Cuedc2(+5661)</i>	N/A
Chr19		46338530	46338731	Chr19.50488	<i>Cuedc2(+29)</i>	N/A
Chr19		46339733	46339832	Chr19.50494	<i>Cuedc2(-1123)</i>	N/A
Chr19		46348921	46349046	Chr19.50501	<i>Cuedc2(-10324), Mfat13a(-7896)</i>	N/A
Chr19		46349263	46349363	Chr19.50507	<i>Cuedc2(-10653), Mfat13a(-7567)</i>	N/A
Chr19		46350775	46350884	Chr19.50512	<i>Mfat13a(-50)</i>	N/A
Chr19		46376813	46376995	Chr19.50569	<i>Actr1a(-18831), Mfat13a(+20024)</i>	N/A
Chr19		46395622	46395819	Chr19.50636	<i>Sufu(-1197), Actr1a(+14)</i>	N/A
Chr19		46396747	46396889	Chr19.50642	<i>Actr1a(-1133), Sufu(-50)</i>	N/A
Chr19		46422611	46422752	Chr19.50675	<i>Trim8(-78966), Sufu(+25764)</i>	N/A
Chr19		46422892	46423137	Chr19.50679	<i>Trim8(-78563), Sufu(+26147)</i>	N/A
Chr19		46423817	46423964	Chr19.50680	<i>Trim8(-7775), Sufu(+26973)</i>	N/A
Chr19		46432791	46432925	Chr19.50687	<i>Trim8(-68790), Sufu(+35940)</i>	N/A
Chr19		46434744	46434938	Chr19.50690	<i>Trim8(-66807), Sufu(+37923)</i>	N/A
Chr19		46438444	46438772	Chr19.50700	<i>Trim8(-57740), Sufu(+46990)</i>	N/A
Chr19		46455059	46455370	Chr19.50731	<i>Trim8(-46433), Sufu(+58297)</i>	N/A
Chr19		46455489	46455624	Chr19.50735	<i>Trim8(-46091), Sufu(+58638)</i>	N/A
Chr19		46457735	46457992	Chr19.50744	<i>Trim8(-43784), Sufu(+60946)</i>	N/A
Chr19		46459466	46459583	Chr19.50751	<i>Trim8(-42123), Sufu(+62607)</i>	N/A
Chr19		46470469	46470637	Chr19.50757	<i>Trim8(-31095), Sufu(+73635)</i>	N/A
Chr19		46470742	46471009	Chr19.50758	<i>Trim8(-30772), Sufu(+73958)</i>	N/A
Chr19		46472057	46472210	Chr19.50759	<i>Trim8(-29514), Sufu(+75216)</i>	N/A
Chr19		46476747	46477022	Chr19.50772	<i>Trim8(-24763), Sufu(+79967)</i>	N/A
Chr19		46477636	46477810	Chr19.50775	<i>Trim8(-23925), Sufu(+80805)</i>	N/A
Chr19		46479718	46479886	Chr19.50788	<i>Trim8(-21846), Sufu(+82884)</i>	N/A
Chr19		46481121	46481455	Chr19.50795	<i>Trim8(-20360), Sufu(+84370)</i>	N/A
Chr19		46483892	46484098	Chr19.50805	<i>Trim8(-17653), Sufu(+87077)</i>	N/A
Chr19		46484167	46484311	Chr19.50807	<i>Trim8(-17409), Sufu(+87321)</i>	N/A
Chr19		46484682	46484928	Chr19.50812	<i>Trim8(-16843), Sufu(+87887)</i>	N/A
Chr19		46485454	46485624	Chr19.50815	<i>Trim8(-16109), Sufu(+88621)</i>	N/A
Chr19		46500753	46500862	Chr19.50842	<i>Trim8(-840)</i>	N/A
Chr19		46503319	46503506	Chr19.50854	<i>Trim8(+1765), Ar3(+69672)</i>	N/A
Chr19		46503671	46503948	Chr19.50855	<i>Trim8(+2162), Ar3(+69275)</i>	N/A
Chr19		46504137	46504399	Chr19.50858	<i>Trim8(+2620), Ar3(+68817)</i>	N/A
Chr19		46504587	46504691	Chr19.50860	<i>Trim8(+2991), Ar3(+68446)</i>	N/A
Chr19		46507265	46507424	Chr19.50865	<i>Trim8(+5697), Ar3(+65740)</i>	N/A
Chr19		46523447	46523590	Chr19.50885	<i>Trim8(+21871), Ar3(+49566)</i>	N/A
Chr19		46523782	46523999	Chr19.50888	<i>Trim8(+22243), Ar3(+49194)</i>	N/A
Chr19		46528263	46528507	Chr19.50896	<i>Trim8(+26812), Ar3(+46025)</i>	N/A
Chr19		46528773	46528938	Chr19.50904	<i>Trim8(+27208), Ar3(+44229)</i>	N/A
Chr19		46530326	46530690	Chr19.50915	<i>Trim8(+28860), Ar3(+42577)</i>	N/A
Chr19		46531025	46531390	Chr19.50920	<i>Trim8(+29560), Ar3(+41877)</i>	N/A
Chr19		46531569	46531812	Chr19.50922	<i>Trim8(+30043), Ar3(+41394)</i>	N/A
Chr19		46532288	46532490	Chr19.50926	<i>Trim8(+30741), Ar3(+40696)</i>	N/A
Chr19		46532584	46532684	Chr19.50928	<i>Trim8(+31076), Ar3(+40361)</i>	N/A
Chr19		5489105	5489260	Chr19.5093	<i>Cfl1(-1302), Mus81(-781)</i>	N/A
Chr19		5490421	5490556	Chr19.5098	<i>Mus81(-2087), Cfl1(+4)</i>	N/A
Chr19		46599950	46600155	Chr19.51046	<i>Wbp1(+939)</i>	N/A
Chr19		46607811	46607715	Chr19.51058	<i>Wbp1(+8549), Cyp17a1(+65311)</i>	N/A
Chr19		46621875	46621992	Chr19.51077	<i>Wbp1(+22620), Cyp17a1(+51040)</i>	N/A
Chr19		46622875	46622834	Chr19.51082	<i>Wbp1(+23641), Cyp17a1(+50219)</i>	N/A
Chr19		46623477	46623583	Chr19.51091	<i>Wbp1(+24416), Cyp17a1(+49444)</i>	N/A
Chr19		46624257	46624382	Chr19.51097	<i>Wbp1(+25206), Cyp17a1(+48654)</i>	N/A
Chr19		46639838	46640067	Chr19.51107	<i>Cyp17a1(+33021), Wbp1(+40839)</i>	N/A
Chr19		46642960	46642696	Chr19.51114	<i>Cyp17a1(+30346), Wbp1(+43514)</i>	N/A
Chr19		46645274	46645391	Chr19.51125	<i>Cyp17a1(+27641), Wbp1(+46219)</i>	N/A
Chr19		46648027	46648157	Chr19.51132	<i>Cyp17a1(+24882), Wbp1(+46978)</i>	N/A
Chr19		46656523	46656627	Chr19.51176	<i>Cyp17a1(+16399), Wbp1(+57461)</i>	N/A
Chr19		46848522	46848763	Chr19.51357	<i>Ina1(-16055), Cnrm2(+87047)</i>	N/A
Chr19		46848849	46848977	Chr19.51360	<i>Ina1(-16578), Cnrm2(+87317)</i>	N/A
Chr19		46857133	46857319	Chr19.51366	<i>Ina1(-15747), Cnrm2(+95630)</i>	N/A
Chr19		46857541	46857645	Chr19.51369	<i>Ina1(-15708), Cnrm2(+95997)</i>	N/A
Chr19		46908995	46909181	Chr19.51487	<i>Ina1(-105610), Cnrm2(+147492)</i>	N/A
Chr19		46909381	46909564	Chr19.51491	<i>Ina1(-105225), Cnrm2(+147877)</i>	N/A
Chr19		46928948	46929173	Chr19.51505	<i>Ina1(-85637), Cnrm2(+167465)</i>	N/A
Chr19		46929209	46929424	Chr19.51508	<i>Ina1(-85381), Cnrm2(+167721)</i>	N/A
Chr19		46937265	46937727	Chr19.51516	<i>Ina1(-77202), Cnrm2(+175900)</i>	N/A
Chr19		47019534	47019634	Chr19.51565	<i>Nlsc2(-443)</i>	N/A
Chr19		47068375	47068540	Chr19.51643	<i>Taf5(+710)</i>	N/A
Chr19		47083245	47083367	Chr19.51676	<i>Atp5md(+7319), Taf5(+15558)</i>	N/A
Chr19		5539937	5540116	Chr19.5190	<i>Srx3(-29538), Ovat1(+20548)</i>	N/A
Chr19		47188797	47188909	Chr19.52000	<i>Neurl1a(+1003), Sh3pxd2a(-275558)</i>	N/A
Chr19		47198633	47198958	Chr19.52003	<i>Neurl1a(+20076), Sh3pxd2a(+265519)</i>	N/A
Chr19		47202023	47202176	Chr19.52009	<i>Neurl1a(+23280), Sh3pxd2a(-262311)</i>	N/A
Chr19		47228715	47228822	Chr19.52026	<i>Neurl1a(+49949), Sh3pxd2a(+235642)</i>	N/A
Chr19		47251080	47251179	Chr19.52070	<i>Neurl1a(+72310), Sh3pxd2a(+213281)</i>	N/A
Chr19		47260218	47260361	Chr19.52104	<i>Neurl1a(+81470), Sh3pxd2a(+204121)</i>	N/A
Chr19		4726462	47264421	Chr19.52122	<i>Neurl1a(+85522), Sh3pxd2a(+200699)</i>	N/A
Chr19		5553944	5554097	Chr19.5216	<i>Srx3(-43532), Ovat1(+6554)</i>	N/A

Chr19		47271731	47271838	Chr19.52201	Neurl1a(+92965),Sh3pxd2a(+192626)	N/A
Chr19		5554950	5555135	Chr19.5221	Snx32(-44554),Ovo1(+5532)	N/A
Chr19		4728020	47280246	Chr19.52223	Neurl1a(+101313),Sh3pxd2a(+184278)	N/A
Chr19		4729137	47291489	Chr19.52235	Neurl1a(+112533),Sh3pxd2a(+172999)	N/A
Chr19		47292536	47292674	Chr19.52236	Neurl1a(+113785),Sh3pxd2a(+171806)	N/A
Chr19		47297413	47297611	Chr19.52242	Neurl1a(+118692),Sh3pxd2a(+166899)	N/A
Chr19		47313789	47313893	Chr19.52269	Neurl1a(+135021),Sh3pxd2a(+150570)	N/A
Chr19		47314723	47314928	Chr19.52277	Neurl1a(+136006),Sh3pxd2a(+149585)	N/A
Chr19		4731687	47316329	Chr19.52286	Neurl1a(+140428),Sh3pxd2a(+145163)	N/A
Chr19		5558115	5558416	Chr19.5229	Snx32(-47877),Ovo1(+2209)	N/A
Chr19		5558826	5558963	Chr19.5232	Snx32(-48406),Ovo1(+1680)	N/A
Chr19		47362982	47363115	Chr19.52332	Sh3pxd2a(+101362),Neurl1a(+184229)	N/A
Chr19		47366637	47366787	Chr19.52338	Sh3pxd2a(+97699),Neurl1a(+187892)	N/A
Chr19		5559891	5559990	Chr19.5236	Ovo1(+634)	N/A
Chr19		47379182	47379375	Chr19.52362	Sh3pxd2a(+85132),Neurl1a(+200459)	N/A
Chr19		47381540	47381679	Chr19.52368	Sh3pxd2a(+82801),Neurl1a(+202790)	N/A
Chr19		47387995	47388229	Chr19.52382	Sh3pxd2a(+76299),Neurl1a(+209292)	N/A
Chr19		47402960	47403144	Chr19.52398	Sh3pxd2a(+61359),Neurl1a(+224232)	N/A
Chr19		47421376	47421553	Chr19.52418	Sh3pxd2a(+42946),Neurl1a(+242645)	N/A
Chr19		47422695	47422846	Chr19.52427	Sh3pxd2a(+41641),Neurl1a(+243950)	N/A
Chr19		47423945	47424104	Chr19.52429	Sh3pxd2a(+40386),Neurl1a(+245209)	N/A
Chr19		47428066	47428856	Chr19.52440	Sh3pxd2a(+35635),Neurl1a(+249958)	N/A
Chr19		47432493	47432697	Chr19.52447	Sh3pxd2a(+31816),Neurl1a(+253775)	N/A
Chr19		5566566	5566697	Chr19.5245	Ap5b1(-1442)	N/A
Chr19		47438670	47438818	Chr19.52457	Sh3pxd2a(+25867),Neurl1a(+259924)	N/A
Chr19		47440425	47444206	Chr19.52464	Sh3pxd2a(+20295),Neurl1a(+265296)	N/A
Chr19		47445419	47445599	Chr19.52475	Sh3pxd2a(+18902),Neurl1a(+266689)	N/A
Chr19		47454338	47454496	Chr19.52488	Sh3pxd2a(+9994),Neurl1a(+275597)	N/A
Chr19		47455171	47455304	Chr19.52492	Sh3pxd2a(+9173),Neurl1a(+276418)	N/A
Chr19		47458391	47458504	Chr19.52495	Sh3pxd2a(+5963),Neurl1a(+279628)	N/A
Chr19		47459000	47459115	Chr19.52502	Sh3pxd2a(+5353),Neurl1a(+280238)	N/A
Chr19		47460357	47460464	Chr19.52507	Sh3pxd2a(+4000),Neurl1a(+281591)	N/A
Chr19		47460875	47461036	Chr19.52511	Sh3pxd2a(+3455),Neurl1a(+282136)	N/A
Chr19		47461533	47461646	Chr19.52515	Sh3pxd2a(+2821),Neurl1a(+282770)	N/A
Chr19		47463369	47463617	Chr19.52522	Sh3pxd2a(+918)	N/A
Chr19		47463845	47463967	Chr19.52525	Sh3pxd2a(+509)	N/A
Chr19		47511050	47511179	Chr19.52567	Sh3pxd2a(-46704),Str1(+26004)	N/A
Chr19		47534291	47534440	Chr19.52605	Sh3pxd2a(-69955),Str1(+2753)	N/A
Chr19		47565139	47565282	Chr19.52631	Str1(-28092),Slk(-14808)	N/A
Chr19		47580774	47580877	Chr19.52643	Slk(+807)	N/A
Chr19		47644595	47644739	Chr19.52749	Col17a1(+47427),Slk(+64648)	N/A
Chr19		47644935	47645046	Chr19.52753	Col17a1(+47102),Slk(+64973)	N/A
Chr19		47691881	47692131	Chr19.52929	Col17a1(+58)	N/A
Chr19		47698411	47698519	Chr19.52936	Str1(-33291),Col17a1(-6371)	N/A
Chr19		47728962	47729126	Chr19.52960	Str1(-2711)	N/A
Chr19		47729610	47729909	Chr19.52966	Str1(-1996)	N/A
Chr19		47896981	47897286	Chr19.53258	Itprp(+22225),Gato2(+31307)	N/A
Chr19		47897806	47897924	Chr19.53264	Itprp(+21434),Gato2(+32099)	N/A
Chr19		47897971	47898132	Chr19.53287	Itprp(+21247),Gato2(+32285)	N/A
Chr19		47912230	47912330	Chr19.53306	Itprp(+7019),Gato2(+46513)	N/A
Chr19		47914460	47914563	Chr19.53308	Itprp(+4787),Gato2(+48745)	N/A
Chr19		47929453	47929725	Chr19.53323	Itprp(-10290),Clap58(-8123)	N/A
Chr19		47978379	47978500	Chr19.53425	Sorcs3(-22758),Clap58(+40728)	N/A
Chr19		48098182	48098411	Chr19.53542	Sorcs3(-107728),Clap58(+160558)	N/A
Chr19		5609801	5610081	Chr19.5380	Kat5(+153)	N/A
Chr19		5636649	5636771	Chr19.5384	Rela(-773)	N/A
Chr19		48300607	48300866	Chr19.53862	Sorcs3(+94712)	N/A
Chr19		48349866	48350201	Chr19.53940	Sorcs3(+144069)	N/A
Chr19		48367092	48367435	Chr19.53969	Sorcs3(+161239)	N/A
Chr19		48429488	48429635	Chr19.54052	Sorcs3(-223537)	N/A
Chr19		48430306	48430731	Chr19.54058	Sorcs3(+224494)	N/A
Chr19		48503996	48504157	Chr19.54161	Sorcs3(+298052)	N/A
Chr19		48706376	48706672	Chr19.54467	Sorcs3(+500499)	N/A
Chr19		48834475	48834727	Chr19.54461	Sorcs3(-628578)	N/A
Chr19		48913378	48913376	Chr19.54723	Sorcs3(-707257)	N/A
Chr19		49299399	49299502	Chr19.55051	Rpl13a-ps1(+731284)	N/A
Chr19		5663110	5663261	Chr19.5530	Sipa1(+521)	N/A
Chr19		5664771	5664997	Chr19.5533	Sipa1(-1177)	N/A
Chr19		49739510	49739709	Chr19.55373	Rpl13a-ps1(+291125)	N/A
Chr19		49858995	49859157	Chr19.55461	Rpl13a-ps1(+174709)	N/A
Chr19		50375348	50375517	Chr19.56069	Rpl13a-ps1(-34488),Sorcs1(+303213)	N/A
Chr19		50440401	50440641	Chr19.56145	Rpl13a-ps1(-409786),Sorcs1(+238125)	N/A
Chr19		50515243	50515421	Chr19.56263	Rpl13a-ps1(-484597),Sorcs1(+163314)	N/A
Chr19		50677179	50677366	Chr19.56538	Rpl13a-ps1(-646538),Sorcs1(+1373)	N/A
Chr19		52069942	52070078	Chr19.56998	Ins1(-194313)	N/A
Chr19		5685848	5686707	Chr19.5717	Map3k1(-603),Pcnx3(+280)	N/A
Chr19		52568886	52569016	Chr19.57199	Ins1(+304628),Xnppep1(-469682)	N/A
Chr19		5690029	5690191	Chr19.5727	Pcnx3(-1202),Map3k1(+979)	N/A
Chr19		52861769	52861885	Chr19.57377	Xnppep1(+176806),Ins1(+597504)	N/A
Chr19		53043417	53043536	Chr19.57530	Xnppep1(-4845)	N/A
Chr19		5347315	5347575	Chr19.57534	Add3(-93000),Xnppep1(-8812)	N/A
Chr19		5692145	5692294	Chr19.5754	Pcnx3(-3362),Map3k1(+5139)	N/A
Chr19		53052192	53052301	Chr19.57540	Add3(-88198),Xnppep1(-13614)	N/A
Chr19		53064673	53064938	Chr19.57546	Add3(-75639),Xnppep1(-26173)	N/A
Chr19		53065007	53065250	Chr19.57549	Add3(-75316),Xnppep1(-26496)	N/A
Chr19		53076400	53076819	Chr19.57552	Add3(-63855),Xnppep1(-37977)	N/A
Chr19		53076932	53077045	Chr19.57561	Add3(-63458),Xnppep1(-38356)	N/A
Chr19		53078431	53078637	Chr19.57570	Add3(-61911),Xnppep1(-39901)	N/A
Chr19		53078916	53079098	Chr19.57574	Add3(-61438),Xnppep1(-40374)	N/A
Chr19		53080870	53081144	Chr19.57577	Add3(-59438),Xnppep1(-42374)	N/A
Chr19		53081174	53081299	Chr19.57582	Add3(-59208),Xnppep1(-42604)	N/A
Chr19		53084767	53085070	Chr19.57585	Add3(-55522),Xnppep1(-46290)	N/A
Chr19		53087895	53087321	Chr19.57591	Add3(-53242),Xnppep1(-48578)	N/A
Chr19		5692587	5692712	Chr19.5760	Pcnx3(-3742),Map3k1(+3519)	N/A
Chr19		53087554	53087767	Chr19.57601	Add3(-52784),Xnppep1(-49028)	N/A
Chr19		53101882	53102325	Chr19.57611	Xnppep1(-63471),Add3(-38341)	N/A
Chr19		53107153	53107325	Chr19.57629	Xnppep1(-68606),Add3(-33206)	N/A
Chr19		53107580	53107704	Chr19.57634	Xnppep1(-69099),Add3(-32603)	N/A
Chr19		53112147	53112346	Chr19.57643	Xnppep1(-73614),Add3(-26198)	N/A
Chr19		53136311	53136619	Chr19.57657	Add3(-3980)	N/A
Chr19		53137587	53137708	Chr19.57664	Add3(-2797)	N/A
Chr19		53140451	53140650	Chr19.57669	Add3(+106)	N/A
Chr19		53140713	53140824	Chr19.57674	Add3(+324)	N/A
Chr19		53141132	53141510	Chr19.57677	Add3(+376)	N/A
Chr19		53143758	53143880	Chr19.57689	Mxi1(-166687),Add3(+3374)	N/A
Chr19		53164655	53164766	Chr19.57721	Mxi1(-145795),Add3(+24266)	N/A
Chr19		53185079	53185201	Chr19.57759	Mxi1(-125366),Add3(+44695)	N/A
Chr19		53185567	53185681	Chr19.57760	Mxi1(-124982),Add3(+45179)	N/A
Chr19		53191684	53191813	Chr19.57773	Mxi1(-118737),Add3(+51304)	N/A
Chr19		53191895	53192222	Chr19.57775	Mxi1(-118447),Add3(+51614)	N/A
Chr19		53194251	53194479	Chr19.57780	Mxi1(-116141),Add3(+53920)	N/A
Chr19		53194779	53195074	Chr19.57783	Mxi1(-115579),Add3(+54482)	N/A
Chr19		53197869	53197987	Chr19.57795	Mxi1(-112578),Add3(+57483)	N/A
Chr19		53199170	53199328	Chr19.57799	Mxi1(-112577),Add3(+58804)	N/A
Chr19		53245572	53245688	Chr19.57876	Mxi1(-64878),Add3(+105185)	N/A
Chr19		53264030	53264131	Chr19.57912	Mxi1(-446429),Add3(+123636)	N/A
Chr19		53277102	53277259	Chr19.57916	Mxi1(-33325),Add3(+136736)	N/A
Chr19		53284501	53284692	Chr19.57919	Mxi1(-25909),Add3(+144152)	N/A
Chr19		53306749	53306996	Chr19.57949	Mxi1(-3633)	N/A
Chr19		53307053	53307450	Chr19.57952	Mxi1(-3254)	N/A
Chr19		53309792	53309949	Chr19.57957	Mxi1(-6355)	N/A
Chr19		53310377	53310488	Chr19.57961	Mxi1(-73)	N/A
Chr19		53311853	53311983	Chr19.57973	Mxi1(+1412),Gm10197(+59848)	N/A
Chr19		53312048	53312204	Chr19.57974	Mxi1(+1620),Gm10197(+59640)	N/A
Chr19		53313058	53313157	Chr19.57982	Mxi1(+2602),Gm10197(+58658)	N/A
Chr19		53313355	53313456	Chr19.57985	Mxi1(+2900),Gm10197(+58360)	N/A
Chr19		53313720	53313969	Chr19.57986	Mxi1(+3339),Gm10197(+57921)	N/A
Chr19		53314143	53314441	Chr19.57988	Mxi1(+3786),Gm10197(+57474)	N/A
Chr19		53314522	53314707	Chr19.57994	Mxi1(+4109),Gm10197(+57151)	N/A
Chr19		53317765	53317916	Chr19.57999	Mxi1(+7339),Gm10197(+53925)	N/A
Chr19		53318078	53318205	Chr19.58002	Mxi1(+7636),Gm10197(+53624)	N/A
Chr19		53318645	53318763	Chr19.58005	Mxi1(+8198),Gm10197(+53062)	N/A
Chr19		53318988	53319101	Chr19.58007	Mxi1(+8539),Gm10197(+52721)	N/A
Chr19		53325640	53325897	Chr19.58022	Mxi1(+15263),Gm10197(+45997)	N/A
Chr19		53350156	53350286	Chr19.58056	Gm10197(+21545),Mxi1(+39715)	N/A
Chr19		5702575	5702719	Chr19.5808	Kcnk7(-1720)	N/A
Chr19		53360262	53360707	Chr19.58085	Gm10197(+11266),Mxi1(+49994)	N/A
Chr19		53360744	53360888	Chr19.58088	Gm10197(-10950),Mxi1(+50310)	N/A

Chr19	53365055	53365240	Chr19.58091	Gm10197(+6618),Mxi1(+54642)	N/A
Chr19	53365496	53365726	Chr19.58095	Gm10197(+6155),Mxi1(+55105)	N/A
Chr19	53366091	53366226	Chr19.58096	Gm10197(+5607),Mxi1(+55653)	N/A
Chr19	53366738	53366912	Chr19.58103	Gm10197(+1941),Mxi1(+58319)	N/A
Chr19	53366302	53366671	Chr19.58151	Gm10197(-14721),Smndc1(+4086)	N/A
Chr19	53410427	53410643	Chr19.58173	Dusp5(-118574),Smndc1(-19962)	N/A
Chr19	53415221	53415380	Chr19.58182	Dusp5(-113808),Smndc1(-24728)	N/A
Chr19	53421213	53421353	Chr19.58190	Dusp5(-107826),Smndc1(-30710)	N/A
Chr19	534337310	53437423	Chr19.58210	Dusp5(-91742),Smndc1(-46794)	N/A
Chr19	53437549	53437683	Chr19.58216	Dusp5(-91493),Smndc1(-17043)	N/A
Chr19	53500410	53500649	Chr19.58260	Smndc1(-109957),Dusp5(-28579)	N/A
Chr19	53500872	53500985	Chr19.58266	Smndc1(-110356),Dusp5(-28180)	N/A
Chr19	53505770	53505950	Chr19.58276	Smndc1(-115287),Dusp5(-23249)	N/A
Chr19	53507426	53507562	Chr19.58280	Smndc1(-116921),Dusp5(-21615)	N/A
Chr19	53528256	53528359	Chr19.58286	Dusp5(-801)	N/A
Chr19	53531638	53531756	Chr19.58300	Dusp5(-2558),Nuff2-ps1(+57370)	N/A
Chr19	53532165	53532314	Chr19.58301	Dusp5(+3131),Nuff2-ps1(+56827)	N/A
Chr19	53548690	53548854	Chr19.58372	Dusp5(+19663),Nuff2-ps1(+40295)	N/A
Chr19	53552638	53552759	Chr19.58377	Dusp5(+23590),Nuff2-ps1(+36368)	N/A
Chr19	53557435	53557540	Chr19.58386	Dusp5(+28379),Nuff2-ps1(+31579)	N/A
Chr19	53603555	53603455	Chr19.58404	Smc3(+7)	N/A
Chr19	53648154	53648368	Chr19.58450	Rbm20(-29045),Smc3(+47863)	N/A
Chr19	53654256	53654372	Chr19.58461	Rbm20(-22992),Smc3(+53916)	N/A
Chr19	53670664	53670872	Chr19.58471	Rbm20(-6538),Smc3(+70370)	N/A
Chr19	53670902	53671078	Chr19.58475	Rbm20(-6316),Smc3(+70592)	N/A
Chr19	53676763	53676784	Chr19.58521	Pcdc4(-19417),Rbm20(+20508)	N/A
Chr19	53711354	53711576	Chr19.58538	Pcdc4(-180766),Rbm20(+34159)	N/A
Chr19	53726381	53726560	Chr19.58561	Pcdc4(-165760),Rbm20(+49165)	N/A
Chr19	53730087	53730327	Chr19.58572	Pcdc4(-162024),Rbm20(+52901)	N/A
Chr19	53731805	53731977	Chr19.58577	Pcdc4(-160340),Rbm20(+54585)	N/A
Chr19	53738935	53739039	Chr19.58583	Pcdc4(-153244),Rbm20(+61681)	N/A
Chr19	53793217	53793217	Chr19.58624	Pcdc4(-99097),Rbm20(+115829)	N/A
Chr19	53793257	53793467	Chr19.58628	Pcdc4(-98869),Rbm20(+116056)	N/A
Chr19	53794487	53794663	Chr19.58638	Pcdc4(-97656),Rbm20(+117269)	N/A
Chr19	53809236	53809417	Chr19.58645	Pcdc4(-82904),Rbm20(+132021)	N/A
Chr19	53821902	53822034	Chr19.58698	Pcdc4(-70263),Rbm20(+144662)	N/A
Chr19	53892427	53892551	Chr19.58830	Pcdc4(-258)	N/A
Chr19	53893041	53893190	Chr19.58840	Pcdc4(+885)	N/A
Chr19	53903293	53903409	Chr19.58862	Pcdc4(+11120),Bbp1(+41276)	N/A
Chr19	53942571	53942752	Chr19.58917	Shoc2(-2214),Bbp1(+1965)	N/A
Chr19	53944445	53944637	Chr19.58922	Shoc2(-335),Bbp1(+86)	N/A
Chr19	53945944	53946083	Chr19.58930	Bbp1(-1387),Shoc2(+1138)	N/A
Chr19	54048251	54048374	Chr19.59021	Adra2a(-3131)	N/A
Chr19	54095678	54095906	Chr19.59060	Adra2a(+50610)	N/A
Chr19	5725128	5725267	Chr19.5908	Ehbp11(+1119),Kcrk7(+20831)	N/A
Chr19	54311372	54311514	Chr19.59226	Adra2a(+266261),Gpam(+788008)	N/A
Chr19	54399948	54400225	Chr19.59290	Adra2a(-354905),Gpam(+699364)	N/A
Chr19	54415068	54415198	Chr19.59302	Adra2a(-369950),Gpam(+69436)	N/A
Chr19	54582171	54582337	Chr19.59428	Gpam(+517197),Adra2a(+537072)	N/A
Chr19	5741103	5741252	Chr19.5946	Ltbp3(+274)	N/A
Chr19	54664880	54665041	Chr19.59482	Gpam(+434490),Adra2a(+619779)	N/A
Chr19	3641958	3642135	Chr19.595	Ppp6r3(-66298),Lrp5(+44509)	N/A
Chr19	5743694	5743686	Chr19.5958	Ltbp3(-2876),Soyl1(+27621)	N/A
Chr19	55067646	55067770	Chr19.59740	Gpam(+31743)	N/A
Chr19	55113682	55113922	Chr19.59831	Tectb(-67083),Gpam(-14351)	N/A
Chr19	55143748	55143861	Chr19.59854	Gpam(-44354),Tectb(-37080)	N/A
Chr19	55180633	55180732	Chr19.59875	Tectb(-202)	N/A
Chr19	55318042	55318175	Chr19.60207	Zdhhc6(-2077),Vt1a(+1758)	N/A
Chr19	55369756	55370065	Chr19.60266	Tcf7l2(-371899),Vt1a(+53560)	N/A
Chr19	55374271	55374458	Chr19.60277	Tcf7l2(-387445),Vt1a(+58014)	N/A
Chr19	55377075	55377350	Chr19.60284	Tcf7l2(-364597),Vt1a(+60862)	N/A
Chr19	55380826	55381440	Chr19.60299	Tcf7l2(-360677),Vt1a(+64782)	N/A
Chr19	55382170	55382281	Chr19.60306	Tcf7l2(-359584),Vt1a(+65875)	N/A
Chr19	55384477	55384771	Chr19.60321	Tcf7l2(-357186),Vt1a(+68273)	N/A
Chr19	55389144	55389535	Chr19.60353	Tcf7l2(-352470),Vt1a(+72988)	N/A
Chr19	55390190	55390316	Chr19.60358	Tcf7l2(-351557),Vt1a(+73902)	N/A
Chr19	55408688	55408789	Chr19.60413	Tcf7l2(-333071),Vt1a(+92388)	N/A
Chr19	55412979	55413091	Chr19.60431	Tcf7l2(-328775),Vt1a(+96664)	N/A
Chr19	55422649	55423082	Chr19.60446	Tcf7l2(-318944),Vt1a(+106515)	N/A
Chr19	55424692	55424846	Chr19.60458	Tcf7l2(-317040),Vt1a(+108419)	N/A
Chr19	55425487	55425740	Chr19.60465	Tcf7l2(-316186),Vt1a(+109263)	N/A
Chr19	55429216	55448386	Chr19.60495	Tcf7l2(-292509),Vt1a(+132950)	N/A
Chr19	55456214	55456417	Chr19.60524	Tcf7l2(-285494),Vt1a(+139965)	N/A
Chr19	55456809	55456982	Chr19.60529	Tcf7l2(-284914),Vt1a(+140545)	N/A
Chr19	5757032	5757176	Chr19.60505	Soyl1(+14287),Ltbp3(+16200)	N/A
Chr19	55496864	55470065	Chr19.60552	Tcf7l2(-271945),Vt1a(+153514)	N/A
Chr19	55481276	55481573	Chr19.60593	Tcf7l2(-260385),Vt1a(+165074)	N/A
Chr19	55491713	55491853	Chr19.60607	Tcf7l2(-250027),Vt1a(+175432)	N/A
Chr19	55507839	55508152	Chr19.60635	Tcf7l2(-233814),Vt1a(+191645)	N/A
Chr19	55508218	55508511	Chr19.60637	Tcf7l2(-233445),Vt1a(+192014)	N/A
Chr19	55525480	55525650	Chr19.60659	Tcf7l2(-216245),Vt1a(+206214)	N/A
Chr19	55548945	55548996	Chr19.60721	Tcf7l2(-192889),Vt1a(+232573)	N/A
Chr19	55555814	55556088	Chr19.60737	Tcf7l2(-185859),Vt1a(+239600)	N/A
Chr19	55556311	55556888	Chr19.60741	Tcf7l2(-185210),Vt1a(+240249)	N/A
Chr19	55560443	55560680	Chr19.60749	Tcf7l2(-181248),Vt1a(+244211)	N/A
Chr19	55561810	55561929	Chr19.60752	Tcf7l2(-179940),Vt1a(+245519)	N/A
Chr19	55563054	55563251	Chr19.60758	Tcf7l2(-178462),Vt1a(+246817)	N/A
Chr19	55563848	55564244	Chr19.60768	Tcf7l2(-177764),Vt1a(+247695)	N/A
Chr19	55565967	55566249	Chr19.60782	Tcf7l2(-175702),Vt1a(+249757)	N/A
Chr19	55566904	55567083	Chr19.60788	Tcf7l2(-174816),Vt1a(+250643)	N/A
Chr19	55572803	55573051	Chr19.60798	Tcf7l2(-168883),Vt1a(+256576)	N/A
Chr19	55577890	55578051	Chr19.60810	Tcf7l2(-163393),Vt1a(+261620)	N/A
Chr19	55578147	55578421	Chr19.60812	Tcf7l2(-163526),Vt1a(+261933)	N/A
Chr19	55578512	55578751	Chr19.60814	Tcf7l2(-163178),Vt1a(+262281)	N/A
Chr19	55581315	55581548	Chr19.60817	Tcf7l2(-160378),Vt1a(+265081)	N/A
Chr19	55582993	55583282	Chr19.60822	Tcf7l2(-158672),Vt1a(+266787)	N/A
Chr19	55589108	55589230	Chr19.60835	Tcf7l2(-152641),Vt1a(+272818)	N/A
Chr19	55592404	55592623	Chr19.60841	Tcf7l2(-149346),Vt1a(+276115)	N/A
Chr19	55592986	55593150	Chr19.60847	Tcf7l2(-148742),Vt1a(+276717)	N/A
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Chr19	55593661	55593810	Chr19.60851	Tcf7l2(-148074),Vt1a(+277385)	N/A
Chr19	55596723	55596848	Chr19.60858	Tcf7l2(-145024),Vt1a(+280435)	N/A
Chr19	55597417	55597643	Chr19.60861	Tcf7l2(-144280),Vt1a(+281179)	N/A
Chr19	55597769	55598134	Chr19.60864	Tcf7l2(-143858),Vt1a(+281601)	N/A
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Chr19	55598844	55599078	Chr19.60873	Tcf7l2(-142849),Vt1a(+282610)	N/A
Chr19	55599225	55599406	Chr19.60877	Tcf7l2(-142494),Vt1a(+282965)	N/A
Chr19	55607426	55607625	Chr19.60883	Tcf7l2(-134284),Vt1a(+291175)	N/A
Chr19	55608819	55608942	Chr19.60889	Tcf7l2(-132629),Vt1a(+292630)	N/A
Chr19	55609448	55609681	Chr19.60895	Tcf7l2(-132245),Vt1a(+293214)	N/A
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Chr19	55620563	55620990	Chr19.60920	Tcf7l2(-121033),Vt1a(+304426)	N/A
Chr19	55622955	55623058	Chr19.60931	Tcf7l2(-118803),Vt1a(+306656)	N/A
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Chr19	55624713	55624856	Chr19.60947	Tcf7l2(-117025),Vt1a(+308434)	N/A
Chr19	55626460	55626933	Chr19.60959	Tcf7l2(-115113),Vt1a(+310346)	N/A
Chr19	55631397	55631522	Chr19.60977	Tcf7l2(-110350),Vt1a(+315109)	N/A
Chr19	55635579	55635718	Chr19.60983	Tcf7l2(-106161),Vt1a(+319298)	N/A
Chr19	55636270	55636504	Chr19.60988	Tcf7l2(-102423),Vt1a(+323036)	N/A
Chr19	55642073	55642174	Chr19.60998	Tcf7l2(-99686),Vt1a(+325773)	N/A
Chr19	55642518	55642634	Chr19.60999	Tcf7l2(-99234),Vt1a(+326225)	N/A
Chr19	55643131	55643285	Chr19.61006	Tcf7l2(-98602),Vt1a(+326857)	N/A
Chr19	55656189	55656319	Chr19.61018	Tcf7l2(-85556),Vt1a(+339903)	N/A
Chr19	55662638	55662986	Chr19.61028	Tcf7l2(-78958),Vt1a(+346461)	N/A
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Chr19	55694528	55694674	Chr19.61045	Tcf7l2(-47209),Vt1a(+378250)	N/A
Chr19	55694737	55694932	Chr19.61048	Tcf7l2(-46975),Vt1a(+378484)	N/A
Chr19	55700581	55700716	Chr19.61054	Tcf7l2(-41161),Vt1a(+384298)	N/A
Chr19	55736633	55736790	Chr19.61104	Tcf7l2(-5098),Vt1a(+420361)	N/A
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Chr19	55741830	55742013	Chr19.61129	Tcf7l2(+113)	N/A
Chr19	55745056	55745312	Chr19.61143	Habp2(-542738),Tcf7l2(+3374)	N/A
Chr19	55745344	55745529	Chr19.61146	Habp2(-542485),Tcf7l2(+3627)	N/A
Chr19	55746177	55746830	Chr19.61154	Habp2(-541418),Tcf7l2(+4694)	N/A
Chr19	55747019	55747300	Chr19.61164	Habp2(-540762),Tcf7l2(+5350)	N/A
Chr19	55747429	55747607	Chr19.61168	Habp2(-540494),Tcf7l2(+5708)	N/A
Chr19	55747694	55747802	Chr19.61169	Habp2(-540174),Tcf7l2(+5938)	N/A

Chr19	55747900	55748183	Chr19.61171	Habp2(-539880),Tcf7l2(+6232)	N/A
Chr19	55748290	55748418	Chr19.61172	Habp2(-539568),Tcf7l2(+6544)	N/A
Chr19	55749317	55749624	Chr19.61176	Habp2(-538501),Tcf7l2(+7611)	N/A
Chr19	55749629	55750158	Chr19.61181	Habp2(-538028),Tcf7l2(+8094)	N/A
Chr19	55750240	55750367	Chr19.61184	Habp2(-537618),Tcf7l2(+8494)	N/A
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Chr19	55752908	55753240	Chr19.61197	Habp2(-534848),Tcf7l2(+11264)	N/A
Chr19	55754654	55754783	Chr19.61207	Habp2(-533203),Tcf7l2(+12909)	N/A
Chr19	55755640	55755897	Chr19.61212	Habp2(-532153),Tcf7l2(+13959)	N/A
Chr19	55756788	55757170	Chr19.61217	Habp2(-530843),Tcf7l2(+15149)	N/A
Chr19	55759024	55759214	Chr19.61226	Habp2(-528803),Tcf7l2(+17309)	N/A
Chr19	55755583	55765688	Chr19.61232	Habp2(-522286),Tcf7l2(+23826)	N/A
Chr19	55768976	55769101	Chr19.61240	Habp2(-518883),Tcf7l2(+27229)	N/A
Chr19	55773700	55773876	Chr19.61253	Habp2(-514134),Tcf7l2(+31978)	N/A
Chr19	55774572	55774798	Chr19.61256	Habp2(-513237),Tcf7l2(+32875)	N/A
Chr19	55777864	55781566	Chr19.61264	Habp2(-508612),Tcf7l2(+36200)	N/A
Chr19	55779867	55780098	Chr19.61276	Habp2(-507938),Tcf7l2(+38173)	N/A
Chr19	55792617	55792899	Chr19.61292	Habp2(-495164),Tcf7l2(+50948)	N/A
Chr19	55807190	55807795	Chr19.61317	Habp2(-480429),Tcf7l2(+65683)	N/A
Chr19	55814493	55814594	Chr19.61324	Habp2(-473378),Tcf7l2(+72734)	N/A
Chr19	55814740	55814908	Chr19.61327	Habp2(-473086),Tcf7l2(+73014)	N/A
Chr19	55815137	55815445	Chr19.61330	Habp2(-472631),Tcf7l2(+73481)	N/A
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Chr19	55837921	55838323	Chr19.61372	Habp2(-449800),Tcf7l2(+96312)	N/A
Chr19	55838847	55838972	Chr19.61377	Habp2(-446012),Tcf7l2(+97100)	N/A
Chr19	55839166	55839363	Chr19.61379	Habp2(-446657),Tcf7l2(+97455)	N/A
Chr19	55840437	55840591	Chr19.61382	Habp2(-447408),Tcf7l2(+98704)	N/A
Chr19	55843290	55843833	Chr19.61394	Habp2(-444360),Tcf7l2(+101752)	N/A
Chr19	5795913	5796175	Chr19.6140	Scyl1(-24643),Frmdb(+79230)	N/A
Chr19	55863386	55863592	Chr19.61436	Habp2(-424453),Tcf7l2(+121679)	N/A
Chr19	55868369	55868485	Chr19.61449	Habp2(-421495),Tcf7l2(+124617)	N/A
Chr19	5796383	5796631	Chr19.6145	Scyl1(-25106),Frmdb(+78767)	N/A
Chr19	55871025	55871147	Chr19.61455	Habp2(-416836),Tcf7l2(+129276)	N/A
Chr19	55873923	55874098	Chr19.61464	Habp2(-413911),Tcf7l2(+132201)	N/A
Chr19	55876653	55876832	Chr19.61469	Habp2(-411179),Tcf7l2(+134933)	N/A
Chr19	55877491	55877683	Chr19.61475	Habp2(-410335),Tcf7l2(+135777)	N/A
Chr19	5796757	5796899	Chr19.6148	Scyl1(-25427),Frmdb(+78446)	N/A
Chr19	55878078	55878214	Chr19.61480	Habp2(-409778),Tcf7l2(+136336)	N/A
Chr19	55880598	55880776	Chr19.61484	Habp2(-407235),Tcf7l2(+138877)	N/A
Chr19	55880847	55880968	Chr19.61489	Habp2(-407014),Tcf7l2(+139098)	N/A
Chr19	5797226	5797658	Chr19.6151	Scyl1(-26041),Frmdb(+77830)	N/A
Chr19	55885805	55886202	Chr19.61512	Habp2(-401803),Tcf7l2(+144209)	N/A
Chr19	55886600	55886848	Chr19.61519	Habp2(-401198),Tcf7l2(+144914)	N/A
Chr19	55890197	55890476	Chr19.61533	Habp2(-397585),Tcf7l2(+148527)	N/A
Chr19	55893750	55893995	Chr19.61547	Habp2(-394049),Tcf7l2(+152063)	N/A
Chr19	55894713	55894888	Chr19.61549	Habp2(-393121),Tcf7l2(+152991)	N/A
Chr19	5798213	5798404	Chr19.6155	Scyl1(-26908),Frmdb(+76945)	N/A
Chr19	55895171	55895296	Chr19.61552	Habp2(-392688),Tcf7l2(+153424)	N/A
Chr19	55895398	55895513	Chr19.61553	Habp2(-392466),Tcf7l2(+153646)	N/A
Chr19	55896629	55896999	Chr19.61568	Habp2(-391108),Tcf7l2(+155004)	N/A
Chr19	55897880	55898001	Chr19.61568	Habp2(-389981),Tcf7l2(+156131)	N/A
Chr19	5798781	5798937	Chr19.6157	Scyl1(-27458),Frmdb(+76415)	N/A
Chr19	55898497	55898657	Chr19.61570	Habp2(-388345),Tcf7l2(+156767)	N/A
Chr19	55900024	55900129	Chr19.61577	Habp2(-387845),Tcf7l2(+158267)	N/A
Chr19	5799187	5799354	Chr19.6158	Scyl1(-27870),Frmdb(+76003)	N/A
Chr19	55900905	55901012	Chr19.61581	Habp2(-386963),Tcf7l2(+159149)	N/A
Chr19	55901316	55901448	Chr19.61586	Habp2(-386540),Tcf7l2(+159572)	N/A
Chr19	5799580	5799732	Chr19.6159	Scyl1(-28255),Frmdb(+75618)	N/A
Chr19	55902836	55903021	Chr19.61594	Habp2(-384963),Tcf7l2(+161119)	N/A
Chr19	5590262	55902635	Chr19.61607	Habp2(-378523),Tcf7l2(+167589)	N/A
Chr19	5800077	5800334	Chr19.6161	Scyl1(-28805),Frmdb(+75068)	N/A
Chr19	55914359	55914472	Chr19.61617	Habp2(-373506),Tcf7l2(+172606)	N/A
Chr19	5800475	5800612	Chr19.6163	Scyl1(-29143),Frmdb(+74730)	N/A
Chr19	55924070	55924246	Chr19.61645	Habp2(-365764),Tcf7l2(+182348)	N/A
Chr19	5800763	5800880	Chr19.6165	Scyl1(-29421),Frmdb(+74452)	N/A
Chr19	55933552	55933680	Chr19.61705	Habp2(-354306),Tcf7l2(+191806)	N/A
Chr19	55940685	55941362	Chr19.61707	Habp2(-346898),Tcf7l2(+199214)	N/A
Chr19	55949977	55950425	Chr19.61719	Habp2(-337721),Tcf7l2(+208391)	N/A
Chr19	55970002	55970458	Chr19.61735	Habp2(-317691),Tcf7l2(+228421)	N/A
Chr19	55970490	55970820	Chr19.61744	Habp2(-317367),Tcf7l2(+228748)	N/A
Chr19	55991959	55992251	Chr19.61768	Habp2(-295871),Tcf7l2(+250295)	N/A
Chr19	55998821	55998972	Chr19.61780	Habp2(-289025),Tcf7l2(+257087)	N/A
Chr19	55999012	55999740	Chr19.61785	Habp2(-288546),Tcf7l2(+257566)	N/A
Chr19	56005094	56005325	Chr19.61796	Habp2(-282712),Tcf7l2(+263400)	N/A
Chr19	56005696	56005999	Chr19.61804	Habp2(-282119),Tcf7l2(+263930)	N/A
Chr19	56016878	56017004	Chr19.61823	Habp2(-270681),Tcf7l2(+275131)	N/A
Chr19	56017534	56017849	Chr19.61826	Habp2(-270230),Tcf7l2(+275882)	N/A
Chr19	56019305	56019434	Chr19.61835	Habp2(-268552),Tcf7l2(+277560)	N/A
Chr19	56022358	56022740	Chr19.61839	Habp2(-265373),Tcf7l2(+280739)	N/A
Chr19	56029711	56029901	Chr19.61849	Habp2(-258716),Tcf7l2(+287996)	N/A
Chr19	56246400	5624812	Chr19.6185	Scyl1(-53325),Frmdb(+50548)	N/A
Chr19	56062104	56062404	Chr19.61901	Habp2(-225668),Tcf7l2(+320444)	N/A
Chr19	5844223	5844435	Chr19.6195	Scyl1(-72928),Frmdb(+30945)	N/A
Chr19	5844922	5845025	Chr19.6198	Scyl1(-73573),Frmdb(+30300)	N/A
Chr19	56102845	56103072	Chr19.61981	Habp2(-184963),Tcf7l2(+361149)	N/A
Chr19	56103141	56103261	Chr19.61985	Habp2(-184721),Tcf7l2(+361391)	N/A
Chr19	56105084	56105208	Chr19.61988	Habp2(-182776),Tcf7l2(+363336)	N/A
Chr19	56105530	56105843	Chr19.61993	Habp2(-182235),Tcf7l2(+363877)	N/A
Chr19	56116262	56116598	Chr19.62008	Habp2(-171492),Tcf7l2(+374620)	N/A
Chr19	56131312	56131474	Chr19.62023	Habp2(-156529),Tcf7l2(+389583)	N/A
Chr19	56131762	56131861	Chr19.62030	Habp2(-156110),Tcf7l2(+390002)	N/A
Chr19	56133320	56133421	Chr19.62040	Habp2(-154551),Tcf7l2(+391561)	N/A
Chr19	56133660	56133837	Chr19.62047	Habp2(-154173),Tcf7l2(+391939)	N/A
Chr19	56134581	56134769	Chr19.62053	Habp2(-153247),Tcf7l2(+392865)	N/A
Chr19	56138510	56138612	Chr19.62061	Habp2(-149361),Tcf7l2(+396751)	N/A
Chr19	56169320	56169657	Chr19.62113	Habp2(-118433),Tcf7l2(+428789)	N/A
Chr19	56169700	56169921	Chr19.62119	Habp2(-118111),Tcf7l2(+428691)	N/A
Chr19	56172532	56172659	Chr19.62125	Habp2(-115326),Tcf7l2(+430798)	N/A
Chr19	56177207	56177794	Chr19.62126	Habp2(-110421),Tcf7l2(+435691)	N/A
Chr19	56185747	56185990	Chr19.62134	Habp2(-102053),Tcf7l2(+444059)	N/A
Chr19	56192275	56192436	Chr19.62162	Habp2(-95566),Tcf7l2(+450546)	N/A
Chr19	56217607	56217930	Chr19.62173	Habp2(-70153),Tcf7l2(+475959)	N/A
Chr19	56220731	56220970	Chr19.62185	Habp2(-67071),Tcf7l2(+479041)	N/A
Chr19	56232028	56232190	Chr19.62214	Habp2(-55813),Tcf7l2(+490299)	N/A
Chr19	56233557	56233940	Chr19.62221	Habp2(-54173),Tcf7l2(+491939)	N/A
Chr19	56234495	56234988	Chr19.62234	Habp2(-53180),Tcf7l2(+492932)	N/A
Chr19	56235035	56235243	Chr19.62235	Habp2(-52783),Tcf7l2(+493329)	N/A
Chr19	56244451	56244563	Chr19.62265	Habp2(-524115),Tcf7l2(+522697)	N/A
Chr19	56269511	56269893	Chr19.62276	Habp2(-18320),Tcf7l2(+527792)	N/A
Chr19	56291827	56292074	Chr19.62304	Habp2(+4029),Nrap(+98086)	N/A
Chr19	56300928	56301198	Chr19.62313	Habp2(+13141),Nrap(+88974)	N/A
Chr19	56320455	56320840	Chr19.62399	Habp2(+32726),Nrap(+69389)	N/A
Chr19	56325966	56325939	Chr19.62436	Habp2(+37881),Nrap(+64234)	N/A
Chr19	56328435	56328685	Chr19.62443	Habp2(+38638),Nrap(+63477)	N/A
Chr19	56344005	56344474	Chr19.62520	Nrap(+87897),Habp2(+56718)	N/A
Chr19	56346911	56347077	Chr19.62542	Nrap(+43043),Habp2(+59072)	N/A
Chr19	56350429	56350588	Chr19.62552	Nrap(+39528),Habp2(+62587)	N/A
Chr19	56425585	56425717	Chr19.62666	Plekhs1(-35986),Casp7(+28522)	N/A
Chr19	56425951	56426125	Chr19.62673	Plekhs1(-35609),Casp7(+28849)	N/A
Chr19	56494424	56494600	Chr19.62780	Plekhs1(+32875),Dclre1a(+53710)	N/A
Chr19	56499342	56499605	Chr19.62801	Plekhs1(+37837),Dclre1a(+48748)	N/A
Chr19	56602039	56602152	Chr19.62973	Adrb1(-120276),Nhr1c2(+53835)	N/A
Chr19	56631634	56631793	Chr19.63004	Adrb1(-90658),Nhr1c2(+83453)	N/A
Chr19	56663987	56664091	Chr19.63048	Adrb1(-58333),Nhr1c2(+115778)	N/A
Chr19	56669665	56669840	Chr19.63057	Adrb1(-53219),Nhr1c2(+120892)	N/A
Chr19	56678063	56678197	Chr19.63073	Adrb1(-44242),Nhr1c2(+129869)	N/A
Chr19	56678596	56678757	Chr19.63080	Adrb1(-43695),Nhr1c2(+130416)	N/A
Chr19	56727195	56727337	Chr19.63187	Adrb1(+4894),Code186(+94924)	N/A
Chr19	56822152	56822268	Chr19.63310	Code186(-20)	N/A
Chr19	56891325	56891486	Chr19.63434	Vwa2(-17157),Afp12(+116804)	N/A
Chr19	56920123	56920229	Chr19.63592	Vwa2(-49927),Afp12(+88034)	N/A
Chr19	3662652	3662846	Chr19.636	Ppp6r3(+87000),Lrp5(+23807)	N/A
Chr19	56977467	56977712	Chr19.63685	Afp12(+30620),Vwa2(+103341)	N/A
Chr19	56981888	56982098	Chr19.63690	Afp12(+26217),Vwa2(+107744)	N/A
Chr19	56983896	56984085	Chr19.63695	Afp12(+24219),Vwa2(+109742)	N/A
Chr19	56984833	56984969	Chr19.63700	Afp12(+23799),Vwa2(+101626)	N/A
Chr19	56989263	56989460	Chr19.63706	Afp12(+18848),Vwa2(+115113)	N/A

Chr19	56990549	56990655	Chr19.63710	Atap12(+17608),Vwa2(+116353)	N/A
Chr19	56997247	56997445	Chr19.63714	Atap12(+10864),Vwa2(+123097)	N/A
Chr19	56998917	56999082	Chr19.63720	Atap12(+9210),Vwa2(+124751)	N/A
Chr19	57034966	57036628	Chr19.63721	Atap12(+4653),Vwa2(+129308)	N/A
Chr19	57049833	57049958	Chr19.63798	Atap12(-41686),Abim1(+166136)	N/A
Chr19	57097882	57098014	Chr19.63886	Atap12(-89738),Abim1(+118084)	N/A
Chr19	57098644	57098806	Chr19.63888	Atap12(-90515),Abim1(+117307)	N/A
Chr19	57113025	57113292	Chr19.63899	Atap12(-104949),Abim1(+102873)	N/A
Chr19	57117455	57117635	Chr19.63904	Atap12(-109335),Abim1(+98487)	N/A
Chr19	57138993	57139134	Chr19.63930	Atap12(-130854),Abim1(+78968)	N/A
Chr19	5910362	5910531	Chr19.6395	Tigp3(-16340),Dpf2(+2424)	N/A
Chr19	57180547	57180689	Chr19.63979	Atap12(-172408),Abim1(+35414)	N/A
Chr19	57189431	57189647	Chr19.63985	Atap12(-181329),Abim1(+26493)	N/A
Chr19	57197494	57197611	Chr19.64000	Atap12(-189343),Abim1(+18479)	N/A
Chr19	57198366	57198554	Chr19.64004	Atap12(-190250),Abim1(+17572)	N/A
Chr19	57199557	57199773	Chr19.64012	Atap12(-191455),Abim1(+16367)	N/A
Chr19	57220836	57220996	Chr19.64043	Abim1(-4884)	N/A
Chr19	57239312	57239430	Chr19.64076	Fam160b1(-121638),Abim1(-23339)	N/A
Chr19	57242139	57242250	Chr19.64089	Fam160b1(-118814),Abim1(-26163)	N/A
Chr19	57265228	57265867	Chr19.64102	Fam160b1(-94311),Abim1(-50666)	N/A
Chr19	57277452	57277629	Chr19.64113	Fam160b1(-63468),Abim1(-61509)	N/A
Chr19	57306117	57306301	Chr19.64136	Abim1(-90177),Fam160b1(-54800)	N/A
Chr19	57313981	57314127	Chr19.64142	Abim1(-98022),Fam160b1(-46955)	N/A
Chr19	57314269	57314368	Chr19.64143	Abim1(-98287),Fam160b1(-46690)	N/A
Chr19	57342423	57342637	Chr19.64152	Abim1(-126448),Fam160b1(-18529)	N/A
Chr19	57359704	57359816	Chr19.64156	Fam160b1(-1249)	N/A
Chr19	3667785	3667985	Chr19.642	Ppdp6(-92136),Lp5(+18671)	N/A
Chr19	57424440	57424550	Chr19.64283	Trub1(-28411),Fam160b1(+63486)	N/A
Chr19	57486964	57487344	Chr19.64351	Atm1(-123880),Trub1(+34248)	N/A
Chr19	57510521	57510621	Chr19.64393	Atm1(-100463),Trub1(+57665)	N/A
Chr19	5930342	5930489	Chr19.6440	Cdc28p2(-5600),Pola2(+33790)	N/A
Chr19	57536157	57536334	Chr19.64408	Atm1(-14788),Trub1(+63340)	N/A
Chr19	57543586	57544017	Chr19.64418	Atm1(-67232),Trub1(+90896)	N/A
Chr19	57544239	57544554	Chr19.64426	Atm1(-66637),Trub1(+91491)	N/A
Chr19	57555475	57555624	Chr19.64443	Atm1(-55484),Trub1(+102644)	N/A
Chr19	57558844	57558981	Chr19.64450	Atm1(-52121),Trub1(+106007)	N/A
Chr19	57572819	57572942	Chr19.64469	Atm1(-38153),Trub1(+119973)	N/A
Chr19	57577419	57577563	Chr19.64484	Atm1(-33543),Trub1(+124558)	N/A
Chr19	57599568	57599724	Chr19.64507	Atm1(-11388),Trub1(+146740)	N/A
Chr19	57601767	57601914	Chr19.64515	Atm1(-9193),Trub1(+148935)	N/A
Chr19	57608829	57608949	Chr19.64522	Atm1(-2145)	N/A
Chr19	57608978	57609122	Chr19.64526	Atm1(-1984)	N/A
Chr19	57609979	57610093	Chr19.64533	Atm1(-698)	N/A
Chr19	57825446	57825657	Chr19.64702	Atm1(+214518),Gfra1(+629846)	N/A
Chr19	57850272	57850453	Chr19.64717	Atm1(+239329),Gfra1(+605035)	N/A
Chr19	57871148	57871423	Chr19.64730	Atm1(+260252),Gfra1(+584112)	N/A
Chr19	57924724	57924999	Chr19.64791	Atm1(+313828),Gfra1(+530536)	N/A
Chr19	57949380	57949670	Chr19.64831	Atm1(+338491),Gfra1(+505873)	N/A
Chr19	57961401	57961594	Chr19.64839	Atm1(+350464),Gfra1(+493900)	N/A
Chr19	57988617	57988748	Chr19.64880	Atm1(+377649),Gfra1(+466715)	N/A
Chr19	58015409	58015523	Chr19.64922	Atm1(+404432),Gfra1(+439932)	N/A
Chr19	58017696	58017801	Chr19.64930	Atm1(+406715),Gfra1(+437649)	N/A
Chr19	58043591	58043792	Chr19.64980	Gfra1(+411708),Atm1(+432658)	N/A
Chr19	59043117	59044626	Chr19.65007	Gfra1(+390926),Atm1(+453436)	N/A
Chr19	58077041	58077212	Chr19.65026	Gfra1(+378271),Atm1(+466093)	N/A
Chr19	58087668	58088964	Chr19.65051	Gfra1(+366532),Atm1(+477832)	N/A
Chr19	58095503	58095810	Chr19.65058	Gfra1(+359741),Atm1(+484623)	N/A
Chr19	58112589	58112733	Chr19.65085	Gfra1(+342737),Atm1(+501627)	N/A
Chr19	58118819	58119004	Chr19.65104	Gfra1(+336486),Atm1(+507878)	N/A
Chr19	58124922	58125616	Chr19.65116	Gfra1(+330128),Atm1(+514236)	N/A
Chr19	58126114	58126372	Chr19.65119	Gfra1(+329155),Atm1(+515209)	N/A
Chr19	58180787	58181134	Chr19.65226	Gfra1(+274437),Atm1(+569927)	N/A
Chr19	58201611	58202087	Chr19.65260	Gfra1(+253549),Atm1(+590815)	N/A
Chr19	58203707	58203956	Chr19.65274	Gfra1(+251568),Atm1(+592788)	N/A
Chr19	58228404	58228622	Chr19.65296	Gfra1(+228889),Atm1(+615479)	N/A
Chr19	58228723	58228905	Chr19.65299	Gfra1(+226584),Atm1(+617780)	N/A
Chr19	58244299	58244475	Chr19.65354	Gfra1(+211011),Atm1(+633353)	N/A
Chr19	58244801	58245037	Chr19.65360	Gfra1(+210479),Atm1(+633885)	N/A
Chr19	58259297	58259631	Chr19.65391	Gfra1(+195934),Atm1(+648430)	N/A
Chr19	58259824	58260007	Chr19.65398	Gfra1(+195477),Atm1(+648687)	N/A
Chr19	58278394	58278510	Chr19.65463	Gfra1(+178940),Atm1(+657418)	N/A
Chr19	58310553	58310765	Chr19.65525	Gfra1(+144739),Atm1(+699625)	N/A
Chr19	58310844	58311120	Chr19.65528	Gfra1(+144416),Atm1(+699948)	N/A
Chr19	58335705	58335880	Chr19.65579	Gfra1(+119605),Atm1(+724759)	N/A
Chr19	58350062	58350238	Chr19.65612	Gfra1(+105249),Atm1(+739115)	N/A
Chr19	58371317	58371337	Chr19.65676	Gfra1(+82141),Atm1(+762223)	N/A
Chr19	58395581	58395688	Chr19.65719	Gfra1(+59763),Atm1(+784601)	N/A
Chr19	58396429	58396529	Chr19.65723	Gfra1(+58919),Atm1(+785445)	N/A
Chr19	58396607	58397317	Chr19.65726	Gfra1(+58436),Atm1(+785928)	N/A
Chr19	58413757	58414002	Chr19.65771	Gfra1(+41518),Atm1(+802846)	N/A
Chr19	58419585	58419779	Chr19.65775	Gfra1(+35716),Atm1(+808649)	N/A
Chr19	58423071	58423226	Chr19.65796	Gfra1(+32249),Atm1(+812115)	N/A
Chr19	58435706	58435842	Chr19.65813	Gfra1(+19624),Atm1(+824740)	N/A
Chr19	58437678	58437824	Chr19.65818	Gfra1(+17647),Atm1(+826717)	N/A
Chr19	58451643	58451873	Chr19.65852	Gfra1(+3640),Atm1(+840729)	N/A
Chr19	58452229	58452396	Chr19.65860	Gfra1(+3085),Atm1(+841724)	N/A
Chr19	58461037	58461298	Chr19.65901	Ccdc172(-50834),Gfra1(+51702)	N/A
Chr19	58468534	58469179	Chr19.65916	Ccdc172(-42995),Gfra1(-13609)	N/A
Chr19	58486904	58487119	Chr19.65936	Gfra1(-31614),Ccdc172(-24990)	N/A
Chr19	5988548	5988675	Chr19.6620	Slc22a20(-2469)	N/A
Chr19	58913999	58914121	Chr19.66561	Hspa12a(-53076),Eno4(-29365)	N/A
Chr19	58918706	58918832	Chr19.66564	Hspa12a(-57785),Eno4(-24658)	N/A
Chr19	59031893	59031985	Chr19.66582	Hspa12a(-70955),Eno4(-1486)	N/A
Chr19	59037494	59037617	Chr19.66599	Hspa12a(-76572),Eno4(-5689)	N/A
Chr19	59068547	59068779	Chr19.66674	Eno4(-25238),Shn1(+107406)	N/A
Chr19	58979339	58979455	Chr19.66709	Eno4(+35972),Shn1(+96672)	N/A
Chr19	59081616	59081840	Chr19.66717	Eno4(+38308),Shn1(+94336)	N/A
Chr19	59052879	59053054	Chr19.66841	Shn1(+23102),Eno4(+198542)	N/A
Chr19	59135795	59135927	Chr19.66936	Shn1(-59792),Vax1(+35117)	N/A
Chr19	59140765	59140907	Chr19.66939	Shn1(-64767),Vax1(+30142)	N/A
Chr19	59164713	59164846	Chr19.66957	Shn1(-88711),Vax1(+6198)	N/A
Chr19	59170255	59170739	Chr19.66977	Vax1(+481)	N/A
Chr19	59171156	59171457	Chr19.66983	Vax1(-329)	N/A
Chr19	59173700	59173907	Chr19.66984	Vax1(-2421)	N/A
Chr19	59193119	59193339	Chr19.67010	Kcnk18(-26419),Vax1(-22251)	N/A
Chr19	6046978	6047135	Chr19.6726	Syvn1(+481)	N/A
Chr19	59359998	59360206	Chr19.67302	Emx2(-98270),Pdzd8(-14322)	N/A
Chr19	59388434	59388561	Chr19.67324	Emx2(-69874),Pdzd8(-42718)	N/A
Chr19	59403062	59404077	Chr19.67342	Emx2(-57952),Pdzd8(-54640)	N/A
Chr19	59424454	59424590	Chr19.67357	Pdzd8(-78742),Emx2(-38550)	N/A
Chr19	59457387	59457574	Chr19.67410	Emx2(-891)	N/A
Chr19	59458543	59458840	Chr19.67417	Emx2(-320)	N/A
Chr19	59458915	59459064	Chr19.67420	Emx2(-618)	N/A
Chr19	59462586	59462857	Chr19.67437	Emx2(+4350),Rab11fp2(+480642)	N/A
Chr19	59468041	59468285	Chr19.67468	Emx2(+9791),Rab11fp2(+473501)	N/A
Chr19	59469158	59469331	Chr19.67465	Emx2(+10873),Rab11fp2(+474119)	N/A
Chr19	59470299	59470707	Chr19.67471	Emx2(+12131),Rab11fp2(+472861)	N/A
Chr19	59471377	59471524	Chr19.67474	Emx2(+13079),Rab11fp2(+471913)	N/A
Chr19	59537993	59538128	Chr19.67536	Emx2(+79689),Rab11fp2(+405303)	N/A
Chr19	59542254	59542504	Chr19.67543	Emx2(+84016),Rab11fp2(+409976)	N/A
Chr19	59587709	59587935	Chr19.67583	Emx2(+128070),Rab11fp2(+355922)	N/A
Chr19	59588207	59588445	Chr19.67587	Emx2(+129954),Rab11fp2(+355038)	N/A
Chr19	59597459	59597603	Chr19.67602	Emx2(+139159),Rab11fp2(+345833)	N/A
Chr19	59630288	59630481	Chr19.67626	Emx2(+172013),Rab11fp2(+312979)	N/A
Chr19	59639367	59639752	Chr19.67660	Emx2(+181188),Rab11fp2(+303804)	N/A
Chr19	59653373	59653510	Chr19.67685	Emx2(+195070),Rab11fp2(+289222)	N/A
Chr19	59653626	59653789	Chr19.67687	Emx2(+195339),Rab11fp2(+289656)	N/A
Chr19	59669749	59669990	Chr19.67704	Emx2(+211498),Rab11fp2(+273494)	N/A
Chr19	6053143	6053357	Chr19.67773	Fau(-4717),Mpl49(+4501)	N/A
Chr19	59697729	59697941	Chr19.67758	Emx2(+239463),Rab11fp2(+245529)	N/A
Chr19	59733757	59733913	Chr19.67820	Rab11fp2(-209529),Emx2(+275463)	N/A
Chr19	59737638	59738264	Chr19.67829	Rab11fp2(-205313),Emx2(+279479)	N/A
Chr19	59784510	59784696	Chr19.67884	Rab11fp2(-153671),Emx2(+326231)	N/A
Chr19	59798379	59798491	Chr19.67909	Rab11fp2(+144928),Emx2(+340063)	N/A
Chr19	59850987	59851115	Chr19.67986	Rab11fp2(+92313),Emx2(+392679)	N/A
Chr19	59863766	59863925	Chr19.68007	Rab11fp2(+79518),Emx2(+405474)	N/A
Chr19	59864211	59864335	Chr19.68010	Rab11fp2(+79091),Emx2(+405860)	N/A
Chr19	59905807	59905915	Chr19.68080	Rab11fp2(+37503),Emx2(+447489)	N/A

Chr19		59940723	59940834	Chr19.68167	<i>Rab11fp2(+2585),Emx2(+482407)</i>	N/A
Chr19		59954721	59955028	Chr19.68197	<i>E330013p04nk(-189814),Rab11fp2(-11511)</i>	N/A
Chr19		59961837	59962194	Chr19.68205	<i>E330013p04nk(-182673),Rab11fp2(-18652)</i>	N/A
Chr19		60051446	60051571	Chr19.68226	<i>Rab11fp2(-108145),E330013p04nk(-93180)</i>	N/A
Chr19		60055553	60055712	Chr19.68309	<i>Rab11fp2(-112269),E330013p04nk(-89056)</i>	N/A
Chr19		60078007	60078118	Chr19.68326	<i>Rab11fp2(-134699),E330013p04nk(-66626)</i>	N/A
Chr19		60078187	60078291	Chr19.68327	<i>Rab11fp2(-134875),E330013p04nk(-66450)</i>	N/A
Chr19		60111217	60111460	Chr19.68354	<i>Rab11fp2(-167975),E330013p04nk(-33350)</i>	N/A
Chr19		60113815	60113955	Chr19.68367	<i>Rab11fp2(-170521),E330013p04nk(-30804)</i>	N/A
Chr19		60118432	60118729	Chr19.68375	<i>Rab11fp2(-175217),E330013p04nk(-26109)</i>	N/A
Chr19		60119143	60119580	Chr19.68380	<i>Rab11fp2(-175998),E330013p04nk(-25327)</i>	N/A
Chr19		60121018	60121364	Chr19.68389	<i>Rab11fp2(-177827),E330013p04nk(-23498)</i>	N/A
Chr19		60121909	60122106	Chr19.68398	<i>Rab11fp2(-178644),E330013p04nk(-22681)</i>	N/A
Chr19		60127358	60127461	Chr19.68409	<i>Rab11fp2(-184046),E330013p04nk(-17279)</i>	N/A
Chr19		60137956	60138249	Chr19.68414	<i>Rab11fp2(-194739),E330013p04nk(-6586)</i>	N/A
Chr19		60142305	60142419	Chr19.68423	<i>E330013p04nk(-2327)</i>	N/A
Chr19		60143184	60143310	Chr19.68427	<i>E330013p04nk(-1442)</i>	N/A
Chr19		60156839	60156938	Chr19.68466	<i>E330013p04nk(+12200),Fam204a(+69808)</i>	N/A
Chr19		60166837	60166980	Chr19.68501	<i>E330013p04nk(+22220),Fam204a(+59788)</i>	N/A
Chr19		60289520	60289653	Chr19.68698	<i>Fam204a(-62890),Pthfr(+170717)</i>	N/A
Chr19		60328543	60328659	Chr19.68781	<i>Fam204a(-101904),Pthfr(+138703)</i>	N/A
Chr19		60364410	60364611	Chr19.68846	<i>Fam204a(-137814),Pthfr(+103793)</i>	N/A
Chr19		60651345	60651453	Chr19.69108	<i>Nanos1(-104588),Cacul1(-70376)</i>	N/A
Chr19		60757295	60757412	Chr19.69188	<i>Nanos1(+1367),Elf3a(+33339)</i>	N/A
Chr19		60757687	60757820	Chr19.69191	<i>Nanos1(+1767),Elf3a(+32939)</i>	N/A
Chr19		60790442	60790142	Chr19.69262	<i>Elf3a(+501)</i>	N/A
Chr19		60890857	60890990	Chr19.69373	<i>Grk5(+1175),Gm7102(+285385)</i>	N/A
Chr19		60891226	60891370	Chr19.69375	<i>Grk5(+1549),Gm7102(+285011)</i>	N/A
Chr19		60902917	60903115	Chr19.69408	<i>Grk5(+13267),Gm7102(+273293)</i>	N/A
Chr19		60903297	60903486	Chr19.69415	<i>Grk5(+13643),Gm7102(+272917)</i>	N/A
Chr19		60917255	60917396	Chr19.69430	<i>Grk5(+27577),Gm7102(+258963)</i>	N/A
Chr19		60935870	60935148	Chr19.69437	<i>Grk5(+6267),Gm7102(+240299)</i>	N/A
Chr19		60950435	60950561	Chr19.69457	<i>Grk5(+60749),Gm7102(+225811)</i>	N/A
Chr19		61021646	61021834	Chr19.69522	<i>Grk5(+131991),Gm7102(+154569)</i>	N/A
Chr19		61022162	61022296	Chr19.69526	<i>Grk5(+132480),Gm7102(+154080)</i>	N/A
Chr19		61022512	61022683	Chr19.69529	<i>Grk5(+132849),Gm7102(+153711)</i>	N/A
Chr19		6191699	6191689	Chr19.7210	<i>Gpha2(-34604),Majin(+7317)</i>	N/A
Chr19		6206740	6207023	Chr19.7221	<i>Gpha2(-19506),Majin(+22415)</i>	N/A
Chr19		6218767	6218933	Chr19.7242	<i>Gpha2(-7538),Majin(+34383)</i>	N/A
Chr19		6227742	6228018	Chr19.7268	<i>Gpha2(+1492),Ppp2r5b(+7992)</i>	N/A
Chr19		6236274	6236425	Chr19.7323	<i>Ppp2r5b(-478)</i>	N/A
Chr19		6241567	6241728	Chr19.7332	<i>Atg2a(-20)</i>	N/A
Chr19		6264393	6264540	Chr19.7356	<i>Ehd1(-12258),Atg2a(+22799)</i>	N/A
Chr19		6274076	6274195	Chr19.7568	<i>Ehd1(-2589)</i>	N/A
Chr19		3869879	3870183	Chr19.759	<i>Chka(-18234),Tcig1(+36960)</i>	N/A
Chr19		3870747	3870878	Chr19.765	<i>Chka(+19016),Tcig1(+36178)</i>	N/A
Chr19		6302874	6302884	Chr19.7650	<i>Cdc42bpg(-3694)</i>	N/A
Chr19		6303778	63037927	Chr19.7667	<i>Men1(-27121),Cdc42bpg(+1402)</i>	N/A
Chr19		3870921	3871195	Chr19.767	<i>Chka(+19251),Tcig1(+35933)</i>	N/A
Chr19		6308080	6308232	Chr19.7670	<i>Men1(-26623),Cdc42bpg(+1700)</i>	N/A
Chr19		6308748	6308866	Chr19.7672	<i>Men1(-26172),Cdc42bpg(+2351)</i>	N/A
Chr19		6334969	6335095	Chr19.7867	<i>Men1(+53)</i>	N/A
Chr19		6336315	6363972	Chr19.8004	<i>Sf1(+204)</i>	N/A
Chr19		6370861	6370869	Chr19.8038	<i>Pygm(-13619),Sf1(+7090)</i>	N/A
Chr19		6375223	6375502	Chr19.8080	<i>Pygm(-9036),Sf1(+11673)</i>	N/A
Chr19		6376013	6376582	Chr19.8087	<i>Pygm(-8101),Sf1(+12608)</i>	N/A
Chr19		6377467	6377592	Chr19.8094	<i>Pygm(-6889),Sf1(+13840)</i>	N/A
Chr19		6383596	6383699	Chr19.8101	<i>Pygm(-751)</i>	N/A
Chr19		3893544	3893643	Chr19.821	<i>Tcig1(-13397),Chka(+41797)</i>	N/A
Chr19		6399072	6399187	Chr19.8226	<i>Rasgrp2(+10)</i>	N/A
Chr19		6399468	6399606	Chr19.8228	<i>Rasgrp2(+197)</i>	N/A
Chr19		6402059	6402240	Chr19.8241	<i>Nrxn2(-16581),Rasgrp2(+2810)</i>	N/A
Chr19		6416231	6416332	Chr19.8313	<i>Nrxn2(-2449)</i>	N/A
Chr19		6446166	6446281	Chr19.8350	<i>Nrxn2(-27493),Slc22a12(+96795)</i>	N/A
Chr19		6453492	6453637	Chr19.8356	<i>Nrxn2(-34834),Slc22a12(+89454)</i>	N/A
Chr19		6465258	6465419	Chr19.8395	<i>Nrxn2(-46608),Slc22a12(-77680)</i>	N/A
Chr19		6469379	6469492	Chr19.8401	<i>Nrxn2(+50705),Slc22a12(+73583)</i>	N/A
Chr19		6488195	6488485	Chr19.8459	<i>Slc22a12(-54679),Nrxn2(+69609)</i>	N/A
Chr19		6492533	6492665	Chr19.8488	<i>Slc22a12(+50420),Nrxn2(+73868)</i>	N/A
Chr19		6495761	6495886	Chr19.8501	<i>Slc22a12(+47195),Nrxn2(+77092)</i>	N/A
Chr19		6513184	6513288	Chr19.8526	<i>Slc22a12(-29778),Nrxn2(+94510)</i>	N/A
Chr19		6515750	6515892	Chr19.8540	<i>Slc22a12(+27198),Nrxn2(+97090)</i>	N/A
Chr19		6518704	6518810	Chr19.8552	<i>Slc22a12(+24262),Nrxn2(+100026)</i>	N/A
Chr19		6519575	6519685	Chr19.8558	<i>Slc22a12(+23389),Nrxn2(+100899)</i>	N/A
Chr19		6532958	6533057	Chr19.8585	<i>Slc22a12(+10071),Nrxn2(+114277)</i>	N/A
Chr19		6911979	6911689	Chr19.8877	<i>Ptds1(-2116)</i>	N/A
Chr19		6921183	6921388	Chr19.8922	<i>Esrra(-522)</i>	N/A
Chr19		6921757	6921903	Chr19.8926	<i>Esrra(-22)</i>	N/A
Chr19		6922303	6922458	Chr19.8929	<i>Esrra(-573)</i>	N/A
Chr19		6930873	6938185	Chr19.8963	<i>Bad(-3732),Kcnk4(-3614)</i>	N/A
Chr19		6942511	6942619	Chr19.9019	<i>Gpr137(-1372),Bad(+704)</i>	N/A
Chr19		6952799	6952965	Chr19.9037	<i>Bad(+1016),Pkc3(+1682)</i>	N/A
Chr19		6953948	6954133	Chr19.9044	<i>Bad(+12180),Pkc3(+15718)</i>	N/A
Chr19		6970596	6970824	Chr19.9175	<i>Ppp1r14b(-4338),Pkc3(-951)</i>	N/A
Chr19		6977373	6977476	Chr19.9197	<i>Ppp1r14b(+2377),Fkbp2(+3015)</i>	N/A
Chr19		6979523	6979888	Chr19.9210	<i>Fkbp2(+744)</i>	N/A
Chr19		6980302	6980510	Chr19.9216	<i>Fkbp2(+34)</i>	N/A
Chr19		7039864	7039980	Chr19.9466	<i>Stp1(+104)</i>	N/A
Chr19		7068379	7068579	Chr19.9488	<i>Macrod1(+11711),Firt1(+37250)</i>	N/A
Chr19		7070445	7070567	Chr19.9498	<i>Macrod1(+13738),Firt1(+35223)</i>	N/A
Chr19		7074230	7074421	Chr19.9505	<i>Macrod1(+17558),Firt1(+31403)</i>	N/A
Chr19		7077772	7077977	Chr19.9507	<i>Macrod1(+21107),Firt1(+27854)</i>	N/A
Chr19		7083497	7083624	Chr19.9515	<i>Firt1(+22168),Macrod1(+26793)</i>	N/A
Chr19		7084904	7085014	Chr19.9518	<i>Firt1(+20770),Macrod1(+28191)</i>	N/A
Chr19		7091802	7091934	Chr19.9533	<i>Firt1(+13861),Macrod1(+35100)</i>	N/A
Chr19		7102192	7102296	Chr19.9606	<i>Firt1(+3485),Macrod1(+45476)</i>	N/A
Chr19		7102392	7102546	Chr19.9609	<i>Firt1(+3260),Macrod1(+45701)</i>	N/A
Chr19		7104210	7104433	Chr19.9613	<i>Firt1(+1407),Macrod1(+47554)</i>	N/A
Chr19		7105600	7105763	Chr19.9618	<i>Firt1(+47)</i>	N/A
Chr19		7109986	7110141	Chr19.9630	<i>Firt1(-4335)</i>	N/A
Chr19		7113471	7113596	Chr19.9638	<i>Firt1(-7805),Otub1(+92782)</i>	N/A
Chr19		7116964	7117067	Chr19.9642	<i>Firt1(-11287),Otub1(+89300)</i>	N/A
Chr19		7135959	7136119	Chr19.9659	<i>Firt1(-30319),Otub1(+70272)</i>	N/A
Chr19		7141357	7141483	Chr19.9674	<i>Firt1(-35681),Otub1(+64906)</i>	N/A
Chr19		7143706	7143940	Chr19.9676	<i>Firt1(-38094),Otub1(+62493)</i>	N/A
Chr19		7146372	7146623	Chr19.9680	<i>Firt1(-40769),Otub1(+59818)</i>	N/A
Chr19		7148331	7148447	Chr19.9690	<i>Firt1(-42660),Otub1(+57927)</i>	N/A
Chr19		7155293	7155415	Chr19.9698	<i>Firt1(-49626),Otub1(+50962)</i>	N/A
Chr19		7157715	7157912	Chr19.9706	<i>Firt1(-50269),Otub1(+48502)</i>	N/A
Chr19		7163537	7163714	Chr19.9722	<i>Firt1(-77897),Otub1(+52690)</i>	N/A
Chr19		7186245	7186352	Chr19.9726	<i>Firt1(-80570),Otub1(+20017)</i>	N/A
Chr19		7191246	7191413	Chr19.9731	<i>Firt1(-85601),Otub1(+14986)</i>	N/A
Chr19		7264990	7265100	Chr19.9828	<i>Rco2(-4719)</i>	N/A
Chr19		7276041	7276146	Chr19.9899	<i>Rco2(-6331),Mark2(+65338)</i>	N/A
Chr19		7276530	7276822	Chr19.9905	<i>Rco2(+6912),Mark2(+64757)</i>	N/A
Chr19		7277916	7278157	Chr19.9919	<i>Rco2(-8273),Mark2(+63396)</i>	N/A
Chr19		7280671	7280840	Chr19.9936	<i>Rco2(+10992),Mark2(+60677)</i>	N/A
Chr19		7295030	7295338	Chr19.9994	<i>Rco2(+25420),Mark2(+46249)</i>	N/A
Chr19		7295490	7295625	Chr19.9998	<i>Rco2(-25794),Mark2(+45875)</i>	N/A
Chr2		4294944	4285243	Chr2.1002	<i>Fmna4a(+13222),Pipr18(-366992)</i>	N/A
Chr2		13385296	1338422	Chr2.10024	<i>Rsu1(-113828),Cubn(-106569)</i>	N/A
Chr2		90480890	90481051	Chr2.100313	<i>Ptpnj(+99676),Olf11565(+158749)</i>	N/A
Chr2		90490690	90490900	Chr2.100322	<i>Ptpnj(+89852),Olf11565(+168573)</i>	N/A
Chr2		90504841	90505184	Chr2.100338	<i>Ptpnj(+75634),Olf11565(+182791)</i>	N/A
Chr2		13386157	13386261	Chr2.10034	<i>Rsu1(-114778),Cubn(+105715)</i>	N/A
Chr2		90522621	90522673	Chr2.100368	<i>Ptpnj(+58050),Olf11565(+200359)</i>	N/A
Chr2		13386860	13386971	Chr2.10037	<i>Rsu1(-115485),Cubn(+105008)</i>	N/A
Chr2		90536698	90536801	Chr2.100379	<i>Ptpnj(+43897),Olf11565(+214528)</i>	N/A
Chr2		90566150	90566258	Chr2.100408	<i>Ptpnj(+14443),Olf11565(+243982)</i>	N/A
Chr2		90574235	90574357	Chr2.100413	<i>Ptpnj(+6351),Olf11565(+252074)</i>	N/A
Chr2		90666734	90666884	Chr2.100481	<i>Ptpnj(-86162),Nup160(-10406)</i>	N/A
Chr2		90667845	90667952	Chr2.100483	<i>Ptpnj(-87252),Nup160(-9316)</i>	N/A
Chr2		90667983	90668143	Chr2.100484	<i>Ptpnj(-87416),Nup160(-9152)</i>	N/A
Chr2		90670307	90670525	Chr2.100486	<i>Ptpnj(-89769),Nup160(-6799)</i>	N/A
Chr2		13399308	13399435	Chr2.10072	<i>Rsu1(-127941),Cubn(+92552)</i>	N/A
Chr2		90868535	90868641	Chr2.100810	<i>Ctqn4(-17272),Mch2(+21433)</i>	N/A
Chr2		90870479	90870603	Chr2.100813	<i>Ctqn4(-15319),Mch2(+23386)</i>	N/A
Chr2		13407362	13407504	Chr2.10083	<i>Rsu1(-158002),Cubn(+94491)</i>	N/A

Chr2		90891876	90892095	Chr2:100846	<i>Kbtbd4</i> (-12757), <i>C1qtnf4</i> (+6126)	N/A
Chr2		90913981	90914178	Chr2:100911	<i>Celf1</i> (-73540), <i>Ndufs3</i> (-9253)	N/A
Chr2		90917427	90917533	Chr2:100916	<i>Celf1</i> (-70140), <i>Ndufs3</i> (-12653)	N/A
Chr2		90954863	90955070	Chr2:100954	<i>Ndufs3</i> (-60150), <i>Celf1</i> (-22643)	N/A
Chr2		90971119	90971334	Chr2:100967	<i>Ndufs3</i> (-66400), <i>Celf1</i> (-16393)	N/A
Chr2		90975006	90975109	Chr2:100971	<i>Ndufs3</i> (-70231), <i>Celf1</i> (-12562)	N/A
Chr2		90975292	90975432	Chr2:100972	<i>Ndufs3</i> (-70535), <i>Celf1</i> (-12258)	N/A
Chr2		91018604	91018765	Chr2:101043	<i>Rapan1</i> (-16956), <i>Celf1</i> (+31065)	N/A
Chr2		91059245	91059362	Chr2:101117	<i>Panc3</i> (-5293), <i>Slc39a13</i> (+11113)	N/A
Chr2		91070658	91070847	Chr2:101157	<i>Slc39a13</i> (-336)	N/A
Chr2		91083003	91083196	Chr2:101165	<i>Spi1</i> (-12996), <i>Slc39a13</i> (-12683)	N/A
Chr2		91084304	91084456	Chr2:101168	<i>Slc39a13</i> (-13963), <i>Spi1</i> (-11716)	N/A
Chr2		91086443	91086616	Chr2:101177	<i>Slc39a13</i> (-16113), <i>Spi1</i> (-9566)	N/A
Chr2		91096571	91096761	Chr2:101184	<i>Spi1</i> (+570)	N/A
Chr2		91113502	91113613	Chr2:101195	<i>Mybp3</i> (-4586)	N/A
Chr2		4286665	4286766	Chr2:1013	<i>Fmrd4a</i> (+133944), <i>Pipf1b</i> (+365370)	N/A
Chr2		91139227	91139364	Chr2:101388	<i>Mybp3</i> (+21152), <i>Madd</i> (+44522)	N/A
Chr2		91139862	91140003	Chr2:101395	<i>Mybp3</i> (+21789), <i>Madd</i> (+43885)	N/A
Chr2		91140770	91140933	Chr2:101399	<i>Mybp3</i> (+22708), <i>Madd</i> (+42966)	N/A
Chr2		9159803	91160006	Chr2:101439	<i>Madd</i> (+23913), <i>Mybp3</i> (+41781)	N/A
Chr2		91152077	91152223	Chr2:101550	<i>Madd</i> (+1668), <i>Mybp3</i> (+64006)	N/A
Chr2		91195014	91195234	Chr2:101596	<i>Nr1h3</i> (-89)	N/A
Chr2		91196518	91196713	Chr2:101604	<i>Nr1h3</i> (-1581)	N/A
Chr2		91258215	91258411	Chr2:101734	<i>Paccin3</i> (+984)	N/A
Chr2		91259675	91259813	Chr2:101742	<i>Arfgap2</i> (-5549), <i>Paccin3</i> (+2415)	N/A
Chr2		91277018	91277174	Chr2:101860	<i>Arfgap2</i> (+1803), 1110051m20nk(+167546)	N/A
Chr2		91291212	91291333	Chr2:101885	<i>Arfgap2</i> (+25980), 1110051m20nk(+153369)	N/A
Chr2		91318990	91319139	Chr2:101929	<i>Arfgap2</i> (+53772), 1110051m20nk(+125577)	N/A
Chr2		91319190	91319433	Chr2:101930	<i>Arfgap2</i> (+54019), 1110051m20nk(+125530)	N/A
Chr2		91323282	91323383	Chr2:101951	<i>Arfgap2</i> (+58040), 1110051m20nk(+121309)	N/A
Chr2		91324816	91325149	Chr2:101957	<i>Arfgap2</i> (+59690), 1110051m20nk(+119659)	N/A
Chr2		91326997	91327047	Chr2:101961	<i>Arfgap2</i> (+61679), 1110051m20nk(+117670)	N/A
Chr2		91327869	91328633	Chr2:101969	<i>Arfgap2</i> (+62958), 1110051m20nk(+116391)	N/A
Chr2		91330173	91330313	Chr2:101977	<i>Arfgap2</i> (+64950), 1110051m20nk(+114399)	N/A
Chr2		91330381	91330691	Chr2:101980	<i>Arfgap2</i> (+65243), 1110051m20nk(+114106)	N/A
Chr2		91361006	91361300	Chr2:102010	1110051m20nk(+83489), <i>Arfgap2</i> (+95860)	N/A
Chr2		91361395	91361534	Chr2:102012	1110051m20nk(+83177), <i>Arfgap2</i> (+96172)	N/A
Chr2		91377599	91377825	Chr2:102026	1110051m20nk(+66930), <i>Arfgap2</i> (+112419)	N/A
Chr2		91384432	91384687	Chr2:102031	1110051m20nk(+60082), <i>Arfgap2</i> (+119267)	N/A
Chr2		91399439	91399705	Chr2:102038	1110051m20nk(+45070), <i>Arfgap2</i> (+134279)	N/A
Chr2		91397996	91400056	Chr2:102041	1110051m20nk(+44716), <i>Arfgap2</i> (+134633)	N/A
Chr2		91411567	91411674	Chr2:102047	1110051m20nk(+33021), <i>Arfgap2</i> (+146328)	N/A
Chr2		91412518	91412665	Chr2:102051	1110051m20nk(+32090), <i>Arfgap2</i> (+147299)	N/A
Chr2		91412911	91413141	Chr2:102052	1110051m20nk(+31616), <i>Arfgap2</i> (+147733)	N/A
Chr2		91424624	91424854	Chr2:102075	1110051m20nk(+19903), <i>Arfgap2</i> (+159446)	N/A
Chr2		91429922	91430198	Chr2:102094	1110051m20nk(+14582), <i>Arfgap2</i> (+164767)	N/A
Chr2		91430485	91430894	Chr2:102098	1110051m20nk(+13952), <i>Arfgap2</i> (+165397)	N/A
Chr2		91437201	91437823	Chr2:102106	1110051m20nk(+7130), <i>Arfgap2</i> (+172219)	N/A
Chr2		91455167	91455509	Chr2:102132	<i>Lrp4</i> (-2173)	N/A
Chr2		91455583	91455731	Chr2:102136	<i>Lrp4</i> (-1854)	N/A
Chr2		91456748	91456919	Chr2:102141	<i>Lrp4</i> (-677)	N/A
Chr2		91456990	91457166	Chr2:102143	<i>Lrp4</i> (-433)	N/A
Chr2		91459179	91459294	Chr2:102157	<i>Ckap5</i> (-67525), <i>Lrp4</i> (+1726)	N/A
Chr2		91459415	91459636	Chr2:102159	<i>Ckap5</i> (-67266), <i>Lrp4</i> (+1965)	N/A
Chr2		91460889	91461011	Chr2:102162	<i>Ckap5</i> (-65812), <i>Lrp4</i> (+3439)	N/A
Chr2		91462296	91462448	Chr2:102171	<i>Ckap5</i> (-64390), <i>Lrp4</i> (+4861)	N/A
Chr2		91467768	91467934	Chr2:102182	<i>Ckap5</i> (-58911), <i>Lrp4</i> (+10340)	N/A
Chr2		91470360	91470537	Chr2:102190	<i>Ckap5</i> (-56313), <i>Lrp4</i> (+12938)	N/A
Chr2		4298409	4298651	Chr2:1022	<i>Fmrd4a</i> (+146558), <i>Pipf1b</i> (+353556)	N/A
Chr2		91527629	91527848	Chr2:102363	<i>Ckap5</i> (-1027), <i>F2</i> (+108623)	N/A
Chr2		91537726	91537896	Chr2:102367	<i>Ckap5</i> (+11049), <i>F2</i> (+98603)	N/A
Chr2		91537929	91538091	Chr2:102372	<i>Ckap5</i> (+11248), <i>F2</i> (+98404)	N/A
Chr2		4298969	4299070	Chr2:1027	<i>Fmrd4a</i> (+146148), <i>Pipf1b</i> (+353066)	N/A
Chr2		91682762	91682917	Chr2:102743	<i>Atg13</i> (+27726), <i>Amrap1</i> (+32732)	N/A
Chr2		91709754	91709911	Chr2:102774	<i>Harb1</i> (-1088), <i>Atg13</i> (+743)	N/A
Chr2		91710829	91710981	Chr2:102780	<i>Atg13</i> (-329), <i>Harb1</i> (-17)	N/A
Chr2		91715052	91715180	Chr2:102800	<i>Atg13</i> (-4540), <i>Harb1</i> (+4194)	N/A
Chr2		91750053	91750172	Chr2:102834	<i>Chrm4</i> (-172076), <i>Ambra1</i> (+19888)	N/A
Chr2		91794670	91794849	Chr2:102905	<i>Chrm4</i> (-127429), <i>Ambra1</i> (+64535)	N/A
Chr2		91825794	91825944	Chr2:102961	<i>Chrm4</i> (-96520), <i>Ambra1</i> (+56644)	N/A
Chr2		91852673	91852964	Chr2:102965	<i>Chrm4</i> (-69370), <i>Ambra1</i> (+122544)	N/A
Chr2		91859525	91859791	Chr2:103010	<i>Chrm4</i> (-62531), <i>Ambra1</i> (+129433)	N/A
Chr2		91870882	91871001	Chr2:103021	<i>Chrm4</i> (-51247), <i>Ambra1</i> (+140717)	N/A
Chr2		91904753	91904916	Chr2:103094	<i>Chrm4</i> (-17354), <i>Ambra1</i> (+174610)	N/A
Chr2		91906344	91906458	Chr2:103099	<i>Chrm4</i> (-15788), <i>Ambra1</i> (+176176)	N/A
Chr2		91923804	91923980	Chr2:103142	<i>Chrm4</i> (-17323), <i>Mdk</i> (+9405)	N/A
Chr2		91925525	91925678	Chr2:103145	<i>Chrm4</i> (+3413), <i>Mdk</i> (+6695)	N/A
Chr2		4300333	4300570	Chr2:1032	<i>Fmrd4a</i> (+147580), <i>Pipf1b</i> (+351634)	N/A
Chr2		91947805	91947950	Chr2:103321	<i>Gm982</i> (+2175), <i>Dgkz</i> (+2549)	N/A
Chr2		91957147	91957383	Chr2:103333	<i>Dgkz</i> (-6838), <i>Creb3</i> (+1+67237)	N/A
Chr2		91965591	91965725	Chr2:103353	<i>Dgkz</i> (-15231), <i>Creb3</i> (+1+58644)	N/A
Chr2		91968327	91968618	Chr2:103361	<i>Dgkz</i> (-18046), <i>Creb3</i> (+1+56029)	N/A
Chr2		91971542	91971782	Chr2:103367	<i>Dgkz</i> (-21235), <i>Creb3</i> (+1+52840)	N/A
Chr2		91978562	91978665	Chr2:103374	<i>Dgkz</i> (-28187), <i>Creb3</i> (+1+45888)	N/A
Chr2		92007120	92007252	Chr2:103415	<i>Dgkz</i> (-56759), <i>Creb3</i> (+1+17316)	N/A
Chr2		13519516	13519634	Chr2:10342	<i>Cubn</i> (-27651), <i>Tnfrsf1</i> (+25089)	N/A
Chr2		92011537	92011654	Chr2:103431	<i>Dgkz</i> (-61169), <i>Creb3</i> (+1+2906)	N/A
Chr2		92011953	92012068	Chr2:103436	<i>Dgkz</i> (-61584), <i>Creb3</i> (+1+12491)	N/A
Chr2		92012869	92012981	Chr2:103440	<i>Dgkz</i> (-62498), <i>Creb3</i> (+1+11577)	N/A
Chr2		92017069	92017179	Chr2:103446	<i>Dgkz</i> (-66697), <i>Creb3</i> (+1+7378)	N/A
Chr2		92024303	92024405	Chr2:103459	<i>Creb3</i> (+1+148)	N/A
Chr2		92024499	92024605	Chr2:103461	<i>Creb3</i> (+1+60)	N/A
Chr2		92029428	92029615	Chr2:103483	<i>Phf21a</i> (-192040), <i>Creb3</i> (+1+5020)	N/A
Chr2		92030716	92030868	Chr2:103487	<i>Phf21a</i> (-190770), <i>Creb3</i> (+1+6290)	N/A
Chr2		92036946	92037122	Chr2:103495	<i>Phf21a</i> (-184528), <i>Creb3</i> (+1+12532)	N/A
Chr2		92037492	92037603	Chr2:103499	<i>Phf21a</i> (-184014), <i>Creb3</i> (+1+13046)	N/A
Chr2		92047737	92047916	Chr2:103505	<i>Phf21a</i> (-177376), <i>Creb3</i> (+1+23325)	N/A
Chr2		92052209	92052338	Chr2:103510	<i>Phf21a</i> (-169288), <i>Creb3</i> (+1+27712)	N/A
Chr2		92052379	92052671	Chr2:103514	<i>Phf21a</i> (-169073), <i>Creb3</i> (+1+28023)	N/A
Chr2		92055567	92055695	Chr2:103523	<i>Phf21a</i> (-165931), <i>Creb3</i> (+1+31129)	N/A
Chr2		92055836	92056030	Chr2:103527	<i>Phf21a</i> (-165629), <i>Creb3</i> (+1+31431)	N/A
Chr2		92094242	92094361	Chr2:103559	<i>Phf21a</i> (-127260), <i>Creb3</i> (+1+69800)	N/A
Chr2		92111003	92111169	Chr2:103565	<i>Phf21a</i> (-110476), <i>Creb3</i> (+1+66584)	N/A
Chr2		92141076	92141232	Chr2:103578	<i>Creb3</i> (+1+11652), <i>Phf21a</i> (-80408)	N/A
Chr2		92164361	92164522	Chr2:103580	<i>Creb3</i> (+1+139940), <i>Phf21a</i> (-57120)	N/A
Chr2		92174319	92174457	Chr2:103599	<i>Creb3</i> (+1+149886), <i>Phf21a</i> (-47174)	N/A
Chr2		92182275	92182491	Chr2:103612	<i>Creb3</i> (+1+157881), <i>Phf21a</i> (-39179)	N/A
Chr2		92182738	92183037	Chr2:103615	<i>Creb3</i> (+1+158396), <i>Phf21a</i> (-38674)	N/A
Chr2		92185772	92185981	Chr2:103620	<i>Creb3</i> (+1+161225), <i>Phf21a</i> (-35835)	N/A
Chr2		92187158	92187415	Chr2:103633	<i>Creb3</i> (+1+16785), <i>Phf21a</i> (-34275)	N/A
Chr2		92188639	92188830	Chr2:103645	<i>Creb3</i> (+1+164233), <i>Phf21a</i> (-32827)	N/A
Chr2		92190680	92190930	Chr2:103658	<i>Creb3</i> (+1+166303), <i>Phf21a</i> (-30757)	N/A
Chr2		92190986	92191332	Chr2:103659	<i>Creb3</i> (+1+166657), <i>Phf21a</i> (-30403)	N/A
Chr2		92198001	92198440	Chr2:103681	<i>Creb3</i> (+1+173719), <i>Phf21a</i> (-23341)	N/A
Chr2		92198740	92199003	Chr2:103688	<i>Creb3</i> (+1+174370), <i>Phf21a</i> (-22690)	N/A
Chr2		92199526	92199730	Chr2:103694	<i>Creb3</i> (+1+175156), <i>Phf21a</i> (-21934)	N/A
Chr2		92204890	92205190	Chr2:103713	<i>Creb3</i> (+1+180538), <i>Phf21a</i> (-16522)	N/A
Chr2		92206396	92206631	Chr2:103726	<i>Creb3</i> (+1+182012), <i>Phf21a</i> (-15048)	N/A
Chr2		92214202	92214331	Chr2:103749	<i>Creb3</i> (+1+189765), <i>Phf21a</i> (-7295)	N/A
Chr2		92255635	92255842	Chr2:103805	<i>Phf21a</i> (+34177), <i>Large2</i> (+115318)	N/A
Chr2		92256898	92257234	Chr2:103816	<i>Phf21a</i> (+38504), <i>Large2</i> (+113991)	N/A
Chr2		92278294	92278454	Chr2:103860	<i>Phf21a</i> (+56812), <i>Large2</i> (+92683)	N/A
Chr2		92285846	92286033	Chr2:103872	<i>Phf21a</i> (+64378), <i>Large2</i> (+85117)	N/A
Chr2		92305398	92305703	Chr2:103913	<i>Large2</i> (+65506), <i>Phf21a</i> (+83989)	N/A
Chr2		92316907	92317201	Chr2:103959	<i>Large2</i> (+54003), <i>Phf21a</i> (+95492)	N/A
Chr2		92349650	92349810	Chr2:104007	<i>Large2</i> (+21327), <i>Phf21a</i> (+128168)	N/A
Chr2		92360455	92360665	Chr2:104028	<i>Large2</i> (+10347), <i>Phf21a</i> (+139148)	N/A
Chr2		13576105	13576342	Chr2:10422	<i>Vim</i>	

Chr2		92711312	92711461 Chr2.104552	Syt13(-203711), Csttf1(+111680)	N/A
Chr2		92726582	92726752 Chr2.104565	Syt13(-188431), Csttf1(+126960)	N/A
Chr2		13595923	13596041 Chr2.104568	Vim(+22030), Stb6a9(+197626)	N/A
Chr2		92805981	92806189 Chr2.104609	Syt13(-109013), Csttf1(+206378)	N/A
Chr2		92806719	92806823 Chr2.104617	Syt13(-108327), Csttf1(+207054)	N/A
Chr2		92844999	92845314 Chr2.104635	Syt13(-69941), Csttf1(+245450)	N/A
Chr2		92972774	92973061 Chr2.104780	Syt13(+57820), Prdm11(+72653)	N/A
Chr2		92986383	92986566 Chr2.104859	Prdm11(+59096), Syt13(+71377)	N/A
Chr2		92986538	92986624 Chr2.104868	Prdm11(+58840), Syt13(+71533)	N/A
Chr2		92989222	92989699 Chr2.104876	Prdm11(+56110), Syt13(+74363)	N/A
Chr2		93013999	93014163 Chr2.104904	Prdm11(+31490), Syt13(+98983)	N/A
Chr2		93018992	93019138 Chr2.104909	Prdm11(+26506), Syt13(+103967)	N/A
Chr2		93030103	93030211 Chr2.104912	Prdm11(+15414), Syt13(+115059)	N/A
Chr2		93032539	93032701 Chr2.104914	Prdm11(+12951), Syt13(+117522)	N/A
Chr2		93049003	93049169 Chr2.104931	Prdm11(-3515)	N/A
Chr2		93102134	93102236 Chr2.104949	Trp5311(-85363), Prdm11(-56614)	N/A
Chr2		93115270	93115373 Chr2.104952	Trp5311(-72226), Prdm11(-69751)	N/A
Chr2		93126165	93126265 Chr2.104957	Prdm11(-80644), Trp5311(-61333)	N/A
Chr2		93172097	93172207 Chr2.104964	Prdm11(-126581), Trp5311(-15396)	N/A
Chr2		93226852	93226979 Chr2.105015	Trp5311(+39368), Tspan18(+107571)	N/A
Chr2		93228663	93228804 Chr2.105022	Trp5311(+11186), Tspan18(+105753)	N/A
Chr2		93283920	93284044 Chr2.105060	Tspan18(+50505), Trp5311(+96434)	N/A
Chr2		93287394	93287624 Chr2.105063	Tspan18(+46978), Trp5311(+99961)	N/A
Chr2		93298863	93299001 Chr2.105088	Tspan18(+35555), Trp5311(+111384)	N/A
Chr2		93304217	93304379 Chr2.105072	Tspan18(+30180), Trp5311(+116749)	N/A
Chr2		93313886	93314022 Chr2.105076	Tspan18(-20533), Trp5311(+126406)	N/A
Chr2		93319441	93319545 Chr2.105085	Tspan18(+14904), Trp5311(+131945)	N/A
Chr2		93365188	93365360 Chr2.105110	Tspan18(-30787), Cd82(+97228)	N/A
Chr2		93368081	93368287 Chr2.105114	Tspan18(-33697), Cd82(+94318)	N/A
Chr2		93390521	93390632 Chr2.105125	Tspan18(-56090), Cd82(+71925)	N/A
Chr2		93489018	93489128 Chr2.105181	Gm10803(-71497), Cd82(-26569)	N/A
Chr2		93489153	93489285 Chr2.105183	Gm10803(-71349), Cd82(-26717)	N/A
Chr2		93490713	93490817 Chr2.105187	Gm10803(-69803), Cd82(-28263)	N/A
Chr2		93501374	93501616 Chr2.105194	Gm10803(-59073), Cd82(-38993)	N/A
Chr2		93522165	93522343 Chr2.105209	Cd82(-59752), Gm10803(-38314)	N/A
Chr2		93525536	93525764 Chr2.105212	Cd82(-63148), Gm10803(-34918)	N/A
Chr2		93532196	93532348 Chr2.105216	Cd82(-69770), Gm10803(-28296)	N/A
Chr2		93533335	93533439 Chr2.105220	Cd82(-70885), Gm10803(-27181)	N/A
Chr2		93537651	93537767 Chr2.105222	Cd82(-75207), Gm10803(-22859)	N/A
Chr2		93540529	93540654 Chr2.105232	Cd82(-78090), Gm10803(-19976)	N/A
Chr2		93562154	93562279 Chr2.105253	Alx4(-80167), Gm10803(+1649)	N/A
Chr2		93563995	93563826 Chr2.105263	Alx4(-78622), Gm10803(+3194)	N/A
Chr2		93569213	93569400 Chr2.105269	Alx4(-73077), Gm10803(+6739)	N/A
Chr2		93579524	93579721 Chr2.105275	Alx4(-62761), Gm10803(+19055)	N/A
Chr2		93582675	93582906 Chr2.105280	Alx4(-59593), Gm10803(+22223)	N/A
Chr2		93587543	93587680 Chr2.105284	Alx4(-54772), Gm10803(+27044)	N/A
Chr2		93592321	93592523 Chr2.105286	Alx4(-49962), Gm10803(+31854)	N/A
Chr2		93594104	93594313 Chr2.105293	Alx4(-48173), Gm10803(+33641)	N/A
Chr2		93597129	93597359 Chr2.105300	Alx4(-45140), Gm10803(+36676)	N/A
Chr2		93599492	93599617 Chr2.105307	Alx4(-42829), Gm10803(+38987)	N/A
Chr2		93611246	93611412 Chr2.105315	Alx4(-31058), Gm10803(+50761)	N/A
Chr2		93616112	93616325 Chr2.105322	Alx4(-26165), Gm10803(+55651)	N/A
Chr2		93616465	93616668 Chr2.105326	Alx4(-26817), Gm10803(+55999)	N/A
Chr2		93617694	93617971 Chr2.105333	Alx4(-24556), Gm10803(+67240)	N/A
Chr2		93618170	93618281 Chr2.105340	Alx4(-24158), Gm10803(+57658)	N/A
Chr2		93618697	93618962 Chr2.105343	Alx4(-23554), Gm10803(+58262)	N/A
Chr2		93619112	93619216 Chr2.105346	Alx4(-23220), Gm10803(+58596)	N/A
Chr2		93622334	93622492 Chr2.105351	Alx4(-19971), Gm10803(+61945)	N/A
Chr2		93625198	93625345 Chr2.105354	Alx4(-17112), Gm10803(+67704)	N/A
Chr2		93629554	93629638 Chr2.105358	Alx4(-12989), Gm10803(+68638)	N/A
Chr2		93631535	93631782 Chr2.105366	Alx4(-10725), Gm10803(+71091)	N/A
Chr2		93662593	93662763 Chr2.105383	Alx4(+20294), Ext2(+159890)	N/A
Chr2		93680782	93680993 Chr2.105425	Alx4(+38504), Ext2(+141680)	N/A
Chr2		93681319	93681535 Chr2.105428	Alx4(+36043), Ext2(+141141)	N/A
Chr2		93690307	93690600 Chr2.105437	Alx4(+48170), Ext2(+132014)	N/A
Chr2		93693351	93693480 Chr2.105442	Alx4(+51032), Ext2(+129152)	N/A
Chr2		93695225	93695335 Chr2.105446	Alx4(+52896), Ext2(+127288)	N/A
Chr2		93695513	93696622 Chr2.105454	Alx4(+54184), Ext2(+126000)	N/A
Chr2		93703442	93703696 Chr2.105471	Alx4(+61186), Ext2(+119998)	N/A
Chr2		93711549	93711679 Chr2.105482	Alx4(+69230), Ext2(+109594)	N/A
Chr2		93716964	93717089 Chr2.105499	Alx4(+74653), Ext2(+105531)	N/A
Chr2		93717530	93717633 Chr2.105505	Alx4(+75198), Ext2(+104986)	N/A
Chr2		93719932	93720307 Chr2.105511	Alx4(+77736), Ext2(+102448)	N/A
Chr2		93729656	93729879 Chr2.105517	Alx4(+87384), Ext2(+92800)	N/A
Chr2		93738738	93738984 Chr2.105540	Ext2(+83707), Alx4(+96477)	N/A
Chr2		93739198	93739399 Chr2.105544	Ext2(+85269), Alx4(+96915)	N/A
Chr2		93744974	93745177 Chr2.105567	Ext2(+77492), Alx4(+102692)	N/A
Chr2		93746093	93746389 Chr2.105570	Ext2(+76327), Alx4(+103857)	N/A
Chr2		93746438	93746582 Chr2.105573	Ext2(+76058), Alx4(+104126)	N/A
Chr2		93749732	93749963 Chr2.105577	Ext2(+72720), Alx4(+107464)	N/A
Chr2		93755127	93755265 Chr2.105583	Ext2(+67372), Alx4(+112812)	N/A
Chr2		93775629	93775949 Chr2.105601	Ext2(+46779), Alx4(+133405)	N/A
Chr2		93776079	93776294 Chr2.105607	Ext2(+46381), Alx4(+133803)	N/A
Chr2		93779168	93779320 Chr2.105613	Ext2(+43324), Alx4(+136860)	N/A
Chr2		93779361	93779466 Chr2.105616	Ext2(+43154), Alx4(+137030)	N/A
Chr2		93779810	93780070 Chr2.105621	Ext2(+42628), Alx4(+137556)	N/A
Chr2		93785219	93785438 Chr2.105631	Ext2(+37239), Alx4(+142945)	N/A
Chr2		93797323	93797480 Chr2.105643	Ext2(+25166), Alx4(+155018)	N/A
Chr2		93801114	93801349 Chr2.105653	Ext2(+21336), Alx4(+158848)	N/A
Chr2		9326776	9326884 Chr2.1057	Frm44a(+173958), Prpf18(+325256)	N/A
Chr2		93891697	93891829 Chr2.105794	Accs(-22606), Alkbh3(+118967)	N/A
Chr2		93955906	93955997 Chr2.105798	Accs(-86745), Alkbh3(+54828)	N/A
Chr2		93964718	93964852 Chr2.105806	Accs(-85638), Alkbh3(+6945)	N/A
Chr2		93992383	93992490 Chr2.105839	Accs(-123280), Alkbh3(+18293)	N/A
Chr2		94046588	94046704 Chr2.105914	Alkbh3(-35916), Hsd17b12(+111318)	N/A
Chr2		94122318	94123119 Chr2.106008	Alkbh3(-111989), Hsd17b12(+35245)	N/A
Chr2		94241351	94241476 Chr2.106170	Hsd17b12(-83450), Tlc17(+165275)	N/A
Chr2		94248999	94247044 Chr2.106216	Hsd17b12(-89086), Tlc17(+199717)	N/A
Chr2		94247378	94247483 Chr2.106219	Hsd17b12(-89467), Tlc17(+159259)	N/A
Chr2		94263314	94263425 Chr2.106257	Hsd17b12(-105406), Tlc17(+143319)	N/A
Chr2		94263740	94263909 Chr2.106258	Hsd17b12(-105861), Tlc17(+142864)	N/A
Chr2		94264311	94264664 Chr2.106263	Hsd17b12(-106524), Tlc17(+142201)	N/A
Chr2		94265320	94265602 Chr2.106270	Hsd17b12(-107497), Tlc17(+141228)	N/A
Chr2		94265924	94266140 Chr2.106277	Hsd17b12(-108068), Tlc17(+140657)	N/A
Chr2		94267720	94267842 Chr2.106287	Hsd17b12(-109817), Tlc17(+138908)	N/A
Chr2		94404971	94405102 Chr2.106396	Hsd17b12(-247073), Tlc17(+1652)	N/A
Chr2		95232440	95232566 Chr2.107019	Api5(-794367)	N/A
Chr2		95232615	95232790 Chr2.107021	Api5(-794567)	N/A
Chr2		95480566	95480700 Chr2.107106	Lrrc4c(-837538)	N/A
Chr2		4332944	4333135 Chr2.1074	Frm44a(-180158), Prpf18(+319046)	N/A
Chr2		96317706	96318109 Chr2.107589	Lrrc4c(-261)	N/A
Chr2		14164566	14164879 Chr2.10759	Tmem236(-9801), Stam(+90623)	N/A
Chr2		96319208	96319376 Chr2.107600	Lrrc4c(+1123)	N/A
Chr2		14199829	14199932 Chr2.10794	Mrc1(-29533), Tmem236(+25357)	N/A
Chr2		97468652	97468829 Chr2.108434	None	N/A
Chr2		97467699	97467928 Chr2.108444	None	N/A
Chr2		97478992	97479264 Chr2.108471	None	N/A
Chr2		99180196	99180448 Chr2.109130	Gm10800(-513021)	N/A
Chr2		100313008	100313111 Chr2.109491	None	N/A
Chr2		101021716	101021834 Chr2.109834	Rag2(-602943)	N/A
Chr2		101459112	101459245 Chr2.110120	Rag2(-165539)	N/A
Chr2		101598951	101599073 Chr2.110273	Rag2(-25706)	N/A
Chr2		101599720	101599904 Chr2.110281	Rag2(-24906)	N/A
Chr2		101600698	101601322 Chr2.110286	Rag2(-23708)	N/A
Chr2		4352457	4352566 Chr2.1103	Frm44a(-199640), Prpf18(+299574)	N/A
Chr2		101649361	101649463 Chr2.110484	Rag1(+39)	N/A
Chr2		101649549	101649682 Chr2.110486	Rag1(-115)	N/A
Chr2		101652282	101652444 Chr2.110494	Rag1(-2862)	N/A
Chr2		101679269	101679412 Chr2.110508	Traf6(+901)	N/A
Chr2		101756205	101756403 Chr2.110598	Prs1(+41403), Traf6(+77864)	N/A
Chr2		101769386	101769502 Chr2.110614	Prs1(+28263), Traf6(+91004)	N/A
Chr2		101781388	101781503 Chr2.110629	Prs1(+16261), Traf6(+103006)	N/A
Chr2		101822979	101823086 Chr2.110655	Comm9(-63220), Prs1(-25326)	N/A
Chr2		101827759	101827862 Chr2.110659	Comm9(-58442), Prs1(-30104)	N/A
Chr2		101830663	101830802 Chr2.110664	Comm9(-55520), Prs1(-33026)	N/A
Chr2		101883091	101883227 Chr2.110686	Comm9(-3094)	N/A
Chr2		101951616	101951780 Chr2.110729	Comm9(+55420), Ldlad3(+234712)	N/A
Chr2		101956227	101956507 Chr2.110749	Comm9(+70114), Ldlad3(+230018)	N/A

Chr2	101979361	101979523	Chr2.110789	Commd9(+93189),Ldlrad3(+206943)	N/A
Chr2	101999224	101999337	Chr2.110815	Commd9(+113028),Ldlrad3(+187104)	N/A
Chr2	102003020	102003121	Chr2.110825	Commd9(+116818),Ldlrad3(+183314)	N/A
Chr2	102008462	102008561	Chr2.110849	Commd9(+122259),Ldlrad3(+171673)	N/A
Chr2	102021878	102022129	Chr2.110864	Commd9(+135751),Ldlrad3(+164381)	N/A
Chr2	102038409	102038625	Chr2.110886	Ldlrad3(+147868),Commd9(+152264)	N/A
Chr2	102050227	102050395	Chr2.110894	Ldlrad3(+136074),Commd9(+164058)	N/A
Chr2	102048883	102095005	Chr2.110919	Ldlrad3(+914441),Commd9(+208691)	N/A
Chr2	102102444	102102146	Chr2.110925	Ldlrad3(+84290),Commd9(+215842)	N/A
Chr2	102118856	102119085	Chr2.110939	Ldlrad3(+67414),Commd9(+232718)	N/A
Chr2	102128765	102128879	Chr2.110962	Ldlrad3(+57563),Commd9(+242569)	N/A
Chr2	102134954	102135124	Chr2.110970	Ldlrad3(+51346),Commd9(+248786)	N/A
Chr2	102138020	102138279	Chr2.110980	Ldlrad3(+48235),Commd9(+251897)	N/A
Chr2	102138311	102138434	Chr2.110987	Ldlrad3(+48012),Commd9(+252120)	N/A
Chr2	102143037	102143222	Chr2.110993	Ldlrad3(+43233),Commd9(+256897)	N/A
Chr2	102166874	102167037	Chr2.111018	Ldlrad3(+19429),Commd9(+280703)	N/A
Chr2	102176417	102176534	Chr2.111027	Ldlrad3(+9909),Commd9(+290223)	N/A
Chr2	102185434	102185601	Chr2.111038	Ldlrad3(+867)	N/A
Chr2	102212341	102212491	Chr2.111081	Ldlrad3(-26031),Trim44(+188484)	N/A
Chr2	102226395	102226496	Chr2.111109	Ldlrad3(-42061),Trim44(+172454)	N/A
Chr2	102231990	102232136	Chr2.111111	Ldlrad3(-45678),Trim44(+168837)	N/A
Chr2	102294796	102295003	Chr2.111150	Ldlrad3(-108515),Trim44(+106000)	N/A
Chr2	14455227	14455425	Chr2.11121	Cacnb2(-148980),Slc39a12(+66928)	N/A
Chr2	102348249	102348400	Chr2.111242	Ldlrad3(-161940),Trim44(+52575)	N/A
Chr2	102383480	102383580	Chr2.111275	Ldlrad3(-197145),Trim44(+17370)	N/A
Chr2	102383813	102383916	Chr2.111278	Ldlrad3(-197480),Trim44(+17035)	N/A
Chr2	102424356	102424482	Chr2.111302	Trim44(-23519),Fxa1(+27373)	N/A
Chr2	102447749	102447957	Chr2.111356	Trim44(-46953),Fxa1(+3939)	N/A
Chr2	102448803	102448914	Chr2.111366	Trim44(-47959),Fxa1(+2933)	N/A
Chr2	102449379	102449613	Chr2.111371	Trim44(-48596),Fxa1(+2296)	N/A
Chr2	102449711	102449820	Chr2.111374	Ldlrad3(-48666),Fxa1(+2026)	N/A
Chr2	102468510	102468676	Chr2.111413	Pamr1(-61419),Fxa1(-16801)	N/A
Chr2	102536784	102536932	Chr2.111471	Fxa1(-85066),Pamr1(-13154)	N/A
Chr2	102549966	102550120	Chr2.111492	Pamr1(+31)	N/A
Chr2	102552278	102552491	Chr2.111497	Slc1a2(-106274),Pamr1(+2373)	N/A
Chr2	102599534	102599666	Chr2.111542	Slc1a2(-59057),Pamr1(+49590)	N/A
Chr2	102634330	102635330	Chr2.111680	Slc1a2(+4821),Cd44(+238145)	N/A
Chr2	14543439	14543568	Chr2.11170	Cacnb2(-60802),Slc39a12(+155106)	N/A
Chr2	102639362	102694127	Chr2.111713	Slc1a2(-35386),Cd44(+207580)	N/A
Chr2	102730877	102731070	Chr2.111733	Slc1a2(+72315),Cd44(+170651)	N/A
Chr2	102820361	102820483	Chr2.111928	Cd44(+81203),Slc1a2(+161763)	N/A
Chr2	102873369	102873591	Chr2.112045	Cd44(+28145),Slc1a2(+214821)	N/A
Chr2	102880574	102880727	Chr2.112057	Cd44(+20974),Slc1a2(+221965)	N/A
Chr2	10288465	102886605	Chr2.112068	Cd44(+13009),Slc1a2(+229876)	N/A
Chr2	102900277	102900417	Chr2.112092	Cd44(+1278),Slc1a2(+241688)	N/A
Chr2	102943806	102943927	Chr2.112116	Cd44(-42242),Pdhx(+129646)	N/A
Chr2	102987151	102987283	Chr2.112165	Cd44(-85592),Pdhx(+86296)	N/A
Chr2	103004947	103004765	Chr2.112185	Cd44(-103051),Pdhx(+69807)	N/A
Chr2	103045418	103045568	Chr2.112230	Cd44(-143868),Pdhx(+28020)	N/A
Chr2	103051939	103052067	Chr2.112237	Cd44(-150378),Pdhx(+21510)	N/A
Chr2	103111851	103112097	Chr2.112292	Apip(+38299),Ehf(+191304)	N/A
Chr2	103117193	103117477	Chr2.112299	Apip(+43660),Ehf(+185943)	N/A
Chr2	103144491	103144693	Chr2.112331	Apip(+70917),Ehf(+158686)	N/A
Chr2	103209015	103209174	Chr2.112371	Ehf(+93633),Apip(+135970)	N/A
Chr2	103209838	103209946	Chr2.112375	Ehf(+93386),Apip(+136217)	N/A
Chr2	14641216	14641355	Chr2.11238	Cacnb2(+36980),Nsun6(+407999)	N/A
Chr2	103283763	103283996	Chr2.112475	Ehf(+19398),Apip(+210205)	N/A
Chr2	103285697	103285805	Chr2.112481	Ehf(+17527),Apip(+212076)	N/A
Chr2	103283278	103283384	Chr2.112496	Ehf(+9947),Apip(+219656)	N/A
Chr2	103302598	103303116	Chr2.112521	Ehf(+281)	N/A
Chr2	103390277	103390448	Chr2.112610	Ehf(-87085),Elf5(-21325)	N/A
Chr2	103423930	103424208	Chr2.112651	Elf5(+12381),Cat(+61091)	N/A
Chr2	103576357	103576523	Chr2.112816	Abtb2(+10130),Nat10(+184830)	N/A
Chr2	14738972	14739197	Chr2.11282	Cacnb2(+134779),Nsun6(+310200)	N/A
Chr2	103577975	103578233	Chr2.112823	Abtb2(+11794),Nat10(+183166)	N/A
Chr2	103588817	103589038	Chr2.112851	Abtb2(+22618),Nat10(+172342)	N/A
Chr2	103589070	103589176	Chr2.112856	Abtb2(+22813),Nat10(+172147)	N/A
Chr2	103589391	103589645	Chr2.112857	Abtb2(+23208),Nat10(+171752)	N/A
Chr2	103591870	103591989	Chr2.112868	Abtb2(+25620),Nat10(+169340)	N/A
Chr2	103595995	103595249	Chr2.112874	Abtb2(+28662),Nat10(+166096)	N/A
Chr2	103600253	103600427	Chr2.112885	Abtb2(+34030),Nat10(+160930)	N/A
Chr2	103600503	103600618	Chr2.112890	Abtb2(+34251),Nat10(+160709)	N/A
Chr2	103631495	103631653	Chr2.112936	Abtb2(+65264),Nat10(+129696)	N/A
Chr2	103638100	103638209	Chr2.112949	Abtb2(+71845),Nat10(+123115)	N/A
Chr2	103639731	103640033	Chr2.112952	Abtb2(+73572),Nat10(+121388)	N/A
Chr2	103643811	103643957	Chr2.112961	Abtb2(+77574),Nat10(+117386)	N/A
Chr2	103648704	103648951	Chr2.112969	Abtb2(+82518),Nat10(+112442)	N/A
Chr2	103668356	103668532	Chr2.112984	Nat10(+92826),Abtb2(+102134)	N/A
Chr2	103676897	103677039	Chr2.112999	Nat10(+84302),Abtb2(+110658)	N/A
Chr2	103682518	103682657	Chr2.113024	Nat10(+78682),Abtb2(+116278)	N/A
Chr2	14740363	14740481	Chr2.11303	Cacnb2(+136116),Nsun6(+308863)	N/A
Chr2	103696958	103696908	Chr2.113049	Nat10(-65337),Abtb2(-129623)	N/A
Chr2	103720688	103720792	Chr2.113139	Nat10(+40530),Abtb2(+154430)	N/A
Chr2	103795871	103796027	Chr2.113303	Nat10(-34679),Caprin1(+1700)	N/A
Chr2	14763841	14764001	Chr2.11336	Cacnb2(+159615),Nsun6(+285364)	N/A
Chr2	103982676	103989623	Chr2.113364	Caprin1(-98751),Lmo2(-73823)	N/A
Chr2	103900468	103900698	Chr2.113369	Caprin1(-102934),Lmo2(-69940)	N/A
Chr2	103901556	103901738	Chr2.113375	Caprin1(-103998),Lmo2(-68576)	N/A
Chr2	103902944	103903214	Chr2.113379	Caprin1(-105430),Lmo2(-67144)	N/A
Chr2	103906281	103906494	Chr2.113389	Caprin1(-108739),Lmo2(-63835)	N/A
Chr2	103906672	103906815	Chr2.113394	Caprin1(-109095),Lmo2(-63479)	N/A
Chr2	103970055	103970190	Chr2.113475	Lmo2(-100)	N/A
Chr2	103971571	103971817	Chr2.113479	Fbxo3(-56027),Lmo2(+1471)	N/A
Chr2	14807825	14807930	Chr2.11368	Cacnb2(+203572),Nsun6(+241407)	N/A
Chr2	14823907	14824078	Chr2.11371	Cacnb2(+219687),Nsun6(+225292)	N/A
Chr2	104404512	104404622	Chr2.113996	D430041d05nik(+5767),A93001r2k2nik(+281798)	N/A
Chr2	104467279	104467498	Chr2.114074	D430041d05nik(-57055),Hpk3(+27057)	N/A
Chr2	104468835	104468835	Chr2.114082	D430041d05nik(-58247),Hpk3(+25865)	N/A
Chr2	104493361	104493464	Chr2.114097	D430041d05nik(-83079),Hpk3(+1033)	N/A
Chr2	104572714	104572991	Chr2.114121	Hpk3(-78407),Csf3(-17670)	N/A
Chr2	104581613	104581829	Chr2.114125	Hpk3(-87275),Csf3(-8802)	N/A
Chr2	104590436	104590635	Chr2.114139	Csf3(+13)	N/A
Chr2	14873679	14873951	Chr2.11418	Nsun6(+175470),Cacnb2(+269509)	N/A
Chr2	104814649	104814771	Chr2.114407	Depdc7(-71832),Qser1(+1986)	N/A
Chr2	104814888	104815018	Chr2.114408	Depdc7(-72075),Qser1(+1743)	N/A
Chr2	104815500	104815768	Chr2.114414	Depdc7(-72756),Qser1(+1062)	N/A
Chr2	104815916	104816041	Chr2.114417	Qser1(+717)	N/A
Chr2	104817436	104817555	Chr2.114419	Qser1(-800)	N/A
Chr2	104817769	104817966	Chr2.114421	Qser1(-1172)	N/A
Chr2	104818031	104818284	Chr2.114427	Qser1(-1462)	N/A
Chr2	105089647	105090081	Chr2.114707	Gm11060(-2154)	N/A
Chr2	105091132	105091284	Chr2.114714	Gm11060(-810)	N/A
Chr2	105100954	105101108	Chr2.114726	Wt1(-25498),Gm11060(+9013)	N/A
Chr2	105220987	105220886	Chr2.114979	Them7(-3537)	N/A
Chr2	105226127	105226293	Chr2.114990	Them7(-1890),Rcn1(+173109)	N/A
Chr2	105397847	105397988	Chr2.115240	Rcn1(+1401),Them7(+173598)	N/A
Chr2	105433206	105433361	Chr2.115280	Pax6(-242844),Rcn1(-33965)	N/A
Chr2	105482475	105482601	Chr2.115356	Pax6(-193590),Rcn1(-83219)	N/A
Chr2	105604769	105604974	Chr2.115462	Rcn1(-205553),Pax6(-71256)	N/A
Chr2	105669863	105667036	Chr2.115550	Rcn1(-267631),Pax6(-9178)	N/A
Chr2	105669838	105669058	Chr2.115555	Rcn1(-296670),Pax6(-71350)	N/A
Chr2	105669584	105669739	Chr2.115557	Rcn1(-270343),Pax6(-6466)	N/A
Chr2	105670305	105670474	Chr2.115564	Rcn1(-271071),Pax6(-5738)	N/A
Chr2	105671046	105671307	Chr2.115568	Pax6(-4951)	N/A
Chr2	105673299	105673426	Chr2.115575	Pax6(-2765)	N/A
Chr2	105674580	105674755	Chr2.115577	Pax6(-1460)	N/A
Chr2	105675296	105675589	Chr2.115579	Pax6(-685)	N/A
Chr2	105675708	105675847	Chr2.115581	Pax6(-350)	N/A
Chr2	105677026	105677289	Chr2.115588	Pax6(+1030),Elp4(+227406)	N/A
Chr2	105678759	105678911	Chr2.115593	Pax6(+2707),Elp4(+225729)	N/A
Chr2	105680219	105680322	Chr2.115598	Pax6(+4143),Elp4(+224293)	N/A
Chr2	105681414	105681672	Chr2.115603	Pax6(+5415),Elp4(+223021)	N/A
Chr2	105682164	105682555	Chr2.115607	Pax6(+6232),Elp4(+222204)	N/A
Chr2	105688079	105688234	Chr2.115624	Pax6(+12029),Elp4(+216407)	N/A
Chr2	4400469	4400583	Chr2.1158	Fmrd4a(+247654),Prpf18(+251560)	N/A
Chr2	15055229	15055375	Chr2.11587	Ar50(+20)	N/A
Chr2	105987436	105987436	Chr2.116039	Onp424(+16176),Imnp11(+82735)	N/A
Chr2	4402309	4402415	Chr2.1163	Fmrd4a(+248490),Prpf18(+249724)	N/A

Chr2	106194483	106194756	Chr2.116334	Mpped2(-498649),Dnajc24(-191071)	N/A
Chr2	106195229	106195622	Chr2.116341	Mpped2(-497843),Dnajc24(-191877)	N/A
Chr2	106358565	106358681	Chr2.116532	Dnajc24(-355074),Mpped2(-334846)	N/A
Chr2	106425304	106425204	Chr2.116665	Dnajc24(-421556),Mpped2(-388156)	N/A
Chr2	106425427	106425673	Chr2.116671	Dnajc24(-422001),Mpped2(-267719)	N/A
Chr2	106427440	106427645	Chr2.116675	Dnajc24(-423994),Mpped2(-265726)	N/A
Chr2	106454538	106454692	Chr2.116691	Dnajc24(-451066),Mpped2(-238654)	N/A
Chr2	106458137	106458238	Chr2.116697	Dnajc24(-454639),Mpped2(-235081)	N/A
Chr2	106460742	106460902	Chr2.116701	Dnajc24(-457273),Mpped2(-232447)	N/A
Chr2	106461991	106462224	Chr2.116710	Dnajc24(-458559),Mpped2(-231161)	N/A
Chr2	106462260	106462595	Chr2.116714	Dnajc24(-458879),Mpped2(-230841)	N/A
Chr2	106528128	106528283	Chr2.116775	Dnajc24(-524657),Mpped2(-165063)	N/A
Chr2	106538558	106538742	Chr2.116801	Dnajc24(-535101),Mpped2(-154619)	N/A
Chr2	106547194	106547297	Chr2.116811	Dnajc24(-543697),Mpped2(-146023)	N/A
Chr2	106577005	106577158	Chr2.116849	Dnajc24(-573533),Mpped2(-151618)	N/A
Chr2	106577310	106577411	Chr2.116852	Dnajc24(-573812),Mpped2(-115908)	N/A
Chr2	106577444	106577785	Chr2.116853	Dnajc24(-574066),Mpped2(-115654)	N/A
Chr2	106578182	106578350	Chr2.116857	Dnajc24(-574717),Mpped2(-115003)	N/A
Chr2	106580778	106581072	Chr2.116863	Dnajc24(-577376),Mpped2(-112344)	N/A
Chr2	106590764	106590452	Chr2.116881	Dnajc24(-591845),Mpped2(-97875)	N/A
Chr2	106595589	106595736	Chr2.116884	Dnajc24(-592114),Mpped2(-97606)	N/A
Chr2	106649925	106650095	Chr2.116936	Dnajc24(-646461),Mpped2(-43259)	N/A
Chr2	106650162	106650474	Chr2.116938	Dnajc24(-646769),Mpped2(-42951)	N/A
Chr2	106654771	106655177	Chr2.116952	Dnajc24(-651425),Mpped2(-38295)	N/A
Chr2	106674051	106674378	Chr2.116962	Dnajc24(-670665),Mpped2(-19058)	N/A
Chr2	106681542	106681893	Chr2.116970	Dnajc24(-678169),Mpped2(-11551)	N/A
Chr2	106683365	106683560	Chr2.116976	Dnajc24(-679914),Mpped2(-9806)	N/A
Chr2	106683659	106683768	Chr2.116978	Dnajc24(-680165),Mpped2(-9555)	N/A
Chr2	106683925	106684428	Chr2.116981	Dnajc24(-680628),Mpped2(-9092)	N/A
Chr2	106696046	106696394	Chr2.117015	Mpped2(+2951),Ar114ep(+278204)	N/A
Chr2	106696764	106696927	Chr2.117023	Mpped2(+3577),Ar114ep(+277578)	N/A
Chr2	106711021	106711230	Chr2.117071	Mpped2(+17857),Ar114ep(+263298)	N/A
Chr2	106711507	106711643	Chr2.117072	Mpped2(+18306),Ar114ep(+262849)	N/A
Chr2	106713157	106713490	Chr2.117074	Mpped2(+20055),Ar114ep(+261100)	N/A
Chr2	106720465	106720708	Chr2.117102	Mpped2(+27318),Ar114ep(+253837)	N/A
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Chr2	106722434	106722570	Chr2.117111	Mpped2(+29233),Ar114ep(+251922)	N/A
Chr2	106736028	106736265	Chr2.117124	Mpped2(+42878),Ar114ep(+238277)	N/A
Chr2	106743646	106743940	Chr2.117139	Mpped2(+50524),Ar114ep(+230631)	N/A
Chr2	106745096	106745282	Chr2.117147	Mpped2(+51920),Ar114ep(+229235)	N/A
Chr2	106754698	106754828	Chr2.117160	Mpped2(+61494),Ar114ep(+219661)	N/A
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Chr2	106774506	106774822	Chr2.117188	Mpped2(+81385),Ar114ep(+198760)	N/A
Chr2	106782475	106782631	Chr2.117196	Mpped2(+89284),Ar114ep(+191871)	N/A
Chr2	106788824	106789044	Chr2.117215	Mpped2(+95665),Ar114ep(+185490)	N/A
Chr2	106789225	106789530	Chr2.117219	Mpped2(+96109),Ar114ep(+185046)	N/A
Chr2	106789741	106790089	Chr2.117223	Mpped2(+96646),Ar114ep(+184509)	N/A
Chr2	106790551	106790846	Chr2.117235	Mpped2(+103430),Ar114ep(+177725)	N/A
Chr2	106797237	106797341	Chr2.117242	Mpped2(+104020),Ar114ep(+177135)	N/A
Chr2	106797518	106797681	Chr2.117244	Mpped2(+104331),Ar114ep(+176824)	N/A
Chr2	106797826	106798092	Chr2.117246	Mpped2(+104690),Ar114ep(+176465)	N/A
Chr2	106821931	106822086	Chr2.117277	Mpped2(+128740),Ar114ep(+152415)	N/A
Chr2	106822655	106822858	Chr2.117281	Mpped2(+129488),Ar114ep(+151667)	N/A
Chr2	106823295	106823400	Chr2.117284	Mpped2(+130074),Ar114ep(+151618)	N/A
Chr2	106829151	106829634	Chr2.117289	Mpped2(+136074),Ar114ep(+145081)	N/A
Chr2	106830086	106830192	Chr2.117299	Mpped2(+136870),Ar114ep(+144285)	N/A
Chr2	106833289	106833470	Chr2.117305	Mpped2(+140111),Ar114ep(+141044)	N/A
Chr2	106837486	106837728	Chr2.117318	Ar114ep(+136817),Mpped2(+144338)	N/A
Chr2	106846360	106846207	Chr2.117323	Ar114ep(+128275),Mpped2(+152880)	N/A
Chr2	106854754	106854957	Chr2.117340	Ar114ep(+119568),Mpped2(+161587)	N/A
Chr2	106856720	106856824	Chr2.117349	Ar114ep(+117652),Mpped2(+163503)	N/A
Chr2	106857914	106858061	Chr2.117350	Ar114ep(+116436),Mpped2(+164719)	N/A
Chr2	106858270	106858391	Chr2.117353	Ar114ep(+116093),Mpped2(+165062)	N/A
Chr2	106860773	106860671	Chr2.117379	Ar114ep(+108502),Mpped2(+1172653)	N/A
Chr2	106870960	106871090	Chr2.117400	Ar114ep(+103339),Mpped2(+117726)	N/A
Chr2	106889496	106889653	Chr2.117440	Ar114ep(+84744),Mpped2(+196411)	N/A
Chr2	106895577	106895976	Chr2.117450	Ar114ep(+78647),Mpped2(+202508)	N/A
Chr2	106911618	106911734	Chr2.117470	Ar114ep(+62748),Mpped2(+218407)	N/A
Chr2	107290972	107291357	Chr2.117707	Kcna4(+526)	N/A
Chr2	107304674	107304798	Chr2.117777	Kcna4(+14097)	N/A
Chr2	4407256	4407378	Chr2.1182	Pp1f18(+244769),Firm4a(+254445)	N/A
Chr2	108145889	108146007	Chr2.118238	Kcna4(+855309)	N/A
Chr2	108148605	108148953	Chr2.118250	Kcna4(+858140)	N/A
Chr2	108827594	108827888	Chr2.118714	Mett15(+450549)	N/A
Chr2	108828155	108828283	Chr2.118718	Mett15(+450071)	N/A
Chr2	4412634	4413068	Chr2.1189	Pp1f18(+239083),Firm4a(+260129)	N/A
Chr2	109130805	109131045	Chr2.118941	Mett15(+147365)	N/A
Chr2	109241938	109242299	Chr2.119002	Mett15(+36171)	N/A
Chr2	109503147	109503314	Chr2.119237	Bdnf(-171469),Kif18a(+222493)	N/A
Chr2	109510582	109510717	Chr2.119251	Bdnf(-164050),Kif18a(+229912)	N/A
Chr2	109579063	109579181	Chr2.119335	Bdnf(-95078),Kif18a(+296384)	N/A
Chr2	109678023	109678154	Chr2.119478	Lin7c(-12764),Bdnf(+3389)	N/A
Chr2	109678221	109678369	Chr2.119479	Lin7c(-212558),Bdnf(+33595)	N/A
Chr2	109678624	109678833	Chr2.119480	Lin7c(-212124),Bdnf(+4029)	N/A
Chr2	109692236	109692404	Chr2.119516	Lin7c(-198533),Bdnf(+17620)	N/A
Chr2	109692498	109692629	Chr2.119517	Lin7c(-198289),Bdnf(+17864)	N/A
Chr2	109692928	109693069	Chr2.119518	Lin7c(-197854),Bdnf(+18299)	N/A
Chr2	109696697	109696810	Chr2.119530	Lin7c(-194099),Bdnf(+22054)	N/A
Chr2	109697282	109697494	Chr2.119534	Lin7c(-193465),Bdnf(+22688)	N/A
Chr2	109722980	109723088	Chr2.119585	Lin7c(-167819),Bdnf(+48334)	N/A
Chr2	109848761	109848864	Chr2.119705	Lin7c(-42040),Bdnf(+174113)	N/A
Chr2	109917458	109917838	Chr2.119786	Lgr4(+1)	N/A
Chr2	109923897	109924029	Chr2.119796	Ccdc34(-96854),Lgr4(+3316)	N/A
Chr2	109921799	109921958	Chr2.119799	Ccdc34(-95938),Lgr4(+4232)	N/A
Chr2	109923228	109923327	Chr2.119800	Ccdc34(-94539),Lgr4(+5631)	N/A
Chr2	109928839	109929070	Chr2.119812	Ccdc34(-88862),Lgr4(+11308)	N/A
Chr2	109932424	109932798	Chr2.119818	Ccdc34(-85208),Lgr4(+14964)	N/A
Chr2	109936350	109936788	Chr2.119823	Ccdc34(-91243),Lgr4(+18927)	N/A
Chr2	109942220	109942372	Chr2.119826	Ccdc34(-75521),Lgr4(+24649)	N/A
Chr2	109943058	109943612	Chr2.119831	Ccdc34(-74482),Lgr4(+25688)	N/A
Chr2	109960207	109960540	Chr2.119843	Ccdc34(-57443),Lgr4(+42727)	N/A
Chr2	109960945	109961149	Chr2.119845	Ccdc34(-56770),Lgr4(+43400)	N/A
Chr2	109961178	109961284	Chr2.119850	Ccdc34(-56589),Lgr4(+43384)	N/A
Chr2	109970311	109970193	Chr2.119862	Ccdc34(-47715),Lgr4(+52455)	N/A
Chr2	109970956	109971165	Chr2.119868	Ccdc34(-46758),Lgr4(+53414)	N/A
Chr2	109989338	109989507	Chr2.119890	Ccdc34(-28394),Lgr4(+71776)	N/A
Chr2	110036366	110036627	Chr2.120032	Ccdc34(+18680),Bbox1(+269244)	N/A
Chr2	110069497	110069623	Chr2.120072	Ccdc34(+91743),Bbox1(+236181)	N/A
Chr2	110075190	110075366	Chr2.120082	Ccdc34(+57461),Bbox1(+236463)	N/A
Chr2	110077805	110077908	Chr2.120086	Ccdc34(+60049),Bbox1(+227884)	N/A
Chr2	110078014	110078118	Chr2.120087	Ccdc34(+60249),Bbox1(+227675)	N/A
Chr2	110085716	110085937	Chr2.120090	Ccdc34(+68010),Bbox1(+219914)	N/A
Chr2	110114229	110114348	Chr2.120105	Ccdc34(+96472),Bbox1(+191452)	N/A
Chr2	110114925	110114964	Chr2.120122	Ccdc34(+131633),Bbox1(+156291)	N/A
Chr2	110173212	110173316	Chr2.120137	Bbox1(+132477),Ccdc34(+155447)	N/A
Chr2	110180531	110180643	Chr2.120143	Bbox1(+125154),Ccdc34(+162770)	N/A
Chr2	110182422	110182754	Chr2.120146	Bbox1(+123153),Ccdc34(+164771)	N/A
Chr2	110186564	110186845	Chr2.120152	Bbox1(+119036),Ccdc34(+168888)	N/A
Chr2	110192400	110192616	Chr2.120156	Bbox1(+113232),Ccdc34(+174692)	N/A
Chr2	110192787	110192924	Chr2.120159	Bbox1(+112889),Ccdc34(+175039)	N/A
Chr2	110214334	110214668	Chr2.120179	Bbox1(+91291),Ccdc34(+196533)	N/A
Chr2	110214639	110214739	Chr2.120184	Bbox1(+91052),Ccdc34(+196872)	N/A
Chr2	110301937	110302251	Chr2.120228	Bbox1(+3647),Ccdc34(+284277)	N/A
Chr2	110313493	110313598	Chr2.120258	Bbox1(-17805),Fibin(+49447)	N/A
Chr2	110313896	110314002	Chr2.120260	Bbox1(-8208),Fibin(+49044)	N/A
Chr2	110320062	110320295	Chr2.120263	Bbox1(-14438),Fibin(+4816)	N/A
Chr2	110349961	110350071	Chr2.120279	Bbox1(-44275),Fibin(+12977)	N/A
Chr2	110353756	110353927	Chr2.120282	Bbox1(-48101),Fibin(+9151)	N/A
Chr2	110361309	110361434	Chr2.120291	Bbox1(-55631),Fibin(+1621)	N/A
Chr2	110363147	110363314	Chr2.120300	Fibin(-238)	N/A
Chr2	110362614	110362788	Chr2.120322	Slc12a1(-204597),Fibin(-29708)	N/A
Chr2	110411807	110411788	Chr2.120340	Slc12a1(-185600),Fibin(-48705)	N/A
Chr2	110486261	110486412	Chr2.120389	Fibin(-123344),Slc12a1(-110961)	N/A
Chr2	110486720	110487024	Chr2.120391	Fibin(-123879),Slc12a1(-110426)	N/A
Chr2	112265643	112265760	Chr2.121182	Slc12a6(-1117),Gm21985(-612)	N/A
Chr2	112266180	112266329	Chr2.121185	Slc12a6(-564),Gm21985(-59)	N/A
Chr2	112284471	112284585	Chr2.121203	Slc12a6(+17709),Emc4(+83499)	N/A
Chr2	112284947	112285090	Chr2.121209	Slc12a6(+18200),Emc4(+83008)	N/A

Chr2	112379757	112379954	Chr2.121351	Katnbl1(+645)	N/A
Chr2	112455669	112455860	Chr2.121398	Emc7(+768)	N/A
Chr2	16295894	16296041	Chr2.12207	Ptxdc2(-60338),Maird1(+253842)	N/A
Chr2	16356119	16356234	Chr2.12230	Ptxdc2(-127)	N/A
Chr2	113216863	113217013	Chr2.122358	Ry3(-186607),Tmco5b(-68794)	N/A
Chr2	16356723	16356828	Chr2.12236	Ptxdc2(+472)	N/A
Chr2	113217146	113217272	Chr2.122361	Ry3(-186878),Tmco5b(-68523)	N/A
Chr2	113376763	11337825	Chr2.122532	Fmn1(+69962),Grem1(+360902)	N/A
Chr2	113405205	113405339	Chr2.122540	Fmn1(+77500),Grem1(+3533849)	N/A
Chr2	113440345	113440524	Chr2.122571	Fmn1(+112653),Grem1(+318211)	N/A
Chr2	113440842	113440966	Chr2.122582	Fmn1(+113122),Grem1(+317742)	N/A
Chr2	113441362	113441469	Chr2.122588	Fmn1(+113634),Grem1(+317230)	N/A
Chr2	113442083	113442222	Chr2.122598	Fmn1(+114371),Grem1(+316493)	N/A
Chr2	113444722	113444904	Chr2.122611	Fmn1(+117031),Grem1(+313833)	N/A
Chr2	113469220	113469393	Chr2.122626	Fmn1(+138229),Grem1(+292639)	N/A
Chr2	4466263	4466415	Chr2.1227	Ppf18(+185747),Frm44a(+313467)	N/A
Chr2	113537917	113538385	Chr2.122701	Fmn1(+210369),Grem1(+220495)	N/A
Chr2	113538996	113539167	Chr2.122708	Fmn1(+211300),Grem1(+219564)	N/A
Chr2	113573271	113573448	Chr2.122738	Grem1(+185286),Fmn1(+245578)	N/A
Chr2	113575979	113576484	Chr2.122746	Grem1(+182414),Fmn1(+249450)	N/A
Chr2	113595590	113595714	Chr2.122780	Grem1(+162994),Fmn1(+267870)	N/A
Chr2	113595744	113595950	Chr2.122781	Grem1(+162799),Fmn1(+268065)	N/A
Chr2	113649459	113649629	Chr2.122864	Grem1(+109102),Fmn1(+321762)	N/A
Chr2	113654830	113654980	Chr2.122872	Grem1(+103741),Fmn1(+327123)	N/A
Chr2	113674743	113674949	Chr2.122894	Grem1(+83300),Fmn1(+347064)	N/A
Chr2	113674980	113675202	Chr2.122896	Grem1(+83555),Fmn1(+347309)	N/A
Chr2	16451434	16451591	Chr2.12299	Ptxdc2(+95209)	N/A
Chr2	113758614	113758748	Chr2.123048	Grem1(-35)	N/A
Chr2	113758803	113758984	Chr2.123058	Grem1(-248)	N/A
Chr2	113796773	113798945	Chr2.123120	Grem1(-40213),Seg5(+30262)	N/A
Chr2	113800005	113800738	Chr2.123126	Grem1(-42026),Seg5(+24449)	N/A
Chr2	113801047	113801177	Chr2.123138	Grem1(-42466),Seg5(+28009)	N/A
Chr2	113870001	113870212	Chr2.123217	Ahgap11a(-21451),Gjd2(+143512)	N/A
Chr2	113887390	113887559	Chr2.123221	Ahgap11a(-38819),Gjd2(+126144)	N/A
Chr2	113924173	113924347	Chr2.123233	Ahgap11a(-75604),Gjd2(+89359)	N/A
Chr2	16486104	16486250	Chr2.12333	Ptxdc2(+129873)	N/A
Chr2	114051291	114051438	Chr2.123408	Gjd2(-37745),Actc1(+1523)	N/A
Chr2	114052903	114053051	Chr2.123411	Actc1(-90)	N/A
Chr2	114057514	114057736	Chr2.123418	Actc1(-4738)	N/A
Chr2	114319660	114319795	Chr2.123818	Zfp770(-118259),Dph6(+335236)	N/A
Chr2	114440957	114441418	Chr2.124033	Zfp770(-239719),Dph6(+213776)	N/A
Chr2	114443927	114444052	Chr2.124048	Zfp770(-245257),Dph6(+210974)	N/A
Chr2	114609415	114609607	Chr2.124177	Zfp770(-408042),Dph6(+45453)	N/A
Chr2	114610047	114610515	Chr2.124182	Zfp770(-408812),Dph6(+44683)	N/A
Chr2	114611720	114611980	Chr2.124192	Zfp770(-410381),Dph6(+43114)	N/A
Chr2	114622022	114622439	Chr2.124220	Zfp770(-420762),Dph6(+32733)	N/A
Chr2	114622543	114622628	Chr2.124226	Zfp770(-421267),Dph6(+32228)	N/A
Chr2	114623431	114625135	Chr2.124240	Zfp770(-423269),Dph6(+30226)	N/A
Chr2	114734953	114735075	Chr2.124368	Bc052040(-846702),Dph6(-80050)	N/A
Chr2	114782381	114782869	Chr2.124454	Bc052040(-799091),Dph6(-127681)	N/A
Chr2	114784500	114784599	Chr2.124465	Bc052040(-797166),Dph6(-129586)	N/A
Chr2	114797056	114797493	Chr2.124477	Bc052040(-784441),Dph6(-142311)	N/A
Chr2	114797522	114797757	Chr2.124480	Bc052040(-784078),Dph6(-142676)	N/A
Chr2	114812220	114812407	Chr2.124515	Bc052040(-769397),Dph6(-157355)	N/A
Chr2	114812527	114812638	Chr2.124524	Bc052040(-769133),Dph6(-157619)	N/A
Chr2	114812691	114812799	Chr2.124527	Bc052040(-768971),Dph6(-157781)	N/A
Chr2	114835487	114836214	Chr2.124558	Bc052040(-745865),Dph6(-180887)	N/A
Chr2	114836682	114837199	Chr2.124565	Bc052040(-744779),Dph6(-181977)	N/A
Chr2	114837232	114837332	Chr2.124571	Bc052040(-744344),Dph6(-182318)	N/A
Chr2	114844312	114844415	Chr2.124602	Bc052040(-737352),Dph6(-189407)	N/A
Chr2	114853740	114853939	Chr2.124624	Bc052040(-727878),Dph6(-198876)	N/A
Chr2	114889984	114890120	Chr2.124683	Bc052040(-691664),Dph6(-235088)	N/A
Chr2	114923935	114924086	Chr2.124767	Bc052040(-657705),Dph6(-269047)	N/A
Chr2	114972196	114972348	Chr2.124838	Bc052040(-609444),Dph6(-317308)	N/A
Chr2	115042196	115042535	Chr2.124914	Bc052040(-539350),Dph6(-387426)	N/A
Chr2	115056193	115056294	Chr2.124931	Bc052040(-525472),Dph6(-401280)	N/A
Chr2	115068098	115068229	Chr2.124965	Bc052040(-513552),Dph6(-413200)	N/A
Chr2	115069710	115070271	Chr2.124977	Bc052040(-511725),Dph6(-415027)	N/A
Chr2	115090546	115090713	Chr2.125019	Bc052040(-491086),Dph6(-435666)	N/A
Chr2	115095163	115095328	Chr2.125031	Bc052040(-486470),Dph6(-440282)	N/A
Chr2	115120385	115120630	Chr2.125068	Dph6(-46544),Bc052040(-461206)	N/A
Chr2	115185041	115185169	Chr2.125152	Dph6(-530141),Bc052040(-396611)	N/A
Chr2	115213244	115213533	Chr2.125192	Dph6(-558425),Bc052040(-368327)	N/A
Chr2	115213577	115213991	Chr2.125196	Dph6(-558820),Bc052040(-367932)	N/A
Chr2	115220761	115220961	Chr2.125204	Dph6(-565897),Bc052040(-360855)	N/A
Chr2	115229026	115230352	Chr2.125219	Dph6(-615025),Bc052040(-351127)	N/A
Chr2	115230243	115230571	Chr2.125223	Dph6(-575443),Bc052040(-351309)	N/A
Chr2	115249894	115250704	Chr2.125243	Dph6(-595335),Bc052040(-331417)	N/A
Chr2	115250735	115250903	Chr2.125250	Dph6(-595855),Bc052040(-330897)	N/A
Chr2	115251035	115251179	Chr2.125252	Dph6(-596143),Bc052040(-330609)	N/A
Chr2	115276907	115277253	Chr2.125274	Dph6(-622116),Bc052040(-304638)	N/A
Chr2	115277536	115277820	Chr2.125271	Dph6(-622764),Bc052040(-303981)	N/A
Chr2	115309836	115310126	Chr2.125303	Dph6(-655017),Bc052040(-271735)	N/A
Chr2	115322538	115322797	Chr2.125325	Dph6(-667704),Bc052040(-259048)	N/A
Chr2	115326983	115327207	Chr2.125330	Dph6(-672131),Bc052040(-254621)	N/A
Chr2	115338312	115338513	Chr2.125338	Dph6(-683449),Bc052040(-243303)	N/A
Chr2	115348622	115347021	Chr2.125351	Dph6(-691958),Bc052040(-234794)	N/A
Chr2	115347182	115347805	Chr2.125360	Dph6(-692530),Bc052040(-234222)	N/A
Chr2	115384652	115385480	Chr2.125426	Dph6(-730102),Bc052040(-196650)	N/A
Chr2	16738313	16738417	Chr2.12543	Ptxdc2(+382061),Neb1(+992678)	N/A
Chr2	115386334	115386611	Chr2.125434	Dph6(-731509),Bc052040(-195243)	N/A
Chr2	115391439	115392408	Chr2.125439	Dph6(-736960),Bc052040(-189792)	N/A
Chr2	115394042	115394517	Chr2.125450	Dph6(-739316),Bc052040(-187438)	N/A
Chr2	115455286	115455386	Chr2.125552	Dph6(-800372),Bc052040(-126380)	N/A
Chr2	115455655	115456706	Chr2.125559	Dph6(-801672),Bc052040(-125080)	N/A
Chr2	115467751	115467942	Chr2.125587	Dph6(-812883),Bc052040(-113869)	N/A
Chr2	115467979	115468195	Chr2.125589	Dph6(-813123),Bc052040(-113629)	N/A
Chr2	115469391	115469500	Chr2.125602	Dph6(-814482),Bc052040(-112370)	N/A
Chr2	115483320	115483715	Chr2.125635	Dph6(-828554),Bc052040(-99198)	N/A
Chr2	115483778	115484328	Chr2.125639	Dph6(-829089),Bc052040(-97663)	N/A
Chr2	115512017	115512231	Chr2.125703	Dph6(-857160),Bc052040(-69592)	N/A
Chr2	115512972	115513228	Chr2.125719	Dph6(-858136),Bc052040(-68616)	N/A
Chr2	115513436	115513667	Chr2.125721	Dph6(-858538),Bc052040(-68214)	N/A
Chr2	115513756	115513983	Chr2.125723	Dph6(-858906),Bc052040(-67840)	N/A
Chr2	115514151	115514293	Chr2.125729	Dph6(-859258),Bc052040(-67494)	N/A
Chr2	115514829	115514971	Chr2.125733	Dph6(-859936),Bc052040(-66816)	N/A
Chr2	115515031	115515290	Chr2.125734	Dph6(-860197),Bc052040(-66555)	N/A
Chr2	115529776	115530081	Chr2.125777	Dph6(-874955),Bc052040(-51797)	N/A
Chr2	115542484	115542773	Chr2.125805	Dph6(-877859),Bc052040(-39087)	N/A
Chr2	115542971	115543173	Chr2.125807	Dph6(-888108),Bc052040(-38644)	N/A
Chr2	115579428	115579857	Chr2.125860	Bc052040(-2073)	N/A
Chr2	115630301	115630621	Chr2.125951	Bc052040(+48745),Meis2(+434586)	N/A
Chr2	115630804	115631173	Chr2.125958	Bc052040(+49273),Meis2(+434058)	N/A
Chr2	115642804	115643165	Chr2.125988	Bc052040(+61269),Meis2(+422062)	N/A
Chr2	115658849	115659278	Chr2.126013	Bc052040(+77347),Meis2(+405944)	N/A
Chr2	115659335	115659445	Chr2.126014	Bc052040(+77674),Meis2(+405657)	N/A
Chr2	115660753	115660918	Chr2.126033	Bc052040(+79120),Meis2(+404211)	N/A
Chr2	115694499	115694740	Chr2.126112	Bc052040(+112904),Meis2(+370427)	N/A
Chr2	115733326	115733521	Chr2.126212	Bc052040(+151708),Meis2(+331623)	N/A
Chr2	115774695	115774828	Chr2.126294	Bc052040(+193046),Meis2(+290265)	N/A
Chr2	115775938	115776094	Chr2.126309	Bc052040(+194300),Meis2(+298031)	N/A
Chr2	115813854	115814075	Chr2.126369	Bc052040(+232249),Meis2(+251082)	N/A
Chr2	115846571	115846687	Chr2.126402	Meis2(+218418),Bc052040(+264913)	N/A
Chr2	115856226	115856484	Chr2.126436	Meis2(+208692),Bc052040(+274639)	N/A
Chr2	115856643	115856897	Chr2.126438	Meis2(+208277),Bc052040(+275054)	N/A
Chr2	115857562	115857721	Chr2.126443	Meis2(+207405),Bc052040(+294231)	N/A
Chr2	115858053	115858183	Chr2.126449	Meis2(+206929),Bc052040(+276402)	N/A
Chr2	115858536	115858857	Chr2.126452	Meis2(+206350),Bc052040(+276981)	N/A
Chr2	115859014	115859165	Chr2.126455	Meis2(+205957),Bc052040(+277374)	N/A
Chr2	115859213	115859541	Chr2.126457	Meis2(+205670),Bc052040(+277661)	N/A
Chr2	115859674	115859846	Chr2.126460	Meis2(+205287),Bc052040(+278044)	N/A
Chr2	115860103	115860435	Chr2.126464	Meis2(+204778),Bc052040(+278553)	N/A
Chr2	115860813	115860943	Chr2.126467	Meis2(+204769),Bc052040(+279162)	N/A
Chr2	115869138	115869276	Chr2.126522	Meis2(+195840),Bc052040(+287491)	N/A
Chr2	115869309	115869743	Chr2.126523	Meis2(+195521),Bc052040(+287810)	N/A
Chr2	115872897	115873090	Chr2.126544	Meis2(+192053),Bc052040(+291278)	N/A
Chr2	115875789	115876534	Chr2.126559	Meis2(+188885),Bc052040(+294431)	N/A
Chr2	115879607	115879849	Chr2.126565	Meis2(+185289),Bc052040(+298042)	N/A

Chr2	115883593	115883723	Chr2	126577	Meis2(+181389),Bc052040(+301942)	N/A
Chr2	115883835	115884026	Chr2	126580	Meis2(+181116),Bc052040(+302215)	N/A
Chr2	115894905	115895015	Chr2	126613	Meis2(+189292),Bc052040(+314039)	N/A
Chr2	115897419	115897686	Chr2	126621	Meis2(+167504),Bc052040(+315827)	N/A
Chr2	115905341	115905785	Chr2	126650	Meis2(+159484),Bc052040(+323847)	N/A
Chr2	115916008	115916141	Chr2	126701	Meis2(+148972),Bc052040(+334359)	N/A
Chr2	115923467	115923655	Chr2	126737	Meis2(+141486),Bc052040(+341845)	N/A
Chr2	115924580	115925151	Chr2	126741	Meis2(+140181),Bc052040(+343150)	N/A
Chr2	115938319	115939464	Chr2	126771	Meis2(+126655),Bc052040(+356676)	N/A
Chr2	115941994	115942281	Chr2	126777	Meis2(+122908),Bc052040(+360422)	N/A
Chr2	115948154	115948336	Chr2	126791	Meis2(+116802),Bc052040(+366529)	N/A
Chr2	115957786	115958012	Chr2	126801	Meis2(+107148),Bc052040(+376183)	N/A
Chr2	115963577	115963783	Chr2	126836	Meis2(+101367),Bc052040(+381964)	N/A
Chr2	115976519	115976881	Chr2	126855	Meis2(+88347),Bc052040(+394984)	N/A
Chr2	115978883	115979013	Chr2	126859	Meis2(+86099),Bc052040(+397232)	N/A
Chr2	115979803	115980038	Chr2	126863	Meis2(+65126),Bc052040(+398209)	N/A
Chr2	115981184	115981297	Chr2	126873	Meis2(+83806),Bc052040(+399525)	N/A
Chr2	115993762	115993980	Chr2	126901	Meis2(+71176),Bc052040(+412155)	N/A
Chr2	115994226	115994428	Chr2	126904	Meis2(+70720),Bc052040(+412611)	N/A
Chr2	115994623	115994752	Chr2	126909	Meis2(+70359),Bc052040(+412972)	N/A
Chr2	116001344	116001612	Chr2	126935	Meis2(+63699),Bc052040(+419752)	N/A
Chr2	116001788	116001963	Chr2	126938	Meis2(+63171),Bc052040(+420160)	N/A
Chr2	116002467	116002792	Chr2	126942	Meis2(+62417),Bc052040(+420914)	N/A
Chr2	116008891	116009157	Chr2	126956	Meis2(+56023),Bc052040(+427308)	N/A
Chr2	116009260	116009404	Chr2	126957	Meis2(+55715),Bc052040(+427618)	N/A
Chr2	116009553	116009679	Chr2	126959	Meis2(+55431),Bc052040(+427902)	N/A
Chr2	116009747	116009925	Chr2	126961	Meis2(+55211),Bc052040(+428120)	N/A
Chr2	116010709	116010899	Chr2	126966	Meis2(+54243),Bc052040(+429088)	N/A
Chr2	116019183	116019484	Chr2	126988	Meis2(+45713),Bc052040(+437618)	N/A
Chr2	116019557	116020329	Chr2	126989	Meis2(+45104),Bc052040(+438227)	N/A
Chr2	116020532	116020848	Chr2	126986	Meis2(+44309),Bc052040(+439022)	N/A
Chr2	116021180	116021371	Chr2	127001	Meis2(+43771),Bc052040(+439560)	N/A
Chr2	116028233	116028390	Chr2	127021	Meis2(+36735),Bc052040(+446596)	N/A
Chr2	116046075	116046204	Chr2	127063	Meis2(+18907),Bc052040(+464424)	N/A
Chr2	116046690	116046842	Chr2	127067	Meis2(+18281),Bc052040(+465050)	N/A
Chr2	116047083	116047211	Chr2	127072	Meis2(+17900),Bc052040(+465431)	N/A
Chr2	116047411	116047718	Chr2	127075	Meis2(+17482),Bc052040(+465849)	N/A
Chr2	116049883	116050114	Chr2	127087	Meis2(+15048),Bc052040(+468283)	N/A
Chr2	116052290	116052662	Chr2	127100	Meis2(+12571),Bc052040(+470760)	N/A
Chr2	116052693	116052828	Chr2	127102	Meis2(+12286),Bc052040(+471045)	N/A
Chr2	116055824	116056253	Chr2	127123	Meis2(+9008),Bc052040(+474323)	N/A
Chr2	116056536	116056636	Chr2	127125	Meis2(+84589),Bc052040(+474872)	N/A
Chr2	116056893	116056922	Chr2	127126	Meis2(+82399),Bc052040(+475092)	N/A
Chr2	116057838	116058170	Chr2	127133	Meis2(+7043),Bc052040(+476288)	N/A
Chr2	116058847	116059088	Chr2	127138	Meis2(+6079),Bc052040(+477252)	N/A
Chr2	116060113	116060255	Chr2	127147	Meis2(+4863),Bc052040(+478468)	N/A
Chr2	116060328	116060432	Chr2	127148	Meis2(+4667),Bc052040(+478664)	N/A
Chr2	116061138	116061349	Chr2	127153	Meis2(+3803),Bc052040(+479358)	N/A
Chr2	116062182	116062355	Chr2	127159	Meis2(+2778),Bc052040(+480553)	N/A
Chr2	116062521	116062677	Chr2	127164	Meis2(+2448),Bc052040(+480883)	N/A
Chr2	116063819	116064205	Chr2	127172	Meis2(+1035),Bc052040(+482296)	N/A
Chr2	116064586	116064937	Chr2	127180	Meis2(+285)	N/A
Chr2	116065192	116065306	Chr2	127185	Meis2(-204)	N/A
Chr2	116065620	116065774	Chr2	127188	Meis2(-650)	N/A
Chr2	116066998	116067189	Chr2	127191	Meis2(-2047)	N/A
Chr2	116067738	116067972	Chr2	127199	Meis2(-2808)	N/A
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Chr2	116070462	116070586	Chr2	127210	Tmco5(-808194),Meis2(-5477)	N/A
Chr2	116071149	116071341	Chr2	127213	Tmco5(-807463),Meis2(-6198)	N/A
Chr2	116073127	116073615	Chr2	127222	Tmco5(-805337),Meis2(-6834)	N/A
Chr2	116075107	116075409	Chr2	127237	Tmco5(-803450),Meis2(-10211)	N/A
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Chr2	116083653	116083947	Chr2	127258	Tmco5(-782293),Meis2(-31368)	N/A
Chr2	116104023	116104165	Chr2	127276	Tmco5(-774614),Meis2(-39047)	N/A
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Chr2	116402836	116403054	Chr2	127633	Tmco5(-475763),Meis2(-337898)	N/A
Chr2	116710328	116710751	Chr2	127972	Meis2(-645493),Tmco5(-168168)	N/A
Chr2	116734838	116735678	Chr2	128038	Meis2(-671461),Tmco5(-142200)	N/A
Chr2	116762256	116762356	Chr2	128076	Meis2(-697259),Tmco5(-116402)	N/A
Chr2	116789110	116789373	Chr2	128136	Meis2(-724195),Tmco5(-89466)	N/A
Chr2	116813288	116813592	Chr2	128171	Meis2(-748393),Tmco5(-65268)	N/A
Chr2	116813669	116813867	Chr2	128175	Meis2(-748721),Tmco5(-64940)	N/A
Chr2	116814371	116814371	Chr2	128188	Meis2(-749245),Tmco5(-64416)	N/A
Chr2	116818670	116819250	Chr2	128221	Meis2(-753913),Tmco5(-59748)	N/A
Chr2	116819366	116819558	Chr2	128230	Meis2(-754415),Tmco5(-59246)	N/A
Chr2	116824021	116824197	Chr2	128266	Meis2(-759062),Tmco5(-54599)	N/A
Chr2	116838776	116838981	Chr2	128297	Meis2(-773832),Tmco5(-39829)	N/A
Chr2	116852926	116853031	Chr2	128324	Meis2(-787632),Tmco5(-25729)	N/A
Chr2	116872256	116877442	Chr2	128332	Tmco5(-1359)	N/A
Chr2	116942503	116942617	Chr2	128332	Spred1(-178814),Tmco5(+63852)	N/A
Chr2	116972025	116972363	Chr2	128396	Spred1(-149180),Tmco5(+93486)	N/A
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Chr2	116975003	116975901	Chr2	128419	Spred1(-145622),Tmco5(+97049)	N/A
Chr2	116976093	116976198	Chr2	128425	Spred1(-145228),Tmco5(+97438)	N/A
Chr2	116979981	116980092	Chr2	128431	Spred1(-141337),Tmco5(+101329)	N/A
Chr2	116990239	116990413	Chr2	128446	Spred1(-131048),Tmco5(+111618)	N/A
Chr2	116991545	116991701	Chr2	128449	Spred1(-129751),Tmco5(+112915)	N/A
Chr2	117010117	117010218	Chr2	128486	Spred1(-111206),Tmco5(+131460)	N/A
Chr2	117017970	117018084	Chr2	128492	Spred1(-103347),Tmco5(+138159)	N/A
Chr2	117018332	117018469	Chr2	128504	Spred1(-102973),Tmco5(+139693)	N/A
Chr2	117018513	117018700	Chr2	128506	Spred1(-102767),Tmco5(+139899)	N/A
Chr2	117019156	117019589	Chr2	128511	Spred1(-102001),Tmco5(+140665)	N/A
Chr2	117086449	117086782	Chr2	128567	Spred1(-347769),Tmco5(+207898)	N/A
Chr2	117109431	117109574	Chr2	128602	Spred1(-11871),Tmco5(+230795)	N/A
Chr2	117113851	117114258	Chr2	128605	Spred1(-7319),Tmco5(+235347)	N/A
Chr2	117119954	117120265	Chr2	128612	Spred1(-1264)	N/A
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Chr2	117122845	117122996	Chr2	128626	Fam98b(-126818),Spred1(+1547)	N/A
Chr2	117123118	117123311	Chr2	128630	Fam98b(-126534),Spred1(+1841)	N/A
Chr2	117178386	117178185	Chr2	128646	Fam98b(-71603),Spred1(+56762)	N/A
Chr2	117214830	117215221	Chr2	128691	Fam98b(-34713),Spred1(+93652)	N/A
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Chr2	117228885	117229053	Chr2	128700	Fam98b(-20770),Spred1(+107595)	N/A
Chr2	117386182	117386389	Chr2	128837	Tbhs1(-728600),Rasgrp1(-43275)	N/A
Chr2	117455880	117456014	Chr2	128897	Tbhs1(-655929),Rasgrp1(-112946)	N/A
Chr2	117480257	117480442	Chr2	128935	Tbhs1(-631526),Rasgrp1(-137349)	N/A
Chr2	117512345	117512781	Chr2	128982	Tbhs1(-599313),Rasgrp1(-169562)	N/A
Chr2	117543555	117543658	Chr2	129028	Tbhs1(-568269),Rasgrp1(-200606)	N/A
Chr2	117571116	117571297	Chr2	129060	Tbhs1(-540669),Rasgrp1(-228206)	N/A
Chr2	117614835	117614959	Chr2	129124	Tbhs1(-498797),Rasgrp1(-271896)	N/A
Chr2	117614987	117615334	Chr2	129127	Tbhs1(-496710),Rasgrp1(-272189)	N/A
Chr2	117619851	117620027	Chr2	129133	Tbhs1(-491837),Rasgrp1(-276938)	N/A
Chr2	117666570	117666989	Chr2	129189	Tbhs1(-445090),Rasgrp1(-323779)	N/A
Chr2	4542364	4542464	Chr2	1292	Prpf18(+109672),Fmrd44a(+389542)	N/A
Chr2	117732031	117732156	Chr2	129268	Rasgrp1(-389093),Tbhs1(-379782)	N/A
Chr2	117781005	117781184	Chr2	129304	Rasgrp1(-438094),Tbhs1(-330781)	N/A
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Chr2	117866815	117866930	Chr2	129368	Rasgrp1(-523872),Tbhs1(-245003)	N/A
Chr2	117886811	117886988	Chr2	129398	Rasgrp1(-543899),Tbhs1(-224976)	N/A
Chr2	4542548	4542658	Chr2	1294	Prpf18(+109483),Fmrd44a(+389731)	N/A
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Chr2	117999778	117999904	Chr2	129544	Rasgrp1(-656840),Tbhs1(-112035)	N/A
Chr2	118008010	118008197	Chr2	129559	Rasgrp1(-665103),Tbhs1(-103772)	N/A
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Chr2	118039591	118039915	Chr2	129597	Rasgrp1(-696652),Tbhs1(-72223)	N/A
Chr2	118045461	118045683	Chr2	129623	Rasgrp1(-721621),Tbhs1(-47256)	N/A
Chr2	118085399	118085580	Chr2	129649	Rasgrp1(-742489),Tbhs1(-26386)	N/A
Chr2	118110755	118110859	Chr2	129685	Tbhs1(-1069)	N/A
Chr2	118110893	118111138	Chr2	129687	Tbhs1(-860)	N/A
Chr2	118114030	118114191	Chr2	129713	Tbhs1(-12235),Fap1(+142855)	N/A
Chr2	118125037	118125176	Chr2	129805	Tbhs1(+13231),F	

Chr2	118150220	118150418	Chr2:129843	<i>Thbs1(+38443),Fsp1(+106647)</i>	N/A
Chr2	118160798	118160098	Chr2:129862	<i>Thbs1(+49022),Fsp1(+96068)</i>	N/A
Chr2	118176392	118176573	Chr2:129886	<i>Thbs1(+64607),Fsp1(+80483)</i>	N/A
Chr2	118177803	118178702	Chr2:129893	<i>Thbs1(+67777),Fsp1(+77213)</i>	N/A
Chr2	118203480	118203661	Chr2:129922	<i>Fsp1(+53395),Thbs1(+91695)</i>	N/A
Chr2	118203812	118204263	Chr2:129924	<i>Fsp1(+52928),Thbs1(+92162)</i>	N/A
Chr2	118225630	118225807	Chr2:129954	<i>Fsp1(+31247),Thbs1(+113843)</i>	N/A
Chr2	118446271	118446482	Chr2:130200	<i>Srp14(+33334),Efrak4(+57759)</i>	N/A
Chr2	118460291	118460391	Chr2:130265	<i>Srp14(+10630),Bmf(+58346)</i>	N/A
Chr2	118490749	118490930	Chr2:130275	<i>Srp14(+20129),Bmf(+48471)</i>	N/A
Chr2	118510477	118510709	Chr2:130280	<i>Srp14(+30882),Bmf(+39094)</i>	N/A
Chr2	118511514	118511656	Chr2:130284	<i>Srp14(+31874),Bmf(+38102)</i>	N/A
Chr2	118512095	118512235	Chr2:130285	<i>Srp14(+32454),Bmf(+37522)</i>	N/A
Chr2	118519867	118519999	Chr2:130290	<i>Srp14(+40222),Bmf(+29794)</i>	N/A
Chr2	118520032	118520272	Chr2:130293	<i>Srp14(+40441),Bmf(+29335)</i>	N/A
Chr2	118522003	118522132	Chr2:130298	<i>Srp14(+42357),Bmf(+27619)</i>	N/A
Chr2	118526090	118526201	Chr2:130300	<i>Srp14(+46435),Bmf(+23541)</i>	N/A
Chr2	118531588	118531699	Chr2:130320	<i>Srp14(+51933),Bmf(+18043)</i>	N/A
Chr2	118531990	118532095	Chr2:130323	<i>Srp14(+52332),Bmf(+17644)</i>	N/A
Chr2	118540893	118541065	Chr2:130352	<i>Srp14(+61268),Bmf(+8708)</i>	N/A
Chr2	118544408	118544515	Chr2:130359	<i>Srp14(+64751),Bmf(+5228)</i>	N/A
Chr2	118547545	118547713	Chr2:130373	<i>Srp14(+67918),Bmf(+2058)</i>	N/A
Chr2	118547878	118548006	Chr2:130376	<i>Srp14(+68231),Bmf(+1745)</i>	N/A
Chr2	118548508	118548660	Chr2:130381	<i>Srp14(+68873),Bmf(+1103)</i>	N/A
Chr2	118549657	118549840	Chr2:130390	<i>Bmf(-62)</i>	N/A
Chr2	118554111	118554581	Chr2:130397	<i>Bmf(-4809)</i>	N/A
Chr2	118663154	118663368	Chr2:130484	<i>Pak6(-42)</i>	N/A
Chr2	118663810	118663922	Chr2:130492	<i>Pak6(+563)</i>	N/A
Chr2	118664576	118664760	Chr2:130497	<i>Pak6(+1365),Ankr63(+39295)</i>	N/A
Chr2	118696663	118696852	Chr2:130564	<i>Ankr63(+7205),Pak6(+33455)</i>	N/A
Chr2	118701052	118701321	Chr2:130579	<i>Ankr63(+2770),Pak6(+37894)</i>	N/A
Chr2	118748906	118747203	Chr2:130739	<i>Plcb2(-18617),Cdc9b(+15605)</i>	N/A
Chr2	118749450	118749678	Chr2:130756	<i>Plcb2(-21126),Cdc9b(+13097)</i>	N/A
Chr2	118750133	118750316	Chr2:130761	<i>Plcb2(-21787),Cdc9b(+12436)</i>	N/A
Chr2	118752548	118752738	Chr2:130769	<i>Plcb2(-24205),Cdc9b(+10018)</i>	N/A
Chr2	118756244	118756365	Chr2:130775	<i>Plcb2(-27867),Cdc9b(+6356)</i>	N/A
Chr2	118761950	118762082	Chr2:130810	<i>Cdc9b(+645)</i>	N/A
Chr2	118775997	118776121	Chr2:130823	<i>Diap2(-3663)</i>	N/A
Chr2	118897320	118897419	Chr2:131048	<i>Bahd1(-4083)</i>	N/A
Chr2	118900055	118900247	Chr2:131061	<i>Bahd1(-1302)</i>	N/A
Chr2	118900289	118900518	Chr2:131064	<i>Bahd1(-1049)</i>	N/A
Chr2	118900555	118900674	Chr2:131066	<i>Bahd1(-688)</i>	N/A
Chr2	118902619	118902813	Chr2:131070	<i>Chst14(-23781),Bahd1(+1263)</i>	N/A
Chr2	118905248	118905381	Chr2:131079	<i>Chst14(-21182),Bahd1(+3862)</i>	N/A
Chr2	17514804	17515060	Chr2:131111	<i>Neb(+21611)</i>	N/A
Chr2	118996355	118996465	Chr2:131218	<i>Cdc32(+32983),Chst14(+69913)</i>	N/A
Chr2	4559655	4559817	Chr2:13131	<i>Pp1f18(+92350),Fmd4a(+40684)</i>	N/A
Chr2	119135227	119135334	Chr2:131399	<i>Rmos3(-21753),Rad51(+22474)</i>	N/A
Chr2	119173584	119173685	Chr2:131458	<i>Gm14137(-674)</i>	N/A
Chr2	119174299	119174516	Chr2:131465	<i>Gm14137(-101)</i>	N/A
Chr2	119196679	119196794	Chr2:131508	<i>Zfyve19(-11897),Gm14137(+22228)</i>	N/A
Chr2	17539411	17539527	Chr2:13162	<i>Neb(+191574)</i>	N/A
Chr2	17539559	17539686	Chr2:13164	<i>Neb(+191420)</i>	N/A
Chr2	119263032	119263353	Chr2:131644	<i>Rhov(+8079),Spint1(+25640)</i>	N/A
Chr2	119269306	119269458	Chr2:131659	<i>Rhov(+1890),Spint1(+31829)</i>	N/A
Chr2	119299773	119300293	Chr2:131768	<i>DiI4(-25751),Vps18(+11291)</i>	N/A
Chr2	119300788	119301084	Chr2:131776	<i>DiI4(-24848),Vps18(+12194)</i>	N/A
Chr2	119301243	119301545	Chr2:131778	<i>DiI4(-24390),Vps18(+12652)</i>	N/A
Chr2	119303061	119303230	Chr2:131781	<i>DiI4(-22638),Vps18(+14404)</i>	N/A
Chr2	119303578	119303772	Chr2:131785	<i>DiI4(-22108),Vps18(+1493)</i>	N/A
Chr2	119304869	119305026	Chr2:131788	<i>DiI4(-20836),Vps18(+16206)</i>	N/A
Chr2	119305997	119306115	Chr2:131792	<i>DiI4(-19728),Vps18(+17314)</i>	N/A
Chr2	119311574	119311844	Chr2:131798	<i>DiI4(-14075),Vps18(+22967)</i>	N/A
Chr2	119313915	119314205	Chr2:131812	<i>DiI4(-11724),Vps18(+25318)</i>	N/A
Chr2	119314333	119314542	Chr2:131817	<i>DiI4(-11346),Vps18(+25968)</i>	N/A
Chr2	119314899	119315287	Chr2:131823	<i>DiI4(-10691),Vps18(+26351)</i>	N/A
Chr2	119320652	119320823	Chr2:131832	<i>DiI4(-5046),Vps18(+31996)</i>	N/A
Chr2	119322230	119322364	Chr2:131839	<i>DiI4(-3487)</i>	N/A
Chr2	119322516	119322776	Chr2:131841	<i>DiI4(-3138)</i>	N/A
Chr2	119324035	119324254	Chr2:131844	<i>DiI4(-1639)</i>	N/A
Chr2	119325666	119325837	Chr2:131860	<i>DiI4(-32)</i>	N/A
Chr2	119327233	119327522	Chr2:131880	<i>Chac1(-23851),DiI4(+1594)</i>	N/A
Chr2	119329186	119329324	Chr2:131899	<i>Chac1(-21974),DiI4(+3471)</i>	N/A
Chr2	119334652	119334847	Chr2:131945	<i>Chac1(-16479),DiI4(+8966)</i>	N/A
Chr2	119334895	119335096	Chr2:131947	<i>Chac1(-16234),DiI4(+9211)</i>	N/A
Chr2	119335574	119336801	Chr2:131961	<i>Chac1(-14541),DiI4(+10904)</i>	N/A
Chr2	119337672	119337773	Chr2:131964	<i>Chac1(-13506),DiI4(+11939)</i>	N/A
Chr2	119350985	119351099	Chr2:131973	<i>Chac1(-187)</i>	N/A
Chr2	119407944	119408088	Chr2:132066	<i>Chac1(+56787),Ino80(+69671)</i>	N/A
Chr2	119408519	119408693	Chr2:132073	<i>Chac1(+57377),Ino80(+69081)</i>	N/A
Chr2	119411841	119412019	Chr2:132082	<i>Chac1(+60701),Ino80(+65757)</i>	N/A
Chr2	119476871	119476782	Chr2:132144	<i>Ino80(+960)</i>	N/A
Chr2	119477009	119477157	Chr2:132148	<i>Ino80(+604)</i>	N/A
Chr2	119477267	119477381	Chr2:132152	<i>Ino80(+363)</i>	N/A
Chr2	119477613	119477746	Chr2:132155	<i>Ino80(+7)</i>	N/A
Chr2	119477790	119478074	Chr2:132156	<i>Ino80(-245)</i>	N/A
Chr2	119512874	119513094	Chr2:132158	<i>Ino80(-35347),Exd1(+34593)</i>	N/A
Chr2	119516973	119517128	Chr2:132162	<i>Ino80(-39364),Exd1(+30576)</i>	N/A
Chr2	119743232	119743372	Chr2:132429	<i>ItpkA(+965)</i>	N/A
Chr2	119744657	119744798	Chr2:132432	<i>ItpkA(+2391),Ltk(+15703)</i>	N/A
Chr2	119775853	119775965	Chr2:132618	<i>Ltk(-15478),Rrap1(+11595)</i>	N/A
Chr2	119797263	119797352	Chr2:132650	<i>Tyro3(-2106)</i>	N/A
Chr2	119798611	119798718	Chr2:132654	<i>Tyro3(-949)</i>	N/A
Chr2	119800945	119801106	Chr2:132661	<i>Mga(-96202),Tyro3(+1512)</i>	N/A
Chr2	119817109	119817335	Chr2:132735	<i>Mga(-80006),Tyro3(+17708)</i>	N/A
Chr2	119872446	119872601	Chr2:132756	<i>Mga(-24704),Tyro3(+73010)</i>	N/A
Chr2	119873037	119873159	Chr2:132763	<i>Mga(-24130),Tyro3(+73584)</i>	N/A
Chr2	119873204	119873359	Chr2:132766	<i>Mga(-23949),Tyro3(+73768)</i>	N/A
Chr2	119896937	119897040	Chr2:132778	<i>Mga(-239)</i>	N/A
Chr2	119897081	119897702	Chr2:132780	<i>Mga(+164)</i>	N/A
Chr2	119897861	119897998	Chr2:132789	<i>Mga(+702)</i>	N/A
Chr2	17650608	17650722	Chr2:13293	<i>Neb(+80378)</i>	N/A
Chr2	119972387	119972531	Chr2:132973	<i>Mapkbp1(-240)</i>	N/A
Chr2	119978176	119978308	Chr2:132988	<i>Pla2g4b(-55191),Mapkbp1(+5543)</i>	N/A
Chr2	119978684	119978859	Chr2:132991	<i>Pla2g4b(-54661),Mapkbp1(+6073)</i>	N/A
Chr2	119989227	119989358	Chr2:133000	<i>Pla2g4b(-44140),Mapkbp1(+16594)</i>	N/A
Chr2	119995809	119995913	Chr2:133010	<i>Pla2g4b(-37572),Mapkbp1(+23162)</i>	N/A
Chr2	120001357	120001469	Chr2:133021	<i>Pla2g4b(-32020),Mapkbp1(+28714)</i>	N/A
Chr2	17669145	17669452	Chr2:13307	<i>Neb(+61744)</i>	N/A
Chr2	4569168	4569271	Chr2:1331	<i>Pp1f18(+82866),Fmd4a(+416348)</i>	N/A
Chr2	17670140	17670307	Chr2:13310	<i>Neb(+60819)</i>	N/A
Chr2	120025479	120025601	Chr2:133129	<i>Pla2g4b(-7893),Mapkbp1(+52841)</i>	N/A
Chr2	17683472	17683586	Chr2:13325	<i>Neb(+47514)</i>	N/A
Chr2	120047921	120048020	Chr2:133301	<i>Sptbn5(+9526),Pla2g4b(+14538)</i>	N/A
Chr2	120048261	120048472	Chr2:133303	<i>Sptbn5(+9130),Pla2g4b(+4934)</i>	N/A
Chr2	120048613	120048815	Chr2:133314	<i>Sptbn5(+8783),Pla2g4b(+15281)</i>	N/A
Chr2	120050345	120050485	Chr2:133336	<i>Sptbn5(+7082),Pla2g4b(+16982)</i>	N/A
Chr2	120050692	120050836	Chr2:133347	<i>Sptbn5(+6733),Pla2g4b(+17331)</i>	N/A
Chr2	120051522	120051677	Chr2:133353	<i>Sptbn5(+5897),Pla2g4b(+18167)</i>	N/A
Chr2	17696135	17696235	Chr2:13338	<i>Neb(+34858)</i>	N/A
Chr2	120059499	120059635	Chr2:133402	<i>Sptbn5(-1949)</i>	N/A
Chr2	120060750	120060860	Chr2:133413	<i>Sptbn5(-3308)</i>	N/A
Chr2	120065944	120066066	Chr2:133458	<i>Sptbn5(-8508),Ehd4(+88601)</i>	N/A
Chr2	17702585	17702688	Chr2:13346	<i>Neb(+28406)</i>	N/A
Chr2	120066854	120067073	Chr2:133478	<i>Sptbn5(-9467),Ehd4(+87642)</i>	N/A
Chr2	120068640	120068751	Chr2:133497	<i>Sptbn5(-11199),Ehd4(+85910)</i>	N/A
Chr2	120079344	120079492	Chr2:133559	<i>Sptbn5(-21921),Ehd4(+75188)</i>	N/A
Chr2	120079530	120079683	Chr2:133564	<i>Sptbn5(-22110),Ehd4(+74999)</i>	N/A
Chr2	120079732	120079985	Chr2:133567	<i>Sptbn5(-22362),Ehd4(+74747)</i>	N/A
Chr2	17706172	17706298	Chr2:13357	<i>Neb(+24808)</i>	N/A
Chr2	120080779	120081018	Chr2:133575	<i>Sptbn5(-23402),Ehd4(+73707)</i>	N/A
Chr2	120085290	120085409	Chr2:133591	<i>Sptbn5(-27653),Ehd4(+69256)</i>	N/A
Chr2	120100131	120100294	Chr2:133625	<i>Sptbn5(-42716),Ehd4(+54393)</i>	N/A
Chr2	120153308	120153459	Chr2:133687	<i>Sptbn5(-95887),Ehd4(+1222)</i>	N/A
Chr2	120154589	120154742	Chr2:133694	<i>Ehd4(-60)</i>	N/A
Chr2	17759353	17759463	Chr2:13409	<i>Neb(-28365),Ezafb1(+237538)</i>	N/A
Chr2	120442494	120442626	Chr2:134192	<i>Capn3(-21019),Garc(+37392)</i>	N/A
Chr2	120476980	120477237	Chr2:134253	<i>Capn3(+13530),Zfp106(+86698)</i>	N/A

Chr2	120539795	120540173	Chr2.134462	Zfp106(+23823),Capn3(+76405)	N/A
Chr2	120604593	120604724	Chr2.134528	Haus2(-4724),Lrc57(+4696)	N/A
Chr2	17837892	17838153	Chr2.13454	Neb1(-107030),H2afb1(+158873)	N/A
Chr2	120643847	120644187	Chr2.134591	Star9(-14783),Ccm1(+87500)	N/A
Chr2	17839812	17839914	Chr2.13465	Neb1(-108820),H2afb1(+157083)	N/A
Chr2	17841512	17841776	Chr2.13471	Neb1(-110601),H2afb1(+155302)	N/A
Chr2	4584030	4584164	Chr2.1348	Pp1f18(+67899),Frm4a(+431225)	N/A
Chr2	17860720	17860836	Chr2.13490	Neb1(-129735),H2afb1(+136168)	N/A
Chr2	120850342	120850697	Chr2.134945	Tbk2(-64)	N/A
Chr2	17861034	17861288	Chr2.13496	Neb1(-130118),H2afb1(+135785)	N/A
Chr2	120861390	120861540	Chr2.134963	Tbk2(-10861),Ubr1(+109250)	N/A
Chr2	17861410	17861716	Chr2.13502	Neb1(-130520),H2afb1(+135383)	N/A
Chr2	120970653	120970759	Chr2.135091	Ubr1(+9)	N/A
Chr2	17881384	17881505	Chr2.13511	Neb1(-150402),H2afb1(+115501)	N/A
Chr2	17839274	17939816	Chr2.13543	Neb1(-208402),H2afb1(+157501)	N/A
Chr2	121116495	121116631	Chr2.135472	Ada(-23935),Tgm7(-5768)	N/A
Chr2	17959049	17959169	Chr2.13552	Neb1(-228066),H2afb1(+37837)	N/A
Chr2	17972123	17972246	Chr2.13558	Neb1(-241142),H2afb1(+24761)	N/A
Chr2	121227965	121228190	Chr2.135717	Trp53bp1(+43329),Tubgcp4(+56863)	N/A
Chr2	121271109	121271208	Chr2.135762	Trp53bp1(+248)	N/A
Chr2	121271487	121271623	Chr2.135767	Trp53bp1(-148)	N/A
Chr2	121294151	121294377	Chr2.135801	Map1a(+4664),Ppip5k1(+56753)	N/A
Chr2	121295445	121295550	Chr2.135810	Map1a(+5898),Ppip5k1(+55519)	N/A
Chr2	121298215	121298383	Chr2.135819	Map1a(+8699),Ppip5k1(+52718)	N/A
Chr2	121308813	121309109	Chr2.135943	Map1a(+19361),Ppip5k1(+42056)	N/A
Chr2	121309178	121309469	Chr2.135949	Map1a(+19724),Ppip5k1(+141693)	N/A
Chr2	121323018	121323156	Chr2.135991	Ppip5k1(+27930),Map1a(+33487)	N/A
Chr2	121323203	121323461	Chr2.135993	Ppip5k1(+27685),Map1a(+33732)	N/A
Chr2	18027623	18027900	Chr2.13600	H2afb1(-30816),A930004d18nk(+9975)	N/A
Chr2	18028862	180290024	Chr2.13601	H2afb1(-31997),A930004d18nk(+8794)	N/A
Chr2	18029054	18029312	Chr2.13602	H2afb1(-32238),A930004d18nk(+8553)	N/A
Chr2	18029379	18029787	Chr2.13604	H2afb1(-32627),A930004d18nk(+8164)	N/A
Chr2	121355330	121355468	Chr2.136095	Ppip5k1(-4382),Ckmt1(-3211)	N/A
Chr2	18030555	18030952	Chr2.13611	H2afb1(-33808),A930004d18nk(+6983)	N/A
Chr2	18032459	18032651	Chr2.13622	H2afb1(-35609),A930004d18nk(+5182)	N/A
Chr2	18034287	18034464	Chr2.13627	H2afb1(-37300),A930004d18nk(+3291)	N/A
Chr2	18034644	18034948	Chr2.13630	H2afb1(-37850),A930004d18nk(+2941)	N/A
Chr2	121449073	121449208	Chr2.136312	Elk3(-4863),Hypk(-4149),Seaf2(-54)	N/A
Chr2	121450201	121450702	Chr2.136325	Hypk(-2838)	N/A
Chr2	121451324	121451610	Chr2.136334	Hypk(-1823)	N/A
Chr2	18036827	18036977	Chr2.13645	A930004d18nk(+835)	N/A
Chr2	18038670	18038835	Chr2.13654	A930004d18nk(-1016)	N/A
Chr2	121586032	121586256	Chr2.136542	Wdr76(-59361),Frm5(+240943)	N/A
Chr2	18038982	18039101	Chr2.13657	A930004d18nk(-1305)	N/A
Chr2	121583222	121583417	Chr2.136570	Wdr76(+76537),Frm5(+223767)	N/A
Chr2	121587943	121588263	Chr2.136587	Wdr76(+81320),Frm5(+218984)	N/A
Chr2	18040099	18040350	Chr2.13659	A930004d18nk(-2488)	N/A
Chr2	121590518	12159168	Chr2.136596	Wdr76(-88331),Frm5(+211973)	N/A
Chr2	121602596	121602714	Chr2.136612	Wdr76(-95867),Frm5(+204437)	N/A
Chr2	121610194	121610298	Chr2.136623	Wdr76(+103463),Frm5(+196841)	N/A
Chr2	121612171	121612419	Chr2.136631	Wdr76(+105512),Frm5(+194792)	N/A
Chr2	121621547	121621921	Chr2.136651	Wdr76(+114951),Frm5(+185353)	N/A
Chr2	18041396	18041622	Chr2.13666	A930004d18nk(-3772)	N/A
Chr2	121644313	121644423	Chr2.136682	Wdr76(-137585),Frm5(+162719)	N/A
Chr2	18042323	18042483	Chr2.13669	A930004d18nk(-4666)	N/A
Chr2	121660579	121660707	Chr2.136695	Frm5(+146444),Wdr76(+153860)	N/A
Chr2	18042675	18043464	Chr2.13672	A930004d18nk(-5333),Skida1(+5981)	N/A
Chr2	18043670	18043871	Chr2.13679	A930004d18nk(-6034),Skida1(+5280)	N/A
Chr2	18043801	18044137	Chr2.13680	A930004d18nk(-6282),Skida1(+5032)	N/A
Chr2	121718857	121718685	Chr2.136820	Frm5(+18466),Wdr76(+281638)	N/A
Chr2	18044172	18044659	Chr2.13683	A930004d18nk(-6679),Skida1(+4635)	N/A
Chr2	18045073	18045412	Chr2.13685	A930004d18nk(-7506),Skida1(+3808)	N/A
Chr2	121805885	121806039	Chr2.136861	Frm5(+1125),Wdr76(+299179)	N/A
Chr2	121955976	121956150	Chr2.137002	Mageb3(-703),Ctbp2(+162)	N/A
Chr2	121956366	1219565840	Chr2.137005	Mageb3(-1243),Ctbp2(+1402)	N/A
Chr2	121957302	121957403	Chr2.137015	Mageb3(-1993),Ctbp2(+1352)	N/A
Chr2	18048596	18049068	Chr2.13702	Skida1(+219)	N/A
Chr2	18049134	18049624	Chr2.13704	Skida1(-328)	N/A
Chr2	18049669	18049801	Chr2.13707	Skida1(-684)	N/A
Chr2	18049830	18049864	Chr2.13708	Skida1(-841)	N/A
Chr2	18050003	18050192	Chr2.13710	Skida1(-1047)	N/A
Chr2	18050365	18051120	Chr2.13711	Mil110(-4494),Skida1(-1692)	N/A
Chr2	18051690	18052129	Chr2.13716	Mil110(-3327),Skida1(-2859)	N/A
Chr2	18052524	18052783	Chr2.13718	Skida1(-3603),Mil110(-2583)	N/A
Chr2	18053319	18053791	Chr2.13719	Skida1(-4504),Mil110(-1682)	N/A
Chr2	18053893	18054096	Chr2.13722	Skida1(-4944),Mil110(-1242)	N/A
Chr2	18055074	18055454	Chr2.13736	Mil110(+27)	N/A
Chr2	18056222	18056326	Chr2.13744	Mil110(+1037),Dnajc1(+336556)	N/A
Chr2	18056494	18056607	Chr2.13747	Mil110(+1314),Dnajc1(+336279)	N/A
Chr2	18058354	18058575	Chr2.13754	Mil110(+3228),Dnajc1(+334365)	N/A
Chr2	18058807	18058975	Chr2.13759	Mil110(+3445),Dnajc1(+334148)	N/A
Chr2	18059204	18059754	Chr2.13763	Mil110(+4242),Dnajc1(+333351)	N/A
Chr2	18061773	18061882	Chr2.13784	Mil110(+6591),Dnajc1(+331002)	N/A
Chr2	18062743	18062857	Chr2.13788	Mil110(+7563),Dnajc1(+330030)	N/A
Chr2	122345682	122345786	Chr2.137907	Shf(+23184),Duox1(+30062)	N/A
Chr2	18063967	18064171	Chr2.13792	Mil110(+8852),Dnajc1(+328781)	N/A
Chr2	122350285	122352194	Chr2.137929	Shf(-18778),Duox1(+36468)	N/A
Chr2	122354509	122354674	Chr2.137934	Shf(+14326),Duox1(+38920)	N/A
Chr2	122366235	122366339	Chr2.137958	Shf(+2631),Duox1(+50615)	N/A
Chr2	122368638	122368737	Chr2.137968	Shf(+230)	N/A
Chr2	122369762	122369878	Chr2.137973	Shf(-902)	N/A
Chr2	122630724	122630930	Chr2.138139	Gatm(-19524),Aa467197(-7023)	N/A
Chr2	122631267	122631683	Chr2.138154	Gatm(-20172),Aa467197(-6375)	N/A
Chr2	122825587	122825703	Chr2.138338	Spo(+43646)	N/A
Chr2	18195803	18196082	Chr2.13849	Mil110(+140706),Dnajc1(+196887)	N/A
Chr2	18196213	18196356	Chr2.13850	Mil110(+141048),Dnajc1(+196545)	N/A
Chr2	18196905	18197266	Chr2.13853	Mil110(+141849),Dnajc1(+195744)	N/A
Chr2	18197513	18198034	Chr2.13859	Mil110(+142537),Dnajc1(+195056)	N/A
Chr2	123813948	123814057	Chr2.139030	Sema6d(-796570)	N/A
Chr2	123833751	123833993	Chr2.139035	Sema6d(-776701)	N/A
Chr2	18218369	18218517	Chr2.13906	Mil110(+163206),Dnajc1(+174387)	N/A
Chr2	124090573	124090674	Chr2.139104	Sema6d(-519949)	N/A
Chr2	124101499	124101803	Chr2.139138	Sema6d(-508922)	N/A
Chr2	124118575	124118697	Chr2.139166	Sema6d(-491937)	N/A
Chr2	124118964	124119141	Chr2.139167	Sema6d(-491520)	N/A
Chr2	124162409	124162611	Chr2.139205	Sema6d(-448063)	N/A
Chr2	124172221	124172373	Chr2.139225	Sema6d(-438276)	N/A
Chr2	18228724	18229088	Chr2.13927	Dnajc1(+163934),Mil110(+173659)	N/A
Chr2	18229310	18229516	Chr2.13930	Dnajc1(+163477),Mil110(+174176)	N/A
Chr2	124235440	124235805	Chr2.139334	Sema6d(-374550)	N/A
Chr2	124240651	124240884	Chr2.139356	Sema6d(-369905)	N/A
Chr2	124244776	124244979	Chr2.139362	Sema6d(-365695)	N/A
Chr2	124298289	124298698	Chr2.139419	Sema6d(-312079)	N/A
Chr2	124302129	124302334	Chr2.139425	Sema6d(-308341)	N/A
Chr2	124309798	124309930	Chr2.139512	Sema6d(-240709)	N/A
Chr2	124370140	124370333	Chr2.139517	Sema6d(-240336)	N/A
Chr2	124401795	124401907	Chr2.139586	Sema6d(-208722)	N/A
Chr2	124404028	124404228	Chr2.139591	Sema6d(-206445)	N/A
Chr2	124404414	124404776	Chr2.139594	Sema6d(-205978)	N/A
Chr2	124416818	124416983	Chr2.139627	Sema6d(-193672)	N/A
Chr2	124435636	124435757	Chr2.139694	Sema6d(-174876)	N/A
Chr2	124435809	124436013	Chr2.139696	Sema6d(-174662)	N/A
Chr2	124461633	124461858	Chr2.139732	Sema6d(-148827)	N/A
Chr2	124467116	124467325	Chr2.139744	Sema6d(-143352)	N/A
Chr2	124473649	124473853	Chr2.139764	Sema6d(-136822)	N/A
Chr2	12449438	124494672	Chr2.139795	Sema6d(-120018)	N/A
Chr2	124550419	124550595	Chr2.139881	Sema6d(-60069)	N/A
Chr2	124599611	124599747	Chr2.139951	Sema6d(-10894)	N/A
Chr2	124602807	124602981	Chr2.139962	Sema6d(-7679)	N/A
Chr2	124608709	124608871	Chr2.139977	Sema6d(-1783)	N/A
Chr2	124609325	124609614	Chr2.139983	Sema6d(-1103)	N/A
Chr2	124610813	124611193	Chr2.139995	Sema6d(+30)	N/A
Chr2	18314574	18314794	Chr2.14000	Dnajc1(+78146),Mil110(+259447)	N/A
Chr2	124611810	124612050	Chr2.140002	Sic24a5(-456194),Sema6d(+1357)	N/A
Chr2	124612715	124612979	Chr2.140013	Sic24a5(-455277),Sema6d(+2274)	N/A
Chr2	124613730	124614044	Chr2.140022	Sic24a5(-454237),Sema6d(+3314)	N/A
Chr2	124615498	124615731	Chr2.140026	Sic24a5(-452598),Sema6d(+5045)	N/A
Chr2	18315019	18315225	Chr2.14003	Dnajc1(+77709),Mil110(+25885)	N/A

Chr2	124642369	124642468	Chr2.140070	<i>Slc24a5(-425705),Sema6d(+31846)</i>	N/A
Chr2	124651013	124651217	Chr2.140076	<i>Slc24a5(-417009),Sema6d(+40542)</i>	N/A
Chr2	124741063	124741190	Chr2.140304	<i>Slc24a5(-326997),Sema6d(+130554)</i>	N/A
Chr2	124741774	124741903	Chr2.140307	<i>Slc24a5(-326355),Sema6d(+131266)</i>	N/A
Chr2	124772157	124772303	Chr2.140350	<i>Slc24a5(-295894),Sema6d(+161657)</i>	N/A
Chr2	124772439	124772582	Chr2.140357	<i>Slc24a5(-295613),Sema6d(+161938)</i>	N/A
Chr2	124852012	124852300	Chr2.140450	<i>Slc24a5(-215968),Sema6d(+241583)</i>	N/A
Chr2	124928172	124928282	Chr2.140516	<i>Slc24a5(-139897),Sema6d(+317654)</i>	N/A
Chr2	124930005	124931034	Chr2.140525	<i>Slc24a5(-137154),Sema6d(+320397)</i>	N/A
Chr2	124948968	124949130	Chr2.140545	<i>Slc24a5(-119078),Sema6d(+338478)</i>	N/A
Chr2	124953028	124953150	Chr2.140558	<i>Slc24a5(-115035),Sema6d(+342516)</i>	N/A
Chr2	124971870	124972176	Chr2.140570	<i>Slc24a5(-96101),Sema6d(+361450)</i>	N/A
Chr2	124972354	124972503	Chr2.140574	<i>Slc24a5(-95695),Sema6d(+361856)</i>	N/A
Chr2	18442001	184442215	Chr2.140600	<i>Comm3(-230276),Dnajc1(-49278)</i>	N/A
Chr2	125033011	125033246	Chr2.140664	<i>Slc24a5(-34995),Sema6d(+422556)</i>	N/A
Chr2	125136640	125136744	Chr2.140793	<i>Cttn2(0)</i>	N/A
Chr2	125136958	125137106	Chr2.140795	<i>Cttn2(+340)</i>	N/A
Chr2	125212176	125212424	Chr2.140987	<i>Dut(-34890),Slc12a1(+59700)</i>	N/A
Chr2	125253530	125253682	Chr2.141064	<i>Gm9913(-251493),Dut(+6406)</i>	N/A
Chr2	125263360	125263497	Chr2.141073	<i>Gm9913(-241860),Dut(+163239)</i>	N/A
Chr2	125263866	125264083	Chr2.141079	<i>Gm9913(-241114),Dut(+16785)</i>	N/A
Chr2	125275591	125275794	Chr2.141087	<i>Gm9913(-229396),Dut(+28503)</i>	N/A
Chr2	125299151	125299260	Chr2.141129	<i>Gm9913(-205893),Dut(+52016)</i>	N/A
Chr2	125302505	125302636	Chr2.141153	<i>Gm9913(-202518),Dut(+55381)</i>	N/A
Chr2	125302704	125303016	Chr2.141157	<i>Gm9913(-202229),Dut(+55670)</i>	N/A
Chr2	125323393	125323626	Chr2.141256	<i>Gm9913(-181579),Dut(+76320)</i>	N/A
Chr2	125355335	125355454	Chr2.141307	<i>Gm9913(-149694),Dut(+108205)</i>	N/A
Chr2	125356376	125356543	Chr2.141403	<i>Gm9913(-148629),Dut(+109270)</i>	N/A
Chr2	125368612	125368851	Chr2.141464	<i>Gm9913(-136357),Dut(+121542)</i>	N/A
Chr2	125411937	125412245	Chr2.141574	<i>Gm9913(-92998),Dut(+164901)</i>	N/A
Chr2	18677814	18678131	Chr2.14159	<i>Bmi1(+955)</i>	N/A
Chr2	125428073	125428182	Chr2.141610	<i>Gm9913(-76961),Dut(+180938)</i>	N/A
Chr2	125429188	125429435	Chr2.141614	<i>Gm9913(-75777),Dut(+182122)</i>	N/A
Chr2	125431446	125431863	Chr2.141624	<i>Gm9913(-73434),Dut(+184465)</i>	N/A
Chr2	125436269	125436452	Chr2.141630	<i>Gm9913(-68728),Dut(+189171)</i>	N/A
Chr2	125436068	125436751	Chr2.141633	<i>Gm9913(-68409),Dut(+189490)</i>	N/A
Chr2	125438370	125438570	Chr2.141639	<i>Gm9913(-66616),Dut(+191283)</i>	N/A
Chr2	125448802	125449130	Chr2.141651	<i>Gm9913(-56123),Dut(+201776)</i>	N/A
Chr2	125449380	125449497	Chr2.141656	<i>Gm9913(-55650),Dut(+202249)</i>	N/A
Chr2	125452612	125452894	Chr2.141660	<i>Gm9913(-52336),Dut(+205563)</i>	N/A
Chr2	125470435	125470591	Chr2.141680	<i>Gm9913(-34591),Dut(+223308)</i>	N/A
Chr2	125470609	125470840	Chr2.141684	<i>Gm9913(-34364),Dut(+223535)</i>	N/A
Chr2	125549067	125549303	Chr2.141774	<i>Fbn1(-41192),Cap152(+79328)</i>	N/A
Chr2	125558947	125559265	Chr2.141780	<i>Fbn1(-51113),Cap152(+66007)</i>	N/A
Chr2	4607982	4608096	Chr2.1418	<i>Prip18(+44047),Frm4a(+455167)</i>	N/A
Chr2	18680670	18680802	Chr2.14187	<i>Spag6(-18287),Bmi1(+3718)</i>	N/A
Chr2	18681047	18681181	Chr2.14190	<i>Spag6(-17909),Bmi1(+4096)</i>	N/A
Chr2	125625214	125625325	Chr2.141919	<i>Cap152(+157)</i>	N/A
Chr2	125656049	125656268	Chr2.141963	<i>Cap152(-31046),Eid1(-16941)</i>	N/A
Chr2	125684583	125684728	Chr2.142004	<i>Eid1(+11556),Shc4(+38731)</i>	N/A
Chr2	125684971	125685166	Chr2.142008	<i>Eid1(+11969),Shc4(+38318)</i>	N/A
Chr2	125685736	125685882	Chr2.142010	<i>Eid1(+12709),Shc4(+37578)</i>	N/A
Chr2	125724475	125724730	Chr2.142044	<i>Shc4(-1216)</i>	N/A
Chr2	125732083	125732328	Chr2.142051	<i>Shc4(-8819),Secisbp2(+50664)</i>	N/A
Chr2	125738266	125738514	Chr2.142068	<i>Shc4(-15003),Secisbp2(+44480)</i>	N/A
Chr2	125781447	125781635	Chr2.142152	<i>Shc4(-58154),Secisbp2(+1329)</i>	N/A
Chr2	125809857	125809982	Chr2.142167	<i>Galk2(-49214),Secisbp2(-27050)</i>	N/A
Chr2	125836967	125837225	Chr2.142191	<i>Secisbp2(-54236),Galk2(-22028)</i>	N/A
Chr2	125895196	125895465	Chr2.142231	<i>Fgf7(-139327),Cops2(-36192)</i>	N/A
Chr2	125908534	125907000	Chr2.142254	<i>Fgf7(-127741),Cops2(-47778)</i>	N/A
Chr2	125970263	125970371	Chr2.142326	<i>Cops2(-111178),Fgf7(-64341)</i>	N/A
Chr2	125976031	125976229	Chr2.142335	<i>Cops2(-116991),Fgf7(-58528)</i>	N/A
Chr2	126015448	126015613	Chr2.142385	<i>Cops2(-156392),Fgf7(-19127)</i>	N/A
Chr2	126031273	126031382	Chr2.142393	<i>Fgf7(-3330)</i>	N/A
Chr2	126034504	126034634	Chr2.142399	<i>Fgf7(-89)</i>	N/A
Chr2	126034687	126034909	Chr2.142400	<i>Fgf7(+140)</i>	N/A
Chr2	126034943	126035088	Chr2.142401	<i>Fgf7(+358)</i>	N/A
Chr2	126061173	126061289	Chr2.142425	<i>Fgf7(+26573),Fam227b(+90773)</i>	N/A
Chr2	126065491	126065691	Chr2.142432	<i>Fgf7(+30933),Fam227b(+86413)</i>	N/A
Chr2	126136526	126136591	Chr2.142522	<i>Dwd1(-43623),Atp8b4(-304083)</i>	N/A
Chr2	126304855	126304991	Chr2.142524	<i>Dwd1(-152783),Atp8b4(-194642)</i>	N/A
Chr2	126318171	126318415	Chr2.142605	<i>Dwd1(+166152),Atp8b4(+181554)</i>	N/A
Chr2	126360804	126361386	Chr2.142673	<i>Atp8b4(-138752),Dwd1(+208954)</i>	N/A
Chr2	126363556	126363778	Chr2.142694	<i>Atp8b4(+136180),Dwd1(+211526)</i>	N/A
Chr2	126450551	126450666	Chr2.142839	<i>Atp8b4(-49239),Dwd1(+298468)</i>	N/A
Chr2	126452368	126452498	Chr2.142843	<i>Atp8b4(+47416),Dwd1(+300292)</i>	N/A
Chr2	126628889	126629160	Chr2.143084	<i>Hdc(-10347),Gatpb1(+46519)</i>	N/A
Chr2	126629305	126629544	Chr2.143088	<i>Hdc(-10747),Gatpb1(+46119)</i>	N/A
Chr2	126629580	126630381	Chr2.143089	<i>Hdc(-11303),Gatpb1(+45563)</i>	N/A
Chr2	4612358	4612518	Chr2.14331	<i>Prip18(+39648),Frm4a(+459566)</i>	N/A
Chr2	126673298	126673467	Chr2.143125	<i>Hdc(-54705),Gatpb1(+2161)</i>	N/A
Chr2	126675175	126675588	Chr2.143129	<i>Gatpb1(+162)</i>	N/A
Chr2	126675741	126675844	Chr2.143132	<i>Gatpb1(-249)</i>	N/A
Chr2	126708055	126708160	Chr2.143140	<i>Usp8(+748)</i>	N/A
Chr2	126875970	126876219	Chr2.143342	<i>Trpm7(+135)</i>	N/A
Chr2	126950113	126950336	Chr2.143410	<i>Ap4e1(-58504),Sppl2a(-16991)</i>	N/A
Chr2	127005885	127005832	Chr2.143439	<i>Ap4e1(-2971)</i>	N/A
Chr2	127006038	127006245	Chr2.143444	<i>Ap4e1(-2588)</i>	N/A
Chr2	18778291	18778522	Chr2.14351	<i>Spag6(+79384),Pip4k2a(+219719)</i>	N/A
Chr2	127121459	127121730	Chr2.143581	<i>NcapH(-12359),Bvra1(+50928)</i>	N/A
Chr2	127138182	127138300	Chr2.143633	<i>NcapH(-4287)</i>	N/A
Chr2	127142489	127142601	Chr2.143694	<i>Itrig1(+761)</i>	N/A
Chr2	18800929	18801046	Chr2.14370	<i>Spag6(+101965),Pip4k2a(+197138)</i>	N/A
Chr2	127248939	127249057	Chr2.143909	<i>Claof(-1182),Tmem127(+1090)</i>	N/A
Chr2	127314589	127314780	Chr2.143996	<i>Dusp2(-21474),Starf2(+44456)</i>	N/A
Chr2	127334624	127334766	Chr2.144001	<i>Astf(-3944),Dusp2(-1454)</i>	N/A
Chr2	127379424	127379535	Chr2.144131	<i>Gpa2(-45719),Adra2b(+16194)</i>	N/A
Chr2	18842837	18842993	Chr2.14414	<i>Spag6(+143892),Pip4k2a(+155211)</i>	N/A
Chr2	127464123	127464232	Chr2.144270	<i>Fahd2a(-19628),Kcnip3(+57192)</i>	N/A
Chr2	127482016	127482130	Chr2.144285	<i>Fahd2a(-37523),Kcnip3(+39297)</i>	N/A
Chr2	127484371	127484553	Chr2.144290	<i>Fahd2a(-39912),Kcnip3(+36908)</i>	N/A
Chr2	127627502	127627619	Chr2.144469	<i>Mal(+29134),Mrps5(+40339)</i>	N/A
Chr2	4620767	4620888	Chr2.14445	<i>Prip18(+31258),Frm4a(+467956)</i>	N/A
Chr2	18857553	18857680	Chr2.144456	<i>Pip4k2a(+140509),Spag6(+158594)</i>	N/A
Chr2	127854622	127854902	Chr2.144719	<i>Acox1(+134)</i>	N/A
Chr2	18860731	18861095	Chr2.14474	<i>Pip4k2a(+137213),Spag6(+161890)</i>	N/A
Chr2	127907366	127907735	Chr2.144775	<i>Bcl211(-218488),Acox1(+52923)</i>	N/A
Chr2	127909027	127909173	Chr2.144788	<i>Bcl211(-216939),Acox1(+54472)</i>	N/A
Chr2	127927598	127928086	Chr2.144805	<i>Bcl211(-198197),Acox1(+73214)</i>	N/A
Chr2	127928179	127928312	Chr2.144814	<i>Bcl211(-197789),Acox1(+73618)</i>	N/A
Chr2	127928494	127928668	Chr2.144819	<i>Bcl211(-197458),Acox1(+73953)</i>	N/A
Chr2	127960688	127960845	Chr2.144846	<i>Bcl211(-165272),Acox1(+106139)</i>	N/A
Chr2	127961109	127961237	Chr2.144852	<i>Bcl211(-164866),Acox1(+106545)</i>	N/A
Chr2	128042426	128044447	Chr2.144899	<i>Bcl211(-161687),Acox1(+209744)</i>	N/A
Chr2	128032006	128032407	Chr2.144954	<i>Bcl211(-133682),Acox1(+237729)</i>	N/A
Chr2	128128038	128128254	Chr2.144994	<i>Spyde4c(-463063),Bcl211(+2107)</i>	N/A
Chr2	128157008	128157202	Chr2.145017	<i>Spyde4c(-434074),Bcl211(+31096)</i>	N/A
Chr2	128180162	128180269	Chr2.145057	<i>Spyde4c(-410993),Bcl211(+54177)</i>	N/A
Chr2	128197466	128197626	Chr2.145058	<i>Spyde4c(-393648),Bcl211(+71522)</i>	N/A
Chr2	128217955	128218065	Chr2.145070	<i>Spyde4c(-373199),Bcl211(+91971)</i>	N/A
Chr2	128218275	128219488	Chr2.145073	<i>Spyde4c(-372828),Bcl211(+95242)</i>	N/A
Chr2	128265383	128265490	Chr2.145084	<i>Spyde4c(-325772),Bcl211(+139398)</i>	N/A
Chr2	128265528	128265647	Chr2.145086	<i>Spyde4c(-325621),Bcl211(+139549)</i>	N/A
Chr2	128312479	128312609	Chr2.145115	<i>Spyde4c(-278665),Bcl211(+186505)</i>	N/A
Chr2	128324423	128324551	Chr2.145117	<i>Spyde4c(-266722),Bcl211(+198448)</i>	N/A
Chr2	128334775	128334902	Chr2.145123	<i>Spyde4c(-256351),Bcl211(+288397)</i>	N/A
Chr2	128336356	128336469	Chr2.145128	<i>Spyde4c(-254796),Bcl211(+210374)</i>	N/A
Chr2	128339720	128339858	Chr2.145133	<i>Spyde4c(-251420),Bcl211(+213750)</i>	N/A
Chr2	128339956	128340128	Chr2.145138	<i>Spyde4c(-251167),Bcl211(+214003)</i>	N/A
Chr2	128345678	128345829	Chr2.145146	<i>Spyde4c(-245455),Bcl211(+219715)</i>	N/A
Chr2	128364067	128364249	Chr2.145158	<i>Spyde4c(-227051),Bcl211(+238119)</i>	N/A
Chr2	128380784	128380907	Chr2.145192	<i>Spyde4c(-210363),Bcl211(+254807)</i>	N/A
Chr2	128428298	128428400	Chr2.145231	<i>Spyde4c(-162860),Bcl211(+302370)</i>	N/A
Chr2	128429299	128429447	Chr2.145237	<i>Spyde4c(-161836),Bcl211(+303334)</i>	N/A
Chr2	128523538	128523659	Chr2.145279	<i>Spyde4c(-67610),Bcl211(+397560)</i>	N/A
Chr2	128544583	128545009	Chr2.145280	<i>Spyde4c(-46413),Bcl211(+418757)</i>	N/A
Chr2	18933875	18933784	Chr2.14535	<i>Pip4k2a(+46386),Spag6(+234769)</i>	N/A
Chr2	18996690	18996683	Chr2.14566	<i>4830420109nk(-1556),Pip4k2a(+1339)</i>	N/A

Chr2	128871768	128871907	Chr2:145690	<i>Fbln7(+8857),Zc3h8(+72239)</i>	N/A
Chr2	128916650	128916964	Chr2:145757	<i>Zc3h8(+27270),Fbln7(+53826)</i>	N/A
Chr2	128967716	128967858	Chr2:145794	<i>Gm10762(-62),Zc3h6(+365)</i>	N/A
Chr2	129050226	129050509	Chr2:145835	<i>Armc3(-44934),493042609nk(+52025)</i>	N/A
Chr2	129174657	129174793	Chr2:146118	<i>Slc20a1(-24039),Chchd5(+45025)</i>	N/A
Chr2	129199445	129199563	Chr2:146139	<i>Slc20a1(+740)</i>	N/A
Chr2	129201194	129201364	Chr2:146162	<i>Slc20a1(+2515),Ckap2(+95933)</i>	N/A
Chr2	129204470	129204637	Chr2:146170	<i>Slc20a1(+5790),Ckap2(+92658)</i>	N/A
Chr2	19005140	19005272	Chr2:14620	<i>Armc3(-104098),493042609nk(+96863)</i>	N/A
Chr2	129243865	129243960	Chr2:146239	<i>Slc20a1(+45153),Ckap2(+53295)</i>	N/A
Chr2	19006260	19006380	Chr2:14627	<i>Armc3(-102982),493042609nk(+97977)</i>	N/A
Chr2	129260307	129260465	Chr2:146279	<i>Ckap2(+36826),Slc20a1(+61622)</i>	N/A
Chr2	129259658	129259959	Chr2:146433	<i>Itih(-158670),F830045p16nk(+6793)</i>	N/A
Chr2	129561585	129565322	Chr2:146447	<i>Sirpa(-36951),F830045p16nk(-19652)</i>	N/A
Chr2	129562019	129562133	Chr2:146454	<i>Sirpa(-31129),F830045p16nk(-25474)</i>	N/A
Chr2	129564107	129564242	Chr2:146456	<i>Sirpa(-29050),F830045p16nk(-27573)</i>	N/A
Chr2	129574755	129574894	Chr2:146471	<i>F830045p16nk(-38223),Sirpa(-18380)</i>	N/A
Chr2	129577221	129577479	Chr2:146474	<i>F830045p16nk(-40748),Sirpa(-15855)</i>	N/A
Chr2	129588088	129588196	Chr2:146498	<i>F830045p16nk(-51541),Sirpa(-5062)</i>	N/A
Chr2	129592573	129592707	Chr2:146503	<i>Sirpa(-585)</i>	N/A
Chr2	129594308	129594430	Chr2:146506	<i>Sirpa(+1164),Pdyn(+105454)</i>	N/A
Chr2	129595175	129595343	Chr2:146510	<i>Sirpa(+2054),Pdyn(+104574)</i>	N/A
Chr2	129595583	129595877	Chr2:146511	<i>Sirpa(+2525),Pdyn(+104103)</i>	N/A
Chr2	129599662	129599761	Chr2:146524	<i>Sirpa(+6507),Pdyn(+100121)</i>	N/A
Chr2	129624366	129624465	Chr2:146573	<i>Sirpa(+31211),Pdyn(+75417)</i>	N/A
Chr2	129625827	129626039	Chr2:146585	<i>Sirpa(-35378),Pdyn(+71250)</i>	N/A
Chr2	129698532	129699949	Chr2:146669	<i>Pdyn(-58)</i>	N/A
Chr2	129801208	129801309	Chr2:146715	<i>Stk35(+742)</i>	N/A
Chr2	129865142	129865326	Chr2:146779	<i>Tgm3(-147115),Sh35(+64717)</i>	N/A
Chr2	130176575	130176886	Chr2:147095	<i>Srnpb(+2681),Tgm6(+53447)</i>	N/A
Chr2	130274375	130274487	Chr2:147187	<i>Npp5b(+1)</i>	N/A
Chr2	130296262	130296383	Chr2:147279	<i>Edk4(+3384),Cpxm1(+98251)</i>	N/A
Chr2	130450226	130450334	Chr2:147570	<i>Ptpn4(-264)</i>	N/A
Chr2	130496133	130496273	Chr2:147597	<i>Mps26(-67539),Ptpn4(+45659)</i>	N/A
Chr2	130553944	130554046	Chr2:147652	<i>Mps26(-9747),Ptpn4(+103451)</i>	N/A
Chr2	130591805	130592018	Chr2:147717	<i>Avp(-9358),Fastkd5(+38115)</i>	N/A
Chr2	130600007	130600435	Chr2:147740	<i>Avp(-17667),Fastkd5(+29898)</i>	N/A
Chr2	130600553	130600728	Chr2:147750	<i>Avp(-18087),Fastkd5(-29386)</i>	N/A
Chr2	130632979	130633369	Chr2:147815	<i>Fastkd5(-3147),Ubox5(-3136)</i>	N/A
Chr2	130633680	130633863	Chr2:147825	<i>Fastkd5(-3745),Ubox5(-3734)</i>	N/A
Chr2	130633896	130634027	Chr2:147828	<i>Fastkd5(-3935),Ubox5(-3924)</i>	N/A
Chr2	130634121	130634301	Chr2:147831	<i>Fastkd5(+184),Ubox5(+173)</i>	N/A
Chr2	130657608	130657742	Chr2:147894	<i>Ltts3(-14872),Dmgp1(+6854)</i>	N/A
Chr2	130707176	130707379	Chr2:148035	<i>Slc4a11(-3759),4930402h24nk(+132856)</i>	N/A
Chr2	130708162	130708314	Chr2:148043	<i>Slc4a11(-10719),4930402h24nk(+131896)</i>	N/A
Chr2	130723545	130723705	Chr2:148070	<i>Slc4a11(-26106),4930402h24nk(+116509)</i>	N/A
Chr2	130760937	130761064	Chr2:148107	<i>Slc4a11(-63482),4930402h24nk(+79133)</i>	N/A
Chr2	130819117	130819308	Chr2:148160	<i>Slc4a11(-121643),4930402h24nk(+20972)</i>	N/A
Chr2	131029917	131030021	Chr2:148327	<i>Gfap4(+12713),Alm(+123474)</i>	N/A
Chr2	131134541	131134642	Chr2:148645	<i>Gm11037(+1095),1700037h04nk(+25428)</i>	N/A
Chr2	131146487	131146653	Chr2:148733	<i>Gm11037(+13073),1700037h04nk(+13450)</i>	N/A
Chr2	131177244	131177451	Chr2:148786	<i>Spef1(-2147)</i>	N/A
Chr2	131177480	131177917	Chr2:148787	<i>Spef1(-2498)</i>	N/A
Chr2	131190450	131190597	Chr2:148819	<i>Ap5a1(-19916),Cdc25b(+3575)</i>	N/A
Chr2	131190743	131190854	Chr2:148821	<i>Ap5a1(-19641),Cdc25b(+3850)</i>	N/A
Chr2	131204752	131204920	Chr2:148872	<i>Ap5a1(-5604),Cdc25b(+17887)</i>	N/A
Chr2	131303165	131303346	Chr2:148966	<i>Pank2(+40756),Rnf24(+49625)</i>	N/A
Chr2	131344567	131344764	Chr2:148994	<i>Rnf24(+8215),Pank2(+82166)</i>	N/A
Chr2	131351582	131351739	Chr2:149002	<i>Rnf24(+1220),Pank2(+89161)</i>	N/A
Ch2	131402205	131402381	Chr2:149014	<i>Smox(-99650),Rnf24(+49412)</i>	N/A
Chr2	131484354	131484476	Chr2:149027	<i>Rnf24(-131534),Smox(-7528)</i>	N/A
Chr2	131506606	131506799	Chr2:149041	<i>Smox(+14760),Adra1d(+55580)</i>	N/A
Chr2	131511192	131511419	Chr2:149047	<i>Smox(+19363),Adra1d(+50977)</i>	N/A
Chr2	131686958	131687103	Chr2:149180	<i>493042817nk(+39206),Er3(-172716)</i>	N/A
Chr2	131750251	131750430	Chr2:149215	<i>493042817nk(+102516),Er3(-109406)</i>	N/A
Chr2	132019695	132019797	Chr2:149349	<i>Rassf2(-10255),Pmd(+108789)</i>	N/A
Chr2	19450777	19450896	Chr2:14939	<i>Ptf1a(+5174),4921504e06nk(+103077)</i>	N/A
Chr2	132111448	132111575	Chr2:149476	<i>Rassf2(-81511),Slc23a2(+33592)</i>	N/A
Chr2	132444756	132444995	Chr2:149645	<i>Prokr2(-59476),Gpcpd1(+133372)</i>	N/A
Chr2	132689918	132690086	Chr2:149762	<i>Shc1(-381)</i>	N/A
Chr2	132781569	132781687	Chr2:149818	<i>Chch3(-350)</i>	N/A
Chr2	132847634	132847929	Chr2:149968	<i>Crls1(+1116),Lmm4(+33109)</i>	N/A
Chr2	133063167	133063745	Chr2:150157	<i>Bmp2(-488703),Ferm1(-117550)</i>	N/A
Chr2	133114206	133114385	Chr2:150192	<i>Bmp2(-437863),Ferm1(-168390)</i>	N/A
Chr2	133208474	133208644	Chr2:150281	<i>Bmp2(-343600),Ferm1(-262653)</i>	N/A
Chr2	133262363	133262462	Chr2:150299	<i>Ferm1(-316492),Bmp2(-289761)</i>	N/A
Chr2	133274354	133274679	Chr2:150306	<i>Ferm1(-328611),Bmp2(-277648)</i>	N/A
Chr2	133274741	133274860	Chr2:150308	<i>Ferm1(-328895),Bmp2(-277358)</i>	N/A
Chr2	133274959	133275215	Chr2:150309	<i>Ferm1(-329181),Bmp2(-277072)</i>	N/A
Chr2	133284395	133284566	Chr2:150328	<i>Ferm1(-338575),Bmp2(-267678)</i>	N/A
Chr2	133306133	133306319	Chr2:150335	<i>Ferm1(-360320),Bmp2(-245933)</i>	N/A
Chr2	133310309	133310509	Chr2:150341	<i>Ferm1(-364522),Bmp2(-241731)</i>	N/A
Chr2	133330240	133330395	Chr2:150380	<i>Ferm1(-384412),Bmp2(-221841)</i>	N/A
Chr2	133346237	133346445	Chr2:150408	<i>Ferm1(-400435),Bmp2(-205818)</i>	N/A
Chr2	133346483	133346863	Chr2:150409	<i>Ferm1(-400767),Bmp2(-205486)</i>	N/A
Chr2	133346993	133347093	Chr2:150412	<i>Ferm1(-401137),Bmp2(-205116)</i>	N/A
Chr2	133347133	133347247	Chr2:150413	<i>Ferm1(-401284),Bmp2(-204959)</i>	N/A
Chr2	133373777	133373876	Chr2:150443	<i>Ferm1(-427921),Bmp2(-178332)</i>	N/A
Chr2	133374019	133374596	Chr2:150445	<i>Ferm1(-428402),Bmp2(-177851)</i>	N/A
Chr2	19518061	19518548	Chr2:15046	<i>4921504e06nk(+35609),Ptf1a(+72642)</i>	N/A
Chr2	133399291	133399625	Chr2:150474	<i>Ferm1(-453552),Bmp2(-152701)</i>	N/A
Chr2	133437705	133438211	Chr2:150511	<i>Ferm1(-492052),Bmp2(-114201)</i>	N/A
Chr2	133550962	133551065	Chr2:150712	<i>Bmp2(-1150)</i>	N/A
Chr2	133553210	133553355	Chr2:150715	<i>Bmp2(+1124)</i>	N/A
Chr2	133555141	133555357	Chr2:150728	<i>Bmp2(+3090),Hao1(+999119)</i>	N/A
Chr2	133562507	133562645	Chr2:150767	<i>Bmp2(+10417),Hao1(+991792)</i>	N/A
Chr2	133566207	133566659	Chr2:150786	<i>Bmp2(+14274),Hao1(+987935)</i>	N/A
Chr2	133568793	133568944	Chr2:150792	<i>Bmp2(+14705),Hao1(+987504)</i>	N/A
Chr2	133592214	133592406	Chr2:150811	<i>Bmp2(+40151),Hao1(+962058)</i>	N/A
Chr2	133625647	133625840	Chr2:150847	<i>Bmp2(+73585),Hao1(+928624)</i>	N/A
Chr2	133643376	133643563	Chr2:150880	<i>Bmp2(+91311),Hao1(+910898)</i>	N/A
Chr2	133727768	133727868	Chr2:150996	<i>Bmp2(+175659),Hao1(+826550)</i>	N/A
Chr2	133749976	133750084	Chr2:151029	<i>Bmp2(+197871),Hao1(+804338)</i>	N/A
Chr2	133791409	133791594	Chr2:151066	<i>Bmp2(+23943),Hao1(+763866)</i>	N/A
Chr2	133846775	133847009	Chr2:151125	<i>Bmp2(+294733),Hao1(+707476)</i>	N/A
Chr2	133994215	133995166	Chr2:151250	<i>Bmp2(+442532),Hao1(+559677)</i>	N/A
Chr2	134002347	134002627	Chr2:151282	<i>Bmp2(+450328),Hao1(+551881)</i>	N/A
Chr2	134003244	134003501	Chr2:151293	<i>Bmp2(+451214),Hao1(+550995)</i>	N/A
Chr2	19685995	19685751	Chr2:15134	<i>Edk4(-604240),Ouat1(+27011)</i>	N/A
Chr2	134106757	134106962	Chr2:151431	<i>Hao1(+447508),Bmp2(+544701)</i>	N/A
Chr2	134214472	134215214	Chr2:151497	<i>Hao1(+339525),Bmp2(+662684)</i>	N/A
Chr2	134215287	134215468	Chr2:151503	<i>Hao1(+338990),Bmp2(+663219)</i>	N/A
Chr2	134215804	134215947	Chr2:151505	<i>Hao1(+338492),Bmp2(+663717)</i>	N/A
Chr2	134229405	134229557	Chr2:151517	<i>Hao1(+344887),Bmp2(+677322)</i>	N/A
Chr2	134486880	134486836	Chr2:151730	<i>Hao1(+457819),Bmp2(+934399)</i>	N/A
Chr2	134486868	134486788	Chr2:151731	<i>Hao1(+67630),Bmp2(+934579)</i>	N/A
Chr2	134491757	134491860	Chr2:151738	<i>Hao1(+62559),Bmp2(+939650)</i>	N/A
Chr2	134494108	134494275	Chr2:151741	<i>Hao1(+60176),Bmp2(+942033)</i>	N/A
Chr2	134497899	134498213	Chr2:151746	<i>Hao1(+56312),Bmp2(+945897)</i>	N/A
Chr2	134498243	134498601	Chr2:151748	<i>Bmp2(+197871),Hao1(+804338)</i>	N/A
Chr2	134527900	134528064	Chr2:151782	<i>Hao1(+26386),Bmp2(+975823)</i>	N/A
Chr2	134528263	134528434	Chr2:151788	<i>Hao1(+26019),Bmp2(+976190)</i>	N/A
Chr2	134785960	134786095	Chr2:151974	<i>Picb1(-131)</i>	N/A
Chr2	134787828	134787828	Chr2:151984	<i>Picb4(-954121),Picb1(+1550)</i>	N/A
Chr2	134815615	134815970	Chr2:152006	<i>Picb4(-526037),Picb1(-29634)</i>	N/A
Chr2	134872185	134872323	Chr2:152066	<i>Picb4(-869376),Picb1(+86095)</i>	N/A
Chr2	134911047	134911174	Chr2:152125	<i>Picb4(-830719),Picb1(+124952)</i>	N/A
Chr2	135010477	135010640	Chr2:152250	<i>Picb4(-731271),Picb1(+224400)</i>	N/A
Chr2	135028689	135030073	Chr2:152262	<i>Picb4(-711859),Picb1(+243812)</i>	N/A
Chr2	135153365	135153476	Chr2:152360	<i>Picb4(-588499),Picb1(+367262)</i>	N/A
Chr2	135440266	135440442	Chr2:152625	<i>Picb4(-301478),Picb1(+654195)</i>	N/A
Chr2	135655286	135655395	Chr2:152782	<i>Picb4(-85489),Picb1(+869182)</i>	N/A
Chr2	135659939	135660060	Chr2:152769	<i>Picb4(-81830),Picb1(+873841)</i>	N/A
Chr2	135662421	135662532	Chr2:152781	<i>Picb4(-79353),Picb1(+876318)</i>	N/A
Chr2	135709006	135709105	Chr2:152828	<i>Picb4(-32774),Picb1(+922897)</i>	N/A
Chr2	135711508	135711631	Chr2:152830	<i>Picb4(-30280),Picb1(+925411)</i>	N/A
Chr2	19809860	198098992	Chr2:15284	<i>Edk4(-37987),Ouat1(+251666)</i>	N/A
Chr2	135719480	135719650	Chr2:152849	<i>Picb4(-22265),Picb1(+933406)</i>	N/A

Chr2	135742952	135743125	Chr2.152872	Lamp5(-314888),Plcb4(+1209)	N/A
Chr2	135743359	135743468	Chr2.152875	Lamp5(-314513),Plcb4(+1584)	N/A
Chr2	135749893	135749959	Chr2.152882	Lamp5(-308101),Plcb4(+7996)	N/A
Chr2	135868620	135867175	Chr2.152991	Lamp5(-190393),Plcb4(+125168)	N/A
Chr2	135927819	135927990	Chr2.153040	Lamp5(-130022),Plcb4(+186075)	N/A
Chr2	136387474	136387590	Chr2.153512	Pak7(+406)	N/A
Chr2	136387769	136387890	Chr2.153516	Pak7(+108)	N/A
Chr2	136598999	136599053	Chr2.153673	Snap25(-114477),Ankff1(+66696)	N/A
Chr2	136669283	136669462	Chr2.153720	Snap25(-44080),Ankff1(+137093)	N/A
Chr2	136770597	136770923	Chr2.153724	Snap25(-42693),Ankff1(+138480)	N/A
Chr2	136679925	136680032	Chr2.153737	Snap25(-33474),Ankff1(+147699)	N/A
Chr2	136713418	136713606	Chr2.153769	Snap25(+59)	N/A
Chr2	136714052	136714167	Chr2.153773	Snap25(+657)	N/A
Chr2	136781812	136781951	Chr2.153926	Snap25(+68429),Mkks(+109507)	N/A
Chr2	136808069	136808264	Chr2.153953	Mkks(+83222),Snap25(+84714)	N/A
Chr2	136911578	136912078	Chr2.154069	Slx4p(+19860),Jag1(+204616)	N/A
Chr2	136912108	136912313	Chr2.154070	Slx4p(+20043),Jag1(+204433)	N/A
Chr2	136921280	136921405	Chr2.154084	Slx4p(+29175),Jag1(+195301)	N/A
Chr2	136946466	136947092	Chr2.154098	Slx4p(+54611),Jag1(+169865)	N/A
Chr2	136955583	136955722	Chr2.154114	Slx4p(+63435),Jag1(+1041)	N/A
Chr2	136955812	136955914	Chr2.154116	Slx4p(+63895),Jag1(+160581)	N/A
Chr2	136956570	136956853	Chr2.154124	Slx4p(+64634),Jag1(+159842)	N/A
Chr2	136986579	136986816	Chr2.154154	Slx4p(+94530),Jag1(+129946)	N/A
Chr2	137003324	137003640	Chr2.154174	Slx4p(+111314),Jag1(+113162)	N/A
Chr2	137014101	137014223	Chr2.154191	Jag1(+102482),Slx4p(+121994)	N/A
Chr2	137046608	137086512	Chr2.154282	Jag1(+56184),Slx4p(+174292)	N/A
Chr2	137073522	137073837	Chr2.154311	Jag1(+42964),Slx4p(+181512)	N/A
Chr2	137074075	137074248	Chr2.154313	Jag1(+42482),Slx4p(+181994)	N/A
Chr2	137074504	137074638	Chr2.154318	Jag1(+42073),Slx4p(+182403)	N/A
Chr2	137078191	137078409	Chr2.154332	Jag1(+38344),Slx4p(+186132)	N/A
Chr2	137078542	137078649	Chr2.154339	Jag1(+38049),Slx4p(+186427)	N/A
Chr2	137078701	137078984	Chr2.154341	Jag1(+37801),Slx4p(+186676)	N/A
Chr2	137079229	137079420	Chr2.154343	Jag1(+37319),Slx4p(+187157)	N/A
Chr2	137081432	137081923	Chr2.154349	Jag1(+34966),Slx4p(+189510)	N/A
Chr2	137087919	137088024	Chr2.154405	Jag1(+28672),Slx4p(+195804)	N/A
Chr2	137092845	137093026	Chr2.154441	Jag1(+23708),Slx4p(+200768)	N/A
Chr2	137094863	137095994	Chr2.154461	Jag1(+20105),Slx4p(+204371)	N/A
Chr2	137097040	137097159	Chr2.154465	Jag1(+19544),Slx4p(+204932)	N/A
Chr2	137097390	137097504	Chr2.154468	Jag1(+19197),Slx4p(+205279)	N/A
Chr2	137097861	137098104	Chr2.154470	Jag1(+18661),Slx4p(+205815)	N/A
Chr2	137098218	137098568	Chr2.154471	Jag1(+18251),Slx4p(+206225)	N/A
Chr2	137099414	137099591	Chr2.154482	Jag1(+17141),Slx4p(+207339)	N/A
Chr2	137106404	137106505	Chr2.154503	Jag1(+10189),Slx4p(+214287)	N/A
Chr2	137107300	137107403	Chr2.154510	Jag1(+92292),Slx4p(+215184)	N/A
Chr2	137107575	137107678	Chr2.154512	Jag1(+9017),Slx4p(+215459)	N/A
Chr2	137108025	137108343	Chr2.154513	Jag1(+8460),Slx4p(+216016)	N/A
Chr2	137108953	137109131	Chr2.154521	Jag1(+7602),Slx4p(+216874)	N/A
Chr2	137109922	137110232	Chr2.154526	Jag1(+65657),Slx4p(+217909)	N/A
Chr2	137110377	137110780	Chr2.154530	Jag1(+6068),Slx4p(+218411)	N/A
Chr2	137111527	137111647	Chr2.154536	Jag1(+5057),Slx4p(+219419)	N/A
Chr2	137113383	137113496	Chr2.154546	Jag1(+3204),Slx4p(+221272)	N/A
Chr2	137113760	137114054	Chr2.154550	Jag1(+2737),Slx4p(+221739)	N/A
Chr2	137114705	137114826	Chr2.154555	Jag1(+1877),Slx4p(+222599)	N/A
Chr2	137116351	137116519	Chr2.154563	Jag1(+209)	N/A
Chr2	137116654	137116808	Chr2.154564	Jag1(-87)	N/A
Chr2	137135679	137135928	Chr2.154602	Jag1(-19160)	N/A
Chr2	137135963	137136084	Chr2.154604	Jag1(-19380)	N/A
Chr2	137136879	137137363	Chr2.154607	Jag1(-20477)	N/A
Chr2	137152217	137152343	Chr2.154635	Jag1(-36636)	N/A
Chr2	137153202	137153398	Chr2.154641	Jag1(-38756)	N/A
Chr2	20291300	20291402	Chr2.15466	EtH4(+1438),Arhgap21(+676370)	N/A
Chr2	137163406	137163524	Chr2.154667	Jag1(-46821)	N/A
Chr2	20291442	20291649	Chr2.15467	EtH4(+1633),Arhgap21(+676175)	N/A
Chr2	137169327	137169426	Chr2.154717	Jag1(-72734)	N/A
Chr2	137169558	137169930	Chr2.154719	Jag1(-73100)	N/A
Chr2	137190655	137191084	Chr2.154725	Jag1(-74226)	N/A
Chr2	137225211	137225494	Chr2.154790	Jag1(-108709)	N/A
Chr2	137243765	137244259	Chr2.154825	Jag1(-127368)	N/A
Chr2	137333731	137333880	Chr2.154955	Btd3(-944697),Jag1(-271752)	N/A
Chr2	137343886	137344045	Chr2.154970	Btd3(-934521),Jag1(-227228)	N/A
Chr2	137357110	137357525	Chr2.154984	Btd3(-921175),Jag1(-184674)	N/A
Chr2	137374937	137375119	Chr2.155004	Btd3(-903465),Jag1(-258384)	N/A
Chr2	137375446	137375807	Chr2.155011	Btd3(-902866),Jag1(-258983)	N/A
Chr2	137377415	137377514	Chr2.155021	Btd3(-901028),Jag1(-260821)	N/A
Chr2	137433442	137433598	Chr2.155095	Btd3(-844973),Jag1(-316876)	N/A
Chr2	137436243	137436510	Chr2.155101	Btd3(-842116),Jag1(-319733)	N/A
Chr2	137537418	137537638	Chr2.155270	Btd3(-740685),Jag1(-420884)	N/A
Chr2	137575048	137575297	Chr2.155339	Btd3(-703320),Jag1(-458529)	N/A
Chr2	137591585	137591763	Chr2.155355	Btd3(-686819),Jag1(-475030)	N/A
Chr2	137598098	137598614	Chr2.155363	Btd3(-680137),Jag1(-481712)	N/A
Chr2	137600705	137600916	Chr2.155392	Btd3(-669632),Jag1(-492217)	N/A
Chr2	137635334	137635543	Chr2.155427	Btd3(-643054),Jag1(-516769)	N/A
Chr2	137687193	137687656	Chr2.155507	Btd3(-591068),Jag1(-570781)	N/A
Chr2	137690773	137691005	Chr2.155521	Btd3(-587604),Jag1(-574245)	N/A
Chr2	137693644	137693935	Chr2.155523	Btd3(-584703),Jag1(-577146)	N/A
Chr2	137706463	137706696	Chr2.155563	Jag1(-589936),Btd3(-571913)	N/A
Chr2	137706782	137706935	Chr2.155566	Jag1(-580215),Btd3(-571634)	N/A
Chr2	137722163	137722281	Chr2.155593	Jag1(-605578),Btd3(-556271)	N/A
Chr2	137730552	137730843	Chr2.155601	Jag1(-614054),Btd3(-547795)	N/A
Chr2	137756367	137756482	Chr2.155617	Jag1(-639781),Btd3(-522068)	N/A
Chr2	137756543	137756821	Chr2.155622	Jag1(-640038),Btd3(-521811)	N/A
Chr2	137781704	137781881	Chr2.155640	Jag1(-663149),Btd3(-496700)	N/A
Chr2	137807709	137807880	Chr2.155646	Jag1(-691151),Btd3(-470696)	N/A
Chr2	137808365	137808615	Chr2.155668	Jag1(-691846),Btd3(-470003)	N/A
Chr2	137808718	137808914	Chr2.155671	Jag1(-692172),Btd3(-469677)	N/A
Chr2	137817282	137817497	Chr2.155674	Jag1(-700746),Btd3(-461103)	N/A
Chr2	137828364	137828502	Chr2.155693	Jag1(-717189),Btd3(-450600)	N/A
Chr2	137853825	137853810	Chr2.155697	Jag1(-730747),Btd3(-424759)	N/A
Chr2	137853953	137854181	Chr2.155701	Jag1(-737423),Btd3(-424426)	N/A
Chr2	137924664	137924883	Chr2.155779	Jag1(-808130),Btd3(-353719)	N/A
Chr2	137925463	137925715	Chr2.155784	Jag1(-808945),Btd3(-352904)	N/A
Chr2	137936813	137936994	Chr2.155795	Jag1(-820260),Btd3(-341589)	N/A
Chr2	137953242	137953421	Chr2.155803	Jag1(-836688),Btd3(-325161)	N/A
Chr2	20417256	20417597	Chr2.155896	EtH4(+127514),Arhgap21(+550294)	N/A
Chr2	138033782	138033938	Chr2.155894	Jag1(-917216),Btd3(-244633)	N/A
Chr2	138034281	138034501	Chr2.155896	Jag1(-917747),Btd3(-244102)	N/A
Chr2	20419978	20420201	Chr2.15596	EtH4(+130177),Arhgap21(+547631)	N/A
Chr2	138193114	138193232	Chr2.155985	Btd3(-85320)	N/A
Chr2	20445445	20445629	Chr2.15606	EtH4(+156264),Arhgap21(+522184)	N/A
Chr2	138278315	138278815	Chr2.156071	Btd3(-172)	N/A
Chr2	138315596	138315737	Chr2.156169	Btd3(-37174)	N/A
Chr2	138326739	138326871	Chr2.156193	Btd3(-48312)	N/A
Chr2	138708892	138708991	Chr2.156479	Splic3(-784978),Btd3(+430449)	N/A
Chr2	138709378	138709485	Chr2.156486	Splic3(-784488),Btd3(+430939)	N/A
Chr2	205187883	20518886	Chr2.15651	EtH4(+238922),Arhgap21(+448869)	N/A
Chr2	20519775	138708994	Chr2.15656	EtH4(+229962),Arhgap21(+447846)	N/A
Chr2	139032428	139032683	Chr2.156697	Splic3(-461364),Btd3(+754063)	N/A
Chr2	139041969	139042169	Chr2.156704	Splic3(-451851),Btd3(+763576)	N/A
Chr2	139334369	139334567	Chr2.156914	Splic3(-159452)	N/A
Chr2	20547757	20548054	Chr2.15692	EtH4(+257993),Arhgap21(+419819)	N/A
Chr2	139591066	139591212	Chr2.157005	Ism1(-97039),Splic3(-97219)	N/A
Chr2	139599815	139599963	Chr2.157029	Ism1(-78289),Splic3(+105969)	N/A
Chr2	139608259	139608397	Chr2.157040	Ism1(-69850),Splic3(+114408)	N/A
Chr2	139609054	139609171	Chr2.157047	Ism1(-69065),Splic3(+115193)	N/A
Chr2	139612590	139612686	Chr2.157052	Ism1(-65440),Splic3(+118818)	N/A
Chr2	139613472	139613683	Chr2.157060	Ism1(-64600),Splic3(+119658)	N/A
Chr2	139642361	139642646	Chr2.157107	Ism1(-35674),Splic3(+148584)	N/A
Chr2	139739116	139739334	Chr2.157276	Ism1(+61047),Tasp1(+327535)	N/A
Chr2	139765573	139765686	Chr2.157342	Ism1(+87452),Tasp1(+301130)	N/A
Chr2	20604120	20604361	Chr2.15740	EtH4(+314328),Arhgap21(+363480)	N/A
Chr2	139798672	139798620	Chr2.157402	Ism1(+119961),Tasp1(+268621)	N/A
Chr2	139878279	139878450	Chr2.157482	Tasp1(+188395),Ism1(+200187)	N/A
Chr2	139878790	139878894	Chr2.157487	Tasp1(+187918),Ism1(+200654)	N/A
Chr2	139884135	139884618	Chr2.157509	Tasp1(+182383),Ism1(+206199)	N/A
Chr2	139934133	139934305	Chr2.157535	Tasp1(+132541),Ism1(+256041)	N/A
Chr2	139934559	139934999	Chr2.157541	Tasp1(+131981),Ism1(+256601)	N/A
Chr2	139972217	139972876	Chr2.157569	Tasp1(+193862),Ism1(+294620)	N/A
Chr2	140025736	140025944	Chr2.157600	Tasp1(+40920),Ism1(+347662)	N/A

Chr2	20629065	20629213	Chr2.15762	<i>Athgap21(+338582),E84(+339226)</i>	N/A
Chr2	140066724	140066869	Chr2.157632	<i>Tasp1(-37)</i>	N/A
Chr2	140142005	140142119	Chr2.157725	<i>Tasp1(-73302),E8f1(+28502)</i>	N/A
Chr2	20654103	20654344	Chr2.15782	<i>Athgap21(+313497),E84(+364311)</i>	N/A
Chr2	140395273	140395483	Chr2.157913	<i>Macro2(+22)</i>	N/A
Chr2	140501209	140501396	Chr2.157980	<i>Macro2(+105948),Firt3(+170146)</i>	N/A
Chr2	140658884	140666029	Chr2.158213	<i>Firt3(+5493),Macro2(+270601)</i>	N/A
Chr2	140669646	140667150	Chr2.158218	<i>Firt3(+4402),Macro2(+271692)</i>	N/A
Chr2	140667749	1406668042	Chr2.158225	<i>Firt3(+3554),Macro2(+272540)</i>	N/A
Chr2	140668421	140666896	Chr2.158229	<i>Firt3(+2943),Macro2(+273152)</i>	N/A
Chr2	140669125	140669412	Chr2.158232	<i>Firt3(+2181),Macro2(+273913)</i>	N/A
Chr2	140670476	140670959	Chr2.158236	<i>Firt3(+732),Firt3(+751)</i>	N/A
Chr2	140671259	140671535	Chr2.158247	<i>Firt3(+53),Firt3(+72)</i>	N/A
Chr2	20712396	20712558	Chr2.158265	<i>Athgap21(+235244),E84(+422564)</i>	N/A
Chr2	140703678	140703678	Chr2.158293	<i>Firt3(-34059)</i>	N/A
Chr2	140819333	140819562	Chr2.158399	<i>Firt3(-147979)</i>	N/A
Chr2	20722219	20722637	Chr2.15844	<i>Athgap21(+245293),E84(+432515)</i>	N/A
Chr2	140839935	140840420	Chr2.158442	<i>Firt3(-168709)</i>	N/A
Chr2	140906696	140906904	Chr2.158498	<i>Firt3(-235331)</i>	N/A
Chr2	140911812	140911953	Chr2.158506	<i>Firt3(-240414)</i>	N/A
Chr2	140913701	140913977	Chr2.158510	<i>Firt3(-242370)</i>	N/A
Chr2	140934648	140934777	Chr2.158529	<i>Firt3(-263244)</i>	N/A
Chr2	141007896	141008129	Chr2.158639	<i>Firt3(-336544)</i>	N/A
Chr2	141008402	141008573	Chr2.158644	<i>Firt3(-337019)</i>	N/A
Chr2	141013599	141013730	Chr2.158658	<i>Firt3(-342200)</i>	N/A
Chr2	141034952	141035113	Chr2.158693	<i>Firt3(-363564)</i>	N/A
Chr2	141057180	141057505	Chr2.158732	<i>Firt3(-385874)</i>	N/A
Chr2	20737202	20737327	Chr2.15877	<i>Athgap21(+230456),E84(+447352)</i>	N/A
Chr2	141122206	141122462	Chr2.158799	<i>Firt3(-450865)</i>	N/A
Chr2	20737451	20737579	Chr2.15880	<i>Athgap21(+230206),E84(+447602)</i>	N/A
Chr2	141125113	141125222	Chr2.158807	<i>Firt3(-453702)</i>	N/A
Chr2	141142387	141142614	Chr2.158841	<i>Firt3(-471032)</i>	N/A
Chr2	141152157	141152493	Chr2.158856	<i>Firt3(-480856)</i>	N/A
Chr2	141157566	141157786	Chr2.158870	<i>Firt3(-486207)</i>	N/A
Chr2	141173316	141173513	Chr2.158907	<i>Firt3(-501946)</i>	N/A
Chr2	141173616	141173957	Chr2.158909	<i>Firt3(-502318)</i>	N/A
Chr2	141180672	141181006	Chr2.158930	<i>Firt3(-500370)</i>	N/A
Chr2	141182514	141182613	Chr2.158941	<i>Firt3(-511095)</i>	N/A
Chr2	141230932	141231163	Chr2.159045	<i>Firt3(-559579)</i>	N/A
Chr2	141231200	141231340	Chr2.159046	<i>Firt3(-559801)</i>	N/A
Chr2	141234279	141234410	Chr2.159057	<i>Firt3(-562876)</i>	N/A
Chr2	141234452	141234840	Chr2.159060	<i>Firt3(-563177)</i>	N/A
Chr2	141234927	141235078	Chr2.159062	<i>Firt3(-563534)</i>	N/A
Chr2	141235511	141235645	Chr2.159069	<i>Firt3(-564109)</i>	N/A
Chr2	141237813	141238056	Chr2.159074	<i>Firt3(-566466)</i>	N/A
Chr2	141271846	141272096	Chr2.159123	<i>Firt3(-600502)</i>	N/A
Chr2	141273017	141273124	Chr2.159125	<i>Firt3(-601602)</i>	N/A
Chr2	141289154	141289256	Chr2.159153	<i>Firt3(-617736)</i>	N/A
Chr2	141289534	141289723	Chr2.159159	<i>Firt3(-618160)</i>	N/A
Chr2	141293065	141293257	Chr2.159168	<i>Firt3(-621692)</i>	N/A
Chr2	141298913	141299056	Chr2.159178	<i>Firt3(-627516)</i>	N/A
Chr2	141312161	141312293	Chr2.159198	<i>Firt3(-640758)</i>	N/A
Chr2	141391226	141391361	Chr2.159273	<i>Firt3(-719825)</i>	N/A
Chr2	141424912	141435139	Chr2.159323	<i>Firt3(-763557)</i>	N/A
Chr2	141508485	141508644	Chr2.159440	<i>Firt3(-837096)</i>	N/A
Chr2	141556883	141557017	Chr2.159488	<i>Firt3(-885481)</i>	N/A
Chr2	141583159	141583385	Chr2.159525	<i>Firt3(-911803)</i>	N/A
Chr2	141583733	141583942	Chr2.159530	<i>Firt3(-912369)</i>	N/A
Chr2	141617873	141618011	Chr2.159562	<i>Firt3(-94647)</i>	N/A
Chr2	141643338	141643848	Chr2.159591	<i>Firt3(-972224)</i>	N/A
Chr2	141701205	141701563	Chr2.159665	<i>None</i>	N/A
Chr2	141706665	141706787	Chr2.159679	<i>None</i>	N/A
Chr2	141729254	141729459	Chr2.159718	<i>None</i>	N/A
Chr2	141817819	141817921	Chr2.159814	<i>None</i>	N/A
Chr2	141825276	141825905	Chr2.159824	<i>None</i>	N/A
Chr2	141859228	141859358	Chr2.159865	<i>None</i>	N/A
Chr2	141877092	141877196	Chr2.159909	<i>None</i>	N/A
Chr2	141879637	141880253	Chr2.159922	<i>None</i>	N/A
Chr2	141880305	141880471	Chr2.159932	<i>None</i>	N/A
Chr2	142058030	142058316	Chr2.160202	<i>Kif16b(+843358)</i>	N/A
Chr2	142148916	142149617	Chr2.160295	<i>Kif16b(+751964)</i>	N/A
Chr2	142152590	142152810	Chr2.160300	<i>Kif16b(+748831)</i>	N/A
Chr2	142232880	142233043	Chr2.160412	<i>Kif16b(+668569)</i>	N/A
Chr2	142253761	142253888	Chr2.160450	<i>Kif16b(+647706)</i>	N/A
Chr2	142234913	142235127	Chr2.160508	<i>Kif16b(+606511)</i>	N/A
Chr2	142334509	142334671	Chr2.160553	<i>Kif16b(+566941)</i>	N/A
Chr2	142334945	142335268	Chr2.160560	<i>Kif16b(+566424)</i>	N/A
Chr2	142335324	142335442	Chr2.160566	<i>Kif16b(+566148)</i>	N/A
Chr2	142437826	142438029	Chr2.160660	<i>Kif16b(+463603)</i>	N/A
Chr2	142438084	142438227	Chr2.160662	<i>Kif16b(+463375)</i>	N/A
Chr2	142528578	142528737	Chr2.160708	<i>Kif16b(+372873)</i>	N/A
Chr2	142568938	142569115	Chr2.160769	<i>Kif16b(+311554)</i>	N/A
Chr2	142590266	142590384	Chr2.160772	<i>Kif16b(+311206)</i>	N/A
Chr2	142731702	142732072	Chr2.161040	<i>Kif16b(+169644)</i>	N/A
Chr2	142827768	142827888	Chr2.161146	<i>Kif16b(+73703)</i>	N/A
Chr2	142967184	142967423	Chr2.161257	<i>SnrpB2(-95735),Kif16b(-65773)</i>	N/A
Chr2	142988917	142989132	Chr2.161286	<i>Kif16b(-874194),SnrpB2(-74014)</i>	N/A
Chr2	143914897	143915093	Chr2.161987	<i>Dstn(-325)</i>	N/A
Chr2	144008597	144008749	Chr2.162132	<i>Rrbp1(+2590),Dstn(+93353)</i>	N/A
Chr2	144101587	144101797	Chr2.162169	<i>Mgme1(-169208),Banf2(+68633)</i>	N/A
Chr2	144160548	144160673	Chr2.162177	<i>Mgme1(-110289),Banf2(+127552)</i>	N/A
Chr2	144164194	144164331	Chr2.162179	<i>Mgme1(-106642),Banf2(+131199)</i>	N/A
Chr2	144168628	144168759	Chr2.162198	<i>Mgme1(-82206),Banf2(+155635)</i>	N/A
Chr2	144266070	144266231	Chr2.162235	<i>Mgme1(-4749)</i>	N/A
Chr2	144270505	144270703	Chr2.162241	<i>Mgme1(-296),Snx5(+302)</i>	N/A
Chr2	144332054	144332297	Chr2.162313	<i>Ovo2(-30)</i>	N/A
Chr2	144339765	144339874	Chr2.162393	<i>Carp2b(+30836),Dzank1(+127595)</i>	N/A
Chr2	144649463	144649584	Chr2.162641	<i>Scp2d1(-177142),Dtd1(+46627)</i>	N/A
Chr2	144676553	144676652	Chr2.162659	<i>Scp2d1(-147063),Dtd1(+76706)</i>	N/A
Chr2	144680374	144680503	Chr2.162669	<i>Scp2d1(-143227),Dtd1(+80542)</i>	N/A
Chr2	144683985	144684084	Chr2.162681	<i>Scp2d1(-139631),Dtd1(+84138)</i>	N/A
Chr2	4802377	4802523	Chr2.1627	<i>Sephs1(-79114),Bend7(+84305)</i>	N/A
Chr2	144740533	144740643	Chr2.162704	<i>Scp2d1(-83078),Dtd1(+140691)</i>	N/A
Chr2	144900867	144901095	Chr2.162779	<i>Slc24a3(-337991),Scp2d1(+83315)</i>	N/A
Chr2	145057142	145057369	Chr2.162838	<i>Slc24a3(-187716),Scp2d1(+233590)</i>	N/A
Chr2	145234208	145234309	Chr2.162927	<i>Slc24a3(-10713),Scp2d1(+410593)</i>	N/A
Chr2	145292834	145293040	Chr2.162956	<i>Rin2(-493179),Slc24a3(+47965)</i>	N/A
Chr2	145405221	145405349	Chr2.163059	<i>Rin2(-380831),Slc24a3(+160313)</i>	N/A
Chr2	145724410	145724655	Chr2.163257	<i>Rin2(-61628),Slc24a3(+479516)</i>	N/A
Chr2	145752894	145753035	Chr2.163262	<i>Rin2(-33256),Slc24a3(+507888)</i>	N/A
Chr2	145786028	145786418	Chr2.163286	<i>Rin2(+107)</i>	N/A
Chr2	145822505	145822770	Chr2.163311	<i>Naa20(-80603),Rin2(+36522)</i>	N/A
Chr2	145886609	145886721	Chr2.163430	<i>Naa20(-16576),Rin2(+100549)</i>	N/A
Chr2	145886812	145886914	Chr2.163433	<i>Naa20(-16378),Rin2(+100747)</i>	N/A
Chr2	145888512	145888781	Chr2.163442	<i>Naa20(-14604),Rin2(+102521)</i>	N/A
Chr2	145888826	145888935	Chr2.163450	<i>Naa20(-14360),Rin2(+102765)</i>	N/A
Chr2	145889339	145889568	Chr2.163455	<i>Naa20(-4787)</i>	N/A
Chr2	145949563	145949690	Chr2.163547	<i>Insm1(-272294),Cmk1(-14613)</i>	N/A
Chr2	145982100	145982326	Chr2.163595	<i>Insm1(-239708),Cmk1(-47199)</i>	N/A
Chr2	146015592	146015794	Chr2.163610	<i>Insm1(-206228),Cmk1(-80679)</i>	N/A
Chr2	20943295	20943402	Chr2.16365	<i>Athgap21(+24372),E84(+653436)</i>	N/A
Chr2	146061831	146061976	Chr2.163662	<i>Insm1(-160017),Cmk1(-126890)</i>	N/A
Chr2	146062688	146062902	Chr2.163666	<i>Insm1(-159126),Cmk1(-127781)</i>	N/A
Chr2	146083345	146083548	Chr2.163696	<i>Cmk1(-148433),Insm1(-138474)</i>	N/A
Chr2	146089240	146089431	Chr2.163709	<i>Cmk1(-154322),Insm1(-132585)</i>	N/A
Chr2	2096150	2096150	Chr2.16371	<i>Athgap21(+1697),E84(+67611)</i>	N/A
Chr2	146168336	146168442	Chr2.163826	<i>Cmk1(-233375),Insm1(-53532)</i>	N/A
Chr2	146217388	146217520	Chr2.163873	<i>Insm1(-4467)</i>	N/A
Chr2	146220722	146220897	Chr2.163879	<i>Insm1(-1111)</i>	N/A
Chr2	146221613	146221722	Chr2.163883	<i>Insm1(-253)</i>	N/A
Chr2	146245426	146245667	Chr2.163936	<i>Insm1(+23576),Ralgapa2(+266507)</i>	N/A
Chr2	146247782	146247959	Chr2.163947	<i>Insm1(+25950),Ralgapa2(+264133)</i>	N/A
Chr2	146249319	146249474	Chr2.163959	<i>Insm1(+24746),Ralgapa2(+262607)</i>	N/A
Chr2	146250553	146250752	Chr2.163963	<i>Insm1(+28732),Ralgapa2(+261351)</i>	N/A
Chr2	146259233	146259461	Chr2.163981	<i>Insm1(+37426),Ralgapa2(+252657)</i>	N/A
Chr2	146262313	146262505	Chr2.163998	<i>Insm1(+40488),Ralgapa2(+249595)</i>	N/A
Chr2	146262572	146262715	Chr2.164000	<i>Insm1(+40723),Ralgapa2(+246900)</i>	N/A
Chr2	21001228	21001570	Chr2.16401	<i>Athgap21(-33678),Enkur(+20386)</i>	N/A

Chr2	146278662	146279004	Chr2:164024	<i>Insm1(+56912),Ralgapa2(+233171)</i>	N/A
Chr2	146279479	146280085	Chr2:164033	<i>Insm1(+57861),Ralgapa2(+232222)</i>	N/A
Chr2	146290837	146291199	Chr2:164063	<i>Insm1(+69097),Ralgapa2(+220986)</i>	N/A
Chr2	146302419	146302615	Chr2:164093	<i>Insm1(+60596),Ralgapa2(+209487)</i>	N/A
Chr2	146330893	146331657	Chr2:164125	<i>Insm1(+109354),Ralgapa2(+180729)</i>	N/A
Chr2	146363151	146363349	Chr2:164208	<i>Insm1(+141329),Ralgapa2(+148754)</i>	N/A
Chr2	146363626	146363732	Chr2:164210	<i>Insm1(+141758),Ralgapa2(+148325)</i>	N/A
Chr2	146366530	146366755	Chr2:164214	<i>Insm1(+143772),Ralgapa2(+146311)</i>	N/A
Chr2	15128764	21028681	Chr2:16431	<i>Arhgap21(-61102),Enkur(+176542)</i>	N/A
Chr2	146549374	146549509	Chr2:164394	<i>Kiz(-30842),Ralgapa2(-37438)</i>	N/A
Chr2	21037285	21037466	Chr2:16441	<i>Arhgap21(-69655),Enkur(+167989)</i>	N/A
Chr2	146589235	146589348	Chr2:164410	<i>Kiz(-266572),Ralgapa2(-77288)</i>	N/A
Chr2	146646694	146646835	Chr2:164471	<i>Kiz(-209099),Ralgapa2(-134761)</i>	N/A
Chr2	4829281	4829396	Chr2:1645	<i>Sephs1(-52225),Bend7(+111194)</i>	N/A
Chr2	146721642	146721771	Chr2:164597	<i>Ralgapa2(-209703),Kiz(-34157)</i>	N/A
Chr2	146763697	146763834	Chr2:164675	<i>Ralgapa2(-251762),Kiz(-92098)</i>	N/A
Chr2	146787559	146787664	Chr2:164706	<i>Ralgapa2(-275608),Kiz(-68252)</i>	N/A
Chr2	146823540	146824025	Chr2:164740	<i>Ralgapa2(-311779),Kiz(-32081)</i>	N/A
Chr2	146834309	146834452	Chr2:164775	<i>Ralgapa2(-322377),Kiz(-21483)</i>	N/A
Chr2	146851363	146851487	Chr2:164797	<i>Kiz(-4439)</i>	N/A
Chr2	146920598	146920942	Chr2:164862	<i>Xmn2(-92235),Kiz(+64906)</i>	N/A
Chr2	146921273	146921433	Chr2:164869	<i>Xmn2(-91643),Kiz(+65489)</i>	N/A
Chr2	146925898	146926031	Chr2:164884	<i>Xmn2(-87031),Kiz(+70101)</i>	N/A
Chr2	147085465	147085582	Chr2:165140	<i>Nkx2-4(-79)</i>	N/A
Chr2	147182629	147182766	Chr2:165215	<i>6430503k07nk(-4726),Nkx2-2(+3704)</i>	N/A
Chr2	147184837	147184975	Chr2:165222	<i>6430503k07nk(-2518),Nkx2-2a(+1496)</i>	N/A
Chr2	147189718	147189834	Chr2:165244	<i>Nkx2-2(-3374),6430503k07nk(+2352)</i>	N/A
Chr2	147190758	147190885	Chr2:165249	<i>Nkx2-2(-4420),6430503k07nk(+3398)</i>	N/A
Chr2	147193074	147193360	Chr2:165264	<i>Pax1(-171777),6430503k07nk(+5793)</i>	N/A
Chr2	147195141	147195289	Chr2:165277	<i>Pax1(-169779),6430503k07nk(+7791)</i>	N/A
Chr2	147298448	147298683	Chr2:165305	<i>Pax1(-66354),6430503k07nk(+11216)</i>	N/A
Chr2	147339069	147339240	Chr2:165384	<i>Pax1(-25835),6430503k07nk(+15175)</i>	N/A
Chr2	147339976	147340275	Chr2:165394	<i>Pax1(-24868),6430503k07nk(+152702)</i>	N/A
Chr2	147340643	147340892	Chr2:165401	<i>Pax1(-24226),6430503k07nk(+153344)</i>	N/A
Chr2	147450957	147451093	Chr2:165544	<i>Pax1(-86031),Foxa2(+595944)</i>	N/A
Chr2	147455854	147455957	Chr2:165547	<i>Pax1(+90912),Foxa2(+591063)</i>	N/A
Chr2	147633109	147633266	Chr2:165570	<i>Pax1(+268194),Foxa2(+13781)</i>	N/A
Chr2	147633402	147633688	Chr2:165772	<i>Pax1(+268551),Foxa2(+413424)</i>	N/A
Chr2	147665324	147665888	Chr2:165814	<i>Pax1(+300612),Foxa2(+381363)</i>	N/A
Chr2	147689687	147689925	Chr2:165853	<i>Pax1(+324812),Foxa2(+357163)</i>	N/A
Chr2	147690901	147691071	Chr2:165856	<i>Pax1(+325992),Foxa2(+355983)</i>	N/A
Chr2	147710572	147710781	Chr2:165872	<i>Foxa2(+336242),Pax1(+346733)</i>	N/A
Chr2	147908498	147908626	Chr2:166034	<i>Foxa2(+140406),Pax1(+541569)</i>	N/A
Chr2	147941539	147941662	Chr2:166080	<i>Foxa2(+105368),Pax1(+576607)</i>	N/A
Chr2	147985190	147985366	Chr2:166138	<i>Foxa2(+61691),Pax1(+620284)</i>	N/A
Chr2	148443568	148443745	Chr2:166576	<i>Cd93(-94)</i>	N/A
Chr2	148444053	148444161	Chr2:166583	<i>Cd93(-544)</i>	N/A
Chr2	150735908	150736081	Chr2:167012	<i>Vax1(-46635),Entpd6(-13047)</i>	N/A
Chr2	150736130	150736279	Chr2:167020	<i>Vax1(-46945),Entpd6(-12837)</i>	N/A
Chr2	151544729	151544865	Chr2:167360	<i>Sdcbp2(-27825),Fkbp1a(+2314)</i>	N/A
Chr2	151544965	151545073	Chr2:167362	<i>Sdcbp2(-27603),Fkbp1a(+2536)</i>	N/A
Chr2	15156003	151560823	Chr2:167372	<i>Sdcbp2(-11909),Fkbp1a(+18230)</i>	N/A
Chr2	151600971	151601198	Chr2:167489	<i>Sdcbp2(-28483),Snph(+31482)</i>	N/A
Chr2	151602631	151602799	Chr2:167492	<i>Snph(+29852),Sdcbp2(+30093)</i>	N/A
Chr2	151603490	151603611	Chr2:167505	<i>Snph(+29016),Sdcbp2(+30929)</i>	N/A
Chr2	151632435	151632682	Chr2:167527	<i>Snph(+8)</i>	N/A
Chr2	151702881	151702993	Chr2:167599	<i>Tmem74b(+929)</i>	N/A
Chr2	151766828	151767050	Chr2:167682	<i>Rspo4(-75988),Psmf1(-25629)</i>	N/A
Chr2	151790341	151790503	Chr2:167686	<i>Rspo4(-52503),Psmf1(-49112)</i>	N/A
Chr2	151815410	151815516	Chr2:167706	<i>Psmf1(-74153),Rspo4(-27464)</i>	N/A
Chr2	151977783	151977931	Chr2:167868	<i>Fam110a(-3922)</i>	N/A
Chr2	152056440	152056636	Chr2:167945	<i>Sort2(-24991),Slc52a3(+60003)</i>	N/A
Chr2	152056717	152056846	Chr2:167949	<i>Sort2(-24747),Slc52a3(+60247)</i>	N/A
Chr2	152069063	152069398	Chr2:167953	<i>Sort2(-12298),Slc52a3(+72696)</i>	N/A
Chr2	152080721	152080973	Chr2:167966	<i>Sort2(-482)</i>	N/A
Chr2	152081650	152081835	Chr2:167970	<i>Sort2(-214)</i>	N/A
Chr2	152114644	152114847	Chr2:168035	<i>Tcf15(-28815),Srxn1(+9016)</i>	N/A
Chr2	152130068	152130204	Chr2:168045	<i>Tcf15(-13425),Srxn1(+24406)</i>	N/A
Chr2	152132155	152132286	Chr2:168051	<i>Tcf15(-11340),Srxn1(+26491)</i>	N/A
Chr2	152142087	152142381	Chr2:168055	<i>Tcf15(-327)</i>	N/A
Chr2	152155927	152156044	Chr2:168065	<i>Cank2a1(-70853),Tcf15(+12425)</i>	N/A
Chr2	152177313	152177625	Chr2:168087	<i>Cank2a1(-49370),Tcf15(+33908)</i>	N/A
Chr2	152180579	152180714	Chr2:168097	<i>Cank2a1(-46192),Tcf15(+37086)</i>	N/A
Chr2	152189756	152190053	Chr2:168099	<i>Cank2a1(-36934),Tcf15(+46344)</i>	N/A
Chr2	152225663	152225771	Chr2:168105	<i>Cank2a1(-1122)</i>	N/A
Chr2	152280475	152280612	Chr2:168172	<i>Tbc1d20(-13284),Cank2a1(+63705)</i>	N/A
Chr2	152281031	152281221	Chr2:168174	<i>Tbc1d20(-12702),Cank2a1(+54287)</i>	N/A
Chr2	152281509	152281688	Chr2:168180	<i>Tbc1d20(-12229),Cank2a1(+54780)</i>	N/A
Chr2	152394873	152395054	Chr2:168356	<i>Nsn2(-18326),Sox12(+3099)</i>	N/A
Chr2	152395155	152395411	Chr2:168358	<i>Nsn2(-18645),Sox12(+2780)</i>	N/A
Chr2	152411070	152411181	Chr2:168390	<i>682040bc15nk(-4461),Zcchc3(+3918)</i>	N/A
Chr2	152412486	152412605	Chr2:168394	<i>682040bc15nk(-3041),Zcchc3(+2498)</i>	N/A
Chr2	152654554	152654667	Chr2:168538	<i>H13(-14877),Rem1(+27660)</i>	N/A
Chr2	152706003	152706216	Chr2:168595	<i>Id1(-30141),Mctc2(+18962)</i>	N/A
Chr2	152706264	152706429	Chr2:168598	<i>Id1(-29904),Mctc2(+19199)</i>	N/A
Chr2	152718181	152718300	Chr2:168605	<i>Id1(-18010),Mctc2(+31093)</i>	N/A
Chr2	152729724	152729860	Chr2:168609	<i>Id1(-6458),Mctc2(+42644)</i>	N/A
Chr2	152737602	152737709	Chr2:168630	<i>Cox4i2(-17438),Id1(+1405)</i>	N/A
Chr2	152739324	152739489	Chr2:168638	<i>Cox4i2(-15687),Id1(+3156)</i>	N/A
Chr2	152780845	152780983	Chr2:168665	<i>Cox4i2(+25820),Bcl2i1(+49752)</i>	N/A
Chr2	152781923	152782070	Chr2:168672	<i>Cox4i2(+26903),Bcl2i1(+48669)</i>	N/A
Chr2	152785545	152785683	Chr2:168678	<i>Cox4i2(+30520),Bcl2i1(+45052)</i>	N/A
Chr2	152785627	152786005	Chr2:168681	<i>Cox4i2(+30822),Bcl2i1(+44759)</i>	N/A
Chr2	152788826	152789092	Chr2:168685	<i>Cox4i2(+33865),Bcl2i1(+41707)</i>	N/A
Chr2	152789604	152789735	Chr2:168696	<i>Cox4i2(+34576),Bcl2i1(+40996)</i>	N/A
Chr2	152794292	152794466	Chr2:168703	<i>Bcl2i1(+36287),Cox4i2(+39285)</i>	N/A
Chr2	152794681	152794823	Chr2:168707	<i>Bcl2i1(+35914),Cox4i2(+39658)</i>	N/A
Chr2	152804411	152804583	Chr2:168708	<i>Bcl2i1(+26169),Cox4i2(+49403)</i>	N/A
Chr2	152804627	152804933	Chr2:168711	<i>Bcl2i1(+25886),Cox4i2(+49586)</i>	N/A
Chr2	152810277	152810455	Chr2:168716	<i>Bcl2i1(+20300),Cox4i2(+55272)</i>	N/A
Chr2	152811477	152811604	Chr2:168718	<i>Bcl2i1(+19125),Cox4i2(+56447)</i>	N/A
Chr2	152811693	152811799	Chr2:168720	<i>Bcl2i1(+18920),Cox4i2(+56652)</i>	N/A
Chr2	152816270	152816491	Chr2:168732	<i>Bcl2i1(+14285),Cox4i2(+61287)</i>	N/A
Chr2	152816654	152816822	Chr2:168735	<i>Bcl2i1(+13926),Cox4i2(+61644)</i>	N/A
Chr2	152820273	152820388	Chr2:168741	<i>Bcl2i1(+10335),Cox4i2(+65237)</i>	N/A
Chr2	152820437	152820700	Chr2:168742	<i>Bcl2i1(+10097),Cox4i2(+65475)</i>	N/A
Chr2	152821067	152821284	Chr2:168744	<i>Bcl2i1(+9490),Cox4i2(+66082)</i>	N/A
Chr2	152825811	152825942	Chr2:168756	<i>Bcl2i1(+4789),Cox4i2(+70783)</i>	N/A
Chr2	152826265	152826461	Chr2:168757	<i>Bcl2i1(+4283),Cox4i2(+71279)</i>	N/A
Chr2	152828206	152828307	Chr2:168766	<i>Bcl2i1(+2409),Cox4i2(+73163)</i>	N/A
Chr2	152828713	152828856	Chr2:168769	<i>Bcl2i1(+1881),Cox4i2(+73691)</i>	N/A
Chr2	152830513	152830732	Chr2:168784	<i>Bcl2i1(+43)</i>	N/A
Chr2	152831239	152831526	Chr2:168791	<i>Bcl2i1(-717)</i>	N/A
Chr2	152831622	152831740	Chr2:168796	<i>Bcl2i1(-1015)</i>	N/A
Chr2	152905531	152905721	Chr2:168877	<i>Myk2(-5726),Tpr2(+57662)</i>	N/A
Chr2	152914287	152914305	Chr2:168905	<i>Myk2(-2989),Foxs1(+18867)</i>	N/A
Chr2	152914494	152914610	Chr2:168908	<i>Myk2(-3200),Foxs1(+18656)</i>	N/A
Chr2	152924281	152924382	Chr2:168955	<i>Foxs1(+8876),Myk2(+12980)</i>	N/A
Chr2	152925617	152925839	Chr2:168958	<i>Foxs1(+7480),Myk2(+14376)</i>	N/A
Chr2	152956561	152956681	Chr2:169025	<i>Tfrr9(+23246),Prlg1(+29675)</i>	N/A
Chr2	153036785	153036965	Chr2:169110	<i>Ccm2(-29131),Xkr7(+5019)</i>	N/A
Chr2	153045954	153046221	Chr2:169115	<i>Ccm2(-19914),Xkr7(+14236)</i>	N/A
Chr2	153049408	153049648	Chr2:169121	<i>Ccm2(-16474),Xkr7(+17676)</i>	N/A
Chr2	153161511	153161811	Chr2:169310	<i>Tm9sf4(+268)</i>	N/A
Chr2	153167113	153167296	Chr2:169319	<i>Tm9sf4(+5502),Tspy3(+58236)</i>	N/A
Chr2	153229396	153229726	Chr2:169424	<i>Tspy3(+120)</i>	N/A
Chr2	153229786	153229974	Chr2:169428	<i>Tspy3(-4439)</i>	N/A
Chr2	153230499	153230627	Chr2:169436	<i>Tspy3(-5122),Ptagl2(+7345)</i>	N/A
Chr2	153237298	153237803	Chr2:169470	<i>Pofut1(-3982),Ptagl2(+357)</i>	N/A
Chr2	153237855	153238218	Chr2:169480	<i>Pofut1(-3496),Ptagl2(-129)</i>	N/A
Chr2	153238448	153238697	Chr2:169485	<i>Pofut1(-2960),Ptagl2(-665)</i>	N/A
Chr2	153239170	153239337	Chr2:169491	<i>Pofut1(-2279),Ptagl2(-1346)</i>	N/A
Chr2	153239491	153239709	Chr2:169493	<i>Pofut1(-1933),Ptagl2(-1692)</i>	N/A
Chr2	153239897	153240114	Chr2:169496	<i>Ptagl2(-2098),Pofut1(-1527)</i>	N/A
Chr2	153240848	153240971	Chr2:169498	<i>Ptagl2(-3002),Pofut1(-623)</i>	N/A
Chr2	153297978	153298099	Chr2:169579	<i>Asx1(-47806),Klf3b(+6626)</i>	N/A
Chr2	153308836	153309030	Chr2:169580	<i>Asx1(-38912),Klf3b(+7520)</i>	N/A
Chr2	153331303	153331413	Chr2:169660	<i>Asx1(-14467),Klf3b(+30945)</i>	N/A

Chr2	153345683	153345798	Chr2.169697	<i>Asx1(-104)</i>	N/A
Chr2	153347979	153348083	Chr2.169707	<i>4930404h24nk(-144759),Asx1(+2186)</i>	N/A
Chr2	153407596	153407957	Chr2.169803	<i>4930404h24nk(-85013),Asx1(+61932)</i>	N/A
Chr2	153408394	153408512	Chr2.169805	<i>4930404h24nk(-94337),Asx1(+62609)</i>	N/A
Chr2	153410204	153410506	Chr2.169815	<i>4930404h24nk(-82435),Asx1(+64510)</i>	N/A
Chr2	153410766	153410876	Chr2.169820	<i>4930404h24nk(-81969),Asx1(+64976)</i>	N/A
Chr2	153422156	153422334	Chr2.169863	<i>4930404h24nk(-70545),Asx1(+76400)</i>	N/A
Chr2	153425592	153425705	Chr2.169869	<i>4930404h24nk(-67141),Asx1(+79804)</i>	N/A
Chr2	153426043	153426272	Chr2.169872	<i>4930404h24nk(-66632),Asx1(+80313)</i>	N/A
Chr2	153432723	153432839	Chr2.169885	<i>4930404h24nk(-60098),Asx1(+86936)</i>	N/A
Chr2	153435405	153435587	Chr2.169891	<i>4930404h24nk(-57294),Asx1(+89651)</i>	N/A
Chr2	153435659	153436662	Chr2.169896	<i>4930404h24nk(-56204),Asx1(+90741)</i>	N/A
Chr2	153436879	153437039	Chr2.169902	<i>4930404h24nk(-55831),Asx1(+91114)</i>	N/A
Chr2	153441220	153441461	Chr2.169907	<i>4930404h24nk(-51449),Asx1(+95496)</i>	N/A
Chr2	153443009	153443408	Chr2.169920	<i>4930404h24nk(-49581),Asx1(+97364)</i>	N/A
Chr2	153446196	153446338	Chr2.169928	<i>4930404h24nk(-46523),Asx1(+100422)</i>	N/A
Chr2	153446677	153446841	Chr2.169930	<i>4930404h24nk(-46031),Asx1(+100914)</i>	N/A
Chr2	153457561	153457710	Chr2.169934	<i>4930404h24nk(-35154),Asx1(+111791)</i>	N/A
Chr2	153470231	153470379	Chr2.169941	<i>4930404h24nk(-22485),Asx1(+124460)</i>	N/A
Chr2	153473031	153473168	Chr2.169963	<i>4930404h24nk(-13690),Asx1(+132355)</i>	N/A
Chr2	153480317	153480530	Chr2.169964	<i>4930404h24nk(-12366),Asx1(+134579)</i>	N/A
Chr2	153491645	153491796	Chr2.169998	<i>4930404h24nk(-1069)</i>	N/A
Chr2	153494060	153494187	Chr2.170001	<i>4930404h24nk(+1334),Nol4(+35847)</i>	N/A
Chr2	153494248	153494720	Chr2.170003	<i>4930404h24nk(+1694),Nol4(+35487)</i>	N/A
Chr2	153495861	153496023	Chr2.170012	<i>4930404h24nk(+3152),Nol4(+34029)</i>	N/A
Chr2	153496981	153497494	Chr2.170015	<i>4930404h24nk(+4448),Nol4(+32133)</i>	N/A
Chr2	153509325	153509548	Chr2.170021	<i>4930404h24nk(+16647),Nol4(+20534)</i>	N/A
Chr2	153526774	153527033	Chr2.170039	<i>Nol4(+3067),4930404h24nk(+34114)</i>	N/A
Chr2	153527071	153527188	Chr2.170042	<i>Nol4(+2841),4930404h24nk(+34340)</i>	N/A
Chr2	153548201	153548372	Chr2.170052	<i>Nol4(-18316),CommD(+84494)</i>	N/A
Chr2	153608063	153608941	Chr2.170100	<i>Mapr1(-80402),Drm2(+11418)</i>	N/A
Chr2	21918494	21918650	Chr2.170114	<i>Myo3a(-30893),Gpr158(+55103)</i>	N/A
Chr2	21958607	21958789	Chr2.17027	<i>Myo3a(-26805),Gpr158(+591156)</i>	N/A
Chr2	153743373	153743516	Chr2.170271	<i>Efcab8(-37434),Mapr1(+2171)</i>	N/A
Chr2	153768395	153768611	Chr2.170307	<i>Efcab8(-12376),Mapr1(+27229)</i>	N/A
Chr2	21964116	21964353	Chr2.17033	<i>Myo3a(-26326),Gpr158(+596693)</i>	N/A
Chr2	153810869	153811012	Chr2.170352	<i>Efcab8(-3062),Sun5(+60143)</i>	N/A
Chr2	153918251	153918450	Chr2.170544	<i>Bplfb3(+121)</i>	N/A
Chr2	154376406	154376663	Chr2.170809	<i>Cdk5rap1(-3525)</i>	N/A
Chr2	154390220	154390400	Chr2.170847	<i>Cdk5rap1(-17300),Snta1(+17789)</i>	N/A
Chr2	154399483	154399595	Chr2.170852	<i>Cdk5rap1(-26529),Snta1(+8560)</i>	N/A
Chr2	154419894	154420033	Chr2.170871	<i>Cbfa2d2(-16331),Snta1(-11865)</i>	N/A
Chr2	154421294	154421459	Chr2.170874	<i>Cbfa2d2(-15118),Snta1(-13278)</i>	N/A
Chr2	154421489	154421767	Chr2.170877	<i>Cbfa2d2(-14867),Snta1(-13529)</i>	N/A
Chr2	154440898	154441182	Chr2.170900	<i>1700003f12nk(-107848),Cbfa2d2(+4545)</i>	N/A
Chr2	154455086	154454949	Chr2.170907	<i>1700003f12nk(-94111),Cbfa2d2(+18282)</i>	N/A
Chr2	154460074	154459984	Chr2.170918	<i>1700003f12nk(-89033),Cbfa2d2(+23340)</i>	N/A
Chr2	154465909	154460284	Chr2.170920	<i>1700003f12nk(-88719),Cbfa2d2(+236174)</i>	N/A
Chr2	154466447	15446416	Chr2.170934	<i>1700003f12nk(-82725),Cbfa2d2(+29668)</i>	N/A
Chr2	154491933	154466612	Chr2.170939	<i>1700003f12nk(-82358),Cbfa2d2(+30035)</i>	N/A
Chr2	154498623	154492119	Chr2.170957	<i>1700003f12nk(-56862),Cbfa2d2(+55531)</i>	N/A
Chr2	154559758	154490011	Chr2.170960	<i>1700003f12nk(-50071),Cbfa2d2(+62322)</i>	N/A
Chr2	154559907	154559955	Chr2.171111	<i>Necab3(-991)</i>	N/A
Chr2	154568801	154560108	Chr2.171115	<i>Necab3(-11187)</i>	N/A
Chr2	154577394	154569014	Chr2.171155	<i>E2f1(+584)</i>	N/A
Chr2	154584037	154577498	Chr2.171166	<i>E2f1(-7554),Pxmp4(+26262)</i>	N/A
Chr2	154656810	154584150	Chr2.171171	<i>E2f1(-14202),Pxmp4(+19614)</i>	N/A
Chr2	154656810	154569914	Chr2.171281	<i>Chmp4b(-156)</i>	N/A
Chr2	154677946	154678069	Chr2.171312	<i>C130057n11nk(-113125),Chmp4b(+20990)</i>	N/A
Chr2	154683138	154683309	Chr2.171314	<i>C130057n11nk(-107909),Chmp4b(+26306)</i>	N/A
Chr2	154694078	154694319	Chr2.171331	<i>C130057n11nk(-96934),Chmp4b(+37181)</i>	N/A
Chr2	154708090	154708303	Chr2.171341	<i>C130057n11nk(-82936),Chmp4b(+51179)</i>	N/A
Chr2	154735067	154735282	Chr2.171368	<i>C130057n11nk(-55958),Chmp4b(+78157)</i>	N/A
Chr2	154763539	154763721	Chr2.171378	<i>C130057n11nk(-27503),Chmp4b(+106612)</i>	N/A
Chr2	154782621	154783055	Chr2.171383	<i>C130057n11nk(-8145),Chmp4b(+125970)</i>	N/A
Chr2	154791303	154791413	Chr2.171388	<i>C130057n11nk(+225)</i>	N/A
Chr2	154810992	154811206	Chr2.171422	<i>C130057n11nk(+19966),Elf2a2(+81836)</i>	N/A
Chr2	154817229	154817430	Chr2.171425	<i>C130057n11nk(+26197),Elf2a2(+75605)</i>	N/A
Chr2	154834308	154834411	Chr2.171447	<i>C130057n11nk(+43227),Elf2a2(+58575)</i>	N/A
Chr2	154860834	154860893	Chr2.171471	<i>Elf2a2(-32049),C130057n11nk(+69753)</i>	N/A
Chr2	154892799	154892898	Chr2.171519	<i>Elf2a2(-468)</i>	N/A
Chr2	155052763	155052929	Chr2.171551	<i>Ahcy(+21651),Gm14226(+34580)</i>	N/A
Chr2	155133431	155133600	Chr2.171601	<i>Itch(-43)</i>	N/A
Chr2	155134115	155134235	Chr2.171606	<i>Itch(+616)</i>	N/A
Chr2	155276418	155276517	Chr2.171715	<i>Map1lc3a(+1771)</i>	N/A
Chr2	155382136	155382287	Chr2.171805	<i>Trp53inp2(-388)</i>	N/A
Chr2	155383160	155383400	Chr2.171812	<i>Trp53inp2(-1466),Ncoa6(+90526)</i>	N/A
Chr2	155472654	155472782	Chr2.171984	<i>Ncoa6(+1088),Trp53inp2(+90904)</i>	N/A
Chr2	155513643	155513809	Chr2.172060	<i>Acsa2(-4222),Ggt7(+1122)</i>	N/A
Chr2	155605074	155605202	Chr2.172221	<i>Gss(-12328),Myh7b(-6074)</i>	N/A
Chr2	155606418	155606570	Chr2.172222	<i>Myh7b(-4718)</i>	N/A
Chr2	155711558	155711295	Chr2.172571	<i>Procr(+110)</i>	N/A
Chr2	155816480	155816868	Chr2.172684	<i>Elf6(+10251),Mmp24(+41332)</i>	N/A
Chr2	155817580	155817720	Chr2.172692	<i>Elf6(+9275),Mmp24(+42308)</i>	N/A
Chr2	155817884	155818331	Chr2.172693	<i>Elf6(+8817),Mmp24(+42766)</i>	N/A
Chr2	155834871	155834971	Chr2.172774	<i>Fam83c(-67)</i>	N/A
Chr2	155835346	155835815	Chr2.172803	<i>Fam83c(-1887),Uqcq1(+78579)</i>	N/A
Chr2	155862532	155862647	Chr2.172810	<i>Fam83c(-27736),Uqcq1(+67720)</i>	N/A
Chr2	155863177	155863457	Chr2.172812	<i>Fam83c(-28463),Uqcq1(+66993)</i>	N/A
Chr2	155863530	155863700	Chr2.172813	<i>Fam83c(-28761),Uqcq1(+66695)</i>	N/A
Chr2	155873041	155873409	Chr2.172825	<i>Fam83c(-38371),Uqcq1(+57085)</i>	N/A
Chr2	155882928	155883265	Chr2.172837	<i>Fam83c(-46243),Uqcq1(+47213)</i>	N/A
Chr2	155883568	155883733	Chr2.172841	<i>Fam83c(-48797),Uqcq1(+46659)</i>	N/A
Chr2	155896822	155900061	Chr2.172891	<i>Fam83c(-65088),Uqcq1(+30368)</i>	N/A
Chr2	155900563	155901121	Chr2.172870	<i>Fam83c(-65988),Uqcq1(+29468)</i>	N/A
Chr2	155903351	155903480	Chr2.172876	<i>Fam83c(-68562),Uqcq1(+26894)</i>	N/A
Chr2	155939777	155940098	Chr2.172901	<i>Gm15557(-790)</i>	N/A
Chr2	155943368	155943582	Chr2.172936	<i>Gdfr(+1892),Gm15557(+2747)</i>	N/A
Chr2	155945187	155945302	Chr2.172943	<i>Gdfr(+77)</i>	N/A
Chr2	155945596	155945830	Chr2.172944	<i>Gdfr(-346)</i>	N/A
Chr2	155949448	155949702	Chr2.172951	<i>Gdfr(-4208)</i>	N/A
Chr2	156091758	156091899	Chr2.173441	<i>Cpne1(+20114),Spag4(+26585)</i>	N/A
Chr2	156111662	156111972	Chr2.173493	<i>Cpne1(+128),Rbm12(+139)</i>	N/A
Chr2	156147489	156147650	Chr2.173536	<i>Nfs1(-3384)</i>	N/A
Chr2	156177626	156178430	Chr2.173579	<i>Nfs1(-33842),Rbm39(+2210)</i>	N/A
Chr2	156178684	156179242	Chr2.173583	<i>Nfs1(-34777),Rbm39(+1275)</i>	N/A
Chr2	156179531	156179636	Chr2.173587	<i>Rbm39(+654)</i>	N/A
Chr2	156179946	156180073	Chr2.173589	<i>Rbm39(+228)</i>	N/A
Chr2	156180134	156180242	Chr2.173591	<i>Rbm39(+50)</i>	N/A
Chr2	156196970	156197122	Chr2.173603	<i>Phf20(+404)</i>	N/A
Chr2	156200021	156200131	Chr2.173610	<i>Cnbd2(-112223),Phf20(+3434)</i>	N/A
Chr2	156200167	156200305	Chr2.173612	<i>Cnbd2(-112063),Phf20(+3594)</i>	N/A
Chr2	156203204	156203386	Chr2.173615	<i>Cnbd2(-109004),Phf20(+6653)</i>	N/A
Chr2	156380222	156380333	Chr2.173764	<i>Scamr1(-67575),Epb411(-40630)</i>	N/A
Chr2	156407028	156407199	Chr2.173785	<i>Scamr1(-94140),Epb411(-13795)</i>	N/A
Chr2	156421601	156421777	Chr2.173794	<i>Epb411(+780)</i>	N/A
Chr2	156422485	156422628	Chr2.173802	<i>Aar2(-125039),Epb411(+1648)</i>	N/A
Chr2	156422748	156422866	Chr2.173806	<i>Aar2(-124789),Epb411(+1898)</i>	N/A
Chr2	156440236	156440416	Chr2.173824	<i>Aar2(-107270),Epb411(+19417)</i>	N/A
Chr2	156457394	156457551	Chr2.173839	<i>Aar2(-90123),Epb411(+36564)</i>	N/A
Chr2	156462355	156462517	Chr2.173841	<i>Aar2(-85160),Epb411(+15257)</i>	N/A
Chr2	156467518	156467794	Chr2.173854	<i>Aar2(-79942),Epb411(+46747)</i>	N/A
Chr2	156477037	156477210	Chr2.173871	<i>Aar2(-70472),Epb411(+56215)</i>	N/A
Chr2	156497172	156497318	Chr2.173900	<i>Aar2(-50351),Epb411(+76336)</i>	N/A
Chr2	156517650	156517776	Chr2.173939	<i>Aar2(-28883),Epb411(+96804)</i>	N/A
Chr2	156523471	156523578	Chr2.173963	<i>Aar2(-34071),Epb411(+102616)</i>	N/A
Chr2	156523623	156523759	Chr2.173969	<i>Aar2(-23805),Epb411(+102782)</i>	N/A
Chr2	156524489	156524645	Chr2.173976	<i>Aar2(-23029),Epb411(+103658)</i>	N/A
Chr2	156539999	156540111	Chr2.174027	<i>Aar2(-7541),Epb411(+119146)</i>	N/A
Chr2	156543108	156543217	Chr2.174037	<i>Aar2(-4433)</i>	N/A
Chr2	156556926	156557220	Chr2.174071	<i>Dlgap4(-56532),Aar2(+9477)</i>	N/A
Chr2	156560664	156560687	Chr2.174080	<i>Dlgap4(-46529),Aar2(+19180)</i>	N/A
Chr2	156585165	156585311	Chr2.174105	<i>Dlgap4(-28467),Aar2(+37642)</i>	N/A
Chr2	156614259	156614461	Chr2.174110	<i>Dlgap4(+655)</i>	N/A
Chr2	156617718	156617874	Chr2.174123	<i>Myf9(-157624),Dlgap4(+4091)</i>	N/A
Chr2	156664643	156666594	Chr2.174162	<i>Myf9(-10898),Dlgap4(+52819)</i>	N/A
Chr2	156678191	156678294	Chr2.174172	<i>Myf9(-91777),Dlgap4(+64538)</i>	N/A
Chr2	156681788	156681902	Chr2.174177	<i>Myf9(-92575),Dlgap4(+68140)</i>	N/A

Chr2		156691912	156692074	Chr2.174188	<i>Myf9(-83427),Dlgap4(+78288)</i>	N/A
Chr2		156697397	156697536	Chr2.174195	<i>Myf9(-77953),Dlgap4(+83762)</i>	N/A
Chr2		156717454	156717555	Chr2.174242	<i>Myf9(-57915),Dlgap4(+103800)</i>	N/A
Chr2		156721995	156722205	Chr2.174248	<i>Myf9(-53322),Dlgap4(+108395)</i>	N/A
Chr2		156722306	156722569	Chr2.174250	<i>Myf9(-52982),Dlgap4(+108733)</i>	N/A
Chr2		156726375	156726557	Chr2.174256	<i>Myf9(-48954),Dlgap4(+112761)</i>	N/A
Chr2		156728753	156728854	Chr2.174261	<i>Myf9(-46616),Dlgap4(+115099)</i>	N/A
Chr2		156730814	156730958	Chr2.174263	<i>Myf9(-44534),Dlgap4(+117181)</i>	N/A
Chr2		156735251	156735370	Chr2.174267	<i>Myf9(-40109),Dlgap4(+121606)</i>	N/A
Chr2		156763694	156763884	Chr2.174334	<i>Myf9(-11631),Dlgap4(+150064)</i>	N/A
Chr2		156840872	156841006	Chr2.174362	<i>Tgfr2(+862)</i>	N/A
Chr2		156841248	156841408	Chr2.174365	<i>Tgfr2(+1251),493051815rik(+16618)</i>	N/A
Chr2		156841994	156842246	Chr2.174371	<i>Tgfr2(+2043),493051815rik(+15826)</i>	N/A
Chr2		156858812	156858915	Chr2.174395	<i>Rab5lf(-4264),493051815rik(-918)</i>	N/A
Chr2		156863974	156864135	Chr2.174399	<i>Rab5lf(+927)</i>	N/A
Chr2		156887216	156887332	Chr2.174446	<i>Sla2(-196)</i>	N/A
Chr2		156915265	156915395	Chr2.174459	<i>Sla2(-28252),Ndr3(+76713)</i>	N/A
Chr2		156929816	156930061	Chr2.174474	<i>Sla2(-42861),Ndr3(+62104)</i>	N/A
Chr2		156990837	156990938	Chr2.174527	<i>Sla2(-103810),Ndr3(+1155)</i>	N/A
Chr2		157010435	157010603	Chr2.174558	<i>Dan1(-3365)</i>	N/A
Chr2		157054999	157055116	Chr2.174714	<i>Dan1(-47904),Soga1(+24196)</i>	N/A
Chr2		157069485	157069604	Chr2.174727	<i>Dan1(-62391),Soga1(+9709)</i>	N/A
Chr2		157077658	157077831	Chr2.174732	<i>Dan1(-70591),Soga1(+1509)</i>	N/A
Chr2		157296421	157296689	Chr2.175012	<i>Mroh8(-17006),Ghrh(+50100)</i>	N/A
Chr2		157330626	157330641	Chr2.175038	<i>Mroh8(-26772),Ghrh(+40334)</i>	N/A
Chr2		157339422	157339554	Chr2.175043	<i>Mroh8(-28939),Ghrh(+38167)</i>	N/A
Chr2		157314410	157314553	Chr2.175052	<i>Mroh8(-34933),Ghrh(+32173)</i>	N/A
Chr2		157315609	157315741	Chr2.175056	<i>Mroh8(-36126),Ghrh(+30980)</i>	N/A
Chr2		157320090	157320528	Chr2.175069	<i>Mroh8(-40760),Ghrh(+26346)</i>	N/A
Chr2		157340277	157340380	Chr2.175112	<i>Mroh8(-60780),Ghrh(+6326)</i>	N/A
Chr2		157349564	157349666	Chr2.175127	<i>Ghrh(-2600)</i>	N/A
Chr2		157385127	157383365	Chr2.175141	<i>Src(-3947),Mnab(+17652)</i>	N/A
Chr2		157436687	157436821	Chr2.175166	<i>Nnat(-123356),Src(+12461)</i>	N/A
Chr2		157461880	157461981	Chr2.175184	<i>Nnat(-98179),Src(+37638)</i>	N/A
Chr2		157540906	157541084	Chr2.175259	<i>Nnat(-19115),Src(+116702)</i>	N/A
Chr2		157554913	157555016	Chr2.175275	<i>Nnat(-5145),Src(+130672)</i>	N/A
Chr2		157555653	157555174	Chr2.175277	<i>Nnat(-4046)</i>	N/A
Chr2		157556211	157556517	Chr2.175278	<i>Nnat(-3746)</i>	N/A
Chr2		157556580	157556941	Chr2.175282	<i>Nnat(-3349)</i>	N/A
Chr2		157557015	157557149	Chr2.175288	<i>Nnat(-3028)</i>	N/A
Chr2		157557183	157557497	Chr2.175291	<i>Nnat(-2770)</i>	N/A
Chr2		157558599	157558718	Chr2.175301	<i>Nnat(-1451)</i>	N/A
Chr2		157559884	157560288	Chr2.175305	<i>Nnat(-24)</i>	N/A
Chr2		157561129	157561386	Chr2.175320	<i>Nnat(+1148),Bicap(+5103)</i>	N/A
Chr2		157561884	157562095	Chr2.175326	<i>Nnat(+1880),Bicap(+4371)</i>	N/A
Chr2		157563230	157563380	Chr2.175330	<i>Bicap(+3056),Nnat(+3195)</i>	N/A
Chr2		157564995	157565239	Chr2.175338	<i>Bicap(+1244),Nnat(+5007)</i>	N/A
Chr2		157565340	157565494	Chr2.175341	<i>Bicap(+944)</i>	N/A
Chr2		157566230	157566382	Chr2.175346	<i>Bicap(+55)</i>	N/A
Chr2		157607574	157607843	Chr2.175350	<i>Ctnnb1(-129692),Bicap(-41348)</i>	N/A
Chr2		157668822	157668935	Chr2.175379	<i>Bicap(-102518),Ctnnb1(-68522)</i>	N/A
Chr2		157691527	157691637	Chr2.175388	<i>Bicap(-125221),Ctnnb1(-45819)</i>	N/A
Chr2		157692550	157692698	Chr2.175389	<i>Bicap(-126257),Ctnnb1(-44763)</i>	N/A
Chr2		157698472	157698577	Chr2.175397	<i>Bicap(-30164),Ctnnb1(-40876)</i>	N/A
Chr2		157705179	157705409	Chr2.175407	<i>Bicap(-138933),Ctnnb1(-32107)</i>	N/A
Chr2		157705518	157705744	Chr2.175413	<i>Bicap(-139270),Ctnnb1(-31770)</i>	N/A
Chr2		157715824	157716070	Chr2.175415	<i>Bicap(-149586),Ctnnb1(-21454)</i>	N/A
Chr2		157724290	157724620	Chr2.175421	<i>Bicap(-158094),Ctnnb1(-12946)</i>	N/A
Chr2		157751116	157751226	Chr2.175450	<i>Vstm2(-163492),Ctnnb1(+13770)</i>	N/A
Chr2		157751777	157752168	Chr2.175452	<i>Vstm2(-162680),Ctnnb1(+14572)</i>	N/A
Chr2		157752252	157752484	Chr2.175455	<i>Vstm2(-162285),Ctnnb1(+14967)</i>	N/A
Chr2		157766610	157767056	Chr2.175481	<i>Vstm2(-147820),Ctnnb1(+29432)</i>	N/A
Chr2		157768609	157769071	Chr2.175485	<i>Vstm2(-145813),Ctnnb1(+31439)</i>	N/A
Chr2		157769371	157769557	Chr2.175489	<i>Vstm2(-145189),Ctnnb1(+32063)</i>	N/A
Chr2		157780721	157780924	Chr2.175521	<i>Vstm2(-125830),Ctnnb1(+51422)</i>	N/A
Chr2		157793943	157794019	Chr2.175548	<i>Vstm2(-120722),Ctnnb1(+56530)</i>	N/A
Chr2		22980605	22986307	Chr2.17557	<i>Abi1(+53396),Pdss1(+90664)</i>	N/A
Chr2		157801185	157801538	Chr2.175570	<i>Vstm2(-113291),Ctnnb1(+63961)</i>	N/A
Chr2		157801734	157801997	Chr2.175578	<i>Vstm2(-112787),Ctnnb1(+64465)</i>	N/A
Chr2		157804386	157804459	Chr2.175584	<i>Vstm2(-110154),Ctnnb1(+67096)</i>	N/A
Chr2		157805048	157805208	Chr2.175591	<i>Vstm2(-109526),Ctnnb1(+67726)</i>	N/A
Chr2		157818568	157818820	Chr2.175631	<i>Vstm2(-95569),Ctnnb1(+81293)</i>	N/A
Chr2		157821381	157821607	Chr2.175639	<i>Vstm2(-93159),Ctnnb1(+84093)</i>	N/A
Chr2		157836847	157837201	Chr2.175663	<i>Vstm2(-77629),Ctnnb1(+99623)</i>	N/A
Chr2		157838458	157838636	Chr2.175670	<i>Vstm2(-76104),Ctnnb1(+101148)</i>	N/A
Chr2		157844034	157845033	Chr2.175677	<i>Vstm2(-69689),Ctnnb1(+107593)</i>	N/A
Chr2		157853440	157853602	Chr2.175688	<i>Vstm2(-61132),Ctnnb1(+116120)</i>	N/A
Chr2		157870512	157870611	Chr2.175728	<i>Vstm2(-44091),Ctnnb1(+133161)</i>	N/A
Chr2		157875212	157875365	Chr2.175741	<i>Vstm2(-39364),Ctnnb1(+137888)</i>	N/A
Chr2		157875412	157875675	Chr2.175743	<i>Vstm2(-39109),Ctnnb1(+138143)</i>	N/A
Chr2		157882022	157882182	Chr2.175763	<i>Vstm2(-32551),Ctnnb1(+144701)</i>	N/A
Chr2		157887836	157887913	Chr2.175771	<i>Vstm2(-26578),Ctnnb1(+150376)</i>	N/A
Chr2		157889951	157889101	Chr2.175782	<i>Vstm2(-25627),Ctnnb1(+151625)</i>	N/A
Chr2		157893767	157893902	Chr2.175788	<i>Vstm2(-20818),Ctnnb1(+156434)</i>	N/A
Chr2		23068179	23068319	Chr2.17582	<i>Acbd5(-823)</i>	N/A
Chr2		157923412	157923590	Chr2.175843	<i>Vstm2(-18848),Tb1(+104932)</i>	N/A
Chr2		157923744	157923868	Chr2.175848	<i>Vstm2(-15153),Tb1(+98627)</i>	N/A
Chr2		157944544	157944741	Chr2.175877	<i>Vstm2(+29990),Tb1(+83790)</i>	N/A
Chr2		157974670	157974806	Chr2.175893	<i>Tb1(+53695),Vstm2(+60085)</i>	N/A
Chr2		157974958	157975117	Chr2.175895	<i>Tb1(+53395),Vstm2(+60385)</i>	N/A
Chr2		157975164	157975645	Chr2.175897	<i>Tb1(+53028),Vstm2(+60752)</i>	N/A
Chr2		157985526	157986834	Chr2.175954	<i>Tb1(+39753),Vstm2(+74027)</i>	N/A
Chr2		157991114	157991232	Chr2.175960	<i>Tb1(+37260),Vstm2(+76520)</i>	N/A
Chr2		158028358	158028543	Chr2.176008	<i>Rprd1b(-46),Tb1(-18)</i>	N/A
Chr2		158059829	158060137	Chr2.176118	<i>Rprd1b(+31486),Tgm2(+86453)</i>	N/A
Chr2		158064811	158064935	Chr2.176124	<i>Rprd1b(+36376),Tgm2(+81563)</i>	N/A
Chr2		158066530	158066652	Chr2.176129	<i>Rprd1b(+38094),Tgm2(+7845)</i>	N/A
Chr2		158071226	158071381	Chr2.176139	<i>Rprd1b(+42812),Tgm2(+75127)</i>	N/A
Chr2		158076104	158076272	Chr2.176156	<i>Rprd1b(+47691),Tgm2(+70246)</i>	N/A
Chr2		158076780	158076918	Chr2.176161	<i>Rprd1b(+48352),Tgm2(+69587)</i>	N/A
Chr2		158182005	158182224	Chr2.176309	<i>Tgm2(-35679),1700060c20rik(-9894)</i>	N/A
Chr2		158222854	158222954	Chr2.176413	<i>D630003m21rik(+6318),1700060c20rik(+30895)</i>	N/A
Chr2		158359797	158359928	Chr2.176528	<i>Snhg11(-15775),Lbp(-53370)</i>	N/A
Chr2		158379533	158379666	Chr2.176538	<i>Ralgapb(-30253),Snhg11(+3962)</i>	N/A
Chr2		158409676	158409775	Chr2.176547	<i>Ralgapb(-127)</i>	N/A
Chr2		158409818	158409944	Chr2.176551	<i>Ralgapb(+28)</i>	N/A
Chr2		158561541	158561676	Chr2.176760	<i>Slc32a1(-49158),Arrgap40(+48813)</i>	N/A
Chr2		158580109	158580317	Chr2.176778	<i>Slc32a1(-30554),Arrgap40(+67417)</i>	N/A
Chr2		158589869	158589843	Chr2.176789	<i>Slc32a1(-21801),Arrgap40(+76170)</i>	N/A
Chr2		158602806	158602934	Chr2.176804	<i>Slc32a1(-75971),Arrgap40(+90074)</i>	N/A
Chr2		158665391	158665545	Chr2.176893	<i>Ppp1r16b(+70)</i>	N/A
Chr2		158666234	158666347	Chr2.176894	<i>Ppp1r16b(+893)</i>	N/A
Chr2		158668250	158668409	Chr2.176901	<i>Fam83d(-99763),Ppp1r16b(+2932)</i>	N/A
Chr2		158688034	158688302	Chr2.176928	<i>Fam83d(-79925),Ppp1r16b(+22770)</i>	N/A
Chr2		158689744	158689996	Chr2.176935	<i>Fam83d(-78223),Ppp1r16b(+44472)</i>	N/A
Chr2		158712268	158712463	Chr2.176953	<i>Fam83d(-55727),Ppp1r16b(+46958)</i>	N/A
Chr2		158714900	158715114	Chr2.176958	<i>Fam83d(-53086),Ppp1r16b(+49609)</i>	N/A
Chr2		158731100	158731206	Chr2.176977	<i>Fam83d(-36940),Ppp1r16b(+65755)</i>	N/A
Chr2		158733236	158733359	Chr2.176979	<i>Fam83d(-34795),Ppp1r16b(+67900)</i>	N/A
Chr2		158734735	158734836	Chr2.176981	<i>Fam83d(-33307),Ppp1r16b(+69388)</i>	N/A
Chr2		158696999	158870229	Chr2.177178	<i>Dhx35(-75057)</i>	N/A
Chr2		158982469	158982584	Chr2.177254	<i>Dhx35(+187720)</i>	N/A
Chr2		159002780	159003144	Chr2.177275	<i>Dhx35(+208155)</i>	N/A
Chr2		159020182	159020329	Chr2.177293	<i>Dhx35(+225449)</i>	N/A
Chr2		159069304	159069537	Chr2.177335	<i>Dhx35(+274614)</i>	N/A
Chr2		159081181	159081315	Chr2.177341	<i>Dhx35(+286441)</i>	N/A
Chr2		159096538	159096706	Chr2.177360	<i>Dhx35(+301815)</i>	N/A
Chr2		159234915	159235182	Chr2.177491	<i>Dhx35(+440242)</i>	N/A
Chr2		159241308	159241496	Chr2.177499	<i>Dhx35(+446595)</i>	N/A
Chr2		159241938	159242177	Chr2.177505	<i>Dhx35(+447251)</i>	N/A
Chr2		159250173	159250442	Chr2.177512	<i>Dhx35(+465507)</i>	N/A
Chr2		159270642	159270802	Chr2.177527	<i>Dhx35(+475915)</i>	N/A
Chr2		159309888	159301060	Chr2.177589	<i>Dhx35(+515217)</i>	N/A
Chr2		159344222	159344546	Chr2.177619	<i>Dhx35(+549577),Gm826(+983110)</i>	N/A
Chr2		159428234	159428371	Chr2.177705	<i>Dhx35(+633496),Gm826(+899191)</i>	N/A
Chr2		159481388	159481691	Chr2.177748	<i>Dhx35(+688733),Gm826(+849554)</i>	N/A
Chr2		159481801	159481982	Chr2.177752	<i>Dhx35(+687085),Gm826(+845002)</i>	N/A
Chr2		159482073	1594821			

Chr2	159491212	159491604	Chr2.177762	Dhx35(+696601),Gm826(+836086)	N/A
Chr2	159501044	159501237	Chr2.177772	Dhx35(+706334),Gm826(+826333)	N/A
Chr2	159545150	159545267	Chr2.177813	Dhx35(+750402),Gm826(+782289)	N/A
Chr2	159566481	159566726	Chr2.177825	Gm826(+760890),Dhx35(+771791)	N/A
Chr2	159583121	159583316	Chr2.177840	Gm826(+744275),Dhx35(+768412)	N/A
Chr2	159596391	159596584	Chr2.177866	Gm826(+731006),Dhx35(+801681)	N/A
Chr2	159601583	159601784	Chr2.177871	Gm826(+725810),Dhx35(+806877)	N/A
Chr2	159625988	159625998	Chr2.177893	Gm826(+701546),Dhx35(+831141)	N/A
Chr2	159631670	159631794	Chr2.177896	Gm826(+695762),Dhx35(+839929)	N/A
Chr2	159632612	159632712	Chr2.177906	Gm826(+694832),Dhx35(+837855)	N/A
Chr2	159652015	159652592	Chr2.177918	Gm826(+675190),Dhx35(+857497)	N/A
Chr2	159677026	159677437	Chr2.177937	Gm826(+650262),Dhx35(+882425)	N/A
Chr2	159714588	159714789	Chr2.177989	Gm826(+612805),Dhx35(+919882)	N/A
Chr2	159718837	159718966	Chr2.178007	Gm826(+608692),Dhx35(+924095)	N/A
Chr2	159725250	159725655	Chr2.178019	Gm826(+602041),Dhx35(+930646)	N/A
Chr2	159732407	159732733	Chr2.178037	Gm826(+594924),Dhx35(+937763)	N/A
Chr2	159755651	159755774	Chr2.178068	Gm826(+571781),Dhx35(+960906)	N/A
Chr2	159903051	159905066	Chr2.178246	Gm826(+376985)	N/A
Chr2	159973173	159973440	Chr2.178283	Gm826(+354187)	N/A
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Chr2	160174364	160174495	Chr2.178506	Gm826(+153084)	N/A
Chr2	160174774	160174889	Chr2.178508	Gm826(+152562)	N/A
Chr2	160192872	160193027	Chr2.178553	Gm826(+134544)	N/A
Chr2	160225554	160225701	Chr2.178574	Gm826(+101866)	N/A
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Chr2	160365111	160365233	Chr2.178732	Mafby(-37678),Mafby(+1893)	N/A
Chr2	160365345	160365502	Chr2.178736	Gm826(-37930),Mafby(+1641)	N/A
Chr2	160373459	160374587	Chr2.178761	Mafby(-7408),Gm14221(+245498)	N/A
Chr2	160377466	160377645	Chr2.178768	Mafby(-10491),Gm14221(+242415)	N/A
Chr2	160421407	160421575	Chr2.178857	Mafby(-54426),Gm14221(+198480)	N/A
Chr2	160427239	160427344	Chr2.178889	Mafby(-60227),Gm14221(+192679)	N/A
Chr2	160433341	160433582	Chr2.178898	Mafby(-66397),Gm14221(+186509)	N/A
Chr2	160443459	160443649	Chr2.178909	Mafby(-76459),Gm14221(+176417)	N/A
Chr2	160451062	160451161	Chr2.178920	Mafby(-84047),Gm14221(+168859)	N/A
Chr2	160451858	160452013	Chr2.178922	Mafby(-84871),Gm14221(+168035)	N/A
Chr2	160456321	160456515	Chr2.178929	Mafby(-89353),Gm14221(+163553)	N/A
Chr2	160473095	160473212	Chr2.178943	Mafby(-106089),Gm14221(+146817)	N/A
Chr2	160473311	160473649	Chr2.178945	Mafby(-106415),Gm14221(+146491)	N/A
Chr2	160477695	160477842	Chr2.178949	Mafby(-110704),Gm14221(+142202)	N/A
Chr2	160507426	160507714	Chr2.178991	Mafby(-140505),Gm14221(+112401)	N/A
Chr2	160525976	160526093	Chr2.179028	Mafby(-158970),Gm14221(+93936)	N/A
Chr2	160526359	160526732	Chr2.179031	Mafby(-159481),Gm14221(+93425)	N/A
Chr2	160537509	160537688	Chr2.179054	Mafby(-170534),Gm14221(+82372)	N/A
Chr2	160552294	160552731	Chr2.179069	Mafby(-185448),Gm14221(+67458)	N/A
Chr2	160621012	160621129	Chr2.179099	Gm14221(-1100)	N/A
Chr2	160621930	160622170	Chr2.179102	Gm14221(-2079)	N/A
Chr2	160647900	160648084	Chr2.179124	Plog1(-83318),Top1(+2104)	N/A
Chr2	160702132	160702543	Chr2.179165	Plog1(-28972),Top1(+56450)	N/A
Chr2	160718895	160719302	Chr2.179187	Plog1(-122116),Top1(+173206)	N/A
Chr2	160729093	160729330	Chr2.179200	Plog1(-2098)	N/A
Chr2	160738498	160738700	Chr2.179216	Plog1(+77289),Zhx3(+121032)	N/A
Chr2	160797059	160797242	Chr2.179466	Zhx3(+62480),Plog1(+65841)	N/A
Chr2	160871377	160871814	Chr2.179528	Zhx3(-11965),Lpin3(-9074)	N/A
Chr2	160872155	160872280	Chr2.179538	Zhx3(-12997),Lpin3(-8452)	N/A
Chr2	160911692	160911801	Chr2.179708	Emilin3(-581)	N/A
Chr2	160915499	160915609	Chr2.179710	Emilin3(-3226)	N/A
Chr2	160915771	160915880	Chr2.179716	Emilin3(-3498)	N/A
Chr2	160932383	160932578	Chr2.179732	Emilin3(-20153),Chd6(+176541)	N/A
Chr2	160948783	160948901	Chr2.179755	Emilin3(-36514),Chd6(+160180)	N/A
Chr2	160953619	160953768	Chr2.179786	Emilin3(-41385),Chd6(+155329)	N/A
Chr2	160955531	160955662	Chr2.179792	Emilin3(-43269),Chd6(+153425)	N/A
Chr2	160990802	160991047	Chr2.179902	Emilin3(-78597),Chd6(+118097)	N/A
Chr2	161107330	161107457	Chr2.180006	Emilin3(-195066),Chd6(+1628)	N/A
Chr2	1611107859	1611108222	Chr2.180008	Chd6(+981)	N/A
Chr2	161118337	161118629	Chr2.180009	Chd6(+589)	N/A
Chr2	161128563	161128757	Chr2.180027	Chd6(-1963)	N/A
Chr2	161265316	161265423	Chr2.180119	Chd6(-156348)	N/A
Chr2	161339503	161339752	Chr2.180177	Chd6(-230606)	N/A
Chr2	161341789	161341948	Chr2.180185	Chd6(-232847)	N/A
Chr2	161498732	161498882	Chr2.180303	Chd6(-389785)	N/A
Chr2	161544006	161544235	Chr2.180388	Chd6(-435099)	N/A
Chr2	161570771	161570967	Chr2.180448	Chd6(-461847)	N/A
Chr2	24416709	24416973	Chr2.18062	Psd4(+49231),Pax8(+58758)	N/A
Chr2	161795653	161796048	Chr2.180709	Chd6(-686829),Ptpn1(+865296)	N/A
Chr2	162001091	162001321	Chr2.180866	Chd6(-892184),Ptpn1(+659941)	N/A
Chr2	162325035	162325159	Chr2.181179	Ptpn1(+33650)	N/A
Chr2	162413464	162413834	Chr2.181269	Ptpn1(+47498)	N/A
Chr2	162636507	162636617	Chr2.181494	Ptpn1(+24585)	N/A
Chr2	162657644	162657801	Chr2.181511	Ptpn1(+3424)	N/A
Chr2	162659881	162659920	Chr2.181520	Ptpn1(+2056)	N/A
Chr2	24474077	24474283	Chr2.181558	Pax8(+1419),Psd4(+106570)	N/A
Chr2	24475481	24475788	Chr2.18165	Pax8(-35)	N/A
Chr2	162867177	162867385	Chr2.181720	Ptpn1(-206134),Srst6(-64247)	N/A
Chr2	162867422	162867608	Chr2.181722	Ptpn1(-206368),Srst6(-64013)	N/A
Chr2	162919922	162920071	Chr2.181755	Ptpn1(-268850),Srst6(-11531)	N/A
Chr2	162932670	162933150	Chr2.181764	L3mbtl1(-10564),Srst6(+1382)	N/A
Chr2	24503143	24503518	Chr2.181789	Pax8(-27731),Cacna1b(+259177)	N/A
Chr2	24520607	24520748	Chr2.182021	Pax8(-45079),Cacna1b(+242369)	N/A
Chr2	24521747	24521874	Chr2.182025	Pax8(-46212),Cacna1b(+241236)	N/A
Chr2	163143162	163143275	Chr2.182066	Gtsf1l(-55436),Jph2(+254730)	N/A
Chr2	163195662	163195879	Chr2.182095	Gtsf1l(-107988),Jph2(+202178)	N/A
Chr2	163195935	163196152	Chr2.182099	Gtsf1l(-108261),Jph2(+207905)	N/A
Chr2	163229139	163229248	Chr2.182131	Gtsf1l(-141411),Jph2(+168755)	N/A
Chr2	163236032	163236155	Chr2.182143	Gtsf1l(-148311),Jph2(+161855)	N/A
Chr2	163240176	163240280	Chr2.182153	Gtsf1l(-152445),Jph2(+157721)	N/A
Chr2	163253456	163253587	Chr2.182158	Gtsf1l(-165739),Jph2(+144427)	N/A
Chr2	163280524	163280638	Chr2.182183	Gtsf1l(-192798),Jph2(+117368)	N/A
Chr2	163289095	163289305	Chr2.182197	Gtsf1l(-201417),Jph2(+108749)	N/A
Chr2	24539298	24539468	Chr2.18221	Pax8(-43784),Cacna1b(+22664)	N/A
Chr2	163353932	163354084	Chr2.182280	Gtsf1l(-266225),Jph2(+43941)	N/A
Chr2	163398006	163398138	Chr2.182324	Jph2(-123)	N/A
Chr2	163443615	163443741	Chr2.182375	2310001k24rik(-28867),Gdap1l1(+5202)	N/A
Chr2	163535241	163535377	Chr2.182512	Hnf4a(-11879),R3hdm1(+42991)	N/A
Chr2	163549824	163550032	Chr2.182537	Tpa1(-52336),Hnf4a(+2790)	N/A
Chr2	163580213	163580419	Chr2.182599	Tpa1(-21998),Hnf4a(+33128)	N/A
Chr2	24603899	24604004	Chr2.18272	Pax8(-128353),Cacna1b(+159095)	N/A
Chr2	163675382	163675646	Chr2.182740	Serinc3(-30383),Pkig1(-18524)	N/A
Chr2	163685707	163685946	Chr2.182743	Serinc3(-40696),Pkig1(-8211)	N/A
Chr2	163693862	163694027	Chr2.182753	Pkig1(-93)	N/A
Chr2	163801027	163801152	Chr2.182841	Adn1(-50851),Ccn5(-19799)	N/A
Chr2	163809820	163809956	Chr2.182845	Adn1(-59649),Ccn5(-11001)	N/A
Chr2	163862598	163862753	Chr2.182922	Kcnk15(+9025),Rims4(+56007)	N/A
Chr2	163996828	163996960	Chr2.183004	Palbpc1l(-28556),Ywhab(+1934)	N/A
Chr2	163996996	163997096	Chr2.183006	Palbpc1l(-28403),Ywhab(+2087)	N/A
Chr2	164003555	164003605	Chr2.183015	Palbpc1l(-160203),Ywhab(+14470)	N/A
Chr2	164017997	164018103	Chr2.183050	Palbpc1l(-7400),Ywhab(+2309)	N/A
Chr2	164108537	164108733	Chr2.183184	Slk4(+34497),Kcns1(+62478)	N/A
Chr2	164139824	164139987	Chr2.183206	Kcns1(+31207),Slk4(+65768)	N/A
Chr2	164142090	164142309	Chr2.183209	Kcns1(+28913),Slk4(+68062)	N/A
Chr2	164432828	164432969	Chr2.183489	Matn4(-28285),Sdc4(+10287)	N/A
Chr2	164436328	164436476	Chr2.183497	Matn4(-31788),Sdc4(+6784)	N/A
Chr2	164436574	164436783	Chr2.183500	Matn4(-32065),Sdc4(+6507)	N/A
Chr2	164437095	164437198	Chr2.183506	Matn4(-32533),Sdc4(+6039)	N/A
Chr2	164779715	164779832	Chr2.183850	Tnnc2(-33)	N/A
Chr2	164822920	164823089	Chr2.183958	Zswim1(+319)	N/A
Chr2	164879299	164879770	Chr2.184168	Pcfl1(+170)	N/A
Chr2	164882812	164882960	Chr2.184177	Pcfl1(+352),Zfp335(+28871)	N/A
Chr2	164891886	164892038	Chr2.184236	Pcfl1(+12597),Zfp335(+19795)	N/A
Chr2	164911193	164911434	Chr2.184349	Zfp335(+443)	N/A
Chr2	164938853	164939018	Chr2.184363	Zfp335(-27179),Mmp9(-9283)	N/A
Chr2	164942742	164942869	Chr2.184370	Zfp335(-31049),Mmp9(-5413)	N/A
Chr2	164943018	164943134	Chr2.184373	Zfp335(-31319),Mmp9(-5143)	N/A
Chr2	164967898	164968020	Chr2.184499	Slc12a5(-24)	N/A

Chr2	164968331	164968487	Chr2.184503	Slc12a5(+426)	N/A
Chr2	164968760	164968828	Chr2.184506	Slc12a5(+861)	N/A
Chr2	164971038	164971183	Chr2.184524	Slc12a5(+3128),Ncoa5(+63756)	N/A
Chr2	164981890	164983307	Chr2.184637	Slc12a5(+30268),Ncoa5(+36619)	N/A
Chr2	165017983	165018082	Chr2.184695	Ncoa5(+16834),Slc12a5(+50050)	N/A
Chr2	165032717	165032852	Chr2.184720	Ncoa5(+2082),Slc12a5(+64802)	N/A
Chr2	165034652	165034801	Chr2.184726	Ncoa5(+140)	N/A
Chr2	165034892	165034999	Chr2.184727	Ncoa5(+79)	N/A
Chr2	165056486	165056592	Chr2.184750	Cdh2(+912)	N/A
Chr2	165064643	165066666	Chr2.184816	1700025c18rk(-5825),Cdh22(+138278)	N/A
Chr2	165106771	165106940	Chr2.184833	1700025c18rk(-16106),Cdh22(+127997)	N/A
Chr2	165126007	165126147	Chr2.184871	1700025c18rk(-35327),Cdh22(+108776)	N/A
Chr2	165131419	165131739	Chr2.184880	1700025c18rk(-40829),Cdh22(+103274)	N/A
Chr2	165133645	165133834	Chr2.184887	1700025c18rk(-42990),Cdh22(+101113)	N/A
Chr2	165136149	165136320	Chr2.184899	1700025c18rk(-45485),Cdh22(+98618)	N/A
Chr2	165139948	165140063	Chr2.184903	1700025c18rk(-49259),Cdh22(+94847)	N/A
Chr2	165145975	165146113	Chr2.184918	1700025c18rk(-55294),Cdh22(+88809)	N/A
Chr2	165152964	165153130	Chr2.184935	1700025c18rk(-62297),Cdh22(+81806)	N/A
Chr2	165177099	165177252	Chr2.184989	1700025c18rk(-86426),Cdh22(+57677)	N/A
Chr2	165195863	165196008	Chr2.185010	1700025c18rk(-105186),Cdh22(+38917)	N/A
Chr2	165202056	165202312	Chr2.185016	1700025c18rk(-111434),Cdh22(+32669)	N/A
Chr2	165212534	165212776	Chr2.185025	1700025c18rk(-121905),Cdh22(+22198)	N/A
Chr2	165215262	165215659	Chr2.185028	1700025c18rk(-124711),Cdh22(+13932)	N/A
Chr2	165238590	165238727	Chr2.185044	Cdh22(-3806)	N/A
Chr2	165242761	165243148	Chr2.185048	Cdh22(-8102),Slc35c2(+44914)	N/A
Chr2	165266211	165266342	Chr2.185087	Cdh22(-31424),Slc35c2(+21562)	N/A
Chr2	165271379	165271623	Chr2.185094	Cdh22(-36648),Slc35c2(+16368)	N/A
Chr2	165275111	165275238	Chr2.185100	Cdh22(-40322),Slc35c2(+12694)	N/A
Chr2	165275278	165275433	Chr2.185102	Cdh22(-40503),Slc35c2(+12513)	N/A
Chr2	165279443	165279632	Chr2.185122	Cdh22(-44685),Slc35c2(+8331)	N/A
Chr2	165279739	165279901	Chr2.185125	Cdh22(-44967),Slc35c2(+8049)	N/A
Chr2	165289408	165289521	Chr2.185161	Slc35c2(-1596)	N/A
Chr2	165316849	165316960	Chr2.185224	Elmo2(-2)	N/A
Chr2	165317056	165317229	Chr2.185226	Elmo2(-240)	N/A
Chr2	165320984	165321085	Chr2.185230	Elmo2(-4132)	N/A
Chr2	165326923	165327103	Chr2.185243	Elmo2(-10110),Zfp663(+41716)	N/A
Chr2	165336619	165336815	Chr2.185246	Elmo2(-19814),Zfp663(+32012)	N/A
Chr2	165534752	165534996	Chr2.185495	Eya2(-120424),Slc2a10(+31087)	N/A
Chr2	165558997	165559171	Chr2.185516	Eya2(-96214),Slc2a10(+55297)	N/A
Chr2	165566940	165567291	Chr2.185521	Eya2(-88182),Slc2a10(+63329)	N/A
Chr2	165571327	165571559	Chr2.185525	Eya2(-83855),Slc2a10(+67656)	N/A
Chr2	165597101	165597314	Chr2.185536	Eya2(-58050),Slc2a10(+93421)	N/A
Chr2	165597430	165597571	Chr2.185539	Eya2(-57787),Slc2a10(+93714)	N/A
Chr2	165597630	165597773	Chr2.185542	Eya2(-57596),Slc2a10(+93915)	N/A
Chr2	165599677	165599826	Chr2.185547	Eya2(-55546),Slc2a10(+95965)	N/A
Chr2	165600493	165600803	Chr2.185551	Eya2(-54650),Slc2a10(+96861)	N/A
Chr2	165600867	165601132	Chr2.185555	Eya2(-54298),Slc2a10(+97213)	N/A
Chr2	165604412	165604564	Chr2.185568	Eya2(-50813),Slc2a10(+100716)	N/A
Chr2	165609286	165609402	Chr2.185571	Eya2(-49554),Slc2a10(+105557)	N/A
Chr2	165613969	165614138	Chr2.185574	Eya2(-41244),Slc2a10(+110267)	N/A
Chr2	165622532	165622754	Chr2.185581	Eya2(-32655),Slc2a10(+118856)	N/A
Chr2	165634716	165634945	Chr2.185591	Eya2(-20467),Slc2a10(+131044)	N/A
Chr2	165664813	165664837	Chr2.185604	Eya2(+9427),Zmynd8(+193448)	N/A
Chr2	165665247	165665482	Chr2.185606	Eya2(+10067),Zmynd8(+192809)	N/A
Chr2	165712039	165712145	Chr2.185642	Eya2(+56794),Zmynd8(+146081)	N/A
Chr2	165732572	165732696	Chr2.185674	Eya2(+77337),Zmynd8(+125538)	N/A
Chr2	165736346	165736446	Chr2.185682	Eya2(+81098),Zmynd8(+121777)	N/A
Chr2	165741097	165741243	Chr2.185685	Eya2(+85872),Zmynd8(+117003)	N/A
Chr2	165741275	165741432	Chr2.185687	Eya2(+86560),Zmynd8(+116819)	N/A
Chr2	165745411	165745648	Chr2.185696	Eya2(+80232),Zmynd8(+110293)	N/A
Chr2	165755108	165755251	Chr2.185709	Eya2(+99882),Zmynd8(+102993)	N/A
Chr2	165759590	165759764	Chr2.185711	Zmynd8(+98496),Eya2(+104379)	N/A
Chr2	165858105	165858230	Chr2.185871	Zmynd8(+5)	N/A
Chr2	165866777	165866968	Chr2.185876	Ncoa3(-125764),Zmynd8(-8700)	N/A
Chr2	165875899	165875805	Chr2.185884	Ncoa3(-116885),Zmynd8(-17589)	N/A
Chr2	165877672	165877870	Chr2.185892	Ncoa3(-114866),Zmynd8(-19598)	N/A
Chr2	165878224	165878340	Chr2.185896	Ncoa3(-114355),Zmynd8(-20109)	N/A
Chr2	165878969	165879110	Chr2.185903	Ncoa3(-113597),Zmynd8(-20867)	N/A
Chr2	165879171	165879273	Chr2.185905	Ncoa3(-113415),Zmynd8(-21049)	N/A
Chr2	165879497	165879792	Chr2.185911	Ncoa3(-112992),Zmynd8(-21472)	N/A
Chr2	165884662	165884816	Chr2.185920	Ncoa3(-112080),Zmynd8(-22366)	N/A
Chr2	165886047	1658860757	Chr2.185924	Ncoa3(-111933),Zmynd8(-22529)	N/A
Chr2	165881134	165881452	Chr2.185928	Ncoa3(-111344),Zmynd8(-23120)	N/A
Chr2	165881680	165881784	Chr2.185931	Ncoa3(-110905),Zmynd8(-23559)	N/A
Chr2	165881892	165882039	Chr2.185933	Ncoa3(-110671),Zmynd8(-23793)	N/A
Chr2	165882207	165882466	Chr2.185938	Ncoa3(-110300),Zmynd8(-24164)	N/A
Chr2	165883036	165883244	Chr2.185943	Ncoa3(-109497),Zmynd8(-24967)	N/A
Chr2	165883304	165883465	Chr2.185949	Ncoa3(-109252),Zmynd8(-25212)	N/A
Chr2	165883505	165883683	Chr2.185950	Ncoa3(-109043),Zmynd8(-25421)	N/A
Chr2	165883800	165884163	Chr2.185952	Ncoa3(-108655),Zmynd8(-25809)	N/A
Chr2	165894357	165894982	Chr2.185957	Ncoa3(-107967),Zmynd8(-26497)	N/A
Chr2	165895465	165895765	Chr2.185960	Ncoa3(-107022),Zmynd8(-27416)	N/A
Chr2	165895817	165895988	Chr2.185964	Ncoa3(-106734),Zmynd8(-27730)	N/A
Chr2	165896017	165896122	Chr2.185966	Ncoa3(-106567),Zmynd8(-27897)	N/A
Chr2	165897202	165897383	Chr2.185972	Ncoa3(-105344),Zmynd8(-29120)	N/A
Chr2	165936275	165936396	Chr2.185982	Zmynd8(-78164),Ncoa3(-56300)	N/A
Chr2	165938357	165939345	Chr2.185991	Ncoa3(-1254),Sulf2(+161772)	N/A
Chr2	165999443	165999581	Chr2.186002	Ncoa3(-68759),Sulf2(+156151)	N/A
Chr2	166000008	166000156	Chr2.186006	Ncoa3(+7445),Sulf2(+155581)	N/A
Chr2	166000757	166001015	Chr2.186007	Ncoa3(+8249),Sulf2(+154777)	N/A
Chr2	166010405	166010548	Chr2.186012	Ncoa3(+17840),Sulf2(+145186)	N/A
Chr2	166029412	166029610	Chr2.186022	Ncoa3(+36874),Sulf2(+129152)	N/A
Chr2	166031133	166031277	Chr2.186025	Ncoa3(+38568),Sulf2(+124458)	N/A
Chr2	166041012	166041264	Chr2.186030	Ncoa3(+48501),Sulf2(+114525)	N/A
Chr2	166070656	166070812	Chr2.186138	Ncoa3(+78097),Sulf2(+84929)	N/A
Chr2	166070869	166071141	Chr2.186140	Ncoa3(+78368),Sulf2(+84658)	N/A
Chr2	166073046	166073237	Chr2.186148	Ncoa3(+80050),Sulf2(+82521)	N/A
Chr2	166081902	166082627	Chr2.186238	Sulf2(+47493),Ncoa3(-105533)	N/A
Chr2	166105596	166105726	Chr2.186243	Sulf2(+50002),Ncoa3(-113024)	N/A
Chr2	166136323	166136465	Chr2.186263	Sulf2(+19269),Ncoa3(+143757)	N/A
Chr2	166142793	166142993	Chr2.186268	Sulf2(+12770),Ncoa3(+150256)	N/A
Chr2	166153816	166153928	Chr2.186278	Sulf2(+1791),Ncoa3(+161235)	N/A
Chr2	166158994	166159011	Chr2.186293	Sulf2(-3290)	N/A
Chr2	166237850	166238084	Chr2.186308	Sulf2(-82304),Pex1(+475865)	N/A
Chr2	166291421	166291538	Chr2.186334	Sulf2(-135817),Pex1(+422352)	N/A
Chr2	166305818	166305928	Chr2.186350	Sulf2(-150210),Pex1(+407959)	N/A
Chr2	166308341	166308443	Chr2.186353	Sulf2(-152729),Pex1(+405440)	N/A
Chr2	166330345	166330482	Chr2.186374	Sulf2(-174751),Pex1(+383418)	N/A
Chr2	166346535	166346712	Chr2.186382	Sulf2(-160861),Pex1(+367208)	N/A
Chr2	166348770	166349002	Chr2.186386	Sulf2(-193298),Pex1(+364901)	N/A
Chr2	166360993	166361132	Chr2.186397	Sulf2(-205400),Pex1(+352769)	N/A
Chr2	166362772	166362940	Chr2.186403	Sulf2(-207193),Pex1(+350976)	N/A
Chr2	166366824	166367101	Chr2.186408	Sulf2(-211300),Pex1(+346889)	N/A
Chr2	166344442	166348908	Chr2.186409	Sulf2(-229072),Pex1(+329157)	N/A
Chr2	166398989	166399016	Chr2.186420	Sulf2(-243390),Pex1(+314779)	N/A
Chr2	166412155	166412264	Chr2.186430	Sulf2(-245694),Pex1(+301622)	N/A
Chr2	166423163	166423270	Chr2.186441	Sulf2(-267554),Pex1(+290615)	N/A
Chr2	166482847	166482950	Chr2.186469	Sulf2(-327236),Pex1(+230933)	N/A
Chr2	166483015	166483190	Chr2.186475	Sulf2(-327440),Pex1(+230729)	N/A
Chr2	166514663	166514811	Chr2.186483	Sulf2(-359074),Pex1(+199095)	N/A
Chr2	16652106	16652307	Chr2.186500	Sulf2(-386544),Pex1(+161625)	N/A
Chr2	166650597	166650713	Chr2.186667	Sulf2(-494992),Pex1(+63177)	N/A
Chr2	166679104	166679212	Chr2.186678	Sulf2(-523495),Pex1(+34674)	N/A
Chr2	166683060	166683193	Chr2.186682	Sulf2(-527464),Pex1(+30705)	N/A
Chr2	166692219	166692351	Chr2.186689	Sulf2(-536622),Pex1(+21547)	N/A
Chr2	166712342	166712442	Chr2.186697	Sulf2(-566729),Pex1(+14409)	N/A
Chr2	166720188	166720316	Chr2.186705	Trp53Ab(-73515),Pex1(-6420)	N/A
Chr2	166764290	166764491	Chr2.186715	Pex1(-50559),Trp53Ab(-29376)	N/A
Chr2	166829138	166829321	Chr2.186730	Cse1(-76829),Arfge2(+23642)	N/A
Chr2	166948224	166948386	Chr2.186943	Cse1(-42246),Stau1(+47960)	N/A
Chr2	166949416	166949543	Chr2.186944	Cse1(-42421),Stau1(+47785)	N/A
Chr2	166949902	1669499071	Chr2.186947	Cse1(-42926),Stau1(+47278)	N/A
Chr2	166949240	166949376	Chr2.186952	Cse1(-43249),Stau1(+46957)	N/A
Chr2	166974336	166974727	Chr2.186980	Stau1(+21733),Cse1(-68473)	N/A
Chr2	167060952	167061093	Chr2.187234	Zfas1(-1911)	N/A
Chr2	167079156	167079262	Chr2.187249	Znfk1(-16194),Kcnb1(+109590)	N/A
Chr2	167079721	167079863	Chr2.187253	Znfk1(-16777),Kcnb1(+109007)	N/A
Chr2	167081787	167081893	Chr2.187256	Znfk1(-18525),Kcnb1(+106959)	N/A

Chr2		167103766	167103912	Chr2.187301	Znfx1(-40824),Kcnb1(+84960)	N/A
Chr2		167136957	167137180	Chr2.187367	Znfx1(-74054),Kcnb1(+51730)	N/A
Chr2		167201909	167202108	Chr2.187421	Kcnb1(-13210),Ptgls(+38595)	N/A
Chr2		167203336	167203479	Chr2.187423	Kcnb1(-14609),Ptgls(+37199)	N/A
Chr2		167278272	167278402	Chr2.187482	Ptgls(-37733),B4galnt5(+70846)	N/A
Chr2		167373351	167373558	Chr2.187539	Slc9a8(-48257),B4galnt5(-24272)	N/A
Chr2		167421640	167421793	Chr2.187543	Slc9a8(+5)	N/A
Chr2		167491204	167491503	Chr2.187655	Rnf114(-1291)	N/A
Chr2		167542566	167542813	Chr2.187708	Sna1(+4495),Ube2v1(+89405)	N/A
Chr2		167543308	167543204	Chr2.187713	Sna1(+4956),Ube2v1(+88944)	N/A
Chr2		167543304	167543407	Chr2.187714	Sna1(+5161),Ube2v1(+88739)	N/A
Chr2		167543441	167543551	Chr2.187715	Sna1(+5301),Ube2v1(+88599)	N/A
Chr2		167563755	167563906	Chr2.187716	Sna1(+25636),Ube2v1(+68264)	N/A
Chr2		167596015	167596181	Chr2.187718	Ube2v1(+335997),Sna1(+57903)	N/A
Chr2		167597416	167597561	Chr2.187721	Ube2v1(+34606),Sna1(+59294)	N/A
Chr2		167687782	167687882	Chr2.187775	Cebpb(-1083)	N/A
Chr2		167690271	167690441	Chr2.187785	Ptpr1(-241971),Cebpb(+1441)	N/A
Chr2		167710750	167710859	Chr2.187789	Ptpr1(-221522),Cebpb(+21890)	N/A
Chr2		167721885	167722043	Chr2.187807	Ptpr1(-210383),Cebpb(+33049)	N/A
Chr2		167727274	167727485	Chr2.187813	Ptpr1(-204947),Cebpb(+36465)	N/A
Chr2		167728465	167728589	Chr2.187817	Ptpr1(-203800),Cebpb(+39612)	N/A
Chr2		167731200	167731347	Chr2.187821	Ptpr1(-201053),Cebpb(+42359)	N/A
Chr2		167753965	167754105	Chr2.187827	Ptpr1(-178292),Cebpb(+65120)	N/A
Chr2		167757549	167757672	Chr2.187829	Ptpr1(-174716),Cebpb(+68696)	N/A
Chr2		167761390	167761548	Chr2.187834	Ptpr1(-170858),Cebpb(+72554)	N/A
Chr2		167765256	167765401	Chr2.187836	Ptpr1(-166998),Cebpb(+76141)	N/A
Chr2		167768035	167768211	Chr2.187838	Ptpr1(-164204),Cebpb(+79208)	N/A
Chr2		167769578	167769766	Chr2.187845	Ptpr1(-162655),Cebpb(+80757)	N/A
Chr2		167777562	167777696	Chr2.187858	Ptpr1(-154698),Cebpb(+88714)	N/A
Chr2		167781431	167781768	Chr2.187859	Ptpr1(-150727),Cebpb(+92685)	N/A
Chr2		167795552	167798712	Chr2.187870	Ptpr1(-132678),Cebpb(+110734)	N/A
Chr2		167823590	167823937	Chr2.187880	Ptpr1(-108563),Cebpb(+134849)	N/A
Chr2		167828453	167828568	Chr2.187885	Ptpr1(-103816),Cebpb(+139596)	N/A
Chr2		167831207	167831333	Chr2.187887	Ptpr1(-101057),Cebpb(+142355)	N/A
Chr2		167833665	167833841	Chr2.187889	Ptpr1(-98574),Cebpb(+144838)	N/A
Chr2		167851742	167851916	Chr2.187902	Ptpr1(-80468),Cebpb(+162914)	N/A
Chr2		167897013	167897134	Chr2.187922	Ptpr1(-35253),Cebpb(+265159)	N/A
Chr2		167933902	167933801	Chr2.187931	Ptpr1(-1375),Ripor3(+76916)	N/A
Chr2		167939619	167939769	Chr2.187942	Ptpr1(+7367),Ripor3(+70924)	N/A
Chr2		167943165	167943332	Chr2.187952	Ptpr1(+10922),Ripor3(+67369)	N/A
Chr2		167949521	167949638	Chr2.187960	Ptpr1(+17253),Ripor3(+61038)	N/A
Chr2		167978803	167978902	Chr2.188027	Ripor3(+31765),Ptpr1(+46526)	N/A
Chr2		168010758	168010968	Chr2.188147	Ripor3(-244)	N/A
Chr2		168017150	168017315	Chr2.188150	Par6db(-63771),Ripor3(-6615)	N/A
Chr2		168025165	168025344	Chr2.188154	Par6db(-55749),Ripor3(-14637)	N/A
Chr2		168026616	168026718	Chr2.188160	Par6db(-54337),Ripor3(-16049)	N/A
Chr2		168045945	168046080	Chr2.188165	Ripor3(-35385),Par6db(-35001)	N/A
Chr2		168056995	168056908	Chr2.188186	Ripor3(-46194),Par6db(-24202)	N/A
Chr2		168078486	168078746	Chr2.188197	Par6db(-2338)	N/A
Chr2		168095193	168095460	Chr2.188224	Par6db(+14323),Adnp(+111785)	N/A
Chr2		168115092	168115195	Chr2.188282	Par6db(+34140),Adnp(+91968)	N/A
Chr2		168128293	168128401	Chr2.188285	Par6db(+47343),Adnp(+97865)	N/A
Chr2		168128599	168128822	Chr2.188287	Par6db(+47707),Adnp(+78401)	N/A
Chr2		168204480	168204482	Chr2.188353	Adnp(+2431),Par6db(+123677)	N/A
Chr2		168205147	168205609	Chr2.188355	Adnp(+1734),Par6db(+124374)	N/A
Chr2		168207051	168207192	Chr2.188367	Adnp(-10)	N/A
Chr2		168207316	168207554	Chr2.188370	Adnp(-323)	N/A
Chr2		168288878	168289037	Chr2.188486	Kong1(-7826),Nfatc2(+301302)	N/A
Chr2		168320840	168321062	Chr2.188501	Kong1(-39819),Nfatc2(+269309)	N/A
Chr2		168333605	168333715	Chr2.188519	Kong1(-52528),Nfatc2(+266602)	N/A
Chr2		168466180	168466477	Chr2.188544	Kong1(-185197),Nfatc2(+123931)	N/A
Chr2		168478564	168478677	Chr2.188564	Kong1(-197489),Nfatc2(+111639)	N/A
Chr2		168497307	168497421	Chr2.188575	Kong1(-216232),Nfatc2(+92896)	N/A
Chr2		168519747	168520006	Chr2.188627	Kong1(-238745),Nfatc2(+70383)	N/A
Chr2		168525382	168525499	Chr2.188641	Kong1(-244309),Nfatc2(+614916)	N/A
Chr2		168544334	168544457	Chr2.188663	Kong1(-263264),Nfatc2(+45864)	N/A
Chr2		168546308	168546435	Chr2.188665	Kong1(-265240),Nfatc2(+43888)	N/A
Chr2		168549205	168549360	Chr2.188670	Kong1(-268151),Nfatc2(+40977)	N/A
Chr2		168553524	168553655	Chr2.188675	Kong1(-272458),Nfatc2(+36670)	N/A
Chr2		168553775	168553928	Chr2.188679	Kong1(-272718),Nfatc2(+36410)	N/A
Chr2		168561527	168561540	Chr2.188687	Kong1(-275102),Nfatc2(+34026)	N/A
Chr2		168600575	168600676	Chr2.188741	Nfatc2(-10366),Atpp9a(+141174)	N/A
Chr2		168601740	168602009	Chr2.188744	Nfatc2(-11615),Atpp9a(+139925)	N/A
Chr2		168602362	168602518	Chr2.188745	Nfatc2(-12180),Atpp9a(+139360)	N/A
Chr2		168604862	168605350	Chr2.188751	Nfatc2(-14946),Atpp9a(+136694)	N/A
Chr2		168607578	168607690	Chr2.188759	Nfatc2(-17374),Atpp9a(+134166)	N/A
Chr2		168608221	168608494	Chr2.188762	Nfatc2(-18068),Atpp9a(+133442)	N/A
Chr2		168618240	168618532	Chr2.188776	Nfatc2(-28126),Atpp9a(+123414)	N/A
Chr2		168626526	168626678	Chr2.188785	Nfatc2(-36342),Atpp9a(+115198)	N/A
Chr2		168626731	168626856	Chr2.188788	Nfatc2(-36535),Atpp9a(+115005)	N/A
Chr2		168628173	168628325	Chr2.188791	Nfatc2(-37969),Atpp9a(+113551)	N/A
Chr2		168628399	168628715	Chr2.188795	Nfatc2(-38297),Atpp9a(+112423)	N/A
Chr2		168762585	168762846	Chr2.189104	Atpp9a(-20916),Sal1(+4485)	N/A
Chr2		168766921	168767381	Chr2.189121	Sal1(+50)	N/A
Chr2		168768298	168768408	Chr2.189128	Sal1(-1152)	N/A
Chr2		168774784	168774945	Chr2.189132	Sal1(-7664),Zfp64(+180407)	N/A
Chr2		168777024	168777171	Chr2.189142	Sal1(-8697),Zfp64(+178174)	N/A
Chr2		168803917	168804067	Chr2.189158	Sal1(-36791),Zfp64(+151280)	N/A
Chr2		168831616	168831778	Chr2.189166	Sal1(-64496),Zfp64(+123575)	N/A
Chr2		168837194	168837386	Chr2.189179	Sal1(-70089),Zfp64(+117982)	N/A
Chr2		168838668	168839251	Chr2.189184	Sal1(-71759),Zfp64(+116312)	N/A
Chr2		168839899	168840109	Chr2.189195	Sal1(-72803),Zfp64(+115268)	N/A
Chr2		168860117	168860393	Chr2.189203	Sal1(-93054),Zfp64(+95017)	N/A
Chr2		168860917	168861182	Chr2.189208	Sal1(-93849),Zfp64(+94222)	N/A
Chr2		168862836	168863028	Chr2.189213	Sal1(-95731),Zfp64(+92340)	N/A
Chr2		168870299	168870534	Chr2.189221	Sal1(-103216),Zfp64(+84855)	N/A
Chr2		168871998	168872298	Chr2.189225	Sal1(-104947),Zfp64(+83174)	N/A
Chr2		168893955	168894450	Chr2.189237	Sal1(-17002),Zfp64(+61069)	N/A
Chr2		168909842	168909898	Chr2.189351	1700101G07RK(-591166),Zfp64(-35643)	N/A
Chr2		169007916	169008263	Chr2.189363	1700101G07RK(-573991),Zfp64(-52818)	N/A
Chr2		169008696	169008957	Chr2.189370	1700101G07RK(-573254),Zfp64(-53555)	N/A
Chr2		169038015	169038286	Chr2.189415	1700101G07RK(-543930),Zfp64(-82879)	N/A
Chr2		169060556	169060781	Chr2.189437	1700101G07RK(-521362),Zfp64(-105447)	N/A
Chr2		169087266	169087399	Chr2.189471	1700101G07RK(-494748),Zfp64(-132061)	N/A
Chr2		169094532	169094714	Chr2.189475	1700101G07RK(-487458),Zfp64(-139351)	N/A
Chr2		169133872	169134488	Chr2.189522	1700101G07RK(-447901),Zfp64(-178908)	N/A
Chr2		169158469	169158594	Chr2.189554	1700101G07RK(-423549),Zfp64(-203260)	N/A
Chr2		169204726	169204942	Chr2.189650	1700101G07RK(-377247),Zfp64(-249582)	N/A
Chr2		169205439	169205728	Chr2.189657	1700101G07RK(-376497),Zfp64(-250312)	N/A
Chr2		169215669	169215816	Chr2.189665	1700101G07RK(-366338),Zfp64(-260471)	N/A
Chr2		169234692	169235121	Chr2.189693	1700101G07RK(-347174),Zfp64(-279635)	N/A
Chr2		169239461	169239634	Chr2.189708	1700101G07RK(-342533),Zfp64(-284276)	N/A
Chr2		169239708	169239864	Chr2.189710	1700101G07RK(-342295),Zfp64(-284514)	N/A
Chr2		169303022	169303162	Chr2.189801	Zfp64(-347620),1700101G07RK(-279899)	N/A
Chr2		169346220	169346322	Chr2.189860	Zfp64(-390999),1700101G07RK(-235810)	N/A
Chr2		169405379	169405537	Chr2.189926	Zfp64(-450186),1700101G07RK(-178623)	N/A
Chr2		169424489	169425262	Chr2.189957	Zfp64(-469604),1700101G07RK(-157205)	N/A
Chr2		169468011	169468240	Chr2.189999	Zfp64(-512854),1700101G07RK(-113955)	N/A
Chr2		169474564	169474925	Chr2.190013	Zfp64(-519473),1700101G07RK(-107336)	N/A
Chr2		169481951	169482414	Chr2.190023	Zfp64(-526911),1700101G07RK(-99989)	N/A
Chr2		169484169	169484398	Chr2.190025	Zfp64(-529012),1700101G07RK(-97797)	N/A
Chr2		169514398	169514546	Chr2.190064	Zfp64(-559200),1700101G07RK(-67609)	N/A
Chr2		169514706	169514939	Chr2.190066	Zfp64(-559551),1700101G07RK(-67258)	N/A
Chr2		169524040	169524163	Chr2.190075	Zfp64(-568830),1700101G07RK(-57979)	N/A
Chr2		169528507	169528944	Chr2.190084	Zfp64(-573454),1700101G07RK(-53355)	N/A
Chr2		169547861	169548088	Chr2.190098	Zfp64(-592703),1700101G07RK(-341961)	N/A
Chr2		169548920	169549021	Chr2.190104	Zfp64(-593699),1700101G07RK(-33110)	N/A
Chr2		169565884	169566138	Chr2.190112	Zfp64(-610739),1700101G07RK(-16070)	N/A
Chr2		169584158	169584349	Chr2.190134	1700101G07RK(+2173),Gm1101(+13491)	N/A
Chr2		169584743	169584843	Chr2.190139	1700101G07RK(+2712),Gm1101(+12952)	N/A
Chr2		169589203	169589158	Chr2.190141	Gm1101(+12654),1700101G07RK(+3010)	N/A
Chr2		169589310	169589501	Chr2.190143	Gm1101(+12339),1700101G07RK(+3325)	N/A
Chr2		169598111	169598254	Chr2.190166	Tshz2(-35493),Gm1101(+10438)	N/A
Chr2		169599461	169599588	Chr2.190174	Tshz2(-34151),Gm1101(+11780)	N/A
Chr2		169609928	169610404	Chr2.190206	Tshz2(-23510),Gm1101(+12421)	N/A
Chr2		169612188	169612361	Chr2.190216	Gm1101(+124530),Tshz2(-21401)	N/A
Chr2		169621277	169621602	Chr2.190227	Gm1101(+1	

Chr2	169632613	169632755	Chr2.190239	Tshz2(-992)	N/A
Chr2	169634642	169634988	Chr2.190251	Tshz2(+1139),Ay702102(+328172)	N/A
Chr2	169635770	169635913	Chr2.190257	Tshz2(+2168),Ay702102(+327145)	N/A
Chr2	169636511	169636847	Chr2.190261	Tshz2(+2903),Ay702102(+328408)	N/A
Chr2	169637585	169637764	Chr2.190266	Tshz2(+3999),Ay702102(+325312)	N/A
Chr2	169641105	169641275	Chr2.190286	Tshz2(+7514),Ay702102(+321797)	N/A
Chr2	169641448	169641623	Chr2.190288	Tshz2(+7860),Ay702102(+321451)	N/A
Chr2	169656251	169656358	Chr2.190312	Tshz2(+22629),Ay702102(+306682)	N/A
Chr2	169653886	169654088	Chr2.190332	Tshz2(+30301),Ay702102(+299019)	N/A
Chr2	169658667	169660004	Chr2.190331	Tshz2(+32360),Ay702102(+297051)	N/A
Chr2	169666272	169666713	Chr2.190334	Tshz2(+32817),Ay702102(+296494)	N/A
Chr2	169667165	169667297	Chr2.190339	Tshz2(+33555),Ay702102(+295756)	N/A
Chr2	169670884	169671007	Chr2.190343	Tshz2(+37270),Ay702102(+292041)	N/A
Chr2	169680024	169680165	Chr2.190362	Tshz2(+52419),Ay702102(+276892)	N/A
Chr2	169689925	169700143	Chr2.190383	Tshz2(+66355),Ay702102(+26293)	N/A
Chr2	169702548	169702754	Chr2.190391	Tshz2(+69025),Ay702102(+260286)	N/A
Chr2	169702812	169702960	Chr2.190394	Tshz2(+69210),Ay702102(+260101)	N/A
Chr2	169714191	169714501	Chr2.190405	Tshz2(+80670),Ay702102(+248641)	N/A
Chr2	169721925	169722270	Chr2.190422	Tshz2(+88422),Ay702102(+240889)	N/A
Chr2	169723628	169723986	Chr2.190440	Tshz2(+90131),Ay702102(+239180)	N/A
Chr2	169724189	169724415	Chr2.190444	Tshz2(+90636),Ay702102(+238685)	N/A
Chr2	169730839	169730965	Chr2.190456	Tshz2(+97226),Ay702102(+233085)	N/A
Chr2	169749764	169749970	Chr2.190496	Tshz2(+116191),Ay702102(+213120)	N/A
Chr2	169750887	169751105	Chr2.190500	Tshz2(+117320),Ay702102(+211991)	N/A
Chr2	169751182	169751359	Chr2.190508	Tshz2(+117595),Ay702102(+211716)	N/A
Chr2	169751500	169751607	Chr2.190512	Tshz2(+117878),Ay702102(+211433)	N/A
Chr2	169752782	169752885	Chr2.190520	Tshz2(+119158),Ay702102(+210153)	N/A
Chr2	169755103	169755236	Chr2.190523	Tshz2(+121494),Ay702102(+207817)	N/A
Chr2	169780909	169781011	Chr2.190573	Tshz2(+147284),Ay702102(+182027)	N/A
Chr2	169790569	169790693	Chr2.190595	Tshz2(+156955),Ay702102(+172356)	N/A
Chr2	169790733	169790881	Chr2.190596	Tshz2(+157131),Ay702102(+172180)	N/A
Chr2	169790915	169791230	Chr2.190600	Tshz2(+157397),Ay702102(+171914)	N/A
Chr2	169792905	169793066	Chr2.190609	Tshz2(+159310),Ay702102(+170001)	N/A
Chr2	169811506	169812218	Chr2.190621	Ay702102(+151125),Tshz2(+178186)	N/A
Chr2	169812335	169812497	Chr2.190623	Ay702102(+150571),Tshz2(+178740)	N/A
Chr2	169826004	169826141	Chr2.190642	Ay702102(+136914),Tshz2(+192397)	N/A
Chr2	169826187	169826639	Chr2.190647	Ay702102(+138574),Tshz2(+19237)	N/A
Chr2	169833521	169833644	Chr2.190678	Ay702102(+129404),Tshz2(+199607)	N/A
Chr2	169833675	169833833	Chr2.190680	Ay702102(+129233),Tshz2(+200078)	N/A
Chr2	169834871	169835094	Chr2.190689	Ay702102(+128004),Tshz2(+201307)	N/A
Chr2	169835216	169835505	Chr2.190691	Ay702102(+127626),Tshz2(+201685)	N/A
Chr2	169860875	169861229	Chr2.190729	Ay702102(+101935),Tshz2(+227376)	N/A
Chr2	169863744	169863961	Chr2.190733	Ay702102(+99119),Tshz2(+230162)	N/A
Chr2	169873873	169873994	Chr2.190747	Ay702102(+89053),Tshz2(+240258)	N/A
Chr2	25124400	25124563	Chr2.19079	Nrarp(-56276),Nxa1(-29333)	N/A
Chr2	169906413	169906630	Chr2.190918	Ay702102(+56465),Tshz2(+272846)	N/A
Chr2	169907177	169907337	Chr2.190924	Ay702102(+55730),Tshz2(+273581)	N/A
Chr2	169928630	169928943	Chr2.190962	Ay702102(+33100),Tshz2(+286211)	N/A
Chr2	169951093	169951242	Chr2.190992	Ay702102(+11619),Tshz2(+317452)	N/A
Chr2	169961702	169961884	Chr2.191005	Ay702102(+1194),Tshz2(+328117)	N/A
Chr2	169962003	169962553	Chr2.191009	Ay702102(+709)	N/A
Chr2	25177703	25177882	Chr2.19103	Nrarp(-2965)	N/A
Chr2	169959676	169959685	Chr2.191044	Ay702102(-36194),Zfp217(+132039)	N/A
Chr2	170033119	170033486	Chr2.191045	Ay702102(-40316),Zfp217(+127917)	N/A
Chr2	170039921	170040149	Chr2.191093	Ay702102(-77048),Zfp217(+91185)	N/A
Chr2	170070466	170071009	Chr2.191138	Ay702102(-107751),Zfp217(+60482)	N/A
Chr2	25182821	25183017	Chr2.19116	Nrarp(+2161),Tor4a(+13967)	N/A
Chr2	170074774	170075047	Chr2.191161	Ay702102(-111924),Zfp217(+56309)	N/A
Chr2	170075378	170075480	Chr2.191165	Ay702102(-112442),Zfp217(+55791)	N/A
Chr2	170076397	170076596	Chr2.191170	Ay702102(-113510),Zfp217(+54723)	N/A
Chr2	170076755	170076882	Chr2.191175	Ay702102(-113832),Zfp217(+54401)	N/A
Chr2	25183050	25183334	Chr2.19118	Nrarp(+2434),Tor4a(+13694)	N/A
Chr2	170078042	170078213	Chr2.191182	Ay702102(-115141),Zfp217(+53092)	N/A
Chr2	170109143	170109318	Chr2.191204	Ay702102(-146244),Zfp217(+21989)	N/A
Chr2	170127448	170127579	Chr2.191335	Ay702102(-164527),Zfp217(+3706)	N/A
Chr2	170128729	170129001	Chr2.191342	Ay702102(-165878),Zfp217(+2355)	N/A
Chr2	170129655	170129764	Chr2.191352	Ay702102(-166723),Zfp217(+1510)	N/A
Chr2	170129976	170130187	Chr2.191353	Ay702102(-167095),Zfp217(+1138)	N/A
Chr2	170132379	170132506	Chr2.191359	Zfp217(-1223)	N/A
Chr2	170132654	170133081	Chr2.191361	Zfp217(-1748)	N/A
Chr2	170133292	170133442	Chr2.191365	Zfp217(-2147)	N/A
Chr2	170134185	170134296	Chr2.191375	Zfp217(-3021)	N/A
Chr2	170153895	170154077	Chr2.191401	Zfp217(-22766),Bcas1(+273842)	N/A
Chr2	170155598	170155704	Chr2.191406	Zfp217(-24431),Bcas1(+272177)	N/A
Chr2	170169179	170169340	Chr2.191413	Zfp217(-38040),Bcas1(+258568)	N/A
Chr2	170169348	170169482	Chr2.191416	Zfp217(-38210),Bcas1(+258330)	N/A
Chr2	170174354	170174612	Chr2.191421	Zfp217(-43263),Bcas1(+253345)	N/A
Chr2	170185771	170185936	Chr2.191437	Zfp217(-54634),Bcas1(+241974)	N/A
Chr2	170193477	170193848	Chr2.191442	Zfp217(-62443),Bcas1(+234165)	N/A
Chr2	170205800	170205902	Chr2.191461	Zfp217(-74831),Bcas1(+221977)	N/A
Chr2	170216787	170216033	Chr2.191465	Zfp217(-87660),Bcas1(+206918)	N/A
Chr2	170220128	170220362	Chr2.191472	Zfp217(-89025),Bcas1(+207553)	N/A
Chr2	170245822	170246069	Chr2.191480	Zfp217(-114726),Bcas1(+181882)	N/A
Chr2	170286772	170286901	Chr2.191495	Zfp217(-155617),Bcas1(+140991)	N/A
Chr2	170287316	170287436	Chr2.191501	Zfp217(-156156),Bcas1(+140452)	N/A
Chr2	170294760	170294894	Chr2.191510	Zfp217(-163607),Bcas1(+133001)	N/A
Chr2	170308171	170308272	Chr2.191515	Zfp217(-17002),Bcas1(+119806)	N/A
Chr2	170321853	170322034	Chr2.191526	Zfp217(-190724),Bcas1(+105884)	N/A
Chr2	170347214	170347331	Chr2.191552	Zfp217(-216053),Bcas1(+80555)	N/A
Chr2	170403855	170404147	Chr2.191607	Zfp217(-272781),Bcas1(+23827)	N/A
Chr2	170475275	170475420	Chr2.191673	Bcas1(-47520),Cyp24a1(+21797)	N/A
Chr2	170487160	170487262	Chr2.191742	Cyp24a1(-66)	N/A
Chr2	170534138	170534312	Chr2.191770	Ptdm4(+22960),4930470p17rk(+67792)	N/A
Chr2	170550836	170551099	Chr2.191778	Ptdm4(+39733),4930470p17rk(+51048)	N/A
Chr2	170580982	170581277	Chr2.191824	4930470p17rk(+20887),Ptdm4(+69895)	N/A
Chr2	170613901	170614030	Chr2.191856	Dok5(-117841),4930470p17rk(+11949)	N/A
Chr2	170657968	170658134	Chr2.191924	Dok5(-3756),4930470p17rk(-56034)	N/A
Chr2	170767440	170767440	Chr2.191992	Dok5(-35527)	N/A
Chr2	170805919	170806779	Chr2.192024	Dok5(-76842)	N/A
Chr2	170855262	170855423	Chr2.192072	Dok5(+123536)	N/A
Chr2	170937704	170937950	Chr2.192138	Dok5(+206020)	N/A
Chr2	171095899	171096137	Chr2.192263	Dok5(+364211),Cbln4(+947448)	N/A
Chr2	171132958	171133082	Chr2.192287	Dok5(+401213),Cbln4(+910446)	N/A
Chr2	171371813	171371951	Chr2.192481	Dok5(+640075),Cbln4(+671584)	N/A
Chr2	171588216	171588450	Chr2.192643	Cbln4(+455133),Dok5(+856526)	N/A
Chr2	171633601	171633724	Chr2.192680	Cbln4(+409803),Dok5(+901856)	N/A
Chr2	171633907	171634157	Chr2.192683	Cbln4(+409434),Dok5(+902225)	N/A
Chr2	171641222	171641370	Chr2.192698	Cbln4(+402170),Dok5(+909489)	N/A
Chr2	5195043	5195163	Chr2.1929	Ccdc3(+57327),Carmk1d(+519412)	N/A
Chr2	171840824	171841048	Chr2.192925	Cbln4(+202530)	N/A
Chr2	172042444	172042577	Chr2.193149	Cbln4(+1955)	N/A
Chr2	25226995	25227136	Chr2.19316	Tubb4b(-2364)	N/A
Chr2	172370521	172370621	Chr2.193371	Cstf1(-163),Aurka(-65)	N/A
Chr2	172370852	172371030	Chr2.193376	Aurka(-435),Cstf1(+207)	N/A
Chr2	5197936	5197797	Chr2.1934	Ccdc3(+59942),Carmk1d(+516797)	N/A
Chr2	172549475	172549576	Chr2.193623	Tlap2c(-1465)	N/A
Chr2	172549673	172549782	Chr2.193625	Tlap2c(-1263)	N/A
Chr2	172550376	172550508	Chr2.193629	Tlap2c(-549)	N/A
Chr2	172559292	172559396	Chr2.193698	Tlap2c(+8353),Bmp7(+380977)	N/A
Chr2	172585108	172585315	Chr2.193713	Tlap2c(+34221),Bmp7(+355109)	N/A
Chr2	172623838	172624028	Chr2.193725	Tlap2c(+72643),Bmp7(+316387)	N/A
Chr2	172630685	172630815	Chr2.193729	Tlap2c(+79759),Bmp7(+309571)	N/A
Chr2	172653830	172654022	Chr2.193736	Tlap2c(+102935),Bmp7(+286395)	N/A
Chr2	172660107	172660231	Chr2.193745	Tlap2c(+109178),Bmp7(+280152)	N/A
Chr2	172680958	172681292	Chr2.193747	Tlap2c(+110134),Bmp7(+279196)	N/A
Chr2	172681594	172681755	Chr2.193754	Tlap2c(+110694),Bmp7(+278648)	N/A
Chr2	172675229	172675365	Chr2.193759	Tlap2c(+124306),Bmp7(+265024)	N/A
Chr2	172727444	172727656	Chr2.193796	Tlap2c(+176559),Bmp7(+212771)	N/A
Chr2	172727908	172728097	Chr2.193800	Tlap2c(+177012),Bmp7(+212318)	N/A
Chr2	172728140	172728346	Chr2.193804	Tlap2c(+177252),Bmp7(+212078)	N/A
Chr2	172728378	172728490	Chr2.193807	Tlap2c(+177443),Bmp7(+211887)	N/A
Chr2	172728547	172728739	Chr2.193809	Tlap2c(+177652),Bmp7(+211678)	N/A
Chr2	172739773	172740022	Chr2.193819	Tlap2c(+188907),Bmp7(+200423)	N/A
Chr2	172742958	172743116	Chr2.193827	Tlap2c(+192046),Bmp7(+197284)	N/A
Chr2	172779123	172779131	Chr2.193837	Bmp7(+161104),Tlap2c(+228226)	N/A
Chr2	172787549	172787693	Chr2.193843	Bmp7(+152700),Tlap2c(+236630)	N/A
Chr2	172789353	172789464	Chr2.193845	Bmp7(+150922),Tlap2c(+236498)	N/A
Chr2	172823182	172823292	Chr2.193858	Bmp7(+117084),Tlap2c(+272246)	N/A

Chr2	172824509	172824707	Chr2.193870	Bmp7(+115713), Tlap2c(+273617)	N/A
Chr2	172846275	172846400	Chr2.193880	Bmp7(+93953), Tlap2c(+295377)	N/A
Chr2	172848667	172848816	Chr2.193888	Bmp7(+91579), Tlap2c(+297751)	N/A
Chr2	172848948	172849117	Chr2.193892	Bmp7(+91539), Tlap2c(+297929)	N/A
Chr2	172856078	172856251	Chr2.193895	Bmp7(+84156), Tlap2c(+305174)	N/A
Chr2	172867640	172867825	Chr2.193907	Bmp7(+72588), Tlap2c(+316742)	N/A
Chr2	172868017	172868169	Chr2.193911	Bmp7(+72228), Tlap2c(+317102)	N/A
Chr2	172869606	172869730	Chr2.193918	Bmp7(+70653), Tlap2c(+318677)	N/A
Chr2	172882444	172882585	Chr2.193936	Bmp7(+57806), Tlap2c(+331524)	N/A
Chr2	172911765	172911964	Chr2.193954	Bmp7(+28456), Tlap2c(+368674)	N/A
Chr2	172922062	172922165	Chr2.193963	Bmp7(+18207), Tlap2c(+371123)	N/A
Chr2	172922281	172922490	Chr2.193966	Bmp7(+17935), Tlap2c(+371395)	N/A
Chr2	172925090	172925261	Chr2.193970	Bmp7(+15145), Tlap2c(+374185)	N/A
Chr2	172929413	172929520	Chr2.193973	Bmp7(+10854), Tlap2c(+378476)	N/A
Chr2	172933720	172934235	Chr2.193984	Bmp7(+6343), Tlap2c(+382987)	N/A
Chr2	172934968	172935299	Chr2.193993	Bmp7(+5187), Tlap2c(+384143)	N/A
Chr2	172935922	172936128	Chr2.194004	Bmp7(+4296), Tlap2c(+385034)	N/A
Chr2	172936249	172936510	Chr2.194009	Bmp7(+3941), Tlap2c(+385389)	N/A
Chr2	172937044	172937184	Chr2.194015	Bmp7(+3207), Tlap2c(+386123)	N/A
Chr2	172937556	172937848	Chr2.194020	Bmp7(+2619), Tlap2c(+386711)	N/A
Chr2	172938675	172938798	Chr2.194026	Bmp7(+1584), Tlap2c(+387746)	N/A
Chr2	172938942	172939056	Chr2.194028	Bmp7(+1322), Tlap2c(+388008)	N/A
Chr2	172958554	172958809	Chr2.194028	Spo11(-21167), Bmp7(-18361)	N/A
Chr2	25245790	25246035	Chr2.19425	Rnf208(+2984), Ndor1(+9496)	N/A
Chr2	173168635	173168841	Chr2.194358	Pck1(+15690), Zbp1(+50185)	N/A
Chr2	173171626	173171782	Chr2.194363	Pck1(+18646), Zbp1(+47229)	N/A
Chr2	173173545	173173866	Chr2.194365	Pck1(+520658), Zbp1(+45217)	N/A
Chr2	173224464	173224564	Chr2.194376	Zbp1(-5591), Pmepa1(+52019)	N/A
Chr2	173238641	173238792	Chr2.194409	Zbp1(-19794), Pmepa1(+37816)	N/A
Chr2	173249574	173249699	Chr2.194419	Zbp1(-30714), Pmepa1(+26896)	N/A
Chr2	173251719	173251931	Chr2.194422	Zbp1(-32902), Pmepa1(+24708)	N/A
Chr2	173254183	173254404	Chr2.194430	Zbp1(-35371), Pmepa1(+22239)	N/A
Chr2	173266362	173266681	Chr2.194444	Zbp1(-47599), Pmepa1(+10011)	N/A
Chr2	173274798	173274866	Chr2.194451	Zbp1(-55925), Pmepa1(+1685)	N/A
Chr2	173275237	173275339	Chr2.194453	Zbp1(-56365), Pmepa1(+1245)	N/A
Chr2	173277279	173277383	Chr2.194457	Pmepa1(-798)	N/A
Chr2	173303388	173303266	Chr2.194462	170002107rk(-21409), Pmepa1(-26644)	N/A
Chr2	173352454	173352630	Chr2.194486	170002107rk(-170044), Pmepa1(-76009)	N/A
Chr2	173356531	173365916	Chr2.194488	170002107rk(-156812), Pmepa1(-89241)	N/A
Chr2	173380312	173380483	Chr2.194492	170002107rk(-142188), Pmepa1(-103865)	N/A
Chr2	173382326	173382440	Chr2.194496	170002107rk(-140203), Pmepa1(-105850)	N/A
Chr2	173395639	173395812	Chr2.194505	170002107rk(-126860), Pmepa1(-119193)	N/A
Chr2	173435668	173435778	Chr2.194516	Pmepa1(-159190), 170002107rk(-86863)	N/A
Chr2	173533366	173533494	Chr2.194546	170002107rk(+10844), Ankrd60(+44935)	N/A
Chr2	173584412	173584562	Chr2.194606	Rab22a(-75273), Ankrd60(-6122)	N/A
Chr2	173586945	173587108	Chr2.194613	Rab22a(-72733), Ankrd60(-8662)	N/A
Chr2	173594327	173594461	Chr2.194638	Rab22a(-65366), Ankrd60(-16029)	N/A
Chr2	173608724	173608885	Chr2.194670	Rab22a(-50955), Ankrd60(-30440)	N/A
Chr2	173659286	173659386	Chr2.194710	Rab22a(-424)	N/A
Chr2	173702394	173702650	Chr2.194754	170001060rk(-16893), Rab22a(+42762)	N/A
Chr2	173742082	173742313	Chr2.194784	Stx16(-334724), Vapb(+4687)	N/A
Chr2	173742818	173742959	Chr2.194791	Stx16(-334033), Vapb(+5378)	N/A
Chr2	173755441	173755644	Chr2.194817	Stx16(-321379), Vapb(+18032)	N/A
Chr2	173775979	173776011	Chr2.194850	Stx16(-300971), Vapb(+38434)	N/A
Chr2	173776865	173776964	Chr2.194856	Stx16(-300007), Vapb(+39404)	N/A
Chr2	173778804	173778929	Chr2.194866	Stx16(-298055), Vapb(+41356)	N/A
Chr2	173779258	173779384	Chr2.194869	Stx16(-297601), Vapb(+41810)	N/A
Chr2	173780833	173781023	Chr2.194871	Stx16(-295994), Vapb(+43417)	N/A
Chr2	173790602	173790714	Chr2.194884	Stx16(-286264), Vapb(+53147)	N/A
Chr2	173793550	173794187	Chr2.194894	Stx16(-283053), Vapb(+56586)	N/A
Chr2	173796423	173796581	Chr2.194931	Stx16(-280420), Vapb(+58991)	N/A
Chr2	173832750	173832981	Chr2.194963	Stx16(-244056), Vapb(+95355)	N/A
Chr2	173938580	173938680	Chr2.195025	Stx16(-138292), Vapb(+201119)	N/A
Chr2	173941258	173941388	Chr2.195032	Stx16(-135600), Vapb(+203811)	N/A
Chr2	174008895	174009023	Chr2.195082	Stx16(-67983), Vapb(+271448)	N/A
Chr2	174051063	174051221	Chr2.195097	Stx16(-25780), Vapb(+313631)	N/A
Chr2	174073539	174073870	Chr2.195108	Stx16(-3217)	N/A
Chr2	174074046	174074285	Chr2.195115	Stx16(-2756)	N/A
Chr2	174076205	174076367	Chr2.195120	Stx16(-636)	N/A
Chr2	174082337	174082745	Chr2.195128	Npep1(-27808), Stx16(+5619)	N/A
Chr2	174102411	174102621	Chr2.195192	Npep1(-7833), Stx16(+25594)	N/A
Chr2	174126925	174127072	Chr2.195276	Gnas(-170860), Npep1(+16650)	N/A
Chr2	174200896	174201147	Chr2.195295	Gnas(-96837), Npep1(+90673)	N/A
Chr2	174222467	174222578	Chr2.195322	Gnas(-75336), Npep1(+112174)	N/A
Chr2	174226371	174226472	Chr2.195329	Gnas(-71437), Npep1(+116073)	N/A
Chr2	174280746	174280863	Chr2.195334	Gnas(-70544), Npep1(+170459)	N/A
Chr2	174284217	174284419	Chr2.195393	Gnas(-13541), Npep1(+173969)	N/A
Chr2	174284615	174284912	Chr2.195398	Gnas(-13095), Npep1(+174415)	N/A
Chr2	174285037	174285467	Chr2.195401	Gnas(-12607), Npep1(+174903)	N/A
Chr2	174295427	174295577	Chr2.195423	Gnas(-2357)	N/A
Chr2	174297165	174297230	Chr2.195430	Gnas(-581)	N/A
Chr2	174300605	174300704	Chr2.195457	Neifcd(-115149), Gnas(-2796)	N/A
Chr2	174300959	174301086	Chr2.195462	Neifcd(-114781), Gnas(+3164)	N/A
Chr2	174309855	174309986	Chr2.195486	Neifcd(-105883), Gnas(+12062)	N/A
Chr2	174330307	174330433	Chr2.195539	Neifcd(-85434), Gnas(+32511)	N/A
Chr2	174331241	174331349	Chr2.195543	Neifcd(-84509), Gnas(+33436)	N/A
Chr2	174331849	174331965	Chr2.195549	Neifcd(-83897), Gnas(+34048)	N/A
Chr2	174332213	174332379	Chr2.195552	Neifcd(-83508), Gnas(+34437)	N/A
Chr2	174335978	174336082	Chr2.195573	Neifcd(-79774), Gnas(+38171)	N/A
Chr2	174336460	174336575	Chr2.195578	Neifcd(-79286), Gnas(+38659)	N/A
Chr2	174336702	174336916	Chr2.195582	Neifcd(-78995), Gnas(+38950)	N/A
Chr2	174337532	174337682	Chr2.195589	Neifcd(-78197), Gnas(+39748)	N/A
Chr2	174343779	174343918	Chr2.195607	Neifcd(-71955), Gnas(+45990)	N/A
Chr2	174540103	174540361	Chr2.195934	Zfp831(-103302), Prcid3b(-67151)	N/A
Chr2	174598537	174598747	Chr2.195965	Prcid3b(-125561), Zfp831(-44892)	N/A
Chr2	174598856	174599156	Chr2.195967	Prcid3b(-125925), Zfp831(-44528)	N/A
Chr2	174599376	174599510	Chr2.195974	Prcid3b(-126362), Zfp831(-44091)	N/A
Chr2	174599800	174600024	Chr2.195979	Prcid3b(-126861), Zfp831(-43572)	N/A
Chr2	174600112	174600250	Chr2.195981	Prcid3b(-127100), Zfp831(-43353)	N/A
Chr2	174673271	174673524	Chr2.196105	Edn3(-87221), Zfp831(-29864)	N/A
Chr2	174727346	174727446	Chr2.196169	Edn3(-33223), Zfp831(+83862)	N/A
Chr2	174734017	174734139	Chr2.196178	Edn3(-26541), Zfp831(+90544)	N/A
Chr2	174769092	174769262	Chr2.196211	Gm14444(-241142), Edn3(+18558)	N/A
Chr2	174782767	174782873	Chr2.196232	Gm14444(-227499), Edn3(-22201)	N/A
Chr2	174868796	174868932	Chr2.196281	Gm14444(-141455), Edn3(+108245)	N/A
Chr2	174881864	174881971	Chr2.196299	Gm14444(-128401), Edn3(+121299)	N/A
Chr2	178141857	178141960	Chr2.196318	Zfp931(-63484), Phacr3(-33440)	N/A
Chr2	178142381	178142495	Chr2.196322	Zfp931(-64013), Phacr3(-32911)	N/A
Chr2	5237005	5237166	Chr2.1965	Ccdc3(-99310), Camk1d(+77429)	N/A
Chr2	178455112	178455340	Chr2.196507	Cdh4(-98720), Cdh26(+2462)	N/A
Chr2	25292043	25292155	Chr2.19665	Lrrc26(+2184), Gm1(-27021)	N/A
Chr2	178506446	178506559	Chr2.196654	Cdh4(-935928), Cdh26(+75896)	N/A
Chr2	25292189	25292333	Chr2.19666	Lrrc26(+2346), Gm1(+26859)	N/A
Chr2	178504739	178504868	Chr2.196700	Cdh4(-87827), Cdh26(+134197)	N/A
Chr2	25293809	25293924	Chr2.19671	Lrrc26(-3952), Gm1(+25253)	N/A
Chr2	178630084	178630228	Chr2.196741	Cdh4(-812275), Cdh26(+19549)	N/A
Chr2	178671484	178671645	Chr2.196762	Cdh4(-770866), Cdh26(+240958)	N/A
Chr2	178909514	178909624	Chr2.196940	Cdh4(-532862), Cdh26(+478962)	N/A
Chr2	178959666	178959855	Chr2.196992	Cdh4(-482870), Cdh26(+520154)	N/A
Chr2	524151570	5241773	Chr2.1970	Ccdc3(-103899), Camk1d(+72843)	N/A
Chr2	178967548	178967702	Chr2.197000	Cdh4(-47486), Cdh26(+537018)	N/A
Chr2	179000641	179000799	Chr2.197032	Cdh4(-441711), Cdh26(+570113)	N/A
Chr2	197109636	197109904	Chr2.197083	Cdh4(-332661), Cdh26(+679163)	N/A
Chr2	179265446	179265578	Chr2.197156	Cdh4(-176919), Cdh26(+834905)	N/A
Chr2	179400726	179400843	Chr2.197238	Cdh4(-41646), Cdh26(+970178)	N/A
Chr2	179565754	179566115	Chr2.197392	Gm10711(-327894), Cdh4(-123494)	N/A
Chr2	179687375	179687504	Chr2.197478	Gm10711(-205469), Cdh4(+245009)	N/A
Chr2	179795667	179795825	Chr2.197576	Gm10711(-98163), Cdh4(+353315)	N/A
Chr2	180028930	180029092	Chr2.197825	Lsm14b(+4024), Pama7(+13422)	N/A
Chr2	180034360	180034495	Chr2.197849	Pama7(+8005), Lsm14b(+9441)	N/A
Chr2	180035354	180035460	Chr2.197857	Pama7(+7026), Lsm14b(+10420)	N/A
Chr2	180115990	180116165	Chr2.198039	Cdh2p(-3228)	N/A
Chr2	5294404	5294628	Chr2.1981	Ccdc3(+156740), Camk1d(+419999)	N/A
Chr2	180215164	180215290	Chr2.198592	Lama5(+10632), Adrm1(+43742)	N/A
Chr2	180303486	180303646	Chr2.198691	Rbbp8n(-13687), Gata5(+31133)	N/A
Chr2	180385432	180385619	Chr2.198763	Sicofa1(-75453), Gata5(-50827)	N/A
Chr2	180386222	180386343	Chr2.198769	Sicofa1(-71696), Gata5(-54584)	N/A
Chr2	180709800	180710091	Chr2.199253	Gt8(-2510)	N/A

Chr2	181147701	181147858 Chr2.199835	Kcnq2(-12677),Eef1a2(+9234)	N/A
Chr2	181156713	181156850 Chr2.199873	Eef1a2(+232)	N/A
Chr2	181385555	181385670 Chr2.200711	Lime1(+4378),Zbtb46(+73813)	N/A
Chr2	181386116	181386229 Chr2.200711	Lime1(+4938),Zbtb46(+73853)	N/A
Chr2	181458084	181458269 Chr2.200834	Zbtb46(+1249),Lime1(+76942)	N/A
Chr2	181460560	181460682 Chr2.200841	Zbtb46(-1195)	N/A
Chr2	181487354	181487544 Chr2.200860	Zbtb46(-28023),Abhd16b(-5757)	N/A
Chr2	181497097	181497211 Chr2.200899	Tpd52a(-11)	N/A
Chr2	181645955	181646080 Chr2.201183	Sox18(+26822),Prpf6(+44699)	N/A
Chr2	181659866	181659999 Chr2.201242	Sox18(+11707),Prpf6(+58614)	N/A
Chr2	181675592	181675694 Chr2.201261	Tcea2(-4667),Sox18(-4003)	N/A
Chr2	181724177	181724323 Chr2.201375	Myt1(-39082),Oprf1(+9234)	N/A
Chr2	181763929	181764148 Chr2.201395	Myt1(+707)	N/A
Chr2	181765314	181765587 Chr2.201401	Pcmid2(-72403),Myt1(+2119)	N/A
Chr2	181769966	181767237 Chr2.201414	Pcmid2(-70753),Myt1(+3719)	N/A
Chr2	26040119	26040230 Chr2.21336	Ubac1(-18428),Nacc2(+52002)	N/A
Chr2	26091920	26092353 Chr2.21429	Nacc2(+40)	N/A
Chr2	26099649	26099815 Chr2.21441	Nacc2(-7555),Lhx3(+106843)	N/A
Chr2	26117045	26117150 Chr2.21448	Nacc2(-24921),Lhx3(+89477)	N/A
Chr2	26138281	26138806 Chr2.21458	Nacc2(-46417),Lhx3(+67981)	N/A
Chr2	26156565	26156730 Chr2.21473	Nacc2(-64471),Lhx3(+49927)	N/A
Chr2	26175371	26175555 Chr2.21487	Nacc2(-83286),Lhx3(+31112)	N/A
Chr2	5672867	5672967 Chr2.2163	Camk1d(+41598),Cdc3(+535141)	N/A
Chr2	26348118	26348236 Chr2.21793	Dniz(+3933),Gpsm1(+28404)	N/A
Chr2	5727604	5727744 Chr2.2202	Nudt5(-117345),Camk1d(-13159)	N/A
Chr2	5730376	5730640 Chr2.2208	Nudt5(-114511),Camk1d(-15993)	N/A
Chr2	26409432	26409532 Chr2.22100	Inpp5a(-282)	N/A
Chr2	5749820	5749919 Chr2.2214	Nudt5(-95149),Camk1d(-35355)	N/A
Chr2	26488922	26489057 Chr2.22634	Sec16a(-43774),Notch1(+14832)	N/A
Chr2	26500633	26500780 Chr2.22643	Sec16a(-55491),Notch1(+3115)	N/A
Chr2	26502391	26502496 Chr2.22657	Sec16a(-57228),Notch1(+1378)	N/A
Chr2	26508249	26508479 Chr2.22668	Notch1(-4542)	N/A
Chr2	26583733	26583850 Chr2.22695	Egfr7(+2736),Agpat2(+20540)	N/A
Chr2	26639191	26639319 Chr2.22804	Dipk1b(+10798),Lcn4(+32027)	N/A
Chr2	27079208	27079446 Chr2.23350	Adamts2(-52)	N/A
Chr2	27079828	27079953 Chr2.23354	Adamts2(+512)	N/A
Chr2	27412307	27412134 Chr2.23856	Sawh1(-16480),Vav2(+14962)	N/A
Chr2	27539805	27539930 Chr2.23985	Rxra(-137333),Wdr5(+24711)	N/A
Chr2	27562681	27562862 Chr2.23994	Rxra(-114429),Wdr5(+47615)	N/A
Chr2	27572780	27573060 Chr2.24001	Rxra(-104281),Wdr5(+57763)	N/A
Chr2	27582078	27582233 Chr2.24011	Rxra(-95045),Wdr5(+66999)	N/A
Chr2	27634089	27634330 Chr2.24032	Rxra(-42991),Wdr5(+19053)	N/A
Chr2	27635609	27635720 Chr2.24035	Rxra(-41537),Wdr5(+120507)	N/A
Chr2	27641122	27641221 Chr2.24040	Rxra(-36029),Wdr5(+126015)	N/A
Chr2	27667822	27667921 Chr2.24042	Rxra(-9329),Wdr5(+152715)	N/A
Chr2	27672191	27672374 Chr2.24044	Rxra(-4918)	N/A
Chr2	27679183	27679322 Chr2.24049	Col5a1(-207172),Rxra(+2052)	N/A
Chr2	27679861	27679961 Chr2.24051	Col5a1(-208514),Rxra(-2710)	N/A
Chr2	27681880	27682017 Chr2.24055	Col5a1(-204476),Rxra(+4748)	N/A
Chr2	27684072	27684302 Chr2.24056	Col5a1(-202238),Rxra(+6986)	N/A
Chr2	27695092	27695238 Chr2.24064	Col5a1(-191260),Rxra(+17964)	N/A
Chr2	27699020	27699183 Chr2.24071	Col5a1(-187323),Rxra(+21901)	N/A
Chr2	27703422	27703528 Chr2.24073	Col5a1(-182950),Rxra(+26274)	N/A
Chr2	27712572	27712599 Chr2.24078	Col5a1(-161289),Rxra(+47935)	N/A
Chr2	27725371	27725478 Chr2.24081	Col5a1(-161000),Rxra(+48224)	N/A
Chr2	27761628	27761759 Chr2.24140	Col5a1(-124731),Rxra(+84493)	N/A
Chr2	27762250	27762425 Chr2.24144	Col5a1(-124087),Rxra(+85137)	N/A
Chr2	27762483	27762586 Chr2.24150	Col5a1(-123899),Rxra(+85334)	N/A
Chr2	27788824	27789004 Chr2.24177	Col5a1(+2469),Fcnb(-195971)	N/A
Chr2	5951035	5951137 Chr2.2428	Uplf(-383)	N/A
Chr2	28193365	28193486 Chr2.24516	Fcnb(-108541),Olfm1(-12233)	N/A
Chr2	28214040	28214156 Chr2.24540	Ppp1r2b(-233843),Olfm1(+8439)	N/A
Chr2	28279091	28279195 Chr2.24604	Ppp1r2b(-168798),Olfm1(+73484)	N/A
Chr2	28296302	28296416 Chr2.24621	Ppp1r2b(-151582),Olfm1(+90700)	N/A
Chr2	28385096	28385230 Chr2.24645	Ppp1r2b(-62778),Olfm1(+79554)	N/A
Chr2	28387504	28387653 Chr2.24648	Ppp1r2b(-60362),Olfm1(+181920)	N/A
Chr2	28404706	28404848 Chr2.24662	Ppp1r2b(-43164),Olfm1(+199118)	N/A
Chr2	28529653	28529774 Chr2.24824	Ralgds(-3828)	N/A
Chr2	6055417	6055646 Chr2.2486	Proser2(+74614),Uplf2(+104063)	N/A
Chr2	28598173	28598410 Chr2.25094	Gtf3c5(-15013),Gtf1b(+23690)	N/A
Chr2	28599271	28599454 Chr2.25101	Gtf3c5(-16094),Gtf1b(+22519)	N/A
Chr2	28599490	28599642 Chr2.25106	Gtf3c5(-16287),Gtf1b(+22416)	N/A
Chr2	28621929	28622113 Chr2.25164	Gtf1b(-39)	N/A
Chr2	28641182	28641337 Chr2.25174	Tsc1(+23)	N/A
Chr2	28642773	28642962 Chr2.25181	Tsc1(+1631),Spaca9(+56815)	N/A
Chr2	28687386	28687550 Chr2.25279	Spaca9(+12219),Tsc1(+46231)	N/A
Chr2	28698080	28698246 Chr2.25315	Ak8(-2001),Spaca9(+1520)	N/A
Chr2	28727772	28728188 Chr2.25359	Ak8(+27816),Gtf3c4(+112306)	N/A
Chr2	28751197	28751564 Chr2.25421	Ak8(+51217),Gtf3c4(+88905)	N/A
Chr2	28752019	28752157 Chr2.25427	Ak8(+51924),Gtf3c4(+88198)	N/A
Chr2	28756986	28756996 Chr2.25433	Ak8(+56630),Gtf3c4(+83490)	N/A
Chr2	28771360	28771517 Chr2.25452	Gtf3c4(+68947),Ak8(+11276)	N/A
Chr2	28774221	28774391 Chr2.25461	Gtf3c4(+65980),Ak8(+74142)	N/A
Chr2	28776219	28776330 Chr2.25465	Gtf3c4(+64011),Ak8(+76111)	N/A
Chr2	28797487	28797916 Chr2.25498	Gtf3c4(+42584),Ak8(+97538)	N/A
Chr2	6129022	6129131 Chr2.2561	Proser2(+1069),Uplf2(+177608)	N/A
Chr2	28884635	28884639 Chr2.25704	Barhl1(-31830),Dox3(+44123)	N/A
Chr2	28887143	28887269 Chr2.25725	Barhl1(-29200),Dox3(+46747)	N/A
Chr2	28891020	28891275 Chr2.25733	Barhl1(+25264),Dox3(+50689)	N/A
Chr2	28893597	28893863 Chr2.25745	Barhl1(+22682),Dox3(+53271)	N/A
Chr2	6159846	6159979 Chr2.2578	Proser2(-29767),Echdc3(+53120)	N/A
Chr2	28944075	28944308 Chr2.25850	Barhl1(-27780),Clap77(+110872)	N/A
Chr2	28950696	28950914 Chr2.25866	Barhl1(-34393),Clap77(+104259)	N/A
Chr2	28953127	28953258 Chr2.25869	Barhl1(-36781),Clap77(+101871)	N/A
Chr2	28966214	28966356 Chr2.25881	Barhl1(-49873),Clap77(+88779)	N/A
Chr2	28974707	28974807 Chr2.25901	Barhl1(-58345),Clap77(+80307)	N/A
Chr2	28978630	28978784 Chr2.25911	Barhl1(-62280),Clap77(+76372)	N/A
Chr2	28980573	28980699 Chr2.25917	Barhl1(-64354),Clap77(+74268)	N/A
Chr2	29016779	29017027 Chr2.25970	Barhl1(-100491),Clap77(+38161)	N/A
Chr2	29041075	29041262 Chr2.26038	Barhl1(-124757),Clap77(+13895)	N/A
Chr2	29051531	29051653 Chr2.26052	Barhl1(-135180),Clap77(+3472)	N/A
Chr2	29051690	29051931 Chr2.26054	Barhl1(-135399),Clap77(+3253)	N/A
Chr2	29201615	29201754 Chr2.26280	Ntng2(+46355),Sebx(+76693)	N/A
Chr2	29219363	29219520 Chr2.26306	Ntng2(-28598),Sebx(+94450)	N/A
Chr2	29252914	29253152 Chr2.26389	Ntng2(-4993)	N/A
Chr2	29253493	29253652 Chr2.26392	Med27(-93246),Ntng2(-5533)	N/A
Chr2	29287439	29287550 Chr2.26440	Med27(-59324),Ntng2(-39455)	N/A
Chr2	6255615	6255746 Chr2.2650	Usp6n(-97052),Echdc3(-42648)	N/A
Chr2	29407631	29407897 Chr2.26573	Rapgef1(-211950),Med27(+60949)	N/A
Chr2	29439815	29439920 Chr2.26646	Rapgef1(-179852),Med27(+92049)	N/A
Chr2	29468457	29468739 Chr2.26697	Rapgef1(-151122),Med27(+121779)	N/A
Chr2	29468994	29469139 Chr2.26701	Rapgef1(-150653),Med27(+122248)	N/A
Chr2	29472911	29473035 Chr2.26710	Rapgef1(-146747),Med27(+126154)	N/A
Chr2	29495463	29495601 Chr2.26733	Rapgef1(-124178),Med27(+148723)	N/A
Chr2	6321895	6322117 Chr2.2675	Echdc3(-108973),Usp6n(-30727)	N/A
Chr2	29512933	29513076 Chr2.26760	Rapgef1(-106715),Med27(+166186)	N/A
Chr2	29565751	29565871 Chr2.26809	Rapgef1(-53909),Med27(+218992)	N/A
Chr2	29574337	29574464 Chr2.26818	Rapgef1(-45319),Med27(+227582)	N/A
Chr2	29591783	29591882 Chr2.26832	Rapgef1(-27887),Med27(+245014)	N/A
Chr2	6331666	6331846 Chr2.2684	Echdc3(-118723),Usp6n(-20977)	N/A
Chr2	29624767	29624892 Chr2.26849	Gm13547(-136698),Rapgef1(+5110)	N/A
Chr2	29646619	29646727 Chr2.26857	Gm13547(-114855),Rapgef1(+26953)	N/A
Chr2	29649285	29649424 Chr2.26860	Gm13547(-112173),Rapgef1(+29635)	N/A
Chr2	29662000	29662104 Chr2.26868	Gm13547(-99476),Rapgef1(+42332)	N/A
Chr2	6338005	6338107 Chr2.2694	Echdc3(-125023),Usp6n(-14677)	N/A
Chr2	6335251	63352475 Chr2.2707	Usp6n(-320)	N/A
Chr2	29820286	29820626 Chr2.27183	Urm1(-6886),Slc27a4(+17822)	N/A
Chr2	29827307	29827473 Chr2.27192	Urm1(+48)	N/A
Chr2	29835511	29835900 Chr2.27210	Cercam(-33788),Urm1(+8364)	N/A
Chr2	29839377	29839505 Chr2.27215	Cercam(-30053),Urm1(+12099)	N/A
Chr2	29839537	29839684 Chr2.27216	Cercam(-29883),Urm1(+12269)	N/A
Chr2	6360476	6360581 Chr2.2722	Usp6n(-7796),Ccl2(+52467)	N/A
Chr2	29840882	29841060 Chr2.27225	Cercam(-28623),Urm1(+13629)	N/A
Chr2	29845632	29845773 Chr2.27242	Cercam(-23791),Urm1(+18361)	N/A
Chr2	29846308	29846450 Chr2.27247	Cercam(-23115),Urm1(+19037)	N/A
Chr2	29853084	29853479 Chr2.27252	Cercam(-16212),Urm1(+25940)	N/A
Chr2	29856687	29856887 Chr2.27260	Cercam(-12902),Urm1(+29262)	N/A
Chr2	29856716	29857049 Chr2.27281	Cercam(-12611),Urm1(+29541)	N/A

Chr2	29858087	29858366	Chr2.27263	Cercam(-11267),Ulm1(+30885)	N/A
Chr2	29858633	29858735	Chr2.27269	Cercam(-10810),Ulm1(+31342)	N/A
Chr2	29870379	29870494	Chr2.27274	26000080(rik1-852),Cercam(+943)	N/A
Chr2	29889715	29889816	Chr2.27361	Cdf2(-51)	N/A
Chr2	29890756	29891056	Chr2.27367	Gle1(-44520),Cdf2(+1089)	N/A
Chr2	29892891	29893192	Chr2.27376	Gle1(-42384),Cdf2(+3225)	N/A
Chr2	29964469	29964579	Chr2.27510	Sptan1(-1036)	N/A
Chr2	29965225	29965338	Chr2.27513	Sptan1(-278)	N/A
Chr2	29965823	29967037	Chr2.27518	Sptan1(+1370),Wdr34(+81951)	N/A
Chr2	29967115	29967269	Chr2.27520	Sptan1(+1632),Wdr34(+81689)	N/A
Chr2	29972429	29972614	Chr2.27552	Sptan1(+6952),Wdr34(+76359)	N/A
Chr2	30077682	30077788	Chr2.27882	Pkn3(-849)	N/A
Chr2	30078512	30078695	Chr2.27885	Pkn3(+20)	N/A
Chr2	30123919	30124121	Chr2.28077	Zer1(+434)	N/A
Chr2	30237919	30237723	Chr2.28252	Lncba(-51)	N/A
Chr2	30240566	30240682	Chr2.28284	Phyhd1(-25905),Lncba(+2902)	N/A
Chr2	30258708	30258815	Chr2.28336	Phyhd1(-7767),Lncba(+21040)	N/A
Chr2	6448952	6449053	Chr2.2853	Usp6n1(+96270),Cell2(+435993)	N/A
Chr2	30347442	30347641	Chr2.28619	Sh3glb2(+11774),Nup188(+61145)	N/A
Chr2	30349017	30349128	Chr2.28623	Sh3glb2(+10243),Nup188(+62676)	N/A
Chr2	6459670	6459788	Chr2.2864	Usp6n1(+10696),Cell2(+423267)	N/A
Chr2	30392199	30392518	Chr2.28743	Dolpp1(+105)	N/A
Chr2	6498390	6498611	Chr2.2875	Usp6n1(+145768),Cell2(+386495)	N/A
Chr2	30392613	30392741	Chr2.28750	Dolpp1(+423)	N/A
Chr2	30398119	30398224	Chr2.28769	Dolpp1(+5918),Craf(+17599)	N/A
Chr2	30399135	30399384	Chr2.28771	Dolpp1(+7006),Craf(+16511)	N/A
Chr2	30400266	30400392	Chr2.28778	Dolpp1(+8075),Craf(+15442)	N/A
Chr2	30400424	30400524	Chr2.28781	Dolpp1(+8220),Craf(+15297)	N/A
Chr2	6523568	6523701	Chr2.2887	Usp6n1(+170902),Cell2(+361361)	N/A
Chr2	30413856	30414032	Chr2.28872	Ptpa(-2095),Craf(+1827)	N/A
Chr2	30441750	30441986	Chr2.28913	Ptpa(+25829),Ier5(+32331)	N/A
Chr2	30470679	30470815	Chr2.28936	Ier5(+3452),Ptpa(+54708)	N/A
Chr2	30471510	30471638	Chr2.28938	Ier5(+2625),Ptpa(+55535)	N/A
Chr2	30471743	30471889	Chr2.28939	Ier5(+2383),Ptpa(+55777)	N/A
Chr2	30472133	30472319	Chr2.28941	Ier5(+1973),Ptpa(+56187)	N/A
Chr2	30472562	30472663	Chr2.28945	Ier5(+1586),Ptpa(+56574)	N/A
Chr2	30474282	30474468	Chr2.28955	Ier5(-175)	N/A
Chr2	30504023	30504207	Chr2.28965	Cstad(-90925),Ier5(-29916)	N/A
Chr2	30510690	30510859	Chr2.28966	Cstad(-84265),Ier5(-36576)	N/A
Chr2	30525253	30525453	Chr2.28967	Cstad(-69687),Ier5(-51154)	N/A
Chr2	30540482	30540654	Chr2.28974	Ier5(-66369),Cstad(-54472)	N/A
Chr2	30541624	30541729	Chr2.28979	Ier5(-67478),Cstad(-53363)	N/A
Chr2	30567508	30567720	Chr2.28983	Ier5(-93415),Cstad(-27426)	N/A
Chr2	30593732	30593951	Chr2.28986	Cstad(-1198)	N/A
Chr2	30594837	30595124	Chr2.28990	Cstad(-69)	N/A
Chr2	30606765	30607123	Chr2.28996	Cstad(+11904),1700001o22n1k(+194763)	N/A
Chr2	30618862	30619046	Chr2.29002	Cstad(+23914),1700001o22n1k(+182753)	N/A
Chr2	30667590	30667729	Chr2.29011	Cstad(+72620),1700001o22n1k(+134047)	N/A
Chr2	30677212	30677323	Chr2.29014	Cstad(+82228),1700001o22n1k(+124439)	N/A
Chr2	30687306	30687425	Chr2.29017	Cstad(+92326),1700001o22n1k(+114341)	N/A
Chr2	30693334	30693439	Chr2.29019	Cstad(+98347),1700001o22n1k(+108320)	N/A
Chr2	30711866	30712006	Chr2.29021	1700001o22n1k(+89771),Cstad(+116896)	N/A
Chr2	30722098	30722246	Chr2.29028	1700001o22n1k(+79539),Cstad(+127132)	N/A
Chr2	30737900	30738046	Chr2.29034	1700001o22n1k(+63734),Cstad(+142933)	N/A
Chr2	30833679	30833856	Chr2.29134	Asb6(-3435)	N/A
Chr2	30836259	30836493	Chr2.29142	Prrx2(-8683),Asb6(-6043)	N/A
Chr2	30836522	30836755	Chr2.29146	Prrx2(-8420),Asb6(-6306)	N/A
Chr2	30848341	30848540	Chr2.29154	Prrx2(+3382),Piges(+54856)	N/A
Chr2	30852989	30853103	Chr2.29161	Prrx2(+7987),Piges(+50251)	N/A
Chr2	30853136	30853292	Chr2.29164	Prrx2(+8155),Piges(+6008)	N/A
Chr2	30874182	30874500	Chr2.29171	Piges(+28956),Prrx2(+29282)	N/A
Chr2	6546831	6546886	Chr2.2942	Usp6n1(+194176),Cell2(+338087)	N/A
Chr2	31026211	31026319	Chr2.29502	Usp20(+43986),Fnbp1(+115743)	N/A
Chr2	6558491	6558626	Chr2.2959	Usp6n1(+205827),Cell2(+326436)	N/A
Chr2	31058418	31068624	Chr2.29605	Fnbp1(+73487),Usp20(+86542)	N/A
Chr2	31110411	31110522	Chr2.29635	Fnbp1(+31541),Usp20(+128188)	N/A
Chr2	31137109	31137280	Chr2.29639	Fnbp1(+4813),Usp20(+154916)	N/A
Chr2	31206972	31207155	Chr2.29686	Ncs1(-38759),Gpr107(+54748)	N/A
Chr2	6594821	6594964	Chr2.2983	Usp6n1(+242160),Cell2(+290103)	N/A
Chr2	6607773	6608115	Chr2.3017	Usp6n1(+255211),Cell2(+277052)	N/A
Chr2	31485534	31485634	Chr2.30488	Fubp3(-87141),Ass1(+15377)	N/A
Chr2	31489263	31489499	Chr2.30498	Fubp3(-83344),Ass1(+19174)	N/A
Chr2	31493391	31493522	Chr2.30509	Fubp3(-79268),Ass1(+23250)	N/A
Chr2	31494430	31494596	Chr2.30512	Fubp3(-78212),Ass1(+24306)	N/A
Chr2	31497567	31497768	Chr2.30521	Fubp3(-75057),Ass1(+27461)	N/A
Chr2	31497838	31497980	Chr2.30523	Fubp3(-74816),Ass1(+27702)	N/A
Chr2	31502763	31502882	Chr2.30542	Fubp3(-69902),Ass1(+32616)	N/A
Chr2	31511572	31511697	Chr2.30562	Fubp3(-61090),Ass1(+41428)	N/A
Chr2	31513719	31513826	Chr2.30566	Fubp3(-58952),Ass1(+43566)	N/A
Chr2	31520074	31520228	Chr2.30578	Fubp3(-52574),Ass1(+49944)	N/A
Chr2	31525864	31526036	Chr2.30587	Fubp3(-46775),Ass1(+55143)	N/A
Chr2	31530443	31530488	Chr2.30596	Fubp3(-42359),Ass1(+60209)	N/A
Chr2	31537132	31537298	Chr2.30604	Fubp3(-35510),Ass1(+67008)	N/A
Chr2	31547741	31548067	Chr2.30615	Fubp3(-24821),Ass1(+77697)	N/A
Chr2	31573614	31573856	Chr2.30626	Pdm12(-66302),Fubp3(+1010)	N/A
Chr2	31573886	31574183	Chr2.30629	Pdm12(-66012),Fubp3(+1300)	N/A
Chr2	31591756	31591860	Chr2.30641	Pdm12(-46229),Fubp3(+1908)	N/A
Chr2	31612083	31612371	Chr2.30708	Pdm12(-27810),Fubp3(+39502)	N/A
Chr2	31618507	31618636	Chr2.30732	Pdm12(-21465),Fubp3(+45847)	N/A
Chr2	31635860	31636146	Chr2.30739	Pdm12(-4034)	N/A
Chr2	31636822	31637020	Chr2.30743	Pdm12(-3116)	N/A
Chr2	31639636	31639743	Chr2.30745	Pdm12(-347)	N/A
Chr2	31689115	31689353	Chr2.30815	Abf1(-61)	N/A
Chr2	31749464	31749643	Chr2.30832	Abf1(+60259),Qrpf(+61026)	N/A
Chr2	31761305	31761427	Chr2.30841	Qrpf(+49214),Abf1(+72071)	N/A
Chr2	31769588	31769805	Chr2.30846	Qrpf(+40883),Abf1(+80402)	N/A
Chr2	31770783	31770953	Chr2.30866	Qrpf(+39712),Abf1(+81573)	N/A
Chr2	31771129	31771284	Chr2.30860	Qrpf(+39373),Abf1(+81912)	N/A
Chr2	31781783	31781897	Chr2.30874	Qrpf(+28740),Abf1(+92545)	N/A
Chr2	31806900	31807187	Chr2.31006	Qrpf(+3536),Abf1(+117749)	N/A
Chr2	31827983	31828093	Chr2.31063	Qrpf(-17458),Fibcd1(+17967)	N/A
Chr2	31846517	31846662	Chr2.31123	Fibcd1(-585)	N/A
Chr2	31859041	31859216	Chr2.31143	Lamc3(-28215),Fibcd1(-13124)	N/A
Chr2	31865752	31865883	Chr2.31146	Lamc3(-21526),Fibcd1(-18013)	N/A
Chr2	31865916	31866025	Chr2.31151	Lamc3(-21373),Fibcd1(-19968)	N/A
Chr2	31899717	31899856	Chr2.31198	Alf1(-50473),Lamc3(+12443)	N/A
Chr2	31951892	31952026	Chr2.31403	Nup214(-22477),Alf1(+1699)	N/A
Chr2	31953880	31954000	Chr2.31405	Nup214(-20496),Alf1(+3680)	N/A
Chr2	31954696	31954864	Chr2.31415	Nup214(-19656),Alf1(+4520)	N/A
Chr2	31952711	31962894	Chr2.31428	Nup214(-11633),Alf1(-12543)	N/A
Chr2	32078722	32078838	Chr2.31665	Fam78a(+5003),Nup214(+104344)	N/A
Chr2	32079411	32079609	Chr2.31669	Fam78a(+4273),Nup214(+105074)	N/A
Chr2	32083031	32083154	Chr2.31680	Fam78a(+690)	N/A
Chr2	32088919	32088920	Chr2.31686	Pfpp1(-6658),Fam78a(-5087)	N/A
Chr2	32095527	32095723	Chr2.31688	Pfpp1(-97)	N/A
Chr2	32159840	32159948	Chr2.31724	Pont1(-76691),Prrc2b(+8751)	N/A
Chr2	32234397	32234538	Chr2.31984	Pont1(-2122)	N/A
Chr2	32307771	32307914	Chr2.32256	Ciz1(-44484),Golga2(+19590)	N/A
Chr2	32308787	32309080	Chr2.32265	Ciz1(-43393),Golga2(+20681)	N/A
Chr2	32309536	32309666	Chr2.32271	Ciz1(-42724),Golga2(+21350)	N/A
Chr2	32310382	32310509	Chr2.32276	Ciz1(-41881),Golga2(+22193)	N/A
Chr2	32310701	32310842	Chr2.32281	Ciz1(-41555),Golga2(+22519)	N/A
Chr2	32311844	32311944	Chr2.32284	Ciz1(-40433),Golga2(+23641)	N/A
Chr2	32318055	32318160	Chr2.32308	Ciz1(-34219),Golga2(+29855)	N/A
Chr2	32320191	32320300	Chr2.32319	Ciz1(-32081),Golga2(+31993)	N/A
Chr2	6721823	6721958	Chr2.32323	Cell2(+163105),Usp6n(+369158)	N/A
Chr2	32333038	32333209	Chr2.32348	Ciz1(-19203),Golga2(+44871)	N/A
Chr2	32333882	32333990	Chr2.32354	Ciz1(-18391),Golga2(+45683)	N/A
Chr2	6722089	6722405	Chr2.3237	Cell2(+162749),Usp6n(+369514)	N/A
Chr2	6730003	67300104	Chr2.3252	Cell2(+154942),Usp6n(+377321)	N/A
Chr2	32414490	32414617	Chr2.32522	Naif1(-35953),Piges2(+18658)	N/A
Chr2	32423791	32423953	Chr2.32580	Naif1(-36585),Piges2(+27976)	N/A
Chr2	32428484	32428730	Chr2.32594	Naif1(-261850),Piges2(+32711)	N/A
Chr2	32430524	32430747	Chr2.32598	Naif1(-19821),Piges2(+34740)	N/A
Chr2	32431179	32431285	Chr2.32606	Naif1(-19225),Piges2(+35336)	N/A
Chr2	32537183	32537283	Chr2.32682	Dpm2(-33625),Fam102a(+1674)	N/A
Chr2	32549782	32549882	Chr2.32700	Dpm2(-21026),Fam102a(+14479)	N/A
Chr2	32549987	32550089	Chr2.32704	Dpm2(-20820),Fam102a(+14679)	N/A

Chr2	32552222	32552361	Chr2.32706	Dpm2(-18566),Fam102a(+16933)	N/A
Chr2	32575742	32575906	Chr2.32800	94300970d7rn(-140),Pip5k1(+106)	N/A
Chr2	32619705	32619876	Chr2.32837	Ak1(-9713),StbgaInac5(+12765)	N/A
Chr2	32638051	32638240	Chr2.32874	Eng(-9449),Ak1(+8642)	N/A
Chr2	32642841	32642951	Chr2.32980	Eng(-3699)	N/A
Chr2	32646510	32646617	Chr2.32986	Eng(-31)	N/A
Chr2	32655867	32656116	Chr2.32998	Eng(+9397),Fpgs(+38193)	N/A
Chr2	32661752	32661877	Chr2.33013	Eng(+15220),Fpgs(+32370)	N/A
Chr2	32665195	32665391	Chr2.33015	Eng(+16048),Fpgs(+28892)	N/A
Chr2	32718820	32718952	Chr2.33169	Sh2d3c(-2169)	N/A
Chr2	32720966	32721083	Chr2.33174	Sh2d3c(-30)	N/A
Chr2	32730922	32731181	Chr2.33189	6330409d20rk(+9964),Sh2d3c(+9997)	N/A
Chr2	32735006	32735107	Chr2.33194	6330409d20rk(+5959),Sh2d3c(+14002)	N/A
Chr2	32742379	32742531	Chr2.33203	6330409d20rk(-1439)	N/A
Chr2	6789657	6789782	Chr2.33227	Celf2(+95278),Usp6n(+436987)	N/A
Chr2	32754601	32754702	Chr2.33278	Tor2a(-2583)	N/A
Chr2	32757030	32757129	Chr2.33284	Tor2a(-154)	N/A
Chr2	32829482	32829583	Chr2.33536	Cfap157(-45105),Stxbp1(+17631)	N/A
Chr2	32856140	32856325	Chr2.33543	Fam129b(-19881),Stxbp1(-9069)	N/A
Chr2	32859688	32872016	Chr2.33554	Stxbp1(-22338),Fam129b(-6012)	N/A
Chr2	32877844	32878009	Chr2.33562	Rpl12(-83632),Fam129b(+1811)	N/A
Chr2	32878185	32878327	Chr2.33565	Rpl12(-83303),Fam129b(+2142)	N/A
Chr2	32878641	32878776	Chr2.33569	Rpl12(-82850),Fam129b(+2595)	N/A
Chr2	32891576	32891694	Chr2.33581	Rpl12(-69924),Fam129b(+15521)	N/A
Chr2	32908590	32908696	Chr2.33600	Rpl12(-52916),Fam129b(+32529)	N/A
Chr2	32963285	32963417	Chr2.33764	Lrsam1(-1737)	N/A
Chr2	6831029	6831256	Chr2.3392	Celf2(+53853),Usp6n(+478410)	N/A
Chr2	33165056	33165223	Chr2.34012	Garnl3(-77887),Angptl2(-50929)	N/A
Chr2	33171030	33171261	Chr2.34027	Garnl3(-83893),Angptl2(-44923)	N/A
Chr2	33176741	33176907	Chr2.34038	Garnl3(-89571),Angptl2(-39245)	N/A
Chr2	33179626	33179765	Chr2.34044	Garnl3(-92443),Angptl2(-36373)	N/A
Chr2	33184657	33184825	Chr2.34047	Garnl3(-87468),Angptl2(-31328)	N/A
Chr2	33193345	33193489	Chr2.34061	Garnl3(-106164),Angptl2(-22652)	N/A
Chr2	33203319	33203419	Chr2.34064	Garnl3(-116116),Angptl2(-12700)	N/A
Chr2	33203566	33203706	Chr2.34066	Garnl3(-116383),Angptl2(-12433)	N/A
Chr2	33215911	33216248	Chr2.34074	Angptl2(+19)	N/A
Chr2	33217188	33217383	Chr2.34082	Angptl2(+1217),Ralgs1(+154192)	N/A
Chr2	33224093	33224205	Chr2.34101	Angptl2(+8080),Ralgs1(+147328)	N/A
Chr2	33237669	33237784	Chr2.34135	Angptl2(+21658),Ralgs1(+133751)	N/A
Chr2	6850284	6850566	Chr2.3416	Celf2(+34571),Usp6n(+497692)	N/A
Chr2	33265880	33266045	Chr2.34173	Angptl2(+49894),Ralgs1(+105515)	N/A
Chr2	33267183	33267296	Chr2.34174	Angptl2(+51171),Ralgs1(+104238)	N/A
Chr2	33272256	33272268	Chr2.34178	Angptl2(-56244),Ralgs1(+99165)	N/A
Chr2	33272681	33272989	Chr2.34181	Angptl2(+56766),Ralgs1(+98643)	N/A
Chr2	33289123	33289236	Chr2.34211	Angptl2(+73111),Ralgs1(+82298)	N/A
Chr2	33300664	33300831	Chr2.34214	Ralgs1(+70730),Angptl2(+84679)	N/A
Chr2	33316530	33316755	Chr2.34226	Ralgs1(+54835),Angptl2(+100574)	N/A
Chr2	33345639	33345878	Chr2.34257	Ralgs1(+25719),Angptl2(-129698)	N/A
Chr2	33345912	33346014	Chr2.34263	Ralgs1(+25515),Angptl2(+129894)	N/A
Chr2	33407866	33408141	Chr2.34292	Ralgs1(-36526),Zbtb34(+23320)	N/A
Chr2	33408229	33408381	Chr2.34295	Ralgs1(-36827),Zbtb34(+23019)	N/A
Chr2	33426645	33427076	Chr2.34352	Ralgs1(-55383),Zbtb34(+4463)	N/A
Chr2	33435963	33435792	Chr2.34373	Zbtb34(-4404)	N/A
Chr2	33453223	33453401	Chr2.34415	Zbtb34(-21988),Zbtb34(+9041)	N/A
Chr2	33465520	33466827	Chr2.34453	Zbtb43(-6221),Lmx1b(+171837)	N/A
Chr2	33487347	33487603	Chr2.34463	Zbtb43(-25122),Lmx1b(+153036)	N/A
Chr2	33515889	33516132	Chr2.34472	Zbtb43(-53658),Lmx1b(+124500)	N/A
Chr2	33547169	33547169	Chr2.34481	Zbtb43(-84745),Lmx1b(+93413)	N/A
Chr2	33575407	33575682	Chr2.34509	Zbtb43(-113142),Lmx1b(+65016)	N/A
Chr2	33580772	33580919	Chr2.34514	Zbtb43(-118443),Lmx1b(+59715)	N/A
Chr2	33582784	33582905	Chr2.34519	Zbtb43(-120492),Lmx1b(+57666)	N/A
Chr2	33584230	33584565	Chr2.34522	Zbtb43(-122045),Lmx1b(+56113)	N/A
Chr2	33585027	33585664	Chr2.34527	Zbtb43(-122993),Lmx1b(+55165)	N/A
Chr2	33592254	33592403	Chr2.34539	Zbtb43(-129970),Lmx1b(+48152)	N/A
Chr2	33594178	33594432	Chr2.34548	Zbtb43(-131952),Lmx1b(+46266)	N/A
Chr2	33597395	33597692	Chr2.34562	Zbtb43(-135191),Lmx1b(+42967)	N/A
Chr2	33604193	33604531	Chr2.34572	Zbtb43(-142009),Lmx1b(+36149)	N/A
Chr2	33607795	33607925	Chr2.34591	Zbtb43(-145507),Lmx1b(+32651)	N/A
Chr2	33616527	33616934	Chr2.34608	Zbtb43(-154378),Lmx1b(+23780)	N/A
Chr2	33625259	33625466	Chr2.34612	Zbtb43(-163011),Lmx1b(+15147)	N/A
Chr2	33626009	33626882	Chr2.34615	Zbtb43(-164243),Lmx1b(+13915)	N/A
Chr2	33626886	33627080	Chr2.34621	Zbtb43(-164630),Lmx1b(+13528)	N/A
Chr2	33628978	33629151	Chr2.34627	Zbtb43(-166712),Lmx1b(+11446)	N/A
Chr2	33629497	33629618	Chr2.34629	Zbtb43(-167205),Lmx1b(+10953)	N/A
Chr2	33630623	33630884	Chr2.34634	Zbtb43(-168401),Lmx1b(+9757)	N/A
Chr2	33630928	33631042	Chr2.34636	Zbtb43(-168832),Lmx1b(+9558)	N/A
Chr2	33631584	33631744	Chr2.34641	Zbtb43(-169311),Lmx1b(+6847)	N/A
Chr2	33671268	6871412	Chr2.3465	Celf2(+13656),Usp6n(+518607)	N/A
Chr2	33636320	33636520	Chr2.34659	Zbtb43(-174067),Lmx1b(+4091)	N/A
Chr2	33642412	33642581	Chr2.34676	Lmx1b(-1988)	N/A
Chr2	33648841	33649136	Chr2.34688	Lmx1b(-8528),Mvb12b(+238907)	N/A
Chr2	33655511	33655737	Chr2.34693	Lmx1b(-29113),Mvb12b(+22232)	N/A
Chr2	33666445	33666550	Chr2.34697	Lmx1b(-25987),Mvb12b(+221448)	N/A
Chr2	33689538	33689662	Chr2.34710	Lmx1b(-49089),Mvb12b(+198348)	N/A
Chr2	33701098	33701217	Chr2.34715	Lmx1b(-60647),Mvb12b(+186788)	N/A
Chr2	33671773	6871897	Chr2.3473	Celf2(+13161),Usp6n(+519102)	N/A
Chr2	33705920	33706134	Chr2.34730	Lmx1b(-65516),Mvb12b(+181919)	N/A
Chr2	33707346	33707488	Chr2.34739	Lmx1b(-66906),Mvb12b(+180529)	N/A
Chr2	33713795	33713925	Chr2.34745	Lmx1b(-73349),Mvb12b(+174086)	N/A
Chr2	33713991	33714130	Chr2.34747	Lmx1b(-73550),Mvb12b(+173885)	N/A
Chr2	33715365	33715466	Chr2.34760	Lmx1b(-74905),Mvb12b(+172530)	N/A
Chr2	33716549	33716696	Chr2.34764	Lmx1b(-76111),Mvb12b(+171324)	N/A
Chr2	33716725	33716924	Chr2.34766	Lmx1b(-76314),Mvb12b(+171121)	N/A
Chr2	33717067	33717564	Chr2.34771	Lmx1b(-76805),Mvb12b(+170630)	N/A
Chr2	33717672	33717856	Chr2.34777	Lmx1b(-77253),Mvb12b(+170182)	N/A
Chr2	33718015	33718175	Chr2.34782	Lmx1b(-77584),Mvb12b(+169851)	N/A
Chr2	33719496	33719697	Chr2.34790	Lmx1b(-79086),Mvb12b(+168349)	N/A
Chr2	68743112	6874686	Chr2.3480	Celf2(+10507),Usp6n(-521758)	N/A
Chr2	33736464	33736596	Chr2.34802	Lmx1b(-96019),Mvb12b(+151416)	N/A
Chr2	33736628	33736825	Chr2.34804	Lmx1b(-96216),Mvb12b(+151219)	N/A
Chr2	33753889	33754243	Chr2.34823	Lmx1b(-113555),Mvb12b(+133880)	N/A
Chr2	6875082	6875190	Chr2.3483	Celf2(+9860),Usp6n(+522403)	N/A
Chr2	33759514	33759888	Chr2.34831	Lmx1b(-119190),Mvb12b(+128245)	N/A
Chr2	33771186	33771287	Chr2.34841	Lmx1b(-130726),Mvb12b(+116709)	N/A
Chr2	33785711	33785849	Chr2.34862	Lmx1b(-145269),Mvb12b(+102166)	N/A
Chr2	6875385	6875495	Chr2.3487	Celf2(+9556),Usp6n(+522707)	N/A
Chr2	33796410	33796546	Chr2.34909	Lmx1b(-155967),Mvb12b(+91468)	N/A
Chr2	33809677	33809856	Chr2.34938	Lmx1b(-169258),Mvb12b(+78179)	N/A
Chr2	33809803	33810055	Chr2.34941	Lmx1b(-169468),Mvb12b(+77967)	N/A
Chr2	33813794	33813982	Chr2.34954	Lmx1b(-173282),Mvb12b(+74053)	N/A
Chr2	33814519	33814749	Chr2.34959	Lmx1b(-174123),Mvb12b(+73312)	N/A
Chr2	33816019	33816185	Chr2.34970	Lmx1b(-175591),Mvb12b(+71844)	N/A
Chr2	33822802	33822949	Chr2.34976	Lmx1b(-182365),Mvb12b(+65070)	N/A
Chr2	33846666	33846882	Chr2.35012	Lmx1b(-206223),Mvb12b(+471212)	N/A
Chr2	33853394	33853340	Chr2.35015	Lmx1b(-212701),Mvb12b(+34734)	N/A
Chr2	33873174	33873435	Chr2.35020	Lmx1b(-232794),Mvb12b(+14641)	N/A
Chr2	33873571	33873740	Chr2.35025	Lmx1b(-233145),Mvb12b(+14290)	N/A
Chr2	33879004	33879103	Chr2.35053	Lmx1b(-238543),Mvb12b(+8892)	N/A
Chr2	33886429	33886650	Chr2.35061	Lmx1b(-246029),Mvb12b(+1406)	N/A
Chr2	33920093	33920327	Chr2.35069	Mvb12b(-32264),Pbx3(+452040)	N/A
Chr2	33920361	33920700	Chr2.35072	Mvb12b(-32585),Pbx3(+51719)	N/A
Chr2	33924361	33924678	Chr2.35075	Mvb12b(-36574),Pbx3(+447730)	N/A
Chr2	33941502	33941836	Chr2.35083	Mvb12b(-53723),Pbx3(+430581)	N/A
Chr2	33966199	33967001	Chr2.35087	Mvb12b(-78654),Pbx3(+405650)	N/A
Chr2	33967197	33967334	Chr2.35093	Mvb12b(-79320),Pbx3(+404984)	N/A
Chr2	33974587	33974658	Chr2.35099	Mvb12b(-86777),Pbx3(+397537)	N/A
Chr2	33989767	33990002	Chr2.35108	Mvb12b(-101939),Pbx3(+382365)	N/A
Chr2	34016577	34016952	Chr2.35111	Mvb12b(-128819),Pbx3(+355485)	N/A
Chr2	34027225	34027397	Chr2.35113	Mvb12b(-139365),Pbx3(+344939)	N/A
Chr2	34031293	34031393	Chr2.35116	Mvb12b(-143397),Pbx3(+340907)	N/A
Chr2	34039090	34039317	Chr2.35120	Mvb12b(-151258),Pbx3(+333046)	N/A
Chr2	34105417	34105615	Chr2.35156	Mvb12b(-217570),Pbx3(-266734)	N/A
Chr2	34106414	34106685	Chr2.35158	Mvb12b(-218604),Pbx3(+265700)	N/A
Chr2	34109687	34107118	Chr2.35162	Mvb12b(-219107),Pbx3(+265197)	N/A
Chr2	34108221	34108346	Chr2.35166	Mvb12b(-220338),Pbx3(+263966)	N/A
Chr2	34111096	34111205	Chr2.35172	Mvb12b(-223205),Pbx3(+261099)	N/A
Chr2	6883653	6884637	Chr2.3521	Celf2(+4851)	N/A
Chr2	34172369	34172536	Chr2.35228	Mvb12b(-284507),Pbx3(+199797)	N/A

Chr2	34182559	34182669	Chr2.35284	Mvb12b(-294668),Pbx3(+189636)	N/A
Chr2	34194342	34194606	Chr2.35298	Mvb12b(-306528),Pbx3(+177776)	N/A
Chr2	34194342	34194606	Chr2.35298	Celf2(-144)	N/A
Chr2	34223204	34223308	Chr2.35370	Mvb12b(-340309),Pbx3(+143995)	N/A
Chr2	34231687	34231837	Chr2.35386	Mvb12b(-343816),Pbx3(+140488)	N/A
Chr2	34235920	34236047	Chr2.35417	Mvb12b(-348038),Pbx3(+136266)	N/A
Chr2	34238437	34238537	Chr2.35432	Mvb12b(-350541),Pbx3(+133763)	N/A
Chr2	34249213	34249320	Chr2.35483	Mvb12b(-361321),Pbx3(+122983)	N/A
Chr2	34249737	34250023	Chr2.35486	Mvb12b(-361934),Pbx3(+122370)	N/A
Chr2	34251774	34252666	Chr2.35497	Mvb12b(-364474),Pbx3(+119830)	N/A
Chr2	34253088	34253453	Chr2.35498	Mvb12b(-365325),Pbx3(+118979)	N/A
Chr2	34279751	34280037	Chr2.35547	Mvb12b(-391948),Pbx3(+92356)	N/A
Chr2	34286773	34287232	Chr2.35569	Mvb12b(-399057),Pbx3(+85247)	N/A
Chr2	34287553	34287944	Chr2.35570	Mvb12b(-399803),Pbx3(+84501)	N/A
Chr2	34288514	34289119	Chr2.35575	Mvb12b(-400071),Pbx3(+83433)	N/A
Chr2	34302694	34303059	Chr2.35599	Mvb12b(-414931),Pbx3(+69373)	N/A
Chr2	34330096	34330285	Chr2.35658	Mvb12b(-442245),Pbx3(+42059)	N/A
Chr2	34346652	34347366	Chr2.35664	Mvb12b(-459063),Pbx3(+25241)	N/A
Chr2	6912264	6912441	Chr2.35667	Celf2(-27357),Gm10855(+22728)	N/A
Chr2	34355762	34356262	Chr2.35684	Mvb12b(-468066),Pbx3(+16238)	N/A
Chr2	34368469	34369063	Chr2.35755	Mvb12b(-480650),Pbx3(+3494)	N/A
Chr2	34370402	34370514	Chr2.35777	Mvb12b(-482512),Pbx3(+1792)	N/A
Chr2	34370549	34370985	Chr2.35779	Mvb12b(-482821),Pbx3(+1483)	N/A
Chr2	34373090	34373264	Chr2.35789	Pbx3(-927)	N/A
Chr2	34406926	34407106	Chr2.35833	Mapkap1(-167)	N/A
Chr2	34459843	34459875	Chr2.35821	Mapkap1(+52576),Gapvd1(+295473)	N/A
Chr2	34478065	34478225	Chr2.35937	Mapkap1(+70962),Gapvd1(+277087)	N/A
Chr2	34481556	34481748	Chr2.35953	Mapkap1(+74469),Gapvd1(+273580)	N/A
Chr2	34526090	34526458	Chr2.36001	Mapkap1(+119091),Gapvd1(+228958)	N/A
Chr2	34526511	34527556	Chr2.36004	Mapkap1(+119852),Gapvd1(+228197)	N/A
Chr2	34531148	34531545	Chr2.36016	Mapkap1(+124164),Gapvd1(+223885)	N/A
Chr2	34531583	34531711	Chr2.36017	Mapkap1(+124464),Gapvd1(+223565)	N/A
Chr2	34531956	34532450	Chr2.36021	Mapkap1(+125020),Gapvd1(+223029)	N/A
Chr2	34532506	34532766	Chr2.36027	Mapkap1(+125453),Gapvd1(+222596)	N/A
Chr2	34534888	34535053	Chr2.36038	Mapkap1(+127788),Gapvd1(+220261)	N/A
Chr2	34535182	34535589	Chr2.36039	Mapkap1(+128203),Gapvd1(+219846)	N/A
Chr2	34550220	34550474	Chr2.36079	Mapkap1(+143164),Gapvd1(+220408)	N/A
Chr2	34556071	34556433	Chr2.36085	Mapkap1(+140059),Gapvd1(+198980)	N/A
Chr2	34563300	34563455	Chr2.36108	Mapkap1(+158195),Gapvd1(+191854)	N/A
Chr2	34569182	34569376	Chr2.36113	Mapkap1(+162096),Gapvd1(+185953)	N/A
Chr2	34586176	34586395	Chr2.36146	Gapvd1(+168946),Mapkap1(+179103)	N/A
Chr2	34622687	34622797	Chr2.36216	Gapvd1(+132490),Mapkap1(+215559)	N/A
Chr2	34627354	34627491	Chr2.36227	Gapvd1(+127809),Mapkap1(+222859)	N/A
Chr2	34628129	34628314	Chr2.36230	Gapvd1(+127010),Mapkap1(+221039)	N/A
Chr2	34668762	34668912	Chr2.36259	Gapvd1(+86395),Mapkap1(+261654)	N/A
Chr2	34673879	34673980	Chr2.36265	Gapvd1(+81302),Mapkap1(+266747)	N/A
Chr2	34677822	34677973	Chr2.36282	Gapvd1(+77334),Mapkap1(+270715)	N/A
Chr2	34771875	34772069	Chr2.36378	Hsp95(+123)	N/A
Chr2	34802318	34802474	Chr2.36444	Rabap1(-2484)	N/A
Chr2	34825959	34826071	Chr2.36473	Fbxw2(+58)	N/A
Chr2	34913324	34913436	Chr2.36595	Phf19(+596)	N/A
Chr2	34983346	34983617	Chr2.36654	Traf1(-25348),Hc1(+77956)	N/A
Chr2	34993275	34993466	Chr2.36679	Traf1(-35237),Hc1(+88067)	N/A
Chr2	6960159	6960291	Chr2.36719	Gm10115(-8545)	N/A
Chr2	35132232	35132430	Chr2.36878	Cnrl(+97)	N/A
Chr2	35200949	35201118	Chr2.37055	Rab14(+86)	N/A
Chr2	35250319	35250451	Chr2.37061	Rab14(-49265),Gsn(-31995)	N/A
Chr2	35257734	35257892	Chr2.37062	Rab14(-56693),Gsn(-24567)	N/A
Chr2	35282620	35282738	Chr2.37083	Gsn(-300)	N/A
Chr2	35514138	35514340	Chr2.37345	Dab2ip(-107798),Gga1(-52790)	N/A
Chr2	35557995	35558107	Chr2.37351	Gga1(-96602),Dab2ip(-63986)	N/A
Chr2	35558245	35558617	Chr2.37352	Gga1(-96982),Dab2ip(-63606)	N/A
Chr2	35581574	35581745	Chr2.37376	Gga1(-120211),Dab2ip(-40377)	N/A
Chr2	35588449	35588622	Chr2.37385	Gga1(-127087),Dab2ip(-33501)	N/A
Chr2	35607493	35607728	Chr2.37404	Gga1(-146162),Dab2ip(-14426)	N/A
Chr2	35611251	35611356	Chr2.37415	Gga1(-149855),Dab2ip(-10733)	N/A
Chr2	35612564	35612697	Chr2.37418	Gga1(-151182),Dab2ip(-9406)	N/A
Chr2	35614013	35614141	Chr2.37421	Gga1(-152628),Dab2ip(-7960)	N/A
Chr2	35617549	35617683	Chr2.37429	Dab2ip(-4431)	N/A
Chr2	35620580	35620703	Chr2.37434	Dab2ip(-1369)	N/A
Chr2	35627452	35627683	Chr2.37445	Dab2ip(-5471),Tll11(+352116)	N/A
Chr2	35627705	35627894	Chr2.37447	Dab2ip(+5763),Tll11(+351824)	N/A
Chr2	35628144	35628245	Chr2.37455	Dab2ip(+6158),Tll11(+351429)	N/A
Chr2	35651447	35651552	Chr2.37474	Dab2ip(+29463),Tll11(+328124)	N/A
Chr2	35662492	35662630	Chr2.37490	Dab2ip(+40524),Tll11(+317063)	N/A
Chr2	35662678	35662789	Chr2.37493	Dab2ip(+40697),Tll11(+316890)	N/A
Chr2	35662882	35663350	Chr2.37495	Dab2ip(+41079),Tll11(+316508)	N/A
Chr2	35664638	35664817	Chr2.37509	Dab2ip(+42691),Tll11(+314896)	N/A
Chr2	35669450	35669734	Chr2.37520	Dab2ip(+47555),Tll11(+310032)	N/A
Chr2	35672484	35672611	Chr2.37525	Dab2ip(+50511),Tll11(+307076)	N/A
Chr2	35695890	35696735	Chr2.37561	Dab2ip(+74623),Tll11(+263966)	N/A
Chr2	35700110	35700190	Chr2.37564	Dab2ip(+78063),Tll11(+276524)	N/A
Chr2	35729066	35729345	Chr2.37664	Dab2ip(+107169),Tll11(+250418)	N/A
Chr2	35739847	35740028	Chr2.37678	Dab2ip(+117901),Tll11(+239686)	N/A
Chr2	35747547	35747679	Chr2.37685	Dab2ip(+125576),Tll11(+232011)	N/A
Chr2	35767886	35768140	Chr2.37708	Dab2ip(+145976),Tll11(+211611)	N/A
Chr2	35768976	35769108	Chr2.37711	Dab2ip(+147004),Tll11(+210583)	N/A
Chr2	35811960	35812171	Chr2.37788	Tll11(-167558),Dab2ip(-190029)	N/A
Chr2	35844333	35844434	Chr2.37819	Tll11(+135240),Dab2ip(+222347)	N/A
Chr2	35844487	35844591	Chr2.37820	Tll11(+135085),Dab2ip(+222502)	N/A
Chr2	35851866	35851974	Chr2.37840	Tll11(+127704),Dab2ip(+229883)	N/A
Chr2	35860081	35860273	Chr2.37842	Tll11(+119447),Dab2ip(+238140)	N/A
Chr2	35904767	35904935	Chr2.37918	Tll11(+17473),Dab2ip(+262814)	N/A
Chr2	35930284	35930426	Chr2.37943	Tll11(+49269),Dab2ip(-308318)	N/A
Chr2	35979791	35979912	Chr2.37999	Tll11(-228)	N/A
Chr2	36011350	36011761	Chr2.38012	Tll11(-31932),Ndufa8(+37850)	N/A
Chr2	36013054	36013269	Chr2.38014	Tll11(-33538),Ndufa8(+36244)	N/A
Chr2	36022007	36022163	Chr2.38016	Tll11(-42461),Ndufa8(-27321)	N/A
Chr2	36033799	36033931	Chr2.38030	Tll11(-54241),Ndufa8(+15541)	N/A
Chr2	36077128	36077644	Chr2.38103	Lhx6(+27885),Morn5(+27928)	N/A
Chr2	36081924	36082040	Chr2.38109	Lhx6(+23289),Morn5(+32524)	N/A
Chr2	36082793	36082941	Chr2.38115	Lhx6(+22404),Morn5(+33409)	N/A
Chr2	36083421	36083775	Chr2.38120	Lhx6(+21673),Morn5(+34140)	N/A
Chr2	36093925	36094105	Chr2.38126	Lhx6(+1256),Morn5(+34557)	N/A
Chr2	36098300	36098502	Chr2.38151	Lhx6(+6870),Morn5(+48943)	N/A
Chr2	36104045	36104468	Chr2.38168	Lhx6(+1014),Morn5(+54799)	N/A
Chr2	36104699	36104992	Chr2.38173	Lhx6(+425)	N/A
Chr2	7056210	7056311	Chr2.3818	Gm10115(-104581)	N/A
Chr2	36117200	36117384	Chr2.38190	Mrrf(-18097),Lhx6(-12021)	N/A
Chr2	7056995	7056759	Chr2.3822	Gm10115(-104997)	N/A
Chr2	36128879	36129289	Chr2.38225	Lhx6(-23813),Mrrf(-7305)	N/A
Chr2	36148506	36148797	Chr2.38251	Ptgs1(-81774),Rbm18(-11879)	N/A
Chr2	36148923	36149509	Chr2.38254	Ptgs1(-81210),Rbm18(-12443)	N/A
Chr2	36159121	36159710	Chr2.38279	Ptgs1(-71010),Rbm18(-22643)	N/A
Chr2	36172574	36172826	Chr2.38286	Ptgs1(-57726),Rbm18(-35927)	N/A
Chr2	36183366	36183542	Chr2.38296	Ptgs1(-46972),Rbm18(-46681)	N/A
Chr2	36191471	36191572	Chr2.38308	Rbm18(-54749),Ptgs1(-38904)	N/A
Chr2	36198187	36198318	Chr2.38313	Rbm18(-61480),Ptgs1(-32173)	N/A
Chr2	36198768	36198886	Chr2.38317	Rbm18(-62054),Ptgs1(-31599)	N/A
Chr2	36203313	36203656	Chr2.38320	Rbm18(-66623),Ptgs1(-27030)	N/A
Chr2	36207072	36207308	Chr2.38325	Rbm18(-70417),Ptgs1(-23384)	N/A
Chr2	36207353	36207497	Chr2.38330	Rbm18(-70652),Ptgs1(-23001)	N/A
Chr2	36211987	36212108	Chr2.38337	Rbm18(-75275),Ptgs1(-18378)	N/A
Chr2	7060951	7061111	Chr2.3836	Gm10115(-109351)	N/A
Chr2	7081402	7081631	Chr2.3868	Gm10115(-129837)	N/A
Chr2	7092309	7092415	Chr2.3892	Gm10115(-140662)	N/A
Chr2	37351422	37351532	Chr2.39217	Pds(-12014),Rc3h2(+43554)	N/A
Chr2	37371131	37371402	Chr2.39245	Rc3h2(-7315),Zbtb26(+20985)	N/A
Chr2	37422067	37422205	Chr2.39314	Rc3h2(-7748),Zbtb26(+20552)	N/A
Chr2	37422491	37422647	Chr2.39319	Rc3h2(-8017),Zbtb26(+20383)	N/A
Chr2	37422738	37443253	Chr2.39397	Rabgap1(-148),Zbtb26(-16),Zbtb6(+34)	N/A
Chr2	37452149	37452328	Chr2.39398	Gpr21(-64387),Rabgap1(+8954)	N/A
Chr2	37516590	37516771	Chr2.39440	Gpr21(+65)	N/A
Chr2	37517016	37517538	Chr2.39444	Gpr21(+651)	N/A
Chr2	37527628	37527858	Chr2.39481	Gpr21(+11117),Strap(+119542)	N/A
Chr2	37723261	37723392	Chr2.39719	Strap(-76042),Chr2(-59292)	N/A
Chr2	37723694	37723796	Chr2.39722	Strap(-76455),Chr2(-52509)	N/A

Chr2	37735102	37735350	Chr2:39727	Strbp(-87941),Crb2(-41023)	N/A
Chr2	37735380	37735577	Chr2:39731	Strbp(-88194),Crb2(-40770)	N/A
Chr2	37741985	37742171	Chr2:39738	Strbp(-94783),Crb2(-34181)	N/A
Chr2	37758513	37758738	Chr2:39753	Strbp(-11514),Crb2(-17629)	N/A
Chr2	37765211	37765443	Chr2:39758	Strbp(-118042),Crb2(-10922)	N/A
Chr2	37769219	37769376	Chr2:39765	Strbp(-122013),Crb2(-6951)	N/A
Chr2	37805066	37805226	Chr2:39991	Crb2(+28897),Dennd1a(+482229)	N/A
Chr2	37806586	37806771	Chr2:39992	Crb2(+30430),Dennd1a(+480696)	N/A
Chr2	37809633	37809900	Chr2:40004	Crb2(+33518),Dennd1a(+477608)	N/A
Chr2	37818709	37819007	Chr2:40028	Crb2(+42609),Dennd1a(+468571)	N/A
Chr2	37819518	37819712	Chr2:40033	Crb2(+44386),Dennd1a(+467760)	N/A
Chr2	37822364	37822554	Chr2:40038	Crb2(+46210),Dennd1a(+464916)	N/A
Chr2	37829871	37830046	Chr2:40054	Crb2(+53710),Dennd1a(+457416)	N/A
Chr2	37830182	37830287	Chr2:40057	Crb2(+53988),Dennd1a(+457140)	N/A
Chr2	37832109	37832677	Chr2:40063	Crb2(+56144),Dennd1a(+544892)	N/A
Chr2	37842079	37842919	Chr2:40079	Crb2(+66250),Dennd1a(+444876)	N/A
Chr2	37850506	37850761	Chr2:40110	Crb2(+74385),Dennd1a(+436741)	N/A
Chr2	37855196	37855383	Chr2:40129	Crb2(+79041),Dennd1a(+432085)	N/A
Chr2	37866215	37866397	Chr2:40163	Crb2(+90057),Dennd1a(+421069)	N/A
Chr2	37869742	37870014	Chr2:40169	Crb2(+93629),Dennd1a(+417497)	N/A
Chr2	37873000	37873173	Chr2:40171	Crb2(+96838),Dennd1a(+414288)	N/A
Chr2	37883944	37884084	Chr2:40186	Crb2(+107765),Dennd1a(+403361)	N/A
Chr2	37908500	37909047	Chr2:40234	Crb2(+132525),Dennd1a(+378601)	N/A
Chr2	37930328	37930428	Chr2:40267	Crb2(+154129),Dennd1a(+356997)	N/A
Chr2	37931257	37931429	Chr2:40273	Crb2(+155094),Dennd1a(+356032)	N/A
Chr2	37945415	37945602	Chr2:40310	Crb2(+169350),Dennd1a(+341866)	N/A
Chr2	37945736	37946461	Chr2:40314	Crb2(+169850),Dennd1a(+341276)	N/A
Chr2	37963421	37963792	Chr2:40322	Crb2(+187358),Dennd1a(+323768)	N/A
Chr2	37970039	37970359	Chr2:40334	Crb2(+193950),Dennd1a(+317176)	N/A
Chr2	37985421	37986885	Chr2:40374	Crb2(+209304),Dennd1a(+301822)	N/A
Chr2	37985797	37986094	Chr2:40379	Crb2(+209897),Dennd1a(+301429)	N/A
Chr2	37986493	37986679	Chr2:40381	Crb2(+21037),Dennd1a(+300789)	N/A
Chr2	38013493	38013663	Chr2:40425	Crb2(+237329),Dennd1a(+273797)	N/A
Chr2	38013722	38014029	Chr2:40428	Crb2(+237627),Dennd1a(+273499)	N/A
Chr2	38023748	38023943	Chr2:40454	Crb2(+247597),Dennd1a(+263529)	N/A
Chr2	38026578	38026789	Chr2:40465	Crb2(+250435),Dennd1a(+260691)	N/A
Chr2	38044905	38041108	Chr2:40482	Dennd1a(+246389),Crb2(+264757)	N/A
Chr2	38052492	38052805	Chr2:40505	Dennd1a(+234726),Crb2(+276400)	N/A
Chr2	38066501	38066616	Chr2:40518	Dennd1a(+220816),Crb2(+290310)	N/A
Chr2	38068169	38068613	Chr2:40529	Dennd1a(+218984),Crb2(+292142)	N/A
Chr2	38074589	38074839	Chr2:40540	Dennd1a(+212661),Crb2(+298465)	N/A
Chr2	38096178	38096304	Chr2:40560	Dennd1a(+191134),Crb2(+319992)	N/A
Chr2	38097626	38097828	Chr2:40562	Dennd1a(+189649),Crb2(+321477)	N/A
Chr2	38099527	38099666	Chr2:40570	Dennd1a(+187778),Crb2(+323348)	N/A
Chr2	38100179	38100774	Chr2:40575	Dennd1a(+186898),Crb2(+324228)	N/A
Chr2	38102504	38102637	Chr2:40583	Dennd1a(+184804),Crb2(+326322)	N/A
Chr2	38127196	38128452	Chr2:406	Suv39h1(+2707),Dicer1(+48174)	N/A
Chr2	38111887	38111890	Chr2:40603	Dennd1a(+175586),Crb2(+335549)	N/A
Chr2	38111936	38112484	Chr2:40607	Dennd1a(+175165),Crb2(+335961)	N/A
Chr2	38126296	38126504	Chr2:40627	Dennd1a(+160975),Crb2(+350151)	N/A
Chr2	38133607	38133737	Chr2:40646	Dennd1a(+153703),Crb2(+357423)	N/A
Chr2	38163366	38163505	Chr2:40759	Dennd1a(+123939),Crb2(+387187)	N/A
Chr2	38196520	38197014	Chr2:40810	Dennd1a(+90608),Crb2(+420518)	N/A
Chr2	38220629	38222818	Chr2:40837	Dennd1a(+86651),Crb2(+444475)	N/A
Chr2	38237815	38237929	Chr2:40869	Dennd1a(+49503),Crb2(+461623)	N/A
Chr2	38286184	38286397	Chr2:40923	Dennd1a(+1084),Crb2(+510042)	N/A
Chr2	38319084	38319183	Chr2:40971	Dennd1a(-31759),Lhx2(-31625)	N/A
Chr2	38336686	38336983	Chr2:40984	Dennd1a(-49460),Lhx2(-13924)	N/A
Chr2	38340626	38340757	Chr2:40985	Dennd1a(-53317),Lhx2(-10067)	N/A
Chr2	7223614	7223731	Chr2:4102	Gm10115(-271993)	N/A
Chr2	7224047	7224177	Chr2:4104	Gm10115(-272432)	N/A
Chr2	38347554	38348170	Chr2:41045	Lhx2(-2897)	N/A
Chr2	38348306	38348557	Chr2:41047	Lhx2(-2327)	N/A
Chr2	38348903	38348822	Chr2:41048	Lhx2(-2001)	N/A
Chr2	38350871	38351146	Chr2:41056	Lhx2(+250)	N/A
Chr2	38355525	38355654	Chr2:41093	Nek6(-156053),Lhx2(+4831)	N/A
Chr2	38357234	38357380	Chr2:41096	Nek6(-154336),Lhx2(+6548)	N/A
Chr2	38357987	38358149	Chr2:41099	Nek6(-153575),Lhx2(+7309)	N/A
Chr2	38377179	38377284	Chr2:41128	Nek6(-134411),Lhx2(+26473)	N/A
Chr2	38377423	38377524	Chr2:41132	Nek6(-134169),Lhx2(+26715)	N/A
Chr2	38379355	38379620	Chr2:41136	Nek6(-13205),Lhx2(+28769)	N/A
Chr2	38403488	38403641	Chr2:41146	Nek6(-108078),Lhx2(+52806)	N/A
Chr2	38460912	38461180	Chr2:41173	Nek6(-50597),Lhx2(+110287)	N/A
Chr2	38477326	38477501	Chr2:41183	Nek6(-34229),Lhx2(+126655)	N/A
Chr2	38481207	38481324	Chr2:41188	Nek6(-30377),Lhx2(+130507)	N/A
Chr2	38480347	38480172	Chr2:41192	Nek6(-25533),Lhx2(+135351)	N/A
Chr2	38512960	38513200	Chr2:41209	Nek6(+1437),Psmb7(+131007)	N/A
Chr2	38514709	38514851	Chr2:41215	Nek6(+3137),Psmb7(+129307)	N/A
Chr2	38530967	38531084	Chr2:41246	Nek6(+19383),Psmb7(+113061)	N/A
Chr2	38535357	38535485	Chr2:41254	Nek6(+23778),Psmb7(+108666)	N/A
Chr2	38537722	38538006	Chr2:41261	Nek6(+26222),Psmb7(+106222)	N/A
Chr2	38546386	38546493	Chr2:41278	Nek6(+34737),Psmb7(+97647)	N/A
Chr2	38584747	38585072	Chr2:41349	Psmb7(+59177),Nek6(+73267)	N/A
Chr2	38585693	38585814	Chr2:41361	Psmb7(+58333),Nek6(+74111)	N/A
Chr2	38621587	38621775	Chr2:41451	Psmb7(+22406),Nek6(+110038)	N/A
Chr2	38621986	38622208	Chr2:41461	Psmb7(+21990),Nek6(+110454)	N/A
Chr2	38653171	38653325	Chr2:41509	Psmb7(-9161),Nr5a1(-58986)	N/A
Chr2	38658421	38658623	Chr2:41513	Psmb7(-14435),Nr5a1(-53712)	N/A
Chr2	38681445	38681548	Chr2:41593	Psmb7(-37410),Nr5a1(-30737)	N/A
Chr2	38682557	38682664	Chr2:41609	Psmb7(-38524),Nr5a1(+29623)	N/A
Chr2	38695862	38695993	Chr2:41631	Psmb7(-51841),Nr5a1(+16306)	N/A
Chr2	38697392	38697534	Chr2:41636	Psmb7(-53378),Nr5a1(+147771)	N/A
Chr2	38713349	38713458	Chr2:41689	Nr5a1(-6169),Nr5a1(+209285)	N/A
Chr2	38718757	38718904	Chr2:41690	Nr5a1(-6597),Nr5a1(+208857)	N/A
Chr2	38719521	38719686	Chr2:41694	Nr5a1(-7370),Nr5a1(+208084)	N/A
Chr2	38720123	38720258	Chr2:41695	Nr5a1(-7957),Nr5a1(+207497)	N/A
Chr2	38720721	38720843	Chr2:41696	Nr5a1(-8549),Nr5a1(+206905)	N/A
Chr2	38723945	38724048	Chr2:41707	Nr5a1(-11763),Nr5a1(+203991)	N/A
Chr2	38725386	38725607	Chr2:41715	Nr5a1(-13263),Nr5a1(+202191)	N/A
Chr2	38726433	38726642	Chr2:41721	Nr5a1(-14304),Nr5a1(+201150)	N/A
Chr2	38767324	38767558	Chr2:41771	Nr5a1(-55207),Nr5a1(+160247)	N/A
Chr2	38780230	38780422	Chr2:41776	Nr5a1(-68092),Nr5a1(+147362)	N/A
Chr2	38781893	38782020	Chr2:41789	Nr5a1(-69723),Nr5a1(+145731)	N/A
Chr2	38782314	38782720	Chr2:41790	Nr5a1(-70283),Nr5a1(+145171)	N/A
Chr2	38783473	38783578	Chr2:41800	Nr5a1(-71292),Nr5a1(+144162)	N/A
Chr2	38784574	38784689	Chr2:41807	Nr5a1(-72398),Nr5a1(+143056)	N/A
Chr2	38822302	38822476	Chr2:41828	Nr5a1(-110155),Nr5a1(+105299)	N/A
Chr2	38823008	38823323	Chr2:41833	Nr5a1(-110932),Nr5a1(+104522)	N/A
Chr2	38823368	38824017	Chr2:41834	Nr5a1(-111459),Nr5a1(+103959)	N/A
Chr2	38824118	38824220	Chr2:41836	Nr5a1(-111935),Nr5a1(+103519)	N/A
Chr2	38824287	38824485	Chr2:41838	Nr5a1(-112152),Nr5a1(+103302)	N/A
Chr2	38825093	38825365	Chr2:41847	Nr5a1(-112995),Nr5a1(+102459)	N/A
Chr2	38914968	38915128	Chr2:41927	Nr5a1(-202814),Nr5a1(+12640)	N/A
Chr2	38924973	38925486	Chr2:41959	Nr5a1(-212897),Nr5a1(+2467)	N/A
Chr2	38926301	38926476	Chr2:41962	Nr5a1(-214155),Nr5a1(+1299)	N/A
Chr2	38926737	38926990	Chr2:41968	Nr5a1(+424)	N/A
Chr2	38933955	38934088	Chr2:41974	Wdr38(-64297),Olfm2a(+2044)	N/A
Chr2	38934159	38934262	Chr2:41976	Wdr38(-64108),Olfm2a(+2233)	N/A
Chr2	38997346	38997445	Chr2:42063	Wdr38(-923)	N/A
Chr2	39008011	39008305	Chr2:42105	Rpl35(-3534),Apc5l(+1018)	N/A
Chr2	39011434	39011596	Chr2:42111	Apc5l(-3378),Golga1(+54026)	N/A
Chr2	39066487	39066704	Chr2:42213	Golga1(-1055)	N/A
Chr2	39094392	39094631	Chr2:42265	Golga1(-28971),Scal(+96218)	N/A
Chr2	39190883	39191025	Chr2:42318	Scal(-224)	N/A
Chr2	7317156	7317369	Chr2:4236	Gm10115(-365583)	N/A
Chr2	7317404	7317512	Chr2:4243	Gm10115(-365778)	N/A
Chr2	41264437	41264559	Chr2:43102	None	N/A
Chr2	7371379	7371550	Chr2:4320	Gm10115(-419785)	N/A
Chr2	7384058	7384194	Chr2:4345	Gm10115(-432446)	N/A
Chr2	7395957	7396231	Chr2:4369	Gm10115(-444414)	N/A
Chr2	42653061	42653341	Chr2:44201	Lp1b(-397)	N/A
Chr2	43727240	43727894	Chr2:44785	Athgap15(-21403),Kymu(+172138)	N/A
Chr2	43783804	43784147	Chr2:44840	Athgap15(+35106)	N/A
Chr2	43788912	43789122	Chr2:44874	Athgap15(+40147)	N/A
Chr2	43841749	43841889	Chr2:44964	Athgap15(+42949)	N/A
Chr2	43894079	43894397	Chr2:45036	Athgap15(+145368),Gldc1(+967384)	N/A
Chr2	43900172	43900362	Chr2:45046	Athgap15(+151397),Gldc1(+967384)	N/A
Chr2	43900814	43900940	Chr2:45050	Athgap15(+152007),Gldc1(+960745)	N/A

Chr2	43904324	43904503	Chr2.45070	Arhgap15(+155544), Gtcl(-+957208)	N/A
Chr2	44044360	44044603	Chr2.45406	Arhgap15(+295612), Gtcl(-+81714)	N/A
Chr2	44050562	44060704	Chr2.45437	Arhgap15(+311763), Gtcl(-+800899)	N/A
Chr2	44050751	44061131	Chr2.45439	Arhgap15(+312071), Gtcl(-+800851)	N/A
Chr2	44094430	44094629	Chr2.45527	Arhgap15(+345660), Gtcl(-+767092)	N/A
Chr2	44102951	44103082	Chr2.45541	Arhgap15(+354147), Gtcl(-+758605)	N/A
Chr2	44103623	44103859	Chr2.45547	Arhgap15(+354871), Gtcl(-+757881)	N/A
Chr2	44104564	44105003	Chr2.45551	Arhgap15(+355914), Gtcl(-+756838)	N/A
Chr2	44106278	44106840	Chr2.45564	Arhgap15(+357689), Gtcl(-+752663)	N/A
Chr2	44114815	44115023	Chr2.45592	Arhgap15(+366049), Gtcl(-+746713)	N/A
Chr2	44124045	44124401	Chr2.45628	Arhgap15(+375353), Gtcl(-+737399)	N/A
Chr2	44124480	44124612	Chr2.45631	Arhgap15(+375676), Gtcl(-+737076)	N/A
Chr2	44124644	44125023	Chr2.45634	Arhgap15(+375964), Gtcl(-+736788)	N/A
Chr2	44142414	44142914	Chr2.45669	Arhgap15(+393794), Gtcl(-+718958)	N/A
Chr2	44147440	44147883	Chr2.45695	Arhgap15(+398786), Gtcl(-+713966)	N/A
Chr2	44148124	44148381	Chr2.45700	Arhgap15(+399383), Gtcl(-+713369)	N/A
Chr2	44153369	44153511	Chr2.45712	Arhgap15(+404570), Gtcl(-+708182)	N/A
Chr2	44159630	44160057	Chr2.45720	Arhgap15(+410974), Gtcl(-+701778)	N/A
Chr2	44160086	44160806	Chr2.45722	Arhgap15(+415777), Gtcl(-+701175)	N/A
Chr2	44160226	44163394	Chr2.45731	Arhgap15(+417440), Gtcl(-+695312)	N/A
Chr2	44180968	44181230	Chr2.45748	Arhgap15(+432244), Gtcl(-+680598)	N/A
Chr2	44206449	44206582	Chr2.45794	Arhgap15(+457646), Gtcl(-+655106)	N/A
Chr2	44206666	44206857	Chr2.45796	Arhgap15(+457892), Gtcl(-+654860)	N/A
Chr2	44218250	44218642	Chr2.45824	Arhgap15(+469576), Gtcl(-+643176)	N/A
Chr2	44222217	44222636	Chr2.45834	Arhgap15(+473559), Gtcl(-+639194)	N/A
Chr2	44242193	44242408	Chr2.45875	Arhgap15(+493431), Gtcl(-+619212)	N/A
Chr2	44242601	44242940	Chr2.45877	Arhgap15(+493901), Gtcl(-+618851)	N/A
Chr2	44271760	44272126	Chr2.45929	Arhgap15(+523073), Gtcl(-+589679)	N/A
Chr2	44272855	44272954	Chr2.45933	Arhgap15(+524035), Gtcl(-+588717)	N/A
Chr2	44299813	44300005	Chr2.45972	Arhgap15(+551039), Gtcl(-+561713)	N/A
Chr2	44304522	44304926	Chr2.45995	Arhgap15(+555854), Gtcl(-+556998)	N/A
Chr2	44305113	44305832	Chr2.45997	Gtcl(-+556149), Arhgap15(+556603)	N/A
Chr2	44311311	44311519	Chr2.46022	Gtcl(+550207), Arhgap15(+562545)	N/A
Chr2	44312380	44312700	Chr2.46025	Gtcl(+549082), Arhgap15(+563670)	N/A
Chr2	44340411	44341569	Chr2.46092	Gtcl(+520632), Arhgap15(+592120)	N/A
Chr2	44342219	44342561	Chr2.46101	Gtcl(+519232), Arhgap15(+593520)	N/A
Chr2	44355153	44355744	Chr2.46137	Gtcl(+506173), Arhgap15(+605699)	N/A
Chr2	44367395	44367498	Chr2.46148	Gtcl(+494175), Arhgap15(+618577)	N/A
Chr2	44367536	44367847	Chr2.46149	Gtcl(+493930), Arhgap15(+618822)	N/A
Chr2	44368126	44368295	Chr2.46154	Gtcl(+493411), Arhgap15(+619341)	N/A
Chr2	44394182	44394306	Chr2.46205	Gtcl(+467378), Arhgap15(+645374)	N/A
Chr2	44395018	44395488	Chr2.46210	Gtcl(+466369), Arhgap15(+646383)	N/A
Chr2	44415911	44415907	Chr2.46263	Gtcl(+445863), Arhgap15(+666899)	N/A
Chr2	44417385	44417504	Chr2.46269	Gtcl(+444177), Arhgap15(+668575)	N/A
Chr2	44430836	44431011	Chr2.46300	Gtcl(+430698), Arhgap15(+682054)	N/A
Chr2	44432371	44432512	Chr2.46304	Gtcl(+429180), Arhgap15(+683572)	N/A
Chr2	44433508	44433630	Chr2.46310	Gtcl(+428053), Arhgap15(+684699)	N/A
Chr2	44436211	44436475	Chr2.46321	Gtcl(+425759), Arhgap15(+687421)	N/A
Chr2	44436657	44436861	Chr2.46327	Gtcl(+424863), Arhgap15(+687889)	N/A
Chr2	44437267	44437620	Chr2.46332	Gtcl(+424178), Arhgap15(+688574)	N/A
Chr2	44438165	44438463	Chr2.46336	Gtcl(+423308), Arhgap15(+689444)	N/A
Chr2	44438796	44438920	Chr2.46343	Gtcl(+422764), Arhgap15(+689988)	N/A
Chr2	44461664	44461964	Chr2.46370	Gtcl(+399808), Arhgap15(+712944)	N/A
Chr2	44485912	44486627	Chr2.46423	Gtcl(+375402), Arhgap15(+736112)	N/A
Chr2	44513510	44513687	Chr2.46439	Gtcl(+348023), Arhgap15(+764729)	N/A
Chr2	44524994	44525251	Chr2.46456	Gtcl(+336499), Arhgap15(+776253)	N/A
Chr2	44525460	44525810	Chr2.46459	Gtcl(+335987), Arhgap15(+776765)	N/A
Chr2	44526503	44526665	Chr2.46467	Gtcl(+335038), Arhgap15(+777714)	N/A
Chr2	44535848	44536015	Chr2.46472	Gtcl(+325690), Arhgap15(+787062)	N/A
Chr2	44554563	44554896	Chr2.46511	Gtcl(+306892), Arhgap15(+805890)	N/A
Chr2	44557344	44557448	Chr2.46518	Gtcl(+304228), Arhgap15(+808526)	N/A
Chr2	44583398	44585891	Chr2.46521	Gtcl(+303127), Arhgap15(+809625)	N/A
Chr2	44585869	44590001	Chr2.46523	Gtcl(+302687), Arhgap15(+810065)	N/A
Chr2	44559226	44559605	Chr2.46524	Gtcl(+302058), Arhgap15(+810696)	N/A
Chr2	44561411	44564593	Chr2.46534	Gtcl(+297255), Arhgap15(+815497)	N/A
Chr2	44564667	44564809	Chr2.46536	Gtcl(+296884), Arhgap15(+815868)	N/A
Chr2	44564874	44565150	Chr2.46537	Gtcl(+296610), Arhgap15(+816142)	N/A
Chr2	44565614	44565806	Chr2.46541	Gtcl(+295912), Arhgap15(+816840)	N/A
Chr2	44570528	44570786	Chr2.46569	Gtcl(+290964), Arhgap15(+821788)	N/A
Chr2	44571378	44571805	Chr2.46573	Gtcl(+290400), Arhgap15(+822722)	N/A
Chr2	44573995	44574494	Chr2.46587	Gtcl(+287377), Arhgap15(+835315)	N/A
Chr2	44583276	44583418	Chr2.46615	Gtcl(+278275), Arhgap15(+834477)	N/A
Chr2	44591540	44591708	Chr2.46618	Gtcl(+269998), Arhgap15(+842754)	N/A
Chr2	44631512	44631925	Chr2.46667	Gtcl(+229903), Arhgap15(+882849)	N/A
Chr2	44654549	44655135	Chr2.46724	Gtcl(+206780), Arhgap15(+905972)	N/A
Chr2	44683632	44683873	Chr2.46752	Gtcl(+177869), Arhgap15(+934880)	N/A
Chr2	44700394	44700604	Chr2.46793	Gtcl(+161123), Arhgap15(+951629)	N/A
Chr2	44700822	44700984	Chr2.46797	Gtcl(+160719), Arhgap15(+952033)	N/A
Chr2	44705833	44706304	Chr2.46812	Gtcl(+155553), Arhgap15(+957199)	N/A
Chr2	44720572	44720757	Chr2.46839	Gtcl(+140957), Arhgap15(+971795)	N/A
Chr2	44804587	44804681	Chr2.46926	Gtcl(-+56853)	N/A
Chr2	3172877	3172843	Chr2.47	Nmt2(-+11452), Fam171a1(+54378)	N/A
Chr2	44859013	44859190	Chr2.47042	Gtcl(+2520)	N/A
Chr2	44926143	44926295	Chr2.47091	Gtcl(-+64597), Zeb2(+187060)	N/A
Chr2	44926432	44926539	Chr2.47094	Gtcl(-+64864), Zeb2(+186793)	N/A
Chr2	44951859	44952062	Chr2.47117	Gtcl(-+60339), Zeb2(+161318)	N/A
Chr2	44952832	44952833	Chr2.47120	Gtcl(-+91111), Zeb2(+160546)	N/A
Chr2	44953084	44953360	Chr2.47123	Gtcl(-+91600), Zeb2(+160057)	N/A
Chr2	44956310	44956636	Chr2.47134	Gtcl(-+94851), Zeb2(+156806)	N/A
Chr2	44978891	44979017	Chr2.47188	Gtcl(-+117332), Zeb2(+134325)	N/A
Chr2	44979169	44979343	Chr2.47192	Gtcl(-+117634), Zeb2(+134023)	N/A
Chr2	44979378	44979560	Chr2.47194	Gtcl(-+117847), Zeb2(+133810)	N/A
Chr2	45019801	45019723	Chr2.47371	Gtcl(-+157040), Zeb2(+94617)	N/A
Chr2	45019698	45020174	Chr2.47379	Gtcl(-+158314), Zeb2(+93343)	N/A
Chr2	45027940	45028096	Chr2.47428	Gtcl(-+166397), Zeb2(+85260)	N/A
Chr2	45031700	45031970	Chr2.47452	Gtcl(-+170213), Zeb2(+81444)	N/A
Chr2	45032257	45032631	Chr2.47454	Gtcl(-+170822), Zeb2(+80835)	N/A
Chr2	45034691	45035076	Chr2.47464	Gtcl(-+173262), Zeb2(+78399)	N/A
Chr2	45042829	45042960	Chr2.47491	Gtcl(-+181273), Zeb2(+70384)	N/A
Chr2	45043376	45043579	Chr2.47493	Gtcl(-+181856), Zeb2(+69801)	N/A
Chr2	45044657	4504493	Chr2.47499	Gtcl(-+183453), Zeb2(+68204)	N/A
Chr2	45046020	45046238	Chr2.47502	Gtcl(-+184507), Zeb2(+67150)	N/A
Chr2	45047622	45047937	Chr2.47509	Gtcl(-+186158), Zeb2(+65499)	N/A
Chr2	45053954	45054513	Chr2.47532	Gtcl(-+192612), Zeb2(+59049)	N/A
Chr2	45054661	45054795	Chr2.47537	Gtcl(-+193106), Zeb2(+58551)	N/A
Chr2	45055502	45055943	Chr2.47543	Gtcl(-+194101), Zeb2(+57556)	N/A
Chr2	8022173	8022512	Chr2.4755	None	N/A
Chr2	45058936	45059578	Chr2.47562	Gtcl(-+197635), Zeb2(+54022)	N/A
Chr2	45060215	45060520	Chr2.47568	Gtcl(-+198746), Zeb2(+52911)	N/A
Chr2	45061802	45062018	Chr2.47574	Gtcl(-+200338), Zeb2(+51519)	N/A
Chr2	45063502	45063764	Chr2.47584	Gtcl(-+202011), Zeb2(+49646)	N/A
Chr2	45063879	45064105	Chr2.47586	Gtcl(-+202370), Zeb2(+49287)	N/A
Chr2	45067196	45067490	Chr2.47597	Gtcl(-+205721), Zeb2(+45936)	N/A
Chr2	45068019	45068135	Chr2.47602	Gtcl(-+206455), Zeb2(+45202)	N/A
Chr2	45068231	45068401	Chr2.47604	Gtcl(-+206694), Zeb2(+44963)	N/A
Chr2	45071398	45071802	Chr2.47632	Gtcl(-+209978), Zeb2(+41679)	N/A
Chr2	45073280	45073386	Chr2.47647	Gtcl(-+211711), Zeb2(+39946)	N/A
Chr2	45085552	45085669	Chr2.47690	Gtcl(-+223989), Zeb2(+27668)	N/A
Chr2	45087225	45087349	Chr2.47693	Gtcl(-+229665), Zeb2(+25992)	N/A
Chr2	45088747	45089278	Chr2.47706	Gtcl(-+227391), Zeb2(+24266)	N/A
Chr2	45094947	45095110	Chr2.47739	Gtcl(-+233407), Zeb2(+18250)	N/A
Chr2	45095778	45096138	Chr2.47746	Gtcl(-+234336), Zeb2(+17321)	N/A
Chr2	45096700	45096812	Chr2.47748	Gtcl(-+235134), Zeb2(+16523)	N/A
Chr2	45097004	45097164	Chr2.47750	Gtcl(-+235462), Zeb2(+16195)	N/A
Chr2	45097284	45097617	Chr2.47751	Gtcl(-+235829), Zeb2(+15828)	N/A
Chr2	45097803	45098091	Chr2.47753	Gtcl(-+236329), Zeb2(+15332)	N/A
Chr2	45098194	45098367	Chr2.47756	Gtcl(-+236554), Zeb2(+15003)	N/A
Chr2	45098943	45099061	Chr2.47761	Gtcl(-+237380), Zeb2(+14277)	N/A
Chr2	45100877	45101105	Chr2.47776	Gtcl(-+239369), Zeb2(+12288)	N/A
Chr2	45101176	45101453	Chr2.47777	Gtcl(-+239693), Zeb2(+11964)	N/A
Chr2	45101536	45101866	Chr2.47785	Gtcl(-+240079), Zeb2(+11578)	N/A
Chr2	45102292	45102815	Chr2.47794	Gtcl(-+240832), Zeb2(+10725)	N/A
Chr2	45102925	45103310	Chr2.47796	Gtcl(-+241396), Zeb2(+10261)	N/A
Chr2	45103638	45103740	Chr2.47801	Gtcl(-+242067), Zeb2(+9590)	N/A
Chr2	45104019	45104217	Chr2.47806	Gtcl(-+242496), Zeb2(+9161)	N/A
Chr2	45104247	45105040	Chr2.47810	Gtcl(-+243022), Zeb2(+8835)	N/A
Chr2	45105442	45105580	Chr2.47819	Gtcl(-+243679), Zeb2(+7778)	N/A
Chr2	45106486	45106644	Chr2.47832	Gtcl(-+244043), Zeb2(+6714)	N/A

Chr2	45107226	45107351 Chr2.47836	Gldc1(-245667), Zeb2(+5990)	N/A
Chr2	45107820	45107922 Chr2.47840	Gldc1(-246249), Zeb2(+5408)	N/A
Chr2	45107980	45108243 Chr2.47842	Gldc1(-246490), Zeb2(+5167)	N/A
Chr2	45108360	45108490 Chr2.47846	Gldc1(-246803), Zeb2(+4854)	N/A
Chr2	45110619	45110883 Chr2.47857	Gldc1(-249129), Zeb2(+2528)	N/A
Chr2	45111133	45111321 Chr2.47861	Gldc1(-249605), Zeb2(+2052)	N/A
Chr2	45111546	45111808 Chr2.47862	Gldc1(-250055), Zeb2(+1602)	N/A
Chr2	45112001	45112425 Chr2.47864	Gldc1(-250591), Zeb2(+1066)	N/A
Chr2	45112633	45112777 Chr2.47871	Zeb2(+574)	N/A
Chr2	45112864	45113274 Chr2.47873	Zeb2(-570)	N/A
Chr2	45113349	45113525 Chr2.47875	Zeb2(-158)	N/A
Chr2	45113963	45114416 Chr2.47879	Zeb2(-911)	N/A
Chr2	45114567	45114667 Chr2.47884	Zeb2(-1338)	N/A
Chr2	45115436	45115597 Chr2.47890	Zeb2(-2238)	N/A
Chr2	45115836	45115936 Chr2.47892	Zeb2(-2607)	N/A
Chr2	45115973	45116172 Chr2.47894	Zeb2(-2794)	N/A
Chr2	45116207	45116368 Chr2.47896	Zeb2(-3009)	N/A
Chr2	45116489	45116594 Chr2.47898	Zeb2(-3263)	N/A
Chr2	45119581	45119765 Chr2.47916	Zeb2(-6394)	N/A
Chr2	45158274	45158785 Chr2.47994	Zeb2(-45251)	N/A
Chr2	45169454	45169777 Chr2.48032	Zeb2(-56337)	N/A
Chr2	45170635	45170759 Chr2.48040	Zeb2(-57418)	N/A
Chr2	8112399	8112514 Chr2.4807	None	N/A
Chr2	45181453	45181587 Chr2.48074	Zeb2(-68241)	N/A
Chr2	45181896	45182140 Chr2.48075	Zeb2(-68639)	N/A
Chr2	45184370	45184521 Chr2.48088	Zeb2(-71167)	N/A
Chr2	45184673	45184854 Chr2.48091	Zeb2(-71485)	N/A
Chr2	45184890	45185549 Chr2.48093	Zeb2(-71941)	N/A
Chr2	45197356	45197539 Chr2.48117	Zeb2(-84169)	N/A
Chr2	45197816	45198217 Chr2.48118	Zeb2(-84638)	N/A
Chr2	45198433	45198672 Chr2.48119	Zeb2(-85274)	N/A
Chr2	45205911	45206203 Chr2.48143	Zeb2(-92728)	N/A
Chr2	45222180	45222316 Chr2.48178	Zeb2(-108969)	N/A
Chr2	45227305	45228077 Chr2.48201	Zeb2(-114412)	N/A
Chr2	45234952	45235141 Chr2.48234	Zeb2(-121768)	N/A
Chr2	45317995	45318230 Chr2.48416	Zeb2(-204834)	N/A
Chr2	45349768	45350015 Chr2.48442	Zeb2(-23613)	N/A
Chr2	45355701	45355820 Chr2.48448	Zeb2(-242482)	N/A
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Chr2	45356581	45357516 Chr2.48458	Zeb2(-243770)	N/A
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Chr2	45411859	45412023 Chr2.48594	Zeb2(-298662)	N/A
Chr2	45435588	45435789 Chr2.48637	Zeb2(-322410)	N/A
Chr2	45441991	45442381 Chr2.48647	Zeb2(-328907)	N/A
Chr2	45461474	45461703 Chr2.48667	Zeb2(-348310)	N/A
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Chr2	45485043	45485152 Chr2.48693	Zeb2(-371819)	N/A
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Chr2	45486538	45486863 Chr2.48703	Zeb2(-373422)	N/A
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Chr2	45581276	45581581 Chr2.48875	Zeb2(-468150)	N/A
Chr2	45581633	45581822 Chr2.48880	Zeb2(-468449)	N/A
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Chr2	45586832	45587318 Chr2.48894	Zeb2(-473796)	N/A
Chr2	45600405	45600741 Chr2.48916	Zeb2(-487294)	N/A
Chr2	45606233	45606396 Chr2.48933	Zeb2(-493036)	N/A
Chr2	45630169	45630524 Chr2.48989	Zeb2(-517068)	N/A
Chr2	45650690	45650994 Chr2.49026	Zeb2(-537563)	N/A
Chr2	45651110	45651217 Chr2.49029	Zeb2(-537885)	N/A
Chr2	45678706	45679030 Chr2.49087	Zeb2(-565589)	N/A
Chr2	45679683	45679794 Chr2.49099	Zeb2(-566460)	N/A
Chr2	45681420	45681605 Chr2.49108	Zeb2(-568234)	N/A
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Chr2	45744596	45744779 Chr2.49159	Zeb2(-631409)	N/A
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Chr2	45747625	45748355 Chr2.49165	Zeb2(-634711)	N/A
Chr2	45776476	45776667 Chr2.49211	Zeb2(-663230)	N/A
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Chr2	46106798	46106944 Chr2.49596	Zeb2(-983592)	N/A
Chr2	3532965	3533069 Chr2.496	Fam107b(-180441), Cdnf(+19952)	N/A
Chr2	46187734	46188044 Chr2.49711	None	N/A
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Chr2	46443612	46444128 Chr2.49947	None	N/A
Chr2	46444379	46444546 Chr2.49950	None	N/A
Chr2	46451171	46451452 Chr2.49960	None	N/A
Chr2	46465423	46465712 Chr2.49963	None	N/A
Chr2	3113875	3114035 Chr2.5	Fam171a1(-4427)	N/A
Chr2	46549000	46549241 Chr2.50048	None	N/A
Chr2	9638128	9638298 Chr2.5010	None	N/A
Chr2	46765833	46766030 Chr2.50235	None	N/A
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Chr2	47027892	47028191 Chr2.50469	None	N/A
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Chr2	47134882	47135020 Chr2.50598	None	N/A
Chr2	47822699	47823009 Chr2.50954	Acvr2a(-991255)	N/A
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Chr2	48317744	48318191 Chr2.51313	Acvr2a(-496147)	N/A
Chr2	48318491	48318834 Chr2.51324	Acvr2a(-495446)	N/A
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Chr2	48332672	48332826 Chr2.51355	Acvr2a(-481360)	N/A
Chr2	48334564	48334761 Chr2.51365	Acvr2a(-479446)	N/A
Chr2	48417259	48417426 Chr2.51480	Acvr2a(-396766)	N/A
Chr2	48423884	48424208 Chr2.51492	Acvr2a(-390013)	N/A
Chr2	48450400	48450589 Chr2.51557	Acvr2a(-363609)	N/A
Chr2	48480848	48481106 Chr2.51628	Acvr2a(-333132)	N/A
Chr2	48481330	48481691 Chr2.51632	Acvr2a(-332598)	N/A
Chr2	48520584	48520693 Chr2.51671	Acvr2a(-293470)	N/A
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Chr2	48539084	48539286 Chr2.51688	Acvr2a(-274924)	N/A
Chr2	48557268	48557642 Chr2.51725	Acvr2a(-256654)	N/A
Chr2	48564282	48564407 Chr2.51738	Acvr2a(-249764)	N/A
Chr2	48586592	48586932 Chr2.51775	Acvr2a(-227347)	N/A
Chr2	48601763	48601919 Chr2.51809	Acvr2a(-212268)	N/A
Chr2	8802157	8802298 Chr2.51855	None	N/A
Chr2	48617133	48617375 Chr2.51853	Acvr2a(-196855)	N/A
Chr2	48628433	48628638 Chr2.51884	Acvr2a(-185573)	N/A
Chr2	48629145	48629624 Chr2.51889	Acvr2a(-184724)	N/A
Chr2	48631975	48632365 Chr2.51902	Acvr2a(-181939)	N/A
Chr2	48632478	48632591 Chr2.51910	Acvr2a(-181574)	N/A
Chr2	48661138	48661418 Chr2.51948	Acvr2a(-152831)	N/A
Chr2	48705140	48705323 Chr2.52021	Acvr2a(-108877)	N/A
Chr2	48730862	48731054 Chr2.52076	Acvr2a(-83151)	N/A
Chr2	48734522	48734662 Chr2.52083	Acvr2a(-79517)	N/A
Chr2	48814299	48814457 Chr2.52198	Acvr2a(-264)	N/A
Chr2	48814975	48815135 Chr2.52201	Acvr2a(-946)	N/A
Chr2	48815300	48815510 Chr2.52202	Acvr2a(+1296), Orc4(+133871)	N/A
Chr2	48815619	48815746 Chr2.52203	Acvr2a(+1574), Orc4(+133593)	N/A
Chr2	48816005	48816339 Chr2.52209	Acvr2a(+2063), Orc4(+133104)	N/A
Chr2	48816415	48816647 Chr2.52212	Acvr2a(+2422), Orc4(+132745)	N/A
Chr2	48877680	48877802 Chr2.52262	Acvr2a(+63632), Orc4(+71539)	N/A
Chr2	48949427	48949577 Chr2.52372	Orc4(-228)	N/A

Chr2	48950109	48950233	Chr2.52378	Orc4(-895)	N/A
Chr2	48950311	48950488	Chr2.52379	Orc4(-1124)	N/A
Chr2	48950586	48950700	Chr2.52380	Orc4(-1387)	N/A
Chr2	49313496	49313621	Chr2.52816	Epc2(-17927),Mbd5(+67590)	N/A
Chr2	49447894	49448062	Chr2.52710	Epc2(-3513)	N/A
Chr2	49448248	49448528	Chr2.52714	Epc2(-3098)	N/A
Chr2	49452103	49452255	Chr2.52728	Epc2(+693)	N/A
Chr2	49452853	49453067	Chr2.52729	Klf5c(-166338),Epc2(+1474)	N/A
Chr2	49572353	49572554	Chr2.52802	Klf5c(-46844),Epc2(+120968)	N/A
Chr2	49620961	49620932	Chr2.52918	Lyphdb(-16941),Klf5c(+1449)	N/A
Chr2	49672459	49672619	Chr2.52874	Lyphdb(-115149),Klf5c(+53241)	N/A
Chr2	49672762	49672985	Chr2.52877	Lyphdb(-114814),Klf5c(+53576)	N/A
Chr2	49684120	49684232	Chr2.52900	Lyphdb(-103512),Klf5c(+64878)	N/A
Chr2	49711736	49711915	Chr2.52955	Lyphdb(-75862),Klf5c(+92528)	N/A
Chr2	49712342	49712422	Chr2.52960	Lyphdb(-75320),Klf5c(+93070)	N/A
Chr2	49718945	49719181	Chr2.52994	Lyphdb(-68625),Klf5c(+90765)	N/A
Chr2	49719448	49719605	Chr2.52969	Lyphdb(-68161),Klf5c(+100229)	N/A
Chr2	49719936	49720286	Chr2.52972	Lyphdb(-67577),Klf5c(+100813)	N/A
Chr2	49721545	49721648	Chr2.52984	Lyphdb(-66091),Klf5c(+102299)	N/A
Chr2	49723735	49724072	Chr2.53024	Lyphdb(-53784),Klf5c(+114606)	N/A
Chr2	49744104	49744292	Chr2.53049	Lyphdb(-43490),Klf5c(+124909)	N/A
Chr2	49771257	49771357	Chr2.53091	Lyphdb(-16381),Klf5c(+152009)	N/A
Chr2	49773605	49773781	Chr2.53104	Lyphdb(-13965),Klf5c(+154425)	N/A
Chr2	49774659	49774777	Chr2.53116	Lyphdb(-12970),Klf5c(+155420)	N/A
Chr2	49803561	49803710	Chr2.53120	Lyphdb(-262828),Lyphdb(+15948)	N/A
Chr2	49811321	49811584	Chr2.53150	Lyphdb(-255011),Lyphdb(+23745)	N/A
Chr2	49837829	49837982	Chr2.53181	Lyphdb(-228558),Lyphdb(+50218)	N/A
Chr2	49952677	49952793	Chr2.53362	Lyphdb(-113729),Lyphdb(+165047)	N/A
Chr2	50044312	50044607	Chr2.53478	Lyphdb(-22004),Lyphdb(+256772)	N/A
Chr2	50066473	50066597	Chr2.53499	Lyphdb(+71)	N/A
Chr2	50067360	50067623	Chr2.53500	Lyphdb(+1028),Mmadhc(+229225)	N/A
Chr2	50091929	50091958	Chr2.53539	Lyphdb(+25429),Mmadhc(+20462)	N/A
Chr2	50100389	50100622	Chr2.53552	Lyphdb(+34042),Mmadhc(+196211)	N/A
Chr2	50100747	50100940	Chr2.53557	Lyphdb(+34380),Mmadhc(+195873)	N/A
Chr2	50110376	50110600	Chr2.53566	Lyphdb(+44024),Mmadhc(+186229)	N/A
Chr2	50128589	50128749	Chr2.53590	Lyphdb(+62205),Mmadhc(+169048)	N/A
Chr2	50129058	50129265	Chr2.53592	Lyphdb(+62713),Mmadhc(+167546)	N/A
Chr2	50169860	50170236	Chr2.53629	Lyphdb(+103594),Mmadhc(+126669)	N/A
Chr2	50171890	50172156	Chr2.53639	Lyphdb(+105559),Mmadhc(+124694)	N/A
Chr2	50307002	50307129	Chr2.53754	Mmadhc(-10349),Rnd3(+842045)	N/A
Chr2	50347486	50347698	Chr2.53800	Mmadhc(-50875),Rnd3(+801519)	N/A
Chr2	50358891	50358919	Chr2.53815	Mmadhc(-72327),Rnd3(+790087)	N/A
Chr2	50373528	50373600	Chr2.53822	Mmadhc(-76997),Rnd3(+715397)	N/A
Chr2	50424767	50425164	Chr2.53887	Mmadhc(-128249),Rnd3(+724145)	N/A
Chr2	50456566	50456783	Chr2.53940	Mmadhc(-159958),Rnd3(+692436)	N/A
Chr2	50520208	50520355	Chr2.53998	Mmadhc(-223565),Rnd3(+628829)	N/A
Chr2	50549492	50550108	Chr2.54125	Mmadhc(-358333),Rnd3(+494061)	N/A
Chr2	50639634	50639980	Chr2.54151	Mmadhc(-397190),Rnd3(+455504)	N/A
Chr2	50704521	50704637	Chr2.54161	Mmadhc(-407862),Rnd3(+444532)	N/A
Chr2	50760003	50760151	Chr2.54211	Mmadhc(-463360),Rnd3(+389034)	N/A
Chr2	50761349	50761448	Chr2.54215	Mmadhc(-464682),Rnd3(+387712)	N/A
Chr2	50789024	50789307	Chr2.54222	Mmadhc(-492449),Rnd3(+359945)	N/A
Chr2	50810534	50811185	Chr2.54240	Mmadhc(-614143),Rnd3(+338251)	N/A
Chr2	50811325	50811468	Chr2.54255	Mmadhc(-614680),Rnd3(+337714)	N/A
Chr2	50828717	50828853	Chr2.54286	Mmadhc(-532068),Rnd3(+320328)	N/A
Chr2	50835490	50835667	Chr2.54297	Mmadhc(-538862),Rnd3(+313532)	N/A
Chr2	50871260	50871449	Chr2.54343	Mmadhc(-574638),Rnd3(+277756)	N/A
Chr2	50877765	50877961	Chr2.54349	Mmadhc(-581148),Rnd3(+271248)	N/A
Chr2	50889198	50889198	Chr2.54365	Mmadhc(-582428),Rnd3(+259696)	N/A
Chr2	50916635	50916834	Chr2.54389	Mmadhc(-620018),Rnd3(+232378)	N/A
Chr2	50932775	50933033	Chr2.54402	Mmadhc(-636187),Rnd3(+216207)	N/A
Chr2	50942815	50942927	Chr2.54408	Mmadhc(-646154),Rnd3(+206240)	N/A
Chr2	50943362	50943465	Chr2.54409	Mmadhc(-646697),Rnd3(+205697)	N/A
Chr2	50945508	50945632	Chr2.54411	Mmadhc(-648853),Rnd3(+203541)	N/A
Chr2	51001811	51001957	Chr2.54474	Mmadhc(-705167),Rnd3(+147207)	N/A
Chr2	51016041	51016194	Chr2.54488	Mmadhc(-719401),Rnd3(+132993)	N/A
Chr2	51033176	51033285	Chr2.54494	Mmadhc(-736514),Rnd3(+115880)	N/A
Chr2	51039846	51039945	Chr2.54513	Mmadhc(-743179),Rnd3(+109215)	N/A
Chr2	51056652	51056795	Chr2.54527	Mmadhc(-760007),Rnd3(+92387)	N/A
Chr2	51065973	51066113	Chr2.54537	Mmadhc(-769276),Rnd3(+63118)	N/A
Chr2	51069144	51069382	Chr2.54539	Mmadhc(-769536),Rnd3(+62858)	N/A
Chr2	51066387	51066787	Chr2.54542	Mmadhc(-769875),Rnd3(+82519)	N/A
Chr2	51081285	51081437	Chr2.54552	Mmadhc(-784644),Rnd3(+67750)	N/A
Chr2	51087751	51088101	Chr2.54577	Mmadhc(-791209),Rnd3(+61185)	N/A
Chr2	51090758	51090923	Chr2.54589	Mmadhc(-794124),Rnd3(+58270)	N/A
Chr2	51099825	51100151	Chr2.54593	Mmadhc(-803271),Rnd3(+49123)	N/A
Chr2	51100526	51100681	Chr2.54598	Mmadhc(-803887),Rnd3(+48507)	N/A
Chr2	51118673	51118808	Chr2.54609	Mmadhc(-822024),Rnd3(+30370)	N/A
Chr2	51141371	51141604	Chr2.54657	Mmadhc(-844771),Rnd3(+7623)	N/A
Chr2	51142643	51142758	Chr2.54666	Mmadhc(-845984),Rnd3(+6410)	N/A
Chr2	51149341	51146221	Chr2.54684	Rnd3(-20)	N/A
Chr2	51168750	51168852	Chr2.54710	Tas2r134(-46070),Rnd3(-17690)	N/A
Chr2	51180144	51180336	Chr2.54735	Tas2r134(-447271),Rnd3(-31129)	N/A
Chr2	51207805	51207941	Chr2.54751	Tas2r134(-419738),Rnd3(-58662)	N/A
Chr2	51216689	51216858	Chr2.54768	Tas2r134(-410737),Rnd3(-67663)	N/A
Chr2	51219724	51220001	Chr2.54776	Tas2r134(-407648),Rnd3(-70752)	N/A
Chr2	51238421	51238816	Chr2.54805	Tas2r134(-388892),Rnd3(-89580)	N/A
Chr2	51238848	51238967	Chr2.54806	Tas2r134(-388603),Rnd3(-89797)	N/A
Chr2	51267814	51268060	Chr2.54848	Tas2r134(-359574),Rnd3(-118826)	N/A
Chr2	51273482	51273621	Chr2.54851	Tas2r134(-353959),Rnd3(-124441)	N/A
Chr2	51278945	51279167	Chr2.54855	Tas2r134(-348455),Rnd3(-129945)	N/A
Chr2	51285018	51285158	Chr2.54868	Tas2r134(-342422),Rnd3(-135978)	N/A
Chr2	51290867	51291108	Chr2.54875	Tas2r134(-336523),Rnd3(-141677)	N/A
Chr2	51296163	51296340	Chr2.54878	Tas2r134(-331259),Rnd3(-147141)	N/A
Chr2	51334632	51334735	Chr2.54913	Tas2r134(-292827),Rnd3(-185573)	N/A
Chr2	51363541	51363664	Chr2.54927	Tas2r134(-263908),Rnd3(-214492)	N/A
Chr2	51422606	51422746	Chr2.54969	Rnd3(-273565),Tas2r134(-204835)	N/A
Chr2	51444678	51444778	Chr2.54981	Rnd3(-295055),Tas2r134(-192794)	N/A
Chr2	51465911	51465911	Chr2.55012	Tas2r134(-316744),Tas2r134(-161565)	N/A
Chr2	51508236	51508654	Chr2.55026	Rnd3(-359334),Tas2r134(-119066)	N/A
Chr2	51531199	51531376	Chr2.55039	Rnd3(-382177),Tas2r134(-96223)	N/A
Chr2	51531510	51531817	Chr2.55044	Rnd3(-382553),Tas2r134(-95847)	N/A
Chr2	51532985	51533403	Chr2.55052	Rnd3(-384083),Tas2r134(-94317)	N/A
Chr2	51551115	51551276	Chr2.55060	Rnd3(-402065),Tas2r134(-76316)	N/A
Chr2	51556036	51556575	Chr2.55066	Rnd3(-407195),Tas2r134(-71205)	N/A
Chr2	51580996	51581097	Chr2.55098	Rnd3(-431936),Tas2r134(-46464)	N/A
Chr2	51589737	51589974	Chr2.55114	Rnd3(-440745),Tas2r134(-37655)	N/A
Chr2	51599981	51600343	Chr2.55124	Rnd3(-451051),Tas2r134(-27349)	N/A
Chr2	51610335	51610566	Chr2.55130	Rnd3(-461340),Tas2r134(-17060)	N/A
Chr2	51645704	51645917	Chr2.55148	Tas2r134(+18200),Rbm43(-298352)	N/A
Chr2	51657706	51657909	Chr2.55165	Tas2r134(+130297),Rbm43(+277355)	N/A
Chr2	51658271	51658680	Chr2.55170	Tas2r134(+30965),Rbm43(+276687)	N/A
Chr2	51687358	51687620	Chr2.55188	Tas2r134(+59978),Rbm43(+247674)	N/A
Chr2	51697458	51697687	Chr2.55201	Tas2r134(+70062),Rbm43(+237590)	N/A
Chr2	51697747	51697986	Chr2.55205	Tas2r134(+70356),Rbm43(+237299)	N/A
Chr2	51768156	51768270	Chr2.55314	Tas2r134(+140702),Rbm43(+166950)	N/A
Chr2	51768712	51768895	Chr2.55316	Tas2r134(+141293),Rbm43(+166359)	N/A
Chr2	51830157	51830412	Chr2.55348	Rbm43(+104878),Tas2r134(+202774)	N/A
Chr2	51831352	51831472	Chr2.55354	Rbm43(+103751),Tas2r134(+203901)	N/A
Chr2	51841015	51841289	Chr2.55379	Rbm43(+94051),Tas2r134(+213601)	N/A
Chr2	51848906	51847717	Chr2.55388	Rbm43(+88201),Tas2r134(+219451)	N/A
Chr2	51848136	51848313	Chr2.55397	Rbm43(+86938),Tas2r134(+220714)	N/A
Chr2	51892439	51892761	Chr2.55464	Rbm43(+42563),Tas2r134(+265089)	N/A
Chr2	51912787	51912940	Chr2.55478	Rbm43(+22299),Tas2r134(+285353)	N/A
Chr2	52005533	52006645	Chr2.55537	Nmi(-33365),Tnfalp6(-31420)	N/A
Chr2	52037917	52038141	Chr2.55546	Tnfalp6(+20)	N/A
Chr2	52039187	52039333	Chr2.55552	Rlf1(-33577),Tnfalp6(+1251)	N/A
Chr2	52039633	52039733	Chr2.55557	Rlf1(-33154),Tnfalp6(+1674)	N/A
Chr2	52043533	52043635	Chr2.55562	Rlf1(-29253),Tnfalp6(+5575)	N/A
Chr2	52185263	52185431	Chr2.55871	Rlf1(+112510),Neb(+153451)	N/A
Chr2	52358242	52358498	Chr2.56504	Neb(-19607),Arf5a(+66496)	N/A
Chr2	52390452	52390551	Chr2.56511	Neb(-51749),Arf5a(+34354)	N/A
Chr2	52432262	52432594	Chr2.56601	Neb(-7527),Cacnb4(+244403)	N/A
Chr2	52494316	52494498	Chr2.56705	Arf5a(-69506),Cacnb4(+182424)	N/A
Chr2	52533954	52534186	Chr2.56731	Arf5a(-109169),Cacnb4(+142761)	N/A
Chr2	52539628	52539821	Chr2.56738	Arf5a(-114824),Cacnb4(+137106)	N/A
Chr2	52567547	52567747	Chr2.56794	Arf5a(-142746),Cacnb4(+109129)	N/A
Chr2	52580876	52580988	Chr2.56814	Arf5a(-156031),Cacnb4(+95899)	N/A

Chr2	52677101	52677201	Chr2.56876	Cacnb4(-320)	N/A
Chr2	52854468	52854588	Chr2.56983	Fmnl2(-3340)	N/A
Chr2	52870950	52871132	Chr2.57010	Fmnl2(+13173),Prpf40a(+320184)	N/A
Chr2	52873270	52873583	Chr2.57017	Fmnl2(+15559),Prpf40a(+317798)	N/A
Chr2	52873935	52874045	Chr2.57022	Fmnl2(+16122),Prpf40a(+317235)	N/A
Chr2	52880737	52880950	Chr2.57025	Fmnl2(+22976),Prpf40a(+310381)	N/A
Chr2	52901678	52901816	Chr2.57038	Fmnl2(+43879),Prpf40a(+289478)	N/A
Chr2	52911569	52911683	Chr2.57056	Fmnl2(+53758),Prpf40a(+279599)	N/A
Chr2	52927885	52928128	Chr2.57068	Fmnl2(+70139),Prpf40a(+263218)	N/A
Chr2	52928223	52929422	Chr2.57072	Fmnl2(+70458),Prpf40a(+262902)	N/A
Chr2	52943882	52944032	Chr2.57076	Fmnl2(+85089),Prpf40a(+247268)	N/A
Chr2	52944108	52944237	Chr2.57079	Fmnl2(+86305),Prpf40a(+247052)	N/A
Chr2	52945822	52946080	Chr2.57084	Fmnl2(+88083),Prpf40a(+245274)	N/A
Chr2	52946998	52946882	Chr2.57091	Fmnl2(+88922),Prpf40a(+244435)	N/A
Chr2	52964473	52964754	Chr2.57105	Fmnl2(+106746),Prpf40a(+228611)	N/A
Chr2	52973609	52973790	Chr2.57114	Fmnl2(+115832),Prpf40a(+217525)	N/A
Chr2	52981191	52981388	Chr2.57125	Fmnl2(+123422),Prpf40a(+209935)	N/A
Chr2	52985006	52985170	Chr2.57128	Fmnl2(+127220),Prpf40a(+206137)	N/A
Chr2	52985804	52985908	Chr2.57131	Fmnl2(+127988),Prpf40a(+205369)	N/A
Chr2	53030007	53030247	Chr2.57153	Prpf40a(+161098),Fmnl2(+172259)	N/A
Chr2	53030668	53030787	Chr2.57158	Prpf40a(+160497),Fmnl2(+172860)	N/A
Chr2	53037006	53037130	Chr2.57168	Prpf40a(+154157),Fmnl2(+179200)	N/A
Chr2	53038914	53039103	Chr2.57172	Prpf40a(+152216),Fmnl2(+181141)	N/A
Chr2	53053811	53054144	Chr2.57198	Prpf40a(+137247),Fmnl2(+196110)	N/A
Chr2	93513085	53130694	Chr2.57342	Prpf40a(+60589),Fmnl2(+272772)	N/A
Chr2	9352184	9352617	Chr2.5752	Gata3(+526199)	N/A
Chr2	9355085	9355263	Chr2.5763	Gata3(+523426)	N/A
Chr2	9360071	9360215	Chr2.5773	Gata3(+518457)	N/A
Chr2	54436152	54436341	Chr2.58033	Gaint13(-140)	N/A
Chr2	5683647	5683814	Chr2.584	Fam107b(-29727),Cdnf(+170666)	N/A
Chr2	56535779	56545932	Chr2.58486	Kcnj3(-112)	N/A
Chr2	56480102	56480284	Chr2.58539	Kcnj3(+44223)	N/A
Chr2	55818212	55818577	Chr2.58628	Kcnj3(+382425)	N/A
Chr2	56109943	56110222	Chr2.58638	Kcnj3(+674113)	N/A
Chr2	5684036	5684175	Chr2.589	Fam107b(-29352),Cdnf(+171041)	N/A
Chr2	56454546	56455107	Chr2.59026	N4a2(+660211)	N/A
Chr2	56552598	56552868	Chr2.59124	N4a2(+562308)	N/A
Chr2	56683692	56683920	Chr2.59272	N4a2(+431232)	N/A
Chr2	56683981	56684186	Chr2.59276	N4a2(+430954)	N/A
Chr2	5690626	5690770	Chr2.593	Fam107b(-22760),Cdnf(+177633)	N/A
Chr2	57113846	57113966	Chr2.59690	N4a2(+1132)	N/A
Chr2	57114217	57114346	Chr2.59692	N4a2(+756)	N/A
Chr2	57114877	57115113	Chr2.59699	N4a2(+43)	N/A
Chr2	57116698	57117100	Chr2.59708	N4a2(-1861)	N/A
Chr2	57122856	57123217	Chr2.59736	Gpd2(-114641),N4a2(-7999)	N/A
Chr2	57123269	57123466	Chr2.59737	Gpd2(-114310),N4a2(-8330)	N/A
Chr2	57269908	57270045	Chr2.59834	Gaint5(-727907),Gpd2(+32299)	N/A
Chr2	57329363	57329638	Chr2.59923	Gaint5(-668433),Gpd2(+91773)	N/A
Chr2	57365295	57365528	Chr2.60051	Gaint5(-632487),Gpd2(+127719)	N/A
Chr2	57388069	57388563	Chr2.60137	Gaint5(-609568),Gpd2(+150638)	N/A
Chr2	57597741	57598279	Chr2.60360	Gaint5(-399874),Gpd2(+360332)	N/A
Chr2	57613917	57614040	Chr2.60381	Gaint5(-383905),Gpd2(+376301)	N/A
Chr2	57616688	57616932	Chr2.60400	Gaint5(-381084),Gpd2(+379122)	N/A
Chr2	57698982	57698938	Chr2.60452	Gaint5(-299075),Gpd2(+465131)	N/A
Chr2	57698971	57699082	Chr2.60457	Gaint5(-298857),Gpd2(+461349)	N/A
Chr2	57848008	57848233	Chr2.60618	Gaint5(-149763),Gpd2(+610443)	N/A
Chr2	57849784	57850375	Chr2.60622	Gaint5(-147804),Gpd2(+612402)	N/A
Chr2	57899270	57899399	Chr2.60686	Gaint5(-98549),Gpd2(+661657)	N/A
Chr2	57900674	57900581	Chr2.60690	Gaint5(-97456),Gpd2(+663150)	N/A
Chr2	57919421	57919531	Chr2.60716	Gaint5(-78408),Gpd2(+681798)	N/A
Chr2	58174657	58174787	Chr2.60977	Cytlp(-14227),Acvrl(+183173)	N/A
Chr2	58481492	58481792	Chr2.61269	Acvrl(-123747),Acvrl(+85184)	N/A
Chr2	58484297	58484521	Chr2.61276	Acvrl(-126514),Acvrl(+82417)	N/A
Chr2	58485155	58485488	Chr2.61284	Acvrl(-127427),Acvrl(+81504)	N/A
Chr2	58486168	58486358	Chr2.61290	Acvrl(-128367),Acvrl(+80564)	N/A
Chr2	58486936	58487056	Chr2.61294	Acvrl(-128101),Acvrl(+79830)	N/A
Chr2	58486667	58486773	Chr2.61299	Acvrl(-130825),Acvrl(+78106)	N/A
Chr2	58493830	58493975	Chr2.61309	Acvrl(-136008),Acvrl(+72923)	N/A
Chr2	58494187	58494369	Chr2.61311	Acvrl(-136383),Acvrl(+72548)	N/A
Chr2	58507269	58507611	Chr2.61321	Acvrl(-148549),Acvrl(+93886)	N/A
Chr2	58509761	58509865	Chr2.61332	Acvrl(-151918),Acvrl(+57013)	N/A
Chr2	58510155	58510385	Chr2.61338	Acvrl(-152375),Acvrl(+56556)	N/A
Chr2	58516907	58517028	Chr2.61349	Acvrl(-159073),Acvrl(+49858)	N/A
Chr2	58522787	58522893	Chr2.61362	Acvrl(-164945),Acvrl(+43986)	N/A
Chr2	58532108	58532236	Chr2.61380	Acvrl(-174277),Acvrl(+34654)	N/A
Chr2	58533424	58533702	Chr2.61382	Acvrl(-174668),Acvrl(+34263)	N/A
Chr2	58533089	58533212	Chr2.61387	Acvrl(-175256),Acvrl(+33675)	N/A
Chr2	58533635	58534054	Chr2.61389	Acvrl(-175950),Acvrl(+32981)	N/A
Chr2	58554152	58554332	Chr2.61421	Acvrl(-196347),Acvrl(+12584)	N/A
Chr2	58562849	58563084	Chr2.61436	Acvrl(-205072),Acvrl(+3859)	N/A
Chr2	58565420	58565687	Chr2.61442	Acvrl(-207659),Acvrl(+1272)	N/A
Chr2	58566163	58566522	Chr2.61447	Acvrl(+483)	N/A
Chr2	58567825	58568145	Chr2.61456	Acvrl(-1159)	N/A
Chr2	58569257	58569522	Chr2.61457	Acvrl(-2564)	N/A
Chr2	58579874	58580499	Chr2.61470	Upp2(-174993),Acvrl(-13361)	N/A
Chr2	58586270	58586873	Chr2.61477	Upp2(-168708),Acvrl(-19646)	N/A
Chr2	58596212	58596383	Chr2.61488	Upp2(-158827),Acvrl(-29462)	N/A
Chr2	58596756	58596930	Chr2.61491	Upp2(-158337),Acvrl(-30017)	N/A
Chr2	58597019	58597287	Chr2.61493	Upp2(-158027),Acvrl(-30327)	N/A
Chr2	58606086	58606879	Chr2.61526	Upp2(-94397),Acvrl(-93957)	N/A
Chr2	58609183	58609345	Chr2.61551	Acvrl(-102438),Upp2(-85916)	N/A
Chr2	58609616	58609746	Chr2.61555	Acvrl(-102856),Upp2(-85498)	N/A
Chr2	58708418	58708574	Chr2.61595	Acvrl(-141670),Upp2(-46854)	N/A
Chr2	58768986	58769174	Chr2.61639	Gm1109(-90354),Upp2(+13900)	N/A
Chr2	59632845	9633286	Chr2.6171	Gata3(+245534)	N/A
Chr2	58835117	58835598	Chr2.61740	Gm1109(-24076),Upp2(+80178)	N/A
Chr2	58844691	58844852	Chr2.61747	Gm1109(-14682),Upp2(+89592)	N/A
Chr2	58847940	58848100	Chr2.61752	Gm1109(-11414),Upp2(+29849)	N/A
Chr2	58971154	58971277	Chr2.61866	Gm1109(+111782),Ccdc148(+189467)	N/A
Chr2	59044184	59044337	Chr2.61963	Ccdc148(+116422),Gm1109(+184827)	N/A
Chr2	59049249	59049388	Chr2.61971	Ccdc148(+111364),Gm1109(+189885)	N/A
Chr2	59160654	59160815	Chr2.61994	Pkp4(-115),Ccdc148(-52)	N/A
Chr2	59162335	59162386	Chr2.62001	Ccdc148(-1778),Pkp4(+1611)	N/A
Chr2	59163193	59163330	Chr2.62009	Ccdc148(-2579),Pkp4(+2412)	N/A
Chr2	59190394	59190509	Chr2.62039	Dapl1(-294201),Pkp4(+29602)	N/A
Chr2	59193001	59193154	Chr2.62048	Dapl1(-291575),Pkp4(+32228)	N/A
Chr2	59193191	59193372	Chr2.62050	Dapl1(-291371),Pkp4(+32432)	N/A
Chr2	59200545	59200786	Chr2.62070	Dapl1(-283987),Pkp4(+39816)	N/A
Chr2	59214859	59215104	Chr2.62086	Dapl1(-269871),Pkp4(+54132)	N/A
Chr2	59219972	59220189	Chr2.62098	Dapl1(-264572),Pkp4(+59331)	N/A
Chr2	59324855	59324977	Chr2.62246	Dapl1(-159737),Pkp4(+164066)	N/A
Chr2	59351319	59351512	Chr2.62313	Dapl1(-133237),Pkp4(+190566)	N/A
Chr2	59351552	59351658	Chr2.62314	Dapl1(-133048),Pkp4(+190755)	N/A
Chr2	59410111	59401159	Chr2.62341	Dapl1(-83568),Pkp4(+240235)	N/A
Chr2	59438355	59438456	Chr2.62370	Dapl1(-46247),Pkp4(+277556)	N/A
Chr2	59466971	59467099	Chr2.62397	Dapl1(-17618),Pkp4(+306185)	N/A
Chr2	59467148	59467339	Chr2.62400	Dapl1(-17409),Pkp4(+306394)	N/A
Chr2	59485708	59485986	Chr2.62420	Tanc1(-126197),Dapl1(+1194)	N/A
Chr2	59493588	59493873	Chr2.62426	Tanc1(-118313),Dapl1(+9078)	N/A
Chr2	59543606	59543942	Chr2.62474	Tanc1(-68270),Dapl1(+59121)	N/A
Chr2	59544372	59544630	Chr2.62478	Tanc1(-67543),Dapl1(+59848)	N/A
Chr2	59562695	59563075	Chr2.62495	Tanc1(-49159),Dapl1(+78232)	N/A
Chr2	59593848	59594317	Chr2.62515	Tanc1(-17961),Dapl1(+109430)	N/A
Chr2	59609132	59609281	Chr2.62539	Tanc1(-2837)	N/A
Chr2	59610930	59611043	Chr2.62547	Tanc1(-1057)	N/A
Chr2	59613727	59614180	Chr2.62553	Tanc1(+1910),Wdsusb1(+268630)	N/A
Chr2	59614247	59614429	Chr2.62562	Tanc1(+2254),Wdsusb1(+268246)	N/A
Chr2	59617928	59618087	Chr2.62577	Tanc1(+5964),Wdsusb1(+264576)	N/A
Chr2	59644800	59645261	Chr2.62597	Tanc1(+32987),Wdsusb1(+237553)	N/A
Chr2	59648213	59648314	Chr2.62607	Tanc1(+36220),Wdsusb1(+234230)	N/A
Chr2	59649436	59649608	Chr2.62610	Tanc1(+36478),Wdsusb1(+234052)	N/A
Chr2	59652019	59652134	Chr2.62613	Tanc1(+40023),Wdsusb1(+235057)	N/A
Chr2	59656758	59656970	Chr2.62621	Tanc1(+44820),Wdsusb1(+225720)	N/A
Chr2	59661460	59661604	Chr2.62632	Tanc1(+49488),Wdsusb1(+221052)	N/A
Chr2	59676135	59676245	Chr2.62645	Tanc1(+64146),Wdsusb1(+206394)	N/A
Chr2	59685301	59685518	Chr2.62684	Tanc1(+73366),Wdsusb1(+197174)	N/A
Chr2	59693492	59693599	Chr2.62677	Tanc1(+61532),Wdsusb1(+189388)	N/A
Chr2	59699061	59699180	Chr2.62685	Tanc1(+87077),Wdsusb1(+183463)	N/A

Chr2	59699918	59700121	Chr2.62689	Tanc1(+87976),Wdsu1(+182564)	N/A
Chr2	59710191	59701530	Chr2.62697	Tanc1(+89267),Wdsu1(+181273)	N/A
Chr2	59705224	59705580	Chr2.62707	Tanc1(+93359),Wdsu1(+177182)	N/A
Chr2	59713814	59714010	Chr2.62722	Tanc1(+101868),Wdsu1(+166672)	N/A
Chr2	59719096	59719276	Chr2.62726	Tanc1(+107142),Wdsu1(+163398)	N/A
Chr2	59720172	59720420	Chr2.62734	Tanc1(+108252),Wdsu1(+162288)	N/A
Chr2	59726188	59726364	Chr2.62750	Tanc1(+114232),Wdsu1(+156308)	N/A
Chr2	59733450	59733593	Chr2.62762	Tanc1(+121478),Wdsu1(+149062)	N/A
Chr2	59730541	59736682	Chr2.62766	Tanc1(+124558),Wdsu1(+145972)	N/A
Chr2	59752638	59753030	Chr2.62773	Wdsu1(+129650),Tanc1(+140890)	N/A
Chr2	59769223	59769344	Chr2.62792	Wdsu1(+113300),Tanc1(+157240)	N/A
Chr2	59771871	59772070	Chr2.62808	Wdsu1(+110613),Tanc1(+159927)	N/A
Chr2	59778627	59778892	Chr2.62827	Wdsu1(+103824),Tanc1(+166716)	N/A
Chr2	59786386	59786498	Chr2.62845	Wdsu1(+96142),Tanc1(+174398)	N/A
Chr2	59786784	59786914	Chr2.62849	Wdsu1(+95735),Tanc1(+174805)	N/A
Chr2	59793955	59795911	Chr2.62890	Wdsu1(+83146),Tanc1(+187394)	N/A
Chr2	59817992	59818105	Chr2.62945	Wdsu1(+64535),Tanc1(+206005)	N/A
Chr2	59840247	59840506	Chr2.62999	Wdsu1(+42207),Tanc1(+228333)	N/A
Chr2	60037025	60037302	Chr2.63256	Wdsu1(-154580),Baz2b(+88533)	N/A
Chr2	60037359	60037530	Chr2.63258	Wdsu1(-154961),Baz2b(+88252)	N/A
Chr2	60042768	60042902	Chr2.63265	Wdsu1(-160251),Baz2b(+82962)	N/A
Chr2	60086341	60086445	Chr2.63292	Wdsu1(-203809),Baz2b(+39304)	N/A
Chr2	60118789	60119476	Chr2.63311	Wdsu1(-236549),Baz2b(+6564)	N/A
Chr2	60122145	60122410	Chr2.63318	Wdsu1(-239694),Baz2b(+3419)	N/A
Chr2	60122443	60122545	Chr2.63320	Wdsu1(-239910),Baz2b(+3203)	N/A
Chr2	60123196	60123424	Chr2.63322	Wdsu1(-240721),Baz2b(+2382)	N/A
Chr2	60123496	60123831	Chr2.63323	Wdsu1(-241080),Baz2b(+2033)	N/A
Chr2	60124541	60124701	Chr2.63330	Wdsu1(-242037),Baz2b(+1076)	N/A
Chr2	60125659	60125809	Chr2.63336	Baz2b(-37)	N/A
Chr2	60126797	60126925	Chr2.63344	Baz2b(-1164)	N/A
Chr2	60129707	60129636	Chr2.63350	Baz2b(-4079)	N/A
Chr2	60445320	60445516	Chr2.63725	Ly75(-62187),Pla2r1(+107990)	N/A
Chr2	60543979	60544185	Chr2.63859	Ly75(-160851),Pla2r1(+9226)	N/A
Chr2	60636269	60636398	Chr2.64009	Pla2r1(-83026),Ilgb6(+37377)	N/A
Chr2	60640145	60640528	Chr2.64027	Pla2r1(-87029),Ilgb6(+33374)	N/A
Chr2	60673587	60673841	Chr2.64113	Ilgb6(-3)	N/A
Chr2	60713968	60714437	Chr2.64151	Ilgb6(-40492),Rbms1(+167235)	N/A
Chr2	60717288	60717426	Chr2.64157	Ilgb6(-43636),Rbms1(+164091)	N/A
Chr2	60717564	60717701	Chr2.64160	Ilgb6(-43922),Rbms1(+163805)	N/A
Chr2	9835476	9835587	Chr2.6417	Gata3(+43068)	N/A
Chr2	60722402	60722800	Chr2.64180	Ilgb6(-48890),Rbms1(+158837)	N/A
Chr2	60773728	60773901	Chr2.64265	Ilgb6(-120014),Rbms1(+107623)	N/A
Chr2	60796694	60796994	Chr2.64294	Ilgb6(-12308),Rbms1(+94539)	N/A
Chr2	60797053	60797562	Chr2.64298	Ilgb6(-123597),Rbms1(+84130)	N/A
Chr2	60799473	60799590	Chr2.64308	Ilgb6(-125821),Rbms1(+81906)	N/A
Chr2	60801884	60801990	Chr2.64311	Ilgb6(-128226),Rbms1(+79501)	N/A
Chr2	60819964	60820176	Chr2.64341	Ilgb6(-146359),Rbms1(+61368)	N/A
Chr2	9853287	9853395	Chr2.6436	Gata3(+25269)	N/A
Chr2	60843125	60843267	Chr2.64363	Ilgb6(-169485),Rbms1(+38242)	N/A
Chr2	60856994	60857135	Chr2.64379	Ilgb6(-183354),Rbms1(+24373)	N/A
Chr2	60876136	60876295	Chr2.64395	Ilgb6(-202505),Rbms1(+5222)	N/A
Chr2	60876725	60876846	Chr2.64398	Ilgb6(-203075),Rbms1(+4652)	N/A
Chr2	60877509	60877771	Chr2.64402	Ilgb6(-203929),Rbms1(+3798)	N/A
Chr2	60878247	60878786	Chr2.64408	Ilgb6(-205806),Rbms1(+1921)	N/A
Chr2	60880224	60880514	Chr2.64411	Ilgb6(-206558),Rbms1(+1069)	N/A
Chr2	60880551	60880736	Chr2.64412	Rbms1(+793)	N/A
Chr2	60902574	60902846	Chr2.64440	Tank(-675876),Rbms1(-21272)	N/A
Chr2	60903864	60903780	Chr2.64444	Tank(-674864),Rbms1(-22284)	N/A
Chr2	60904245	60904398	Chr2.64448	Tank(-674264),Rbms1(-22884)	N/A
Chr2	60903871	60903496	Chr2.64458	Tank(-670152),Rbms1(-26996)	N/A
Chr2	60904459	60904718	Chr2.64516	Tank(-637997),Rbms1(-59151)	N/A
Chr2	60941158	60941433	Chr2.64517	Tank(-637290),Rbms1(-59858)	N/A
Chr2	60960498	60960958	Chr2.64542	Tank(-617858),Rbms1(-79290)	N/A
Chr2	60960994	60961098	Chr2.64546	Tank(-617540),Rbms1(-79608)	N/A
Chr2	60961938	60962135	Chr2.64559	Tank(-616549),Rbms1(-80598)	N/A
Chr2	60962686	60962823	Chr2.64566	Tank(-615831),Rbms1(-81317)	N/A
Chr2	60962999	60963128	Chr2.64569	Tank(-615522),Rbms1(-81626)	N/A
Chr2	60963851	60964183	Chr2.64576	Tank(-614569),Rbms1(-82579)	N/A
Chr2	61058742	61059127	Chr2.64631	Tank(-519651),Rbms1(-177497)	N/A
Chr2	61059285	61059422	Chr2.64635	Tank(-519232),Rbms1(-177916)	N/A
Chr2	61084372	61084757	Chr2.64649	Tank(-494021),Rbms1(-203127)	N/A
Chr2	61138836	61139244	Chr2.64709	Tank(-439546),Rbms1(-257602)	N/A
Chr2	61139306	61139488	Chr2.64711	Tank(-439189),Rbms1(-257599)	N/A
Chr2	61176985	61177102	Chr2.64737	Tank(-401542),Rbms1(-295606)	N/A
Chr2	61246810	61246986	Chr2.64818	Rbms1(-365460),Tank(-331688)	N/A
Chr2	9857112	9857434	Chr2.6482	Gata3(+11227)	N/A
Chr2	61247016	61247133	Chr2.64823	Rbms1(-365637),Tank(-331511)	N/A
Chr2	61271035	61271172	Chr2.64836	Rbms1(-389666),Tank(-307482)	N/A
Chr2	61284378	61284477	Chr2.64853	Rbms1(-402990),Tank(-294158)	N/A
Chr2	61344541	61344665	Chr2.64917	Rbms1(-463165),Tank(-233983)	N/A
Chr2	61346231	61346390	Chr2.64928	Rbms1(-464676),Tank(-232272)	N/A
Chr2	61346829	61346960	Chr2.64933	Rbms1(-465457),Tank(-231681)	N/A
Chr2	61347458	61347824	Chr2.64936	Rbms1(-466203),Tank(-230945)	N/A
Chr2	61354146	61354509	Chr2.64955	Rbms1(-472890),Tank(-224258)	N/A
Chr2	9872921	9873117	Chr2.6499	Gata3(+5581)	N/A
Chr2	61387890	61387855	Chr2.65006	Rbms1(-506330),Tank(-190818)	N/A
Chr2	61398677	61398874	Chr2.65024	Rbms1(-517338),Tank(-179619)	N/A
Chr2	61402149	61402380	Chr2.65032	Rbms1(-520827),Tank(-176321)	N/A
Chr2	61402445	61402988	Chr2.65037	Rbms1(-521279),Tank(-175869)	N/A
Chr2	61454000	61454196	Chr2.65063	Rbms1(-572660),Tank(-124488)	N/A
Chr2	61454465	61454573	Chr2.65071	Rbms1(-573081),Tank(-124067)	N/A
Chr2	61542761	61543140	Chr2.65149	Rbms1(-661513),Tank(-35635)	N/A
Chr2	9875919	9876221	Chr2.65156	Gata3(+2530)	N/A
Chr2	61547276	61547480	Chr2.65169	Rbms1(-665940),Tank(-31208)	N/A
Chr2	61566701	61566879	Chr2.65197	Rbms1(-685352),Tank(-11796)	N/A
Chr2	61580608	61580792	Chr2.65227	Psmf14(-130994),Tank(+2114)	N/A
Chr2	61603005	61603192	Chr2.65245	Psmf14(-108595),Tank(+24513)	N/A
Chr2	9878534	9878683	Chr2.65326	4930412013rk(-2643),Gata3(-9)	N/A
Chr2	61655253	61655437	Chr2.65323	Psmf14(-56349),Tank(+78759)	N/A
Chr2	61655846	61656022	Chr2.65326	Psmf14(-55760),Tank(+77348)	N/A
Chr2	9880987	9881206	Chr2.6534	Gata3(-2497),4930412013rk(-155)	N/A
Chr2	9882401	9882618	Chr2.6536	Gata3(-3910),4930412013rk(+1258)	N/A
Chr2	61696306	61696413	Chr2.65376	Psmf14(-25334),Tank(+107744)	N/A
Chr2	61711695	61711816	Chr2.65404	Psmf14(+62)	N/A
Chr2	9883526	9883653	Chr2.6545	Gata3(-4990),92301020a4rk(+403)	N/A
Chr2	61815077	61815218	Chr2.65596	Slc4a10(-231497),Tbr1(+10695)	N/A
Chr2	61815630	61815772	Chr2.65600	Slc4a10(-230944),Tbr1(+11248)	N/A
Chr2	62046491	62046752	Chr2.65728	Slc4a10(-23)	N/A
Chr2	62046801	62047192	Chr2.65729	Slc4a10(+252)	N/A
Chr2	62047271	62047407	Chr2.65735	Slc4a10(+694)	N/A
Chr2	62047789	62047957	Chr2.65742	Slc4a10(+1228),Dpp4(+364358)	N/A
Chr2	9895974	9896308	Chr2.6583	92301020a4rk(-12148),Taf3(+152455)	N/A
Chr2	62360034	62360228	Chr2.66104	Dpp4(+52100),Slc4a10(+313486)	N/A
Chr2	62391219	62391515	Chr2.66182	Dpp4(+20864),Slc4a10(+344722)	N/A
Chr2	62562553	62562752	Chr2.66427	Gsg(-79003),Fap(+11422)	N/A
Chr2	62573424	62573779	Chr2.66437	Fap(+473)	N/A
Chr2	62573837	62574155	Chr2.66443	Fap(+79)	N/A
Chr2	62574383	62574746	Chr2.66447	Fap(-490)	N/A
Chr2	62575170	62575295	Chr2.66452	Fap(-1158)	N/A
Chr2	9926319	9926786	Chr2.6655	92301020a4rk(-42560),Taf3(+122043)	N/A
Chr2	62646881	62647137	Chr2.66601	Rtn1(-798)	N/A
Chr2	63183712	63183915	Chr2.67084	Kcnh7(+464)	N/A
Chr2	63183986	63184306	Chr2.67088	Kcnh7(+132)	N/A
Chr2	9956487	9956800	Chr2.6721	92301020a4rk(-72651),Taf3(+91952)	N/A
Chr2	63573951	63574152	Chr2.67399	Kcnh7(-389774),Fign(+523960)	N/A
Chr2	63701902	63702283	Chr2.67515	Kcnh7(-517805),Fign(+399292)	N/A
Chr2	63703174	63703424	Chr2.67522	Kcnh7(-519021),Fign(+394713)	N/A
Chr2	10002755	10002920	Chr2.6761	92301020a4rk(-118845),Taf3(+45758)	N/A
Chr2	63828133	63828434	Chr2.67672	Kcnh7(-644006),Fign(+269728)	N/A
Chr2	63829179	63829348	Chr2.67678	Kcnh7(-644986),Fign(+268748)	N/A
Chr2	63830577	63830745	Chr2.67686	Kcnh7(-646383),Fign(+267351)	N/A
Chr2	63849698	63849878	Chr2.67700	Kcnh7(-665505),Fign(+246229)	N/A
Chr2	63853523	63853668	Chr2.67711	Kcnh7(-669318),Fign(+244416)	N/A
Chr2	63854343	63854633	Chr2.67715	Kcnh7(-670210),Fign(+243524)	N/A
Chr2	63856384	63857027	Chr2.67734	Kcnh7(-672428),Fign(+241306)	N/A
Chr2	63862744	63862936	Chr2.67751	Kcnh7(-678562),Fign(+235172)	N/A
Chr2	63876879	63877080	Chr2.67797	Kcnh7(-692702),Fign(+221032)	N/A
Chr2	63877171	63877300	Chr2.67799	Kcnh7(-692958),Fign(+220776)	N/A

Chr2	63877434	63877645	Chr2.67801	Kanh7(-693262),Fign(+220472)	N/A
Chr2	63878879	63879083	Chr2.67808	Kanh7(-694703),Fign(+219031)	N/A
Chr2	63926544	63926854	Chr2.67858	Kanh7(-742421),Fign(+171313)	N/A
Chr2	63964547	63964653	Chr2.67915	Kanh7(-780322),Fign(+133412)	N/A
Chr2	63964700	63965052	Chr2.67916	Kanh7(-780598),Fign(+133136)	N/A
Chr2	63971079	63971217	Chr2.67928	Kanh7(-786870),Fign(+126864)	N/A
Chr2	63972360	63972713	Chr2.67936	Kanh7(-788259),Fign(+125475)	N/A
Chr2	63972744	63972928	Chr2.67937	Kanh7(-788558),Fign(+125176)	N/A
Chr2	63977404	63977446	Chr2.67942	Kanh7(-789947),Fign(+123787)	N/A
Chr2	63981368	63981715	Chr2.67991	Kanh7(-797264),Fign(+116470)	N/A
Chr2	63982231	63982961	Chr2.67993	Kanh7(-798318),Fign(+115416)	N/A
Chr2	64004742	64005097	Chr2.68049	Kanh7(-820642),Fign(+93092)	N/A
Chr2	10048530	10048632	Chr2.6807	Taf3(+15)	N/A
Chr2	64043188	64043335	Chr2.68117	Kanh7(-859894),Fign(+54750)	N/A
Chr2	64053791	64053908	Chr2.68143	Kanh7(-869571),Fign(+44163)	N/A
Chr2	64065576	64065724	Chr2.68164	Kanh7(-881372),Fign(+32362)	N/A
Chr2	64067976	64068184	Chr2.68172	Kanh7(-883802),Fign(+29932)	N/A
Chr2	64074926	64075196	Chr2.68198	Kanh7(-890783),Fign(+22951)	N/A
Chr2	64075459	64075648	Chr2.68203	Kanh7(-891276),Fign(+22458)	N/A
Chr2	64075680	64076246	Chr2.68204	Kanh7(-891685),Fign(+22049)	N/A
Chr2	64081345	64081576	Chr2.68232	Kanh7(-897183),Fign(+16551)	N/A
Chr2	64084043	64084143	Chr2.68246	Kanh7(-899815),Fign(+13919)	N/A
Chr2	64092911	64093098	Chr2.68281	Kanh7(-908727),Fign(+5007)	N/A
Chr2	64093615	64093813	Chr2.68289	Kanh7(-909436),Fign(+4298)	N/A
Chr2	64094560	64094856	Chr2.68294	Kanh7(-910430),Fign(+3394)	N/A
Chr2	64095064	64095444	Chr2.68295	Kanh7(-910976),Fign(+2758)	N/A
Chr2	64095523	64095789	Chr2.68299	Kanh7(-911378),Fign(+2356)	N/A
Chr2	64095900	64096045	Chr2.68301	Kanh7(-911695),Fign(+2039)	N/A
Chr2	64095655	64096704	Chr2.68306	Kanh7(-912357),Fign(+1377)	N/A
Chr2	64096870	64097070	Chr2.68307	Kanh7(-912692),Fign(+1042)	N/A
Chr2	64097153	64097791	Chr2.68309	Fign(+940)	N/A
Chr2	64097822	64098098	Chr2.68311	Fign(+52)	N/A
Chr2	64098321	64098421	Chr2.68315	Fign(-359)	N/A
Chr2	64098715	64098853	Chr2.68320	Fign(-772)	N/A
Chr2	64098884	64099451	Chr2.68323	Fign(-1156)	N/A
Chr2	64103874	64104108	Chr2.68346	Fign(-5979),Grb14(+918791)	N/A
Chr2	64325603	64325846	Chr2.68537	Fign(-22713),Grb14(+697057)	N/A
Chr2	64328223	64328465	Chr2.68539	Fign(-228332),Grb14(+696438)	N/A
Chr2	64394585	64395537	Chr2.68630	Fign(-297049),Grb14(+627721)	N/A
Chr2	64396008	64396200	Chr2.68631	Fign(-298092),Grb14(+626678)	N/A
Chr2	3892761	3892947	Chr2.689	Fmrd4a(-260018),Fam107b(+179396)	N/A
Chr2	64708518	64709748	Chr2.69014	Fign(-611621),Grb14(+313149)	N/A
Chr2	64820090	64820316	Chr2.69110	Fign(-722168),Grb14(+202564)	N/A
Chr2	64822785	64823213	Chr2.69120	Fign(-724987),Grb14(+199783)	N/A
Chr2	64859618	64859925	Chr2.69194	Fign(-761760),Grb14(+163010)	N/A
Chr2	64887305	64887505	Chr2.69258	Fign(-789393),Grb14(+135377)	N/A
Chr2	64948597	64949737	Chr2.69414	Fign(-850658),Grb14(+74715)	N/A
Chr2	64972898	64972853	Chr2.69444	Fign(-874764),Grb14(+50026)	N/A
Chr2	65007419	65007918	Chr2.69484	Fign(-909657),Grb14(+15113)	N/A
Chr2	65021640	65021889	Chr2.69500	Fign(-923753),Grb14(+1017)	N/A
Chr2	65021979	65022139	Chr2.69501	Grb14(+723)	N/A
Chr2	65022239	65022416	Chr2.69502	Grb14(+454)	N/A
Chr2	65237645	65237788	Chr2.69715	Cobf1(+909)	N/A
Chr2	65285549	65285727	Chr2.69748	Cobf1(+47012),Slc38a1(+78388)	N/A
Chr2	65415175	65415345	Chr2.69877	Slc38a1(-51234),Scn3a(+152367)	N/A
Chr2	65564026	65564168	Chr2.70119	Slc38a1(-200071),Scn3a(+3530)	N/A
Chr2	65565686	65565814	Chr2.70123	Slc38a1(-201724),Scn3a(+1877)	N/A
Chr2	65567039	65567515	Chr2.70131	Scn3a(+350)	N/A
Chr2	65686737	65686934	Chr2.70185	Camp3(-176931),Scn2a(+47979)	N/A
Chr2	65818222	65818843	Chr2.70353	Camp3(-27084),Scn2a(+197826)	N/A
Chr2	65845719	65845891	Chr2.70415	Camp3(+38)	N/A
Chr2	65896669	65896923	Chr2.70471	Camp3(+51029),Gaint3(+228198)	N/A
Chr2	65929454	65929621	Chr2.70528	Camp3(+83771),Gaint3(+195456)	N/A
Chr2	65929965	65930500	Chr2.70536	Camp3(+84466),Gaint3(+194761)	N/A
Chr2	65931673	65931813	Chr2.70544	Camp3(+85976),Gaint3(+193251)	N/A
Chr2	65931850	65932224	Chr2.70546	Camp3(+86270),Gaint3(+192957)	N/A
Chr2	65953918	65954125	Chr2.70596	Camp3(+108255),Gaint3(+170972)	N/A
Chr2	65993177	65993347	Chr2.70632	Gaint3(+131732),Camp3(+147495)	N/A
Chr2	65993418	65993764	Chr2.70635	Gaint3(+131403),Camp3(+147824)	N/A
Chr2	65995253	65995365	Chr2.70644	Gaint3(+129685),Camp3(+146542)	N/A
Chr2	66041416	66041723	Chr2.70764	Gaint3(+83424),Camp3(+195803)	N/A
Chr2	66041946	66042177	Chr2.70768	Gaint3(+82932),Camp3(+196295)	N/A
Chr2	66123889	66124158	Chr2.70836	Gaint3(+970)	N/A
Chr2	66124614	66124808	Chr2.70843	Gaint3(+283)	N/A
Chr2	66173300	66173403	Chr2.70884	Gaint3(-48358),Tlc21b(+83265)	N/A
Chr2	66173617	66173621	Chr2.70888	Gaint3(-53113),Tlc21b(+78510)	N/A
Chr2	66178249	66178605	Chr2.70891	Gaint3(-53433),Tlc21b(+78190)	N/A
Chr2	66180360	66180490	Chr2.70901	Gaint3(-55431),Tlc21b(+76192)	N/A
Chr2	66409841	66410085	Chr2.71177	Scn1a(-58768),Scn9a(+224989)	N/A
Chr2	66440333	66440525	Chr2.71195	Scn1a(-89234),Scn9a(+194523)	N/A
Chr2	3910120	3910444	Chr2.713	Fmrd4a(-242590),Fam107b(+198524)	N/A
Chr2	10264313	10264452	Chr2.71532	Sfmb2(-108067),Iltk5(+110812)	N/A
Chr2	10285084	10285183	Chr2.7169	Sfmb2(-87316),Iltk5(+131563)	N/A
Chr2	67565894	67565994	Chr2.72310	B3galt1(-551769),Xirp2(+119942)	N/A
Chr2	10373685	10373820	Chr2.7239	Prkcg(-798579),Sfmb2(+1353)	N/A
Chr2	10375279	10375401	Chr2.7246	Prkcg(-797942),Sfmb2(+2890)	N/A
Chr2	68729236	68729465	Chr2.72539	B3galt1(-286362),Xirp2(+383338)	N/A
Chr2	68175592	68175744	Chr2.73043	B3galt1(+57955),Slk39(+296600)	N/A
Chr2	68222588	68222739	Chr2.73096	B3galt1(+104951),Slk39(+249604)	N/A
Chr2	68222859	68223183	Chr2.73100	B3galt1(+105308),Slk39(+249247)	N/A
Chr2	68248658	68248773	Chr2.73129	B3galt1(+131003),Slk39(+223552)	N/A
Chr2	68315075	68315192	Chr2.73216	Slk39(+157134),B3galt1(+197421)	N/A
Chr2	68365596	68365728	Chr2.73285	Slk39(+106606),B3galt1(+247949)	N/A
Chr2	68442208	68442328	Chr2.73380	Slk39(+30000),B3galt1(+324555)	N/A
Chr2	68442540	68442710	Chr2.73386	Slk39(+29643),B3galt1(+324912)	N/A
Chr2	68472449	68472564	Chr2.73430	Slk39(-239)	N/A
Chr2	68809556	68809824	Chr2.73478	Cers6(-54701),4932414n04nk(+146898)	N/A
Chr2	68849780	68849808	Chr2.73517	Nostrin(-250892),Cers6(-23467)	N/A
Chr2	68957902	68958109	Chr2.73546	Nostrin(-177794),Cers6(+965559)	N/A
Chr2	69040761	69040893	Chr2.73607	Nostrin(-94973),Cers6(+179386)	N/A
Chr2	69084587	69084756	Chr2.73651	Nostrin(-51128),Cers6(+223231)	N/A
Chr2	69086925	69087188	Chr2.73654	Nostrin(-48743),Cers6(+225616)	N/A
Chr2	69108705	69108929	Chr2.73677	Nostrin(-26983),Cers6(+247378)	N/A
Chr2	69215513	69215633	Chr2.73793	G6pc2(-4398)	N/A
Chr2	4017897	4018056	Chr2.740	Fmrd4a(-134895),Fam107b(+304519)	N/A
Chr2	4018448	4018589	Chr2.745	Fmrd4a(-134353),Fam107b(+305061)	N/A
Chr2	69530264	69530383	Chr2.74559	Lrp2(+55741),Dhrs9(+149879)	N/A
Chr2	69544210	69544325	Chr2.74605	Lrp2(+41797),Dhrs9(+163823)	N/A
Chr2	69548776	69548964	Chr2.74617	Lrp2(+37194),Dhrs9(+168426)	N/A
Chr2	69673574	69673827	Chr2.74679	Lrp2(+13284),Dhrs9(+193269)	N/A
Chr2	69584451	69584566	Chr2.74687	Lrp2(+1555),Dhrs9(+204064)	N/A
Chr2	69586022	69586184	Chr2.74694	Lrp2(-38)	N/A
Chr2	69587908	69588009	Chr2.74698	Lrp2(-1894)	N/A
Chr2	69589102	69589292	Chr2.74700	Lrp2(-2132)	N/A
Chr2	69612228	69612349	Chr2.74712	Bbs5(-34919),Lrp2(-26224)	N/A
Chr2	69629092	69629455	Chr2.74725	Lrp2(-43209),Bbs5(-17934)	N/A
Chr2	69722803	69722914	Chr2.74892	Ppig(-234)	N/A
Chr2	69723232	69723334	Chr2.74897	Ppig(+190)	N/A
Chr2	4018756	4018860	Chr2.749	Fmrd4a(-134064),Fam107b(+305350)	N/A
Chr2	69820421	69820554	Chr2.75024	Sbb(-35069),Kln22b(+1123)	N/A
Chr2	69898412	69898513	Chr2.75088	Myo3b(-149663),Ubr3(+1217)	N/A
Chr2	70044588	70044704	Chr2.75225	Sp5(-430277),Myo3b(+5520)	N/A
Chr2	70127728	70127875	Chr2.75379	Sp5(-347121),Myo3b(+88676)	N/A
Chr2	70159723	70159946	Chr2.75443	Sp5(-315088),Myo3b(+120709)	N/A
Chr2	70168576	70168701	Chr2.75450	Sp5(-306284),Myo3b(+129513)	N/A
Chr2	70168759	70168885	Chr2.75452	Sp5(-306101),Myo3b(+129995)	N/A
Chr2	70177796	70177979	Chr2.75471	Sp5(-297035),Myo3b(+138762)	N/A
Chr2	70202291	70202526	Chr2.75521	Sp5(-272514),Myo3b(+163283)	N/A
Chr2	70210900	70211009	Chr2.75532	Sp5(-263968),Myo3b(+171829)	N/A
Chr2	70755283	70755442	Chr2.7563	Prkcg(-417019),Sfmb2(+382913)	N/A
Chr2	70317884	70318049	Chr2.75680	Sp5(-156956),Myo3b(+278841)	N/A
Chr2	70318112	70318212	Chr2.75681	Sp5(-156761),Myo3b(+279036)	N/A
Chr2	70318365	70318527	Chr2.75683	Sp5(-156477),Myo3b(+279302)	N/A
Chr2	70333656	70333845	Chr2.75709	Sp5(-141172),Myo3b(+294625)	N/A
Chr2	70337253	70337677	Chr2.75719	Sp5(-137458),Myo3b(+298339)	N/A
Chr2	70349044	70349515	Chr2.75737	Sp5(-125643),Myo3b(+310154)	N/A
Chr2	70367751	70367908	Chr2.75761	Sp5(-107063),Myo3b(+328704)	N/A
Chr2	70369255	70369359	Chr2.75784	Sp5(-105616),Myo3b(+330181)	N/A

Chr2	70379721	70379855	Chr2.75775	Sp5(-95135),Myo3b(+340662)	N/A
Chr2	70386602	70388736	Chr2.75790	Sp5(-86254),Myo3b(+349543)	N/A
Chr2	70395959	70399747	Chr2.75810	Sp5(-75265),Myo3b(+360532)	N/A
Chr2	70443161	70443285	Chr2.75862	Sp5(-31700),Myo3b(+404997)	N/A
Chr2	70453265	70453401	Chr2.75884	Sp5(-21590),Myo3b(+414207)	N/A
Chr2	70472303	70472506	Chr2.75895	Sp5(-2518)	N/A
Chr2	70474861	70475120	Chr2.75902	Sp5(+68)	N/A
Chr2	70509597	70506263	Chr2.75938	Erich2(-2709)	N/A
Chr2	70561966	70562096	Chr2.75989	Gad1(+11)	N/A
Chr2	70633300	70634329	Chr2.75996	Gorasp2(-98211),Gad1(+1323)	N/A
Chr2	10825307	10825428	Chr2.7600	Prkcc(-347014),Slmbt2(+452918)	N/A
Chr2	70568181	70568316	Chr2.76015	Gorasp2(-93327),Gad1(+6207)	N/A
Chr2	70629808	70629915	Chr2.76132	Gorasp2(-31714),Gad1(+67820)	N/A
Chr2	70643290	70643560	Chr2.76137	Gorasp2(-18151),Gad1(+81383)	N/A
Chr2	70713292	70713408	Chr2.76212	Gorasp2(+51774),Ttk1(+112378)	N/A
Chr2	70824002	70824209	Chr2.76283	Ttk1(+1622),Gorasp2(-162530)	N/A
Chr2	70824509	70824696	Chr2.76284	Ttk1(+1125),Gorasp2(+163027)	N/A
Chr2	70901276	70901445	Chr2.76345	Ttk1(-75633),Mettl8(+154222)	N/A
Chr2	70901545	70901723	Chr2.76348	Ttk1(-75906),Mettl8(+153949)	N/A
Chr2	70923545	70923744	Chr2.76366	Ttk1(-97917),Mettl8(+131938)	N/A
Chr2	70935412	70935573	Chr2.76371	Ttk1(-109765),Mettl8(+120090)	N/A
Chr2	70936042	70936391	Chr2.76377	Ttk1(-110489),Mettl8(+119366)	N/A
Chr2	70956847	70957102	Chr2.76389	Ttk1(-131247),Mettl8(+98608)	N/A
Chr2	70989797	70990095	Chr2.76479	Ttk1(-164218),Mettl8(+65637)	N/A
Chr2	10861119	10861329	Chr2.7649	Prkcc(-311158),Slmbt2(+488774)	N/A
Chr2	71020963	71026565	Chr2.76521	Ttk1(-200598),Mettl8(-29259)	N/A
Chr2	71039535	71039960	Chr2.76537	Ttk1(-214170),Mettl8(+15665)	N/A
Chr2	71054485	71054673	Chr2.76539	Dcaf17(-1165),Mettl8(+1004)	N/A
Chr2	71127830	71127939	Chr2.76603	Dync1i2(-83821),Cybrd1(+9962)	N/A
Chr2	71168592	71168858	Chr2.76648	Dync1i2(-42981),Cybrd1(+50802)	N/A
Chr2	7177041	71177226	Chr2.76854	Dync1i2(-34872),Cybrd1(+59211)	N/A
Chr2	71191306	71191601	Chr2.76875	Dync1i2(-20252),Cybrd1(+73531)	N/A
Chr2	71191722	71192304	Chr2.76880	Dync1i2(-19693),Cybrd1(+74090)	N/A
Chr2	71245415	71245621	Chr2.76771	Dync1i2(+33812),Slc25a12(+122231)	N/A
Chr2	71274631	71274742	Chr2.76847	Dync1i2(+62981),Slc25a12(+93062)	N/A
Chr2	71274776	71274999	Chr2.76851	Dync1i2(+63180),Slc25a12(+92863)	N/A
Chr2	71277435	71277578	Chr2.76870	Dync1i2(+65801),Slc25a12(+90242)	N/A
Chr2	71277739	71277859	Chr2.76873	Dync1i2(+66093),Slc25a12(+89950)	N/A
Chr2	71294564	71295152	Chr2.76921	Slc25a12(+72891),Dync1i2(+83152)	N/A
Chr2	71295768	71296027	Chr2.76927	Slc25a12(+71851),Dync1i2(+84192)	N/A
Chr2	71298307	71298636	Chr2.76937	Slc25a12(+69277),Dync1i2(+86766)	N/A
Chr2	71312100	71312246	Chr2.76954	Slc25a12(+55578),Dync1i2(+100407)	N/A
Chr2	71314149	71314681	Chr2.76960	Slc25a12(+53344),Dync1i2(+102599)	N/A
Chr2	71328267	71328845	Chr2.76991	Slc25a12(+39193),Dync1i2(+116850)	N/A
Chr2	71349661	71350079	Chr2.77026	Slc25a12(+17879),Dync1i2(+138164)	N/A
Chr2	71353920	71354053	Chr2.77037	Slc25a12(+13762),Dync1i2(+142281)	N/A
Chr2	71366867	71366974	Chr2.77050	Slc25a12(+828)	N/A
Chr2	71367466	71367594	Chr2.77057	Slc25a12(+219)	N/A
Chr2	71389176	71389423	Chr2.77067	Hat1(+40)	N/A
Chr2	10978895	10979029	Chr2.7707	Prkcc(-193420),Slmbt2(+606512)	N/A
Chr2	71445777	71446019	Chr2.77117	Metap1d(-7378),Hat1(+56638)	N/A
Chr2	71453034	71453159	Chr2.77130	Metap1d(-179)	N/A
Chr2	71460985	71467143	Chr2.77137	Dlx1(-61049),Metap1d(+13788)	N/A
Chr2	71467174	71467301	Chr2.77141	Dlx1(-60875),Metap1d(+13963)	N/A
Chr2	71473671	71474015	Chr2.77145	Dlx1(-54270),Metap1d(+20567)	N/A
Chr2	71474178	71474635	Chr2.77151	Dlx1(-53706),Metap1d(+21131)	N/A
Chr2	71474671	71474856	Chr2.77160	Dlx1(-53349),Metap1d(+21488)	N/A
Chr2	71475009	71475151	Chr2.77162	Dlx1(-53033),Metap1d(+21804)	N/A
Chr2	71483086	71484071	Chr2.77171	Dlx1(-44284),Metap1d(+30553)	N/A
Chr2	71493408	71493696	Chr2.77179	Dlx1(-34561),Metap1d(+60276)	N/A
Chr2	71497343	71497877	Chr2.77194	Dlx1(-30503),Metap1d(+44334)	N/A
Chr2	71498560	71498677	Chr2.77203	Dlx1(-29494),Metap1d(+45343)	N/A
Chr2	71499067	71499208	Chr2.77208	Dlx1(-28975),Metap1d(+45862)	N/A
Chr2	71499243	71499603	Chr2.77210	Dlx1(-28690),Metap1d(+46147)	N/A
Chr2	71499727	71500380	Chr2.77212	Dlx1(-28209),Metap1d(+46628)	N/A
Chr2	11005121	11005224	Chr2.7722	Prkcc(-167209),Slmbt2(+632723)	N/A
Chr2	71501179	71501322	Chr2.77227	Dlx1(-26862),Metap1d(+47975)	N/A
Chr2	71512117	71512841	Chr2.77260	Dlx1(-15634),Metap1d(+59203)	N/A
Chr2	71515158	71515302	Chr2.77274	Dlx1(-12883),Metap1d(+61954)	N/A
Chr2	71520545	71520670	Chr2.77295	Dlx1(-7503),Metap1d(+67332)	N/A
Chr2	71522906	71523091	Chr2.77308	Dlx1(-5114),Metap1d(+69723)	N/A
Chr2	71528040	71528527	Chr2.77334	Dlx1(+171)	N/A
Chr2	71530551	71530768	Chr2.77342	Dlx1(+2547),Dlx2(+16094)	N/A
Chr2	71533633	71533736	Chr2.77363	Dlx1(+5572),Dlx2(+13069)	N/A
Chr2	71533774	71534004	Chr2.77364	Dlx1(+5776),Dlx2(+12865)	N/A
Chr2	71535012	71535149	Chr2.77367	Dlx1(+6968),Dlx2(+11673)	N/A
Chr2	71537428	71537678	Chr2.77376	Dlx2(+9201),Dlx1(+9440)	N/A
Chr2	71540506	71540638	Chr2.77384	Dlx2(+6182),Dlx1(+12459)	N/A
Chr2	71541420	71541707	Chr2.77389	Dlx2(+5190),Dlx1(+13451)	N/A
Chr2	71543407	71543512	Chr2.77394	Dlx2(+3294),Dlx1(+15347)	N/A
Chr2	71543627	71543886	Chr2.77395	Dlx2(+2998),Dlx1(+15645)	N/A
Chr2	71573930	71574030	Chr2.77447	Platr26(-145437),Dlx2(-27226)	N/A
Chr2	71594704	71594844	Chr2.77463	Platr26(-124643),Dlx2(-48020)	N/A
Chr2	71607836	71607984	Chr2.77474	Platr26(-111507),Dlx2(-61156)	N/A
Chr2	71608245	71608488	Chr2.77477	Platr26(-111050),Dlx2(-61613)	N/A
Chr2	71612460	71612737	Chr2.77490	Platr26(-106818),Dlx2(-65845)	N/A
Chr2	71622984	71623096	Chr2.77500	Platr26(-96377),Dlx2(-76289)	N/A
Chr2	71628871	71629025	Chr2.77521	Platr26(-90469),Dlx2(-82194)	N/A
Chr2	71629633	71629868	Chr2.77525	Platr26(-89666),Dlx2(-82997)	N/A
Chr2	71652126	71652227	Chr2.77558	Dlx2(-105423),Platr26(-67240)	N/A
Chr2	71662599	71662746	Chr2.77572	Dlx2(-115919),Platr26(-56744)	N/A
Chr2	71673207	71673376	Chr2.77583	Dlx2(-126538),Platr26(-46125)	N/A
Chr2	71683453	71683569	Chr2.77592	Dlx2(-136757),Platr26(-35996)	N/A
Chr2	71690707	71690880	Chr2.77601	Dlx2(-144040),Platr26(-28623)	N/A
Chr2	71695068	71695300	Chr2.77608	Dlx2(-148430),Platr26(-24233)	N/A
Chr2	71719715	71719860	Chr2.77624	Platr26(+371)	N/A
Chr2	71732002	71732112	Chr2.77634	Ilg6(-54921),Platr26(+12640)	N/A
Chr2	71739830	71739958	Chr2.77650	Ilg6(-47084),Platr26(+20477)	N/A
Chr2	71744018	71745066	Chr2.77659	Ilg6(-41986),Platr26(+25575)	N/A
Chr2	71745246	71745395	Chr2.77661	Ilg6(-41657),Platr26(+25904)	N/A
Chr2	71749422	71749747	Chr2.77667	Ilg6(-37393),Platr26(+30168)	N/A
Chr2	71750056	71750345	Chr2.77675	Ilg6(-36777),Platr26(+30784)	N/A
Chr2	71759206	71759325	Chr2.77695	Ilg6(-27712),Platr26(+39849)	N/A
Chr2	71774615	71774907	Chr2.77721	Ilg6(-12217),Platr26(+53344)	N/A
Chr2	71775326	71775546	Chr2.77726	Ilg6(-11542),Platr26(+56019)	N/A
Chr2	71779649	71779774	Chr2.77731	Ilg6(-7266),Platr26(+60295)	N/A
Chr2	71834252	71834374	Chr2.77833	Pdk1(-38911),Ilg6(+47335)	N/A
Chr2	71835943	71836088	Chr2.77835	Pdk1(-37208),Ilg6(+49038)	N/A
Chr2	71854018	71854120	Chr2.77891	Pdk1(-19155),Ilg6(+67091)	N/A
Chr2	71908866	71909086	Chr2.77982	Rapgef4(-314)	N/A
Chr2	72005144	72005338	Chr2.78002	Map3k20(-280396),Rapgef4(+24001)	N/A
Chr2	72045663	72045850	Chr2.78043	Map3k20(-239880),Rapgef4(+64517)	N/A
Chr2	72054444	72054626	Chr2.78059	Map3k20(-231102),Rapgef4(+73295)	N/A
Chr2	72055997	72056206	Chr2.78066	Map3k20(-230485),Rapgef4(+73912)	N/A
Chr2	72056394	72056573	Chr2.78073	Map3k20(-229153),Rapgef4(+75344)	N/A
Chr2	72022776	72022584	Chr2.78125	Map3k20(-193207),Rapgef4(+111190)	N/A
Chr2	72093464	72093621	Chr2.78135	Map3k20(-192094),Rapgef4(+112303)	N/A
Chr2	72093936	72094312	Chr2.78141	Map3k20(-191513),Rapgef4(+112884)	N/A
Chr2	72116732	72116904	Chr2.78182	Map3k20(-168819),Rapgef4(+135578)	N/A
Chr2	72118818	72118964	Chr2.78190	Map3k20(-166746),Rapgef4(+137651)	N/A
Chr2	72169115	72169250	Chr2.78238	Map3k20(-16454),Rapgef4(+187943)	N/A
Chr2	72169491	72169645	Chr2.78290	Map3k20(-116069),Rapgef4(+188328)	N/A
Chr2	72221568	72221846	Chr2.78400	Map3k20(-63930),Rapgef4(+240467)	N/A
Chr2	72235190	72235587	Chr2.78435	Map3k20(-50248),Rapgef4(+254149)	N/A
Chr2	72239197	72239306	Chr2.78445	Map3k20(-46385),Rapgef4(+258012)	N/A
Chr2	72240358	72240214	Chr2.78453	Map3k20(-45501),Rapgef4(+258960)	N/A
Chr2	72242541	72242806	Chr2.78465	Map3k20(-42963),Rapgef4(+261434)	N/A
Chr2	72242842	72243154	Chr2.78468	Map3k20(-42639),Rapgef4(+261758)	N/A
Chr2	72245628	72245924	Chr2.78479	Map3k20(-39861),Rapgef4(+264536)	N/A
Chr2	72254671	72254917	Chr2.78494	Map3k20(-30843),Rapgef4(+273554)	N/A
Chr2	72260087	72260229	Chr2.78513	Map3k20(-25479),Rapgef4(+278918)	N/A
Chr2	72287181	72287422	Chr2.78528	Cdca7(-18657),Map3k20(+1665)	N/A
Chr2	72297565	72297672	Chr2.78546	Cdca7(-178540),Map3k20(+11982)	N/A
Chr2	72298481	72298628	Chr2.78557	Cdca7(-177604),Map3k20(+12918)	N/A
Chr2	72326725	72326874	Chr2.78580	Cdca7(-149359),Map3k20(+1163)	N/A
Chr2	72375880	72376012	Chr2.78639	Cdca7(-100213),Map3k20(+90309)	N/A
Chr2	72402546	72402677	Chr2.78700	Cdca7(-73547),Map3k20(+116975)	N/A
Chr2	72407023	72407545	Chr2.78708	Cdca7(-68675),Map3k20(+121647)	N/A

Chr2	72407707	72407812	Chr2.78715	Cdca7(-68399),Map3k20(+122123)	N/A
Chr2	72478346	72478517	Chr2.78838	Cdca7(+2273),Sp3(+502014)	N/A
Chr2	72478886	72478723	Chr2.78841	Cdca7(+3148),Sp3(+501141)	N/A
Chr2	72499071	72499247	Chr2.78881	Cdca7(+23000),Sp3(+481287)	N/A
Chr2	72500353	72500532	Chr2.78888	Cdca7(+24284),Sp3(+480003)	N/A
Chr2	72503408	72504449	Chr2.78889	Cdca7(+27770),Sp3(+476517)	N/A
Chr2	72508137	72508607	Chr2.78908	Cdca7(+32213),Sp3(+427074)	N/A
Chr2	72529621	72529794	Chr2.78946	Cdca7(+53549),Sp3(+450738)	N/A
Chr2	72551823	72551930	Chr2.78966	Cdca7(+75718),Sp3(+428569)	N/A
Chr2	72552067	72552176	Chr2.78970	Cdca7(+75943),Sp3(+428324)	N/A
Chr2	72556407	72556783	Chr2.78985	Cdca7(+80436),Sp3(+423851)	N/A
Chr2	72556847	72557010	Chr2.78986	Cdca7(+80770),Sp3(+423517)	N/A
Chr2	72557055	72557210	Chr2.78989	Cdca7(+80974),Sp3(+423313)	N/A
Chr2	72557287	72557391	Chr2.78990	Cdca7(+81180),Sp3(+423107)	N/A
Chr2	72558452	725584824	Chr2.79007	Cdca7(+88579),Sp3(+415708)	N/A
Chr2	72581814	72581965	Chr2.7903	Plkb3(+110185),Prkcz(+219523)	N/A
Chr2	72597645	72597993	Chr2.79078	Cdca7(+121660),Sp3(+382627)	N/A
Chr2	72621559	72621768	Chr2.79102	Cdca7(+145505),Sp3(+358782)	N/A
Chr2	72628601	72629166	Chr2.79107	Cdca7(+152725),Sp3(+351562)	N/A
Chr2	72630265	72630421	Chr2.79114	Cdca7(+154184),Sp3(+350103)	N/A
Chr2	72637755	72637874	Chr2.79125	Cdca7(+161656),Sp3(+342631)	N/A
Chr2	72638254	72638424	Chr2.79129	Cdca7(+162180),Sp3(+342107)	N/A
Chr2	72639138	72639336	Chr2.79135	Cdca7(+163078),Sp3(+341209)	N/A
Chr2	72673309	72673629	Chr2.79175	Cdca7(+197310),Sp3(+306977)	N/A
Chr2	72674188	72674350	Chr2.79181	Cdca7(+198110),Sp3(+306177)	N/A
Chr2	72680861	72681084	Chr2.79205	Cdca7(+214814),Sp3(+289473)	N/A
Chr2	72700816	72701020	Chr2.79215	Cdca7(+224759),Sp3(+279529)	N/A
Chr2	72703425	72703708	Chr2.79227	Cdca7(+227408),Sp3(+276879)	N/A
Chr2	72713938	72714304	Chr2.79241	Cdca7(+237962),Sp3(+266325)	N/A
Chr2	72741089	72741258	Chr2.79273	Sp3(+239272),Cdca7(+265015)	N/A
Chr2	72743796	72743921	Chr2.79275	Sp3(+236587),Cdca7(+267700)	N/A
Chr2	72748203	72748313	Chr2.79282	Sp3(+234188),Cdca7(+270099)	N/A
Chr2	72746471	72746737	Chr2.79284	Sp3(+233842),Cdca7(+270445)	N/A
Chr2	72781798	72782193	Chr2.79317	Sp3(+198450),Cdca7(+305837)	N/A
Chr2	72784574	72784779	Chr2.79321	Sp3(+195769),Cdca7(+308518)	N/A
Chr2	72812854	72813089	Chr2.79370	Sp3(+167474),Cdca7(+336813)	N/A
Chr2	72855846	72855749	Chr2.79416	Sp3(+124748),Cdca7(+379539)	N/A
Chr2	72913412	72913611	Chr2.79460	Sp3(+66934),Cdca7(+437353)	N/A
Chr2	72978548	72978691	Chr2.79518	Sp3(+1826),Cdca7(+502461)	N/A
Chr2	72980561	72980673	Chr2.79524	Sp3(-171)	N/A
Chr2	72980893	72981014	Chr2.79527	Sp3(-508)	N/A
Chr2	73007271	73003014	Chr2.79541	Gm11084(-16152),Ola1(+211579)	N/A
Chr2	73004570	73004774	Chr2.79549	Gm11084(-17856),Ola1(+209775)	N/A
Chr2	73006801	73007125	Chr2.79557	Gm11084(-20247),Ola1(+207494)	N/A
Chr2	73033969	73034096	Chr2.79561	Gm11084(-47318),Ola1(+180413)	N/A
Chr2	73046674	73046896	Chr2.79565	Gm11084(-60069),Ola1(+167662)	N/A
Chr2	73051555	73051871	Chr2.79580	Gm11084(-64997),Ola1(+162734)	N/A
Chr2	73127582	73127965	Chr2.79688	Gm11084(-141058),Ola1(+86673)	N/A
Chr2	73139746	73140209	Chr2.79715	Gm11084(-153262),Ola1(+74469)	N/A
Chr2	73228841	73228977	Chr2.79816	Sp9(-43016),Ola1(-14462)	N/A
Chr2	73264162	73264384	Chr2.79862	Ola1(-49826),Sp9(-7652)	N/A
Chr2	73266419	73266551	Chr2.79874	Ola1(-52038),Sp9(-5440)	N/A
Chr2	73270983	73271218	Chr2.79905	Sp9(-869)	N/A
Chr2	73271783	73271989	Chr2.79913	Sp9(-49)	N/A
Chr2	73274721	73277574	Chr2.79956	Scn3(-35103),Sp9(+5573)	N/A
Chr2	73351621	73351739	Chr2.80094	Cir1(-38978),Gpr155(+34892)	N/A
Chr2	73352009	73352349	Chr2.80100	Cir1(-39478),Gpr155(+34393)	N/A
Chr2	73429834	73429984	Chr2.80204	Gpr155(-43337),Wip1(+99825)	N/A
Chr2	73444143	73444288	Chr2.80269	Gpr155(-57644),Wip1(+85518)	N/A
Chr2	73450089	73450254	Chr2.80362	Gpr155(-63600),Wip1(+79652)	N/A
Chr2	73468633	73468826	Chr2.80302	Gpr155(-82158),Wip1(+61004)	N/A
Chr2	73470002	73470127	Chr2.80304	Gpr155(-83493),Wip1(+59669)	N/A
Chr2	73486057	73486203	Chr2.80316	Gpr155(-99558),Wip1(+43604)	N/A
Chr2	73486372	73486537	Chr2.80320	Gpr155(-99883),Wip1(+43279)	N/A
Chr2	73509409	73509572	Chr2.80347	Gpr155(-122919),Wip1(+42043)	N/A
Chr2	73519020	73519281	Chr2.80351	Gpr155(-132579),Wip1(+10583)	N/A
Chr2	73519483	73519639	Chr2.80356	Gpr155(-132989),Wip1(+10173)	N/A
Chr2	73572735	73572857	Chr2.80388	Wip1(-43062),Chma1(+7542)	N/A
Chr2	73573053	73573161	Chr2.80393	Wip1(-43373),Chma1(+7231)	N/A
Chr2	73579375	73579478	Chr2.80408	Chma1(+911)	N/A
Chr2	73586797	73587023	Chr2.80439	Chma1(-16572),Chn1(+178436)	N/A
Chr2	73638176	73638307	Chr2.80483	Chma1(-57904),Chn1(+137104)	N/A
Chr2	73659138	73659331	Chr2.80496	Chma1(-78897),Chn1(+116111)	N/A
Chr2	73659985	73660509	Chr2.80502	Chma1(-79909),Chn1(+115099)	N/A
Chr2	73682938	73683063	Chr2.80529	Chma1(-102663),Chn1(+92345)	N/A
Chr2	73734787	73734947	Chr2.80572	Chma1(-154529),Chn1(+40479)	N/A
Chr2	73746334	73747458	Chr2.80593	Chn1(-650)	N/A
Chr2	73776388	73776487	Chr2.80601	Chn1(-1092)	N/A
Chr2	73779856	73780180	Chr2.80619	Chn1(-4672)	N/A
Chr2	73892556	73892657	Chr2.80687	Atf2(+7)	N/A
Chr2	73892696	73892656	Chr2.80688	Atf2(-162)	N/A
Chr2	73891947	73892062	Chr2.80634	Atp5g3(-40630),Lnpk(+586993)	N/A
Chr2	74015339	74015474	Chr2.80887	Atp5g3(-104082),Lnpk(+563541)	N/A
Chr2	74027482	74027716	Chr2.80920	Atp5g3(-116274),Lnpk(+551349)	N/A
Chr2	74039737	74039913	Chr2.80945	Atp5g3(-128500),Lnpk(+539123)	N/A
Chr2	74063807	74064055	Chr2.80963	Atp5g3(-152606),Lnpk(+155077)	N/A
Chr2	74119240	74119510	Chr2.81059	Atp5g3(-208060),Lnpk(+495973)	N/A
Chr2	74119604	74119884	Chr2.81061	Atp5g3(-208419),Lnpk(+459204)	N/A
Chr2	74119918	74120288	Chr2.81063	Atp5g3(-208778),Lnpk(+458845)	N/A
Chr2	74128999	74129619	Chr2.81079	Atp5g3(-217984),Lnpk(+449639)	N/A
Chr2	74129930	74130055	Chr2.81084	Atp5g3(-218668),Lnpk(+448955)	N/A
Chr2	74152882	74153077	Chr2.81132	Atp5g3(-241653),Lnpk(+429968)	N/A
Chr2	74161577	74161783	Chr2.81147	Atp5g3(-250355),Lnpk(+417248)	N/A
Chr2	74201855	74202221	Chr2.81209	Atp5g3(-290713),Lnpk(+376910)	N/A
Chr2	74202945	74203056	Chr2.81213	Atp5g3(-291676),Lnpk(+375947)	N/A
Chr2	74207625	74207784	Chr2.81234	Atp5g3(-296380),Lnpk(+371243)	N/A
Chr2	74210085	74210490	Chr2.81245	Atp5g3(-298963),Lnpk(+368860)	N/A
Chr2	74218271	74218524	Chr2.81280	Atp5g3(-307073),Lnpk(+360556)	N/A
Chr2	74218715	74218833	Chr2.81285	Atp5g3(-307449),Lnpk(+360174)	N/A
Chr2	74239655	74240216	Chr2.81323	Atp5g3(-328611),Lnpk(+339012)	N/A
Chr2	74243746	74244115	Chr2.81341	Atp5g3(-332606),Lnpk(+335017)	N/A
Chr2	74244146	74244246	Chr2.81343	Atp5g3(-332871),Lnpk(+334752)	N/A
Chr2	74244367	74244473	Chr2.81346	Atp5g3(-333099),Lnpk(+334528)	N/A
Chr2	74297719	74297984	Chr2.81453	Atp5g3(-386517),Lnpk(+281106)	N/A
Chr2	74300504	74300666	Chr2.81482	Atp5g3(-389260),Lnpk(+278363)	N/A
Chr2	74354974	74355083	Chr2.81542	Atp5g3(-443704),Lnpk(+223919)	N/A
Chr2	74404844	74405085	Chr2.81608	Atp5g3(-493640),Lnpk(+173983)	N/A
Chr2	74426805	74427417	Chr2.81650	Atp5g3(-515786),Lnpk(+151837)	N/A
Chr2	74451532	74451901	Chr2.81682	Atp5g3(-540392),Hoxd10(-238373),Hoxd11(-236282),Hoxd12(-223212),Hoxd13(-216689),Lnpk(+127231),Evx2(+207702)	N/A
Chr2	74452139	74452253	Chr2.81689	Atp5g3(-540876),Hoxd10(-238901),Hoxd11(-229680),Hoxd12(-222730),Hoxd13(-216111),Lnpk(+126749),Evx2(+207220)	N/A
Chr2	74452318	74452418	Chr2.81692	Atp5g3(-541043),Hoxd10(-238722),Hoxd11(-229631),Hoxd12(-222561),Hoxd13(-215942),Lnpk(+126580),Evx2(+207051)	N/A
Chr2	74491460	74491572	Chr2.81760	Atp5g3(-580191),Hoxd10(-199574),Hoxd11(-190483),Hoxd12(-183413),Hoxd13(-176794),Lnpk(+874320),Evx2(+167903)	N/A
Chr2	74516358	74516515	Chr2.81799	Atp5g3(-605112),Hoxd10(-174653),Hoxd11(-165562),Hoxd12(-158492),Hoxd13(-151873),Lnpk(+62511),Evx2(+142982)	N/A
Chr2	74619640	74620170	Chr2.81910	Hoxd10(-71185),Hoxd11(-62094),Hoxd12(-55024),Hoxd13(-48405),Lnpk(-40957),Evx2(+39514)	N/A
Chr2	74680111	74680141	Chr2.82094	Hoxd10(-11014),Hoxd11(-1923),Hoxd13(+11766)	N/A
Chr2	74682130	74682281	Chr2.82107	Hoxd10(-8894),Hoxd11(+207),Hoxd13(+13898)	N/A
Chr2	74704874	74704982	Chr2.82278	Hoxd8(+23),Hoxd13(+36618)	N/A
Chr2	74711751	74711895	Chr2.82327	Hoxd3(-14905),Hoxd8(+6918),Hoxd13(+43513)	N/A
Chr2	74714500	74714615	Chr2.82339	Hoxd3(-12170),Hoxd8(+9653),Hoxd13(+46248)	N/A
Chr2	74730980	74731204	Chr2.82424	Hoxd1(-31888),Hoxd3(+4364),Hoxd13(+62782)	N/A
Chr2	74732435	74732711	Chr2.82433	Hoxd1(-30407),Hoxd3(+5845),Hoxd13(+64263)	N/A
Chr2	74732786	74732995	Chr2.82436	Hoxd1(-30089),Hoxd3(+6163),Hoxd13(+64581)	N/A
Chr2	74733037	74733221	Chr2.82437	Hoxd1(-29851),Hoxd3(+6401),Hoxd13(+64819)	N/A
Chr2	74733450	74733676	Chr2.82438	Hoxd1(-29417),Hoxd3(+6835),Hoxd13(+65263)	N/A
Chr2	74734259	74734418	Chr2.82439	Hoxd1(-28641),Hoxd3(+7811),Hoxd13(+66029)	N/A
Chr2	74734544	74734785	Chr2.82443	Hoxd1(-28315),Hoxd3(+7937),Hoxd13(+66355)	N/A
Chr2	74736154	74736418	Chr2.82448	Hoxd1(-26694),Hoxd3(+9558),Hoxd13(+67970)	N/A
Chr2	74736479	74736937	Chr2.82450	Hoxd1(-26272),Hoxd3(+9980),Hoxd13(+68398)	N/A
Chr2	74737052	74737221	Chr2.82451	Hoxd1(-25843),Hoxd3(+10409),Hoxd13(+68827)	N/A
Chr2	74737741	74737924	Chr2.82455	Hoxd1(-25147),Hoxd3(+11105),Hoxd13(+69523)	N/A
Chr2	74738697	74738842	Chr2.82460	Hoxd1(-24160),Hoxd3(+12092),Hoxd13(+70510)	N/A
Chr2	74739865	74739990	Chr2.82471	Hoxd1(-23052),Hoxd3(+12000),Hoxd13(+71518)	N/A
Chr2	74740666	74740962	Chr2.82473	Hoxd1(-22166),Hoxd3(+14098),Hoxd13(+72504)	N/A
Chr2	74748465	74748590	Chr2.82524	Hoxd1(-14452),Hoxd3(+21800),Hoxd13(+80218)	N/A
Chr2	74748635	74748812	Chr2.82525	Hoxd1(-14256),Hoxd3(+21996),Hoxd13(+80414)	N/A
Chr2	74749018	74749426	Chr2.82529	Hoxd1(-13758),Hoxd3(+22494),Hoxd13(+80912)	N/A
Chr2	74749733	74749882	Chr2.82531	Hoxd1(-13172),Hoxd3(-23089),Hoxd13(+81498)	N/A
Chr2	74753163	74753271	Chr2.82545	Hoxd1(-9763),Hoxd3(-26489),Hoxd13(+84907)	N/A

Chr2	12033798	12033833	Chr2.8259	Ankrd16(+255375),Ilgab8(+268054)	N/A
Chr2	12034114	12034326	Chr2.8263	Ankrd16(+255729),Ilgab8(+267700)	N/A
Chr2	12034494	12034628	Chr2.8267	Ankrd16(+256070),Ilgab8(+267358)	N/A
Chr2	74865551	74865724	Chr2.82737	Hmnpa3(-793623),Mtx2(+39818)	N/A
Chr2	74900003	74900594	Chr2.82816	Hmnpa3(-758962),Mtx2(+74496)	N/A
Chr2	74907289	74907421	Chr2.82830	Hmnpa3(-751906),Mtx2(+81552)	N/A
Chr2	74907629	74907730	Chr2.82831	Hmnpa3(-751581),Mtx2(+81877)	N/A
Chr2	74918077	74918348	Chr2.82841	Hmnpa3(-741048),Mtx2(+92410)	N/A
Chr2	74926471	74926615	Chr2.82846	Hmnpa3(-732718),Mtx2(+100740)	N/A
Chr2	74929532	74930082	Chr2.82855	Hmnpa3(-729254),Mtx2(+104194)	N/A
Chr2	74930654	74930992	Chr2.82860	Hmnpa3(-728438),Mtx2(+105020)	N/A
Chr2	74959947	74960090	Chr2.82897	Hmnpa3(-699242),Mtx2(+134216)	N/A
Chr2	12060325	12060513	Chr2.8290	Ilgab8(+241501),Ankrd16(+281928)	N/A
Chr2	74964255	74964472	Chr2.82913	Hmnpa3(-694897),Mtx2(+138561)	N/A
Chr2	74965567	74965755	Chr2.82926	Hmnpa3(-683600),Mtx2(+138588)	N/A
Chr2	74970399	74970558	Chr2.82930	Hmnpa3(-688782),Mtx2(+144676)	N/A
Chr2	74970588	74970696	Chr2.82933	Hmnpa3(-688619),Mtx2(+144839)	N/A
Chr2	74971000	74971127	Chr2.82934	Hmnpa3(-688197),Mtx2(+145261)	N/A
Chr2	74974653	74975319	Chr2.82938	Hmnpa3(-684275),Mtx2(+149183)	N/A
Chr2	74983841	74983940	Chr2.82962	Hmnpa3(-665370),Mtx2(+168088)	N/A
Chr2	74995327	74995509	Chr2.82966	Hmnpa3(-663843),Mtx2(+169615)	N/A
Chr2	75000301	75000624	Chr2.82980	Hmnpa3(-658798),Mtx2(+174660)	N/A
Chr2	75001616	75001739	Chr2.82984	Hmnpa3(-657583),Mtx2(+175875)	N/A
Chr2	75011952	75012131	Chr2.83013	Hmnpa3(-647219),Mtx2(+186239)	N/A
Chr2	75021789	75021912	Chr2.83024	Hmnpa3(-637410),Mtx2(+196048)	N/A
Chr2	75022357	75022642	Chr2.83027	Hmnpa3(-636751),Mtx2(+196897)	N/A
Chr2	75027689	75027846	Chr2.83043	Hmnpa3(-631493),Mtx2(+201965)	N/A
Chr2	75029282	75029556	Chr2.83049	Hmnpa3(-629842),Mtx2(+203616)	N/A
Chr2	75029587	75029936	Chr2.83053	Hmnpa3(-629499),Mtx2(+203959)	N/A
Chr2	75072569	75072712	Chr2.83171	Hmnpa3(-586620),Mtx2(+246838)	N/A
Chr2	75073056	75073310	Chr2.83180	Hmnpa3(-586078),Mtx2(+247380)	N/A
Chr2	75074351	75074489	Chr2.83187	Hmnpa3(-584836),Mtx2(+248622)	N/A
Chr2	75087008	75087363	Chr2.83214	Hmnpa3(-572075),Mtx2(+261383)	N/A
Chr2	75090140	75090403	Chr2.83229	Hmnpa3(-568989),Mtx2(+264469)	N/A
Chr2	75090602	75090881	Chr2.83236	Hmnpa3(-568519),Mtx2(+264939)	N/A
Chr2	75098625	75099088	Chr2.83244	Hmnpa3(-560406),Mtx2(+273052)	N/A
Chr2	75114352	75114542	Chr2.83370	Hmnpa3(-544814),Mtx2(+288644)	N/A
Chr2	75138816	75139017	Chr2.83333	Hmnpa3(-520344),Mtx2(-313114)	N/A
Chr2	75142791	75142894	Chr2.83352	Hmnpa3(-516418),Mtx2(+317040)	N/A
Chr2	75171997	75172118	Chr2.83446	Hmnpa3(-487203),Mtx2(+346255)	N/A
Chr2	75183574	75183820	Chr2.83486	Hmnpa3(-475564),Mtx2(+357894)	N/A
Chr2	75208529	75208673	Chr2.83537	Hmnpa3(-450680),Mtx2(+382798)	N/A
Chr2	75209152	75209635	Chr2.83543	Hmnpa3(-444991),Mtx2(+383541)	N/A
Chr2	75209792	75209990	Chr2.83546	Hmnpa3(-449370),Mtx2(+384088)	N/A
Chr2	75220908	75221071	Chr2.83570	Hmnpa3(-438271),Mtx2(+395187)	N/A
Chr2	75221205	75221370	Chr2.83572	Hmnpa3(-437973),Mtx2(+395485)	N/A
Chr2	75224324	75224485	Chr2.83583	Hmnpa3(-434568),Mtx2(+398762)	N/A
Chr2	75244270	75244427	Chr2.83604	Hmnpa3(-414912),Mtx2(+185466)	N/A
Chr2	75244543	75244849	Chr2.83606	Hmnpa3(-414565),Mtx2(+18893)	N/A
Chr2	75245247	75245367	Chr2.83611	Hmnpa3(-413954),Mtx2(+19504)	N/A
Chr2	75245545	75245852	Chr2.83615	Hmnpa3(-413562),Mtx2(+19896)	N/A
Chr2	75264589	75265189	Chr2.83670	Hmnpa3(-394372),Mtx2(+439086)	N/A
Chr2	75265621	75265739	Chr2.83673	Hmnpa3(-393581),Mtx2(+439877)	N/A
Chr2	75375497	75375691	Chr2.83634	Hmnpa3(-383667),Mtx2(+450791)	N/A
Chr2	75385292	75385393	Chr2.83659	Hmnpa3(-273918),Mtx2(+559540)	N/A
Chr2	75406726	75406834	Chr2.83982	Hmnpa3(-252481),Mtx2(+580977)	N/A
Chr2	75425867	75425991	Chr2.84028	Hmnpa3(-233332),Mtx2(+600126)	N/A
Chr2	75470380	75470593	Chr2.84126	Hmnpa3(-188774),Mtx2(+644684)	N/A
Chr2	75473245	75473448	Chr2.84134	Hmnpa3(-185914),Mtx2(+647546)	N/A
Chr2	75481779	75481972	Chr2.84155	Hmnpa3(-173385),Mtx2(+656073)	N/A
Chr2	75491821	75492003	Chr2.84174	Hmnpa3(-167349),Mtx2(+666109)	N/A
Chr2	75492219	75492442	Chr2.84176	Hmnpa3(-166930),Mtx2(+666528)	N/A
Chr2	75538155	75538305	Chr2.84246	Hmnpa3(-121031),Mtx2(+712427)	N/A
Chr2	75542696	75542913	Chr2.84256	Hmnpa3(-116458),Mtx2(+717002)	N/A
Chr2	75585332	75585312	Chr2.84314	Hmnpa3(-74089),Mtx2(+759399)	N/A
Chr2	75592645	75592781	Chr2.84339	Hmnpa3(-66548),Mtx2(+766910)	N/A
Chr2	75603222	75603462	Chr2.84351	Hmnpa3(-55919),Mtx2(+777539)	N/A
Chr2	75603655	75603813	Chr2.84353	Hmnpa3(-55527),Mtx2(+777931)	N/A
Chr2	75605582	75605703	Chr2.84366	Hmnpa3(-53618),Mtx2(+779840)	N/A
Chr2	75608233	75608300	Chr2.84376	Hmnpa3(-50994),Mtx2(+782564)	N/A
Chr2	75650762	75650891	Chr2.84391	Hmnpa3(+566)	N/A
Chr2	75683550	75683721	Chr2.84463	Nfe2l2(+21005),Hmnpa3(+24375)	N/A
Chr2	75685554	75685714	Chr2.84466	Nfe2l2(+19007),Hmnpa3(+26373)	N/A
Chr2	75703340	75703553	Chr2.84475	Nfe2l2(+1194),Hmnpa3(+44186)	N/A
Chr2	75718622	75718689	Chr2.84484	Agps(-115431),Nfe2l2(-12105)	N/A
Chr2	75717458	75717607	Chr2.84523	Agps(-74644),Nfe2l2(-52862)	N/A
Chr2	75772694	75772915	Chr2.84541	Nfe2l2(-68164),Agps(-59372)	N/A
Chr2	75865897	75866229	Chr2.84598	Agps(+33886),Ttc30b(+72399)	N/A
Chr2	75924027	75924239	Chr2.84662	Ttc30b(+14329),Agps(+91956)	N/A
Chr2	75926654	75926766	Chr2.84682	Ttc30b(+11752),Agps(+94533)	N/A
Chr2	75930884	75931152	Chr2.84721	Ttc30b(+7444),Agps(+98841)	N/A
Chr2	75933987	75933991	Chr2.84728	Ttc30b(+4573),Agps(+107112)	N/A
Chr2	75953405	75953515	Chr2.84791	Ttc30b(+14998),Ttc30a2(+24740)	N/A
Chr2	75969597	12209715	Chr2.8480	Ilgab8(+92264),Ankrd16(+431165)	N/A
Chr2	75985920	75985965	Chr2.84813	Ttc30b(-20901),Ttc30a2(+18837)	N/A
Chr2	75989912	75989920	Chr2.84815	Ttc30b(-21604),Ttc30a2(+18134)	N/A
Chr2	75987110	75987297	Chr2.84826	Ttc30b(-28742),Ttc30a2(+10969)	N/A
Chr2	75987498	75987620	Chr2.84831	Ttc30b(-29007),Ttc30a2(+10641)	N/A
Chr2	75974230	75974416	Chr2.84838	Ttc30b(-35861),Ttc30a2(+3877)	N/A
Chr2	12212869	12213166	Chr2.8484	Ilgab8(+88902),Ankrd16(+434527)	N/A
Chr2	75985338	75985635	Chr2.84897	Ttc30a1(-3520)	N/A
Chr2	75986794	75986915	Chr2.84901	Ttc30a1(-3883)	N/A
Chr2	75985998	75986100	Chr2.84905	Ttc30a1(-4082)	N/A
Chr2	75988371	75988746	Chr2.84913	Ttc30a1(-6592),Pde11a(+350215)	N/A
Chr2	12212539	12212641	Chr2.8492	Ilgab8(+80330),Ankrd16(+443099)	N/A
Chr2	75989888	75989136	Chr2.84921	Ttc30a1(-7095),Pde11a(+349712)	N/A
Chr2	76003047	76003257	Chr2.84947	Ttc30a1(-21189),Pde11a(+335622)	N/A
Chr2	76008001	76008409	Chr2.84952	Ttc30a1(-24238),Pde11a(+332699)	N/A
Chr2	76016812	76017064	Chr2.84969	Ttc30a1(-34971),Pde11a(+321839)	N/A
Chr2	12221995	12222133	Chr2.8497	Ilgab8(+79856),Ankrd16(+443573)	N/A
Chr2	76030169	76030286	Chr2.85002	Ttc30a1(-48261),Pde11a(+308546)	N/A
Chr2	76030913	76031253	Chr2.85006	Ttc30a1(-49116),Pde11a(+307691)	N/A
Chr2	76063505	76063655	Chr2.85070	Ttc30a1(-81613),Pde11a(+273194)	N/A
Chr2	76067804	76068103	Chr2.85079	Ttc30a1(-86052),Pde11a(+270755)	N/A
Chr2	76068248	76068520	Chr2.85085	Ttc30a1(-86417),Pde11a(+270390)	N/A
Chr2	76069189	76069576	Chr2.85089	Ttc30a1(-87416),Pde11a(+269391)	N/A
Chr2	76069608	76069816	Chr2.85093	Ttc30a1(-87745),Pde11a(+269062)	N/A
Chr2	76098103	76098233	Chr2.85147	Ttc30a1(-116201),Pde11a(+240606)	N/A
Chr2	76102878	76103042	Chr2.85174	Sestd1(-120993),Pde11a(+235814)	N/A
Chr2	76407342	76407498	Chr2.85488	Osbpl6(+882)	N/A
Chr2	76407542	76407651	Chr2.85488	Osbpl6(+1059),Prkra(+240418)	N/A
Chr2	76437568	76437686	Chr2.85507	Osbpl6(+31089),Prkra(+210388)	N/A
Chr2	12259541	12259666	Chr2.8551	Ilgab8(+42316),Ankrd16(+481113)	N/A
Chr2	12294144	12294316	Chr2.8558	Ilgab8(+7690),Ankrd16(+515739)	N/A
Chr2	12300172	12300411	Chr2.8552	Ilgab8(+628),Ankrd16(+521801)	N/A
Chr2	12316253	12316377	Chr2.8604	Ilgab8(-14395),Mindy3(-103154)	N/A
Chr2	76982331	76982478	Chr2.87813	Ttn(-2223)	N/A
Chr2	76983326	76983458	Chr2.87826	Ttn(-3210)	N/A
Chr2	4152707	4152813	Chr2.879	Frm4a4(-112)	N/A
Chr2	77170379	77170964	Chr2.88140	Ccdc141(-559)	N/A
Chr2	77171408	77171579	Chr2.88148	Ccdc141(-877)	N/A
Chr2	77250049	77250298	Chr2.88248	Ccdc141(-79557),Sestd1(+15594)	N/A
Chr2	77287193	77287361	Chr2.88283	Sestd1(-21509),Zfp385b(+432462)	N/A
Chr2	77316923	77317089	Chr2.88299	Sestd1(-51238),Zfp385b(+402733)	N/A
Chr2	77334388	77334501	Chr2.88335	Sestd1(-68877),Zfp385b(+385294)	N/A
Chr2	77393311	77393435	Chr2.88391	Sestd1(-127605),Zfp385b(+326396)	N/A
Chr2	77454428	77454560	Chr2.88505	Sestd1(-188726),Zfp385b(+265245)	N/A
Chr2	77502573	77502687	Chr2.88611	Sestd1(-236862),Zfp385b(+217109)	N/A
Chr2	77506514	77506799	Chr2.88624	Sestd1(-240889),Zfp385b(+213082)	N/A
Chr2	77519349	77519737	Chr2.88655	Sestd1(-253775),Zfp385b(+200196)	N/A
Chr2	77621406	77621571	Chr2.88810	Sestd1(-355721),Zfp385b(+96250)	N/A
Chr2	77641162	77641459	Chr2.88827	Sestd1(-375543),Zfp385b(+78289)	N/A
Chr2	12209641	12207970	Chr2.88887	Mindy3(-290247),Pterf(-214325)	N/A
Chr2	77702722	77702892	Chr2.88892	Sestd1(-437039),Zfp385b(+16932)	N/A
Chr2	77703013	77703693	Chr2.88896	Sestd1(-437585),Zfp385b(+16386)	N/A
Chr2	77815879	77815991	Chr2.89014	Zfp385b(-96196),Cwc22(+130440)	N/A
Chr2	12716461	12716657	Chr2.8903	Mindy3(-291090),Pterf(-207492)	N/A
Chr2	77863627	77863856	Chr2.89096	Zfp385b(-144003),Cwc22(+82633)	N/A

Chr2	78064593	78064759	Chr2.89302	Ube2e3(-804371),Cwc22(-118301)	N/A
Chr2	78159915	78160336	Chr2.89370	Ube2e3(-708921),Cwc22(-213751)	N/A
Chr2	78236204	78239322	Chr2.89424	Ube2e3(-629784),Cwc22(-292889)	N/A
Chr2	78656757	78657017	Chr2.89825	Cwc22(-710513),Ube2e3(-212160)	N/A
Chr2	78867889	78868021	Chr2.89955	Ube2e3(-1092)	N/A
Chr2	78871325	78871451	Chr2.89967	Irga4(-384112),Ube2e3(+2341)	N/A
Chr2	78872031	78872530	Chr2.89974	Irga4(-383219),Ube2e3(+3234)	N/A
Chr2	78872687	78873004	Chr2.89979	Irga4(-382654),Ube2e3(+3799)	N/A
Chr2	78929635	78930035	Chr2.90016	Irga4(-325515),Ube2e3(+60938)	N/A
Chr2	78959810	78959960	Chr2.90025	Irga4(-294715),Ube2e3(+60738)	N/A
Chr2	78960930	78961465	Chr2.90027	Irga4(-294302),Ube2e3(+92151)	N/A
Chr2	78961788	78961907	Chr2.90029	Irga4(-293652),Ube2e3(+92801)	N/A
Chr2	79010186	79010734	Chr2.90094	Irga4(-245040),Ube2e3(+141413)	N/A
Chr2	79047852	79048152	Chr2.90138	Irga4(-207498),Ube2e3(+178955)	N/A
Chr2	79094601	79094868	Chr2.90185	Irga4(-170765),Ube2e3(+215868)	N/A
Chr2	79087770	79088110	Chr2.90192	Irga4(-167560),Ube2e3(+218893)	N/A
Chr2	79183073	79183205	Chr2.90279	Irga4(-72361),Ube2e3(+314092)	N/A
Chr2	79185863	79186034	Chr2.90288	Irga4(-69551),Ube2e3(+316902)	N/A
Chr2	79202345	79202546	Chr2.90316	Irga4(-53054),Ube2e3(+333399)	N/A
Chr2	79203847	79203831	Chr2.90322	Irga4(-51761),Ube2e3(+334992)	N/A
Chr2	79296860	79297197	Chr2.90444	Irga4(+11539),CerkI(+131862)	N/A
Chr2	79315307	79315454	Chr2.90471	Irga4(+59881),CerkI(+113510)	N/A
Chr2	79369247	79369540	Chr2.90566	CerkI(+59497),Irga4(+113894)	N/A
Chr2	79379135	79379442	Chr2.90572	CerkI(+49602),Irga4(+123789)	N/A
Chr2	79399665	79399891	Chr2.90589	CerkI(+29113),Irga4(+144278)	N/A
Chr2	79414508	79414610	Chr2.90616	CerkI(+4332),Irga4(+159059)	N/A
Chr2	79456553	79457052	Chr2.90696	Neurod1(-202)	N/A
Chr2	79537667	79537820	Chr2.90794	Itpid2(-97608),Neurod1(-80993)	N/A
Chr2	79543574	79543768	Chr2.90810	Itpid2(-91681),Neurod1(-86920)	N/A
Chr2	79543814	79543960	Chr2.90813	Itpid2(-91465),Neurod1(-87136)	N/A
Chr2	79563592	79565655	Chr2.90833	Neurod1(-109723),Itpid2(-68878)	N/A
Chr2	79570627	79571002	Chr2.90838	Neurod1(-114054),Itpid2(-64537)	N/A
Chr2	79589648	79597049	Chr2.90875	Neurod1(-140248),Itpid2(-38353)	N/A
Chr2	79602499	79602599	Chr2.90893	Neurod1(-145798),Itpid2(-32803)	N/A
Chr2	79636495	79636681	Chr2.90939	Ppp1r1c(-71192),Itpid2(+1236)	N/A
Chr2	79638966	79639172	Chr2.90941	Ppp1r1c(-68711),Itpid2(+3717)	N/A
Chr2	79718799	79718967	Chr2.910	Frm4a(+26011),Prpf18(+472303)	N/A
Chr2	79689669	79689874	Chr2.91074	Ppp1r1c(-9053),Itpid2(+63375)	N/A
Chr2	79714895	79715061	Chr2.91100	Ppp1r1c(+71198),Pde1a(+413961)	N/A
Chr2	79760424	79760545	Chr2.91137	Ppp1r1c(+52705),Pde1a(+368454)	N/A
Chr2	79763183	79763473	Chr2.91145	Ppp1r1c(+55548),Pde1a(+365611)	N/A
Chr2	79785961	79785970	Chr2.91172	Ppp1r1c(+78136),Pde1a(+343029)	N/A
Chr2	79815761	79815880	Chr2.91203	Ppp1r1c(+108046),Pde1a(+313113)	N/A
Chr2	79919500	79919708	Chr2.91200	Pde1a(+208335),Ppp1r1c(+211824)	N/A
Chr2	79977313	79977464	Chr2.91325	Pde1a(+151550),Ppp1r1c(+269609)	N/A
Chr2	80038451	80038997	Chr2.91380	Pde1a(+90215),Ppp1r1c(+330944)	N/A
Chr2	80039082	80039298	Chr2.91387	Pde1a(+89749),Ppp1r1c(+331410)	N/A
Chr2	80054089	80054270	Chr2.91398	Ppp1r1c(+74759),Ppp1r1c(+346400)	N/A
Chr2	80054504	80054623	Chr2.91402	Pde1a(+74375),Ppp1r1c(+346784)	N/A
Chr2	80126634	80126882	Chr2.91441	Pde1a(+2181),Ppp1r1c(+418978)	N/A
Chr2	80129050	80129392	Chr2.91455	Pde1a(-282)	N/A
Chr2	80129483	80129660	Chr2.91460	Pde1a(-633)	N/A
Chr2	80387886	80388056	Chr2.91602	Frzb(+59653),Dnajc10(+72506)	N/A
Chr2	80398814	80397008	Chr2.91605	Frzb(+50715),Dnajc10(+81448)	N/A
Chr2	80398594	80399137	Chr2.91612	Frzb(+48759),Dnajc10(+83400)	N/A
Chr2	80404917	80405096	Chr2.91631	Frzb(+42617),Dnajc10(+89542)	N/A
Chr2	80405544	80406734	Chr2.91632	Frzb(+40986),Dnajc10(+91173)	N/A
Chr2	80410270	80410401	Chr2.91634	Frzb(+37289),Dnajc10(+94870)	N/A
Chr2	80412707	80412939	Chr2.91644	Frzb(+34802),Dnajc10(+97357)	N/A
Chr2	80444525	80444677	Chr2.91682	Frzb(+3024),Dnajc10(+129135)	N/A
Chr2	80448369	80448487	Chr2.91697	Frzb(-803)	N/A
Chr2	80580362	80580474	Chr2.91792	Nckap1(+846)	N/A
Chr2	80594700	80594891	Chr2.91801	Dusp19(-22249),Nckap1(-13532)	N/A
Chr2	80731298	80731654	Chr2.91888	Nup35(+92660)	N/A
Chr2	80731736	80731904	Chr2.91890	Nup35(+9304)	N/A
Chr2	80752346	80752763	Chr2.91914	Nup35(+113739)	N/A
Chr2	80763388	80763500	Chr2.91937	Nup35(+124628)	N/A
Chr2	81431365	81431495	Chr2.92438	Zfp804a(-621792),Nup35(+792614)	N/A
Chr2	81704141	81704289	Chr2.92549	Zfp804a(-349007)	N/A
Chr2	82037799	82037907	Chr2.92622	Zfp804a(-15374)	N/A
Chr2	83130575	83131172	Chr2.93343	Zc3h15(-515861),Fasp2(+187240)	N/A
Chr2	83131201	83131302	Chr2.93345	Zc3h15(-513183),Fasp2(+187618)	N/A
Chr2	83131364	83131611	Chr2.93347	Zc3h15(-512947),Fasp2(+187854)	N/A
Chr2	83682501	83682601	Chr2.93576	Irgav(-41846),Zc3h15(+38116)	N/A
Chr2	83714892	83715059	Chr2.93583	Irgav(-9421),Zc3h15(+70541)	N/A
Chr2	83740531	83740548	Chr2.93610	Fam171b(-72046),Irgav(+16193)	N/A
Chr2	83994143	83994251	Chr2.93851	Gm13691(+3644),CalcrI(+431214)	N/A
Chr2	84019912	84020327	Chr2.93862	Gm13691(+29567),CalcrI(+405291)	N/A
Chr2	84173407	84173697	Chr2.93910	Gm13691(+182999),CalcrI(+251859)	N/A
Chr2	84184742	84184867	Chr2.93920	Gm13691(+194252),CalcrI(+240606)	N/A
Chr2	84184908	84185191	Chr2.93922	Gm13691(+194497),CalcrI(+240361)	N/A
Chr2	84186555	84186544	Chr2.93926	Gm13691(+128697),CalcrI(+238961)	N/A
Chr2	84230050	84230222	Chr2.93934	CalcrI(+195279),Gm13691(+239583)	N/A
Chr2	13084274	13084488	Chr2.9397	C1q3(-72634),Rsu1(-187050)	N/A
Chr2	84295242	84295375	Chr2.93973	CalcrI(+130102),Gm13691(+304756)	N/A
Chr2	84302411	84302637	Chr2.93987	CalcrI(+126377),Gm13691(+311921)	N/A
Chr2	84360017	84360194	Chr2.94043	CalcrI(+65305),Gm13691(+386553)	N/A
Chr2	84386853	84387039	Chr2.94071	CalcrI(+38465),Gm13691(+396393)	N/A
Chr2	84425053	84425583	Chr2.94099	CalcrI(+93)	N/A
Chr2	84557100	84557374	Chr2.94147	Ttpi(-81957),Ctnnd1(+93439)	N/A
Chr2	84618885	84618998	Chr2.94235	Ttpi(-143662),Ctnnd1(+31734)	N/A
Chr2	84622143	84622263	Chr2.94255	Ttpi(-146923),Ctnnd1(+28473)	N/A
Chr2	84622868	84622991	Chr2.94259	Ttpi(-147650),Ctnnd1(+27746)	N/A
Chr2	84623547	84623722	Chr2.94261	Ttpi(-148355),Ctnnd1(+27041)	N/A
Chr2	84626011	84626192	Chr2.94272	Ttpi(-150822),Ctnnd1(+24574)	N/A
Chr2	84634964	84635217	Chr2.94284	Ttpi(-159811),Ctnnd1(+15585)	N/A
Chr2	84635592	84636034	Chr2.94288	Ttpi(-160533),Ctnnd1(+14863)	N/A
Chr2	84637879	84638134	Chr2.94301	Ttpi(-162777),Ctnnd1(+12619)	N/A
Chr2	84638582	84638731	Chr2.94303	Ttpi(-163377),Ctnnd1(+12019)	N/A
Chr2	84648495	84648635	Chr2.94319	Ttpi(-173285),Ctnnd1(+2111)	N/A
Chr2	84650430	84650532	Chr2.94327	Ctnnd1(+195)	N/A
Chr2	84650656	84650820	Chr2.94329	Ctnnd1(-62)	N/A
Chr2	84669283	84669404	Chr2.94377	Ctnnd1(-18668),Selenoh(+1426)	N/A
Chr2	84670238	84670392	Chr2.94384	Selenoh(+455)	N/A
Chr2	84685521	84685721	Chr2.94443	Tmx2(-9793),Zdhhc5(+26559)	N/A
Chr2	84704518	84704690	Chr2.94491	Tmx2(-25776),Zdhhc5(+10576)	N/A
Chr2	84705310	84705468	Chr2.94494	Tmx2(-26561),Zdhhc5(+9791)	N/A
Chr2	84715166	84715326	Chr2.94533	Zdhhc5(-66)	N/A
Chr2	84733895	84734115	Chr2.94567	Ypel4(-3)	N/A
Chr2	84736949	84736786	Chr2.94577	Ypel4(+2660),Serping1(+36866)	N/A
Chr2	84738504	84738677	Chr2.94595	Ypel4(+4533),Serping1(+36813)	N/A
Chr2	84741078	84741193	Chr2.94600	Ypel4(+7078),Serping1(+34268)	N/A
Chr2	84742784	84742888	Chr2.94605	Ypel4(+8778),Serping1(+32568)	N/A
Chr2	84882760	84882882	Chr2.94689	Rtn4r2(+3871),Slc43a1(+43413)	N/A
Chr2	84883887	84883797	Chr2.94691	Rtn4r2(-2950),Slc43a1(+44334)	N/A
Chr2	84889079	84889289	Chr2.94900	Rtn4r2(-2492)	N/A
Chr2	85011742	85011891	Chr2.95029	Prg3(+23602),P2rx3(+23670)	N/A
Chr2	85011922	85012070	Chr2.95033	P2rx3(+23491),Prg3(+23781)	N/A
Chr2	85012753	85012855	Chr2.95037	P2rx3(+22683),Prg3(+24589)	N/A
Chr2	85035552	85035651	Chr2.95094	Serp1(-1642),P2rx3(-105)	N/A
Chr2	85047796	85047898	Chr2.95175	Trks1bp1(-2613)	N/A
Chr2	85050060	85050331	Chr2.95179	Trks1bp1(-264)	N/A
Chr2	85163847	85164020	Chr2.95346	Aplnr(+27574),Lrrc55(+32765)	N/A
Chr2	4232888	4232888	Chr2.954	Fmrd4a(+80056),Prpf18(+419158)	N/A
Chr2	85252376	85252682	Chr2.95469	Lrrc55(-55830),Olf997(+86786)	N/A
Chr2	13358758	13358916	Chr2.9976	Rsu1(-87406),Cubn(+133987)	N/A
Chr3	121329937	121330045	Chr3.100122	Cnn3(-96550),Alig14(+38174)	N/A
Chr3	121333413	121333531	Chr3.100130	Cnn3(-93069),Alig14(+41655)	N/A
Chr3	121344392	121344574	Chr3.100143	Cnn3(-82058),Alig14(+52666)	N/A
Chr3	121365173	121365297	Chr3.100173	Cnn3(-61906),Alig14(+73418)	N/A
Chr3	121370804	121370959	Chr3.100178	Cnn3(-55659),Alig14(+79065)	N/A
Chr3	121371370	121371599	Chr3.100179	Cnn3(-55056),Alig14(+79668)	N/A
Chr3	121375827	121376025	Chr3.100186	Cnn3(-50615),Alig14(+84109)	N/A
Chr3	121376061	121376185	Chr3.100189	Cnn3(-50418),Alig14(+84306)	N/A
Chr3	121384937	121385236	Chr3.100195	Cnn3(-41454),Alig14(+93270)	N/A
Chr3	5203935	5204100	Chr3.1002	Gm10748(-10895),Gm8775(+992152)	N/A
Chr3	121418163	121418322	Chr3.100205	Cnn3(-82988),Alig14(+126426)	N/A
Chr3	121458116	121458229	Chr3.100248	Cnn3(+31632),Slc44a3(+74171)	N/A

Chr3	121480298	121480405	Chr3.100285	Slc44a3(+51992),Cmn3(+53811)	N/A
Chr3	121489612	121489754	Chr3.100310	Slc44a3(+42661),Cmn3(+63142)	N/A
Chr3	121491257	121491476	Chr3.100320	Slc44a3(+40977),Cmn3(+64826)	N/A
Chr3	121521653	121521862	Chr3.100352	Slc44a3(+10586),Cmn3(+95217)	N/A
Chr3	121646877	121646984	Chr3.100443	A730020m07rk(-3446)	N/A
Chr3	121815897	121816022	Chr3.100565	Abcd3(-658)	N/A
Chr3	121887161	121887279	Chr3.100569	Abcd3(-71918),Arlgap29(-66009)	N/A
Chr3	121889477	121889598	Chr3.100576	Abcd3(-74236),Arlgap29(-63691)	N/A
Chr3	121903401	121903589	Chr3.100598	Abcd3(-88193),Arlgap29(-49734)	N/A
Chr3	121906747	121906877	Chr3.100601	Abcd3(-91510),Arlgap29(-46417)	N/A
Chr3	121909297	121909482	Chr3.100604	Abcd3(-94088),Arlgap29(-43839)	N/A
Chr3	121914535	121914759	Chr3.100606	Abcd3(-99345),Arlgap29(-38582)	N/A
Chr3	121915282	121915483	Chr3.100611	Abcd3(-100081),Arlgap29(-37846)	N/A
Chr3	121931678	121931870	Chr3.100634	Abcd3(-118472),Arlgap29(-21455)	N/A
Chr3	121950229	121950355	Chr3.100657	Arlgap29(-2937)	N/A
Chr3	121977546	121978063	Chr3.100678	Abca4(-66438),Arlgap29(+24776)	N/A
Chr3	122026729	122026863	Chr3.100787	Abca4(-17647),Arlgap29(+73567)	N/A
Chr3	122034067	122034178	Chr3.100796	Abca4(-10320),Arlgap29(+80894)	N/A
Chr3	122058757	122058893	Chr3.100826	Gclm(-186732),Abca4(+14362)	N/A
Chr3	122074108	122074302	Chr3.100849	Gclm(-171352),Abca4(+29762)	N/A
Chr3	122078265	122078472	Chr3.100859	Gclm(-167188),Abca4(+33928)	N/A
Chr3	122082319	122082543	Chr3.100871	Gclm(-163126),Abca4(+37988)	N/A
Chr3	122084812	122084948	Chr3.100884	Gclm(-160677),Abca4(+40437)	N/A
Chr3	122085311	122085472	Chr3.100887	Gclm(-160165),Abca4(+40949)	N/A
Chr3	122103983	122104059	Chr3.100937	Gclm(-141581),Abca4(+59533)	N/A
Chr3	122122345	122122445	Chr3.100989	Gclm(-123719),Abca4(+77938)	N/A
Chr3	122333950	122334140	Chr3.101240	Bcar3(-85735),Dnrip2(+59631)	N/A
Chr3	122359350	122359573	Chr3.101274	Bcar3(-60318),Dnrip2(+85048)	N/A
Chr3	20189160	20189321	Chr3.10128	Gyg(-34145),Cpa3(+52940)	N/A
Chr3	122360812	122361120	Chr3.101280	Bcar3(-58814),Dnrip2(+86552)	N/A
Chr3	122376495	122376751	Chr3.101299	Bcar3(-43157),Dnrip2(+102209)	N/A
Chr3	122377043	122377194	Chr3.101302	Bcar3(-42651),Dnrip2(+102705)	N/A
Chr3	122420611	122420733	Chr3.101343	Bcar3(+892)	N/A
Chr3	122428693	122428846	Chr3.101369	Bcar3(+8990),Fnbp1l(+190783)	N/A
Chr3	122430909	122431120	Chr3.101374	Bcar3(+11235),Fnbp1l(+188538)	N/A
Chr3	122431269	122431420	Chr3.101378	Bcar3(+11565),Fnbp1l(+188208)	N/A
Chr3	122461452	122461629	Chr3.101409	Bcar3(+41761),Fnbp1l(+158012)	N/A
Chr3	122471127	122471463	Chr3.101415	Bcar3(+51515),Fnbp1l(+148258)	N/A
Chr3	122482676	122482792	Chr3.101437	Bcar3(+62954),Fnbp1l(+136819)	N/A
Chr3	122483132	122483286	Chr3.101441	Bcar3(+63429),Fnbp1l(+136344)	N/A
Chr3	122483612	122483736	Chr3.101447	Bcar3(+63894),Fnbp1l(+135879)	N/A
Chr3	122492987	122493103	Chr3.101473	Bcar3(+73270),Fnbp1l(+126503)	N/A
Chr3	122529972	122530293	Chr3.101587	Fnbp1l(+79420),Bcar3(+120353)	N/A
Chr3	122733912	122734031	Chr3.101694	Fabp2(-161100),Pde5a(+4814)	N/A
Chr3	122797878	122797989	Chr3.101746	Fabp2(-97138),Pde5a(+68776)	N/A
Chr3	122802625	122802782	Chr3.101750	Fabp2(-92368),Pde5a(+73546)	N/A
Chr3	122807401	122807621	Chr3.101760	Fabp2(-87611),Pde5a(+78303)	N/A
Chr3	122814695	122814805	Chr3.101770	Fabp2(-80322),Pde5a(+85592)	N/A
Chr3	123034723	123035098	Chr3.101993	Myoz2(-79)	N/A
Chr3	123092540	123092649	Chr3.102048	Myoz2(-57605),Synpo2(+143532)	N/A
Chr3	52115928	123116032	Chr3.102154	Myoz2(-80990),Synpo2(+120167)	N/A
Chr3	5209253	5209395	Chr3.1022	Gm10748(-5439),Gm8775(+997608)	N/A
Chr3	123149844	123149963	Chr3.102213	Myoz2(-114914),Synpo2(+86243)	N/A
Chr3	123176844	123176949	Chr3.102239	Myoz2(-141807),Synpo2(+59250)	N/A
Chr3	123177055	123177196	Chr3.102242	Myoz2(-142138),Synpo2(+59021)	N/A
Chr3	123184536	123184782	Chr3.102245	Myoz2(-149669),Synpo2(+51488)	N/A
Chr3	123190258	123190364	Chr3.102253	Myoz2(-155321),Synpo2(+45836)	N/A
Chr3	123204744	123204937	Chr3.102259	Myoz2(-169851),Synpo2(+31306)	N/A
Chr3	123218570	123218702	Chr3.102269	Myoz2(-183646),Synpo2(+173511)	N/A
Chr3	123245690	123245798	Chr3.102277	Sec24d(-21750),Synpo2(+6597)	N/A
Chr3	123329363	123329560	Chr3.102343	Mettl14(+56528),Sec24d(+61966)	N/A
Chr3	123335610	123335722	Chr3.102354	Mettl14(+50324),Sec24d(+68170)	N/A
Chr3	123337777	123337908	Chr3.102361	Mettl14(+48147),Sec24d(+70347)	N/A
Chr3	123429878	123430053	Chr3.102470	Mettl14(-43978),Prss12(-16947)	N/A
Chr3	123446447	123446552	Chr3.102474	Prss12(-363)	N/A
Chr3	123501292	123501407	Chr3.102555	Prss12(+54437),Ndst3(+189467)	N/A
Chr3	123507937	123508070	Chr3.102576	Prss12(+61091),Ndst3(+182813)	N/A
Chr3	5210276	5210539	Chr3.1026	Gm10748(-4355)	N/A
Chr3	123690128	123690391	Chr3.102745	Ndst3(+557)	N/A
Chr3	123700654	123700992	Chr3.102768	Tram11l(-614114),Ndst3(-16106)	N/A
Chr3	123766618	123766781	Chr3.102779	Tram11l(-554337),Ndst3(-7588)	N/A
Chr3	123766812	123766912	Chr3.102784	Tram11l(-554175),Ndst3(-76045)	N/A
Chr3	123854606	123854732	Chr3.102812	Tram11l(-466368),Ndst3(-163852)	N/A
Chr3	5210969	5211095	Chr3.1030	Gm10748(-3731)	N/A
Chr3	125403879	125404049	Chr3.103094	Ndst4(-130)	N/A
Chr3	125404204	125404433	Chr3.103095	Ndst4(-229)	N/A
Chr3	5211656	5211826	Chr3.1033	Gm10748(-3022)	N/A
Chr3	125678945	125679104	Chr3.103336	Ugfb(-259529),Ndst4(+274931)	N/A
Chr3	126505886	126506009	Chr3.103735	Camk2d(-91395),Arlg(+142121)	N/A
Chr3	126597702	126597878	Chr3.103775	Camk2d(+447)	N/A
Chr3	126598694	126598634	Chr3.103779	Camk2d(+12159),Ank2(+399899)	N/A
Chr3	5212142	5212462	Chr3.1038	Gm10748(-2461)	N/A
Chr3	126659013	126659207	Chr3.103830	Camk2d(+61767),Ank2(+339351)	N/A
Chr3	5212659	5212906	Chr3.1041	Gm10748(-1980)	N/A
Chr3	5213623	5213775	Chr3.1045	Zfx4(-4855),Gm10748(-1064)	N/A
Chr3	127124500	127124671	Chr3.104547	Ndst3(-126125),Larp7(+428762)	N/A
Chr3	127124760	127124988	Chr3.104553	Ank2(-126418),Larp7(+428468)	N/A
Chr3	127161673	127161816	Chr3.104600	Ank2(-163284),Larp7(-391603)	N/A
Chr3	127162101	127162362	Chr3.104603	Ank2(-163771),Larp7(+391116)	N/A
Chr3	127224823	127224966	Chr3.104650	Ank2(-226434),Larp7(-328453)	N/A
Chr3	127244114	127244235	Chr3.104669	Ank2(-245714),Larp7(+309173)	N/A
Chr3	127244322	127244499	Chr3.104672	Ank2(-245950),Larp7(+308937)	N/A
Chr3	127253569	127293830	Chr3.104703	Ank2(-285239),Larp7(+259648)	N/A
Chr3	20819649	20819820	Chr3.10474	Agtr1b(-452558)	N/A
Chr3	127376295	127376528	Chr3.104751	Ank2(-377951),Larp7(+176936)	N/A
Chr3	127387113	127387322	Chr3.104753	Ank2(-388757),Larp7(+166130)	N/A
Chr3	127404409	127404630	Chr3.104762	Ank2(-406059),Larp7(+148828)	N/A
Chr3	127408854	127409154	Chr3.104774	Ank2(-410533),Larp7(+144354)	N/A
Chr3	127460014	127460128	Chr3.104786	Ank2(-461610),Larp7(+93277)	N/A
Chr3	127498338	127498437	Chr3.104794	Ank2(-499927),Larp7(+54960)	N/A
Chr3	127628814	127628946	Chr3.104984	Neurog2(-4256)	N/A
Chr3	127633078	127633275	Chr3.104999	Neurog2(+41)	N/A
Chr3	127640308	127640477	Chr3.105020	Neurog2(+2357),Alpk1(+140120)	N/A
Chr3	5214592	5214908	Chr3.1051	Zfx4(-3804),Gm10748(-13)	N/A
Chr3	127695236	127695426	Chr3.105134	Neurog2(+62195),Alpk1(+85182)	N/A
Chr3	127720457	127720644	Chr3.105179	Alpk1(+59962),Neurog2(+87415)	N/A
Chr3	127745868	127746199	Chr3.105222	Alpk1(+34479),Neurog2(+112898)	N/A
Chr3	127746255	127746458	Chr3.105224	Alpk1(+34156),Neurog2(+13221)	N/A
Chr3	127750177	127750508	Chr3.105236	Alpk1(+30170),Neurog2(+117207)	N/A
Chr3	127914533	127914638	Chr3.105356	Gm10650(-124109),Fam241a(-18262)	N/A
Chr3	127977286	127977410	Chr3.105372	Fam241a(-81025),Gm10650(-61346)	N/A
Chr3	128002466	128002612	Chr3.105405	Fam241a(-106216),Gm10650(-36155)	N/A
Chr3	128003034	128003354	Chr3.105407	Fam241a(-106871),Gm10650(-35500)	N/A
Chr3	128029073	128029266	Chr3.105424	Fam241a(-132847),Gm10650(-9524)	N/A
Chr3	128029384	128029520	Chr3.105427	Fam241a(-133129),Gm10650(-9242)	N/A
Chr3	128048735	128048891	Chr3.105449	Gm10650(+10119)	N/A
Chr3	128192593	128192765	Chr3.105613	Gm10650(+153985)	N/A
Chr3	128198139	128198343	Chr3.105617	Gm10650(+159547)	N/A
Chr3	128230613	128230829	Chr3.105674	Pitx2(-982954),Gm10650(+192027)	N/A
Chr3	20989600	209896762	Chr3.10571	Agtr1b(-615504)	N/A
Chr3	128277963	128277986	Chr3.105732	Pitx2(-935640),Gm10650(+239341)	N/A
Chr3	128298203	128298445	Chr3.105754	Pitx2(-915351),Gm10650(+259630)	N/A
Chr3	128298907	128299147	Chr3.105760	Pitx2(-914648),Gm10650(+260333)	N/A
Chr3	128301396	128301710	Chr3.105766	Pitx2(-912122),Gm10650(+262859)	N/A
Chr3	128315495	128315708	Chr3.105777	Pitx2(-898073),Gm10650(+276908)	N/A
Chr3	128348735	128348863	Chr3.105832	Pitx2(-864866),Gm10650(+310115)	N/A
Chr3	128398913	128399047	Chr3.105858	Pitx2(-914695),Gm10650(+360286)	N/A
Chr3	128428454	128428664	Chr3.105885	Pitx2(-785116),Gm10650(+389865)	N/A
Chr3	5215595	5215704	Chr3.1059	Zfx4(-2904),Gm10748(-887)	N/A
Chr3	128511832	128512352	Chr3.105965	Pitx2(-701583),Gm10650(+473398)	N/A
Chr3	128518881	128519172	Chr3.105971	Pitx2(-694648),Gm10650(+480333)	N/A
Chr3	128519977	128520307	Chr3.105974	Pitx2(-693533),Gm10650(+481448)	N/A
Chr3	128520610	128521111	Chr3.105977	Pitx2(-692814),Gm10650(+482167)	N/A
Chr3	128525543	128525675	Chr3.105982	Pitx2(-688066),Gm10650(+486915)	N/A
Chr3	128546218	128546621	Chr3.106005	Pitx2(-667255),Gm10650(+507726)	N/A
Chr3	128546867	128546810	Chr3.106011	Pitx2(-666936),Gm10650(+508045)	N/A
Chr3	128688896	128689048	Chr3.106107	Pitx2(-544703),Gm10650(+530248)	N/A
Chr3	128670423	128670611	Chr3.106125	Pitx2(-543158),Gm10650(+631823)	N/A

Chr3	128792027	128792195	Chr3.106204	<i>Pitx2(-421564), Gm10650(+753417)</i>	N/A
Chr3	128792930	128793148	Chr3.106215	<i>Pitx2(-420636), Gm10650(+754343)</i>	N/A
Chr3	5216093	5216401	Chr3.1063	<i>Zfx4(-2307)</i>	N/A
Chr3	128856566	128856851	Chr3.106317	<i>Pitx2(-366921), Gm10650(+818060)</i>	N/A
Chr3	128880279	128880391	Chr3.106338	<i>Pitx2(-333340), Gm10650(+841641)</i>	N/A
Chr3	128881596	128882478	Chr3.106347	<i>Pitx2(-331638), Gm10650(+843343)</i>	N/A
Chr3	128882616	128882716	Chr3.106351	<i>Pitx2(-331009), Gm10650(+843972)</i>	N/A
Chr3	128884693	128884878	Chr3.106363	<i>Pitx2(-328889), Gm10650(+846092)</i>	N/A
Chr3	128844696	1288445082	Chr3.106456	<i>Col25a1(-268786), Gm10650(+906195)</i>	N/A
Chr3	12900733	129006858	Chr3.106532	<i>Pitx2(-26879), Gm10650(+981023)</i>	N/A
Chr3	21268361	21268844	Chr3.10655	<i>Agtr1b(-901426), Tbx1xrl(-808049)</i>	N/A
Chr3	129064820	129064930	Chr3.106569	<i>Pitx2(-148800)</i>	N/A
Chr3	129065876	129066018	Chr3.106574	<i>Pitx2(-147728)</i>	N/A
Chr3	129070477	129070648	Chr3.106594	<i>Pitx2(-143112)</i>	N/A
Chr3	12911051	12911211	Chr3.106598	<i>Pitx2(-142544)</i>	N/A
Chr3	129150716	129150883	Chr3.106693	<i>Pitx2(-62875)</i>	N/A
Chr3	129158797	129158928	Chr3.106703	<i>Pitx2(-54812)</i>	N/A
Chr3	129158966	129159082	Chr3.106704	<i>Pitx2(-54651)</i>	N/A
Chr3	129194924	129195206	Chr3.106747	<i>Pitx2(-18610)</i>	N/A
Chr3	129196886	129197121	Chr3.106760	<i>Pitx2(-16671)</i>	N/A
Chr3	129197776	129197975	Chr3.106764	<i>Pitx2(-15799)</i>	N/A
Chr3	129198623	129198739	Chr3.106767	<i>Pitx2(-14994)</i>	N/A
Chr3	129200116	129200259	Chr3.106772	<i>Pitx2(-13487)</i>	N/A
Chr3	129200553	129200717	Chr3.106775	<i>Pitx2(-13040)</i>	N/A
Chr3	129201416	129201539	Chr3.106782	<i>Pitx2(-12197)</i>	N/A
Chr3	129202254	129202268	Chr3.106787	<i>Pitx2(-11154)</i>	N/A
Chr3	129203274	129203374	Chr3.106792	<i>Pitx2(-10351)</i>	N/A
Chr3	129204432	129204608	Chr3.106797	<i>Pitx2(-9155)</i>	N/A
Chr3	129205642	129205824	Chr3.106804	<i>Pitx2(-7942)</i>	N/A
Chr3	129207982	129208227	Chr3.106809	<i>Pitx2(-5570)</i>	N/A
Chr3	129211719	129211687	Chr3.106819	<i>Pitx2(-1872)</i>	N/A
Chr3	129212239	129212434	Chr3.106822	<i>Pitx2(-1338)</i>	N/A
Chr3	129212792	129213429	Chr3.106826	<i>Pitx2(-564)</i>	N/A
Chr3	129213807	129213956	Chr3.106830	<i>Pitx2(+207)</i>	N/A
Chr3	129217276	129217534	Chr3.106848	<i>Pitx2(+3730), Enpep(+115315)</i>	N/A
Chr3	129220026	129220454	Chr3.106869	<i>Pitx2(+6565), Enpep(+112480)</i>	N/A
Chr3	129220795	129220976	Chr3.106872	<i>Pitx2(+211), Enpep(+111834)</i>	N/A
Chr3	129221710	129221848	Chr3.106876	<i>Pitx2(+8104), Enpep(+110941)</i>	N/A
Chr3	129227464	129227597	Chr3.106889	<i>Pitx2(+13856), Enpep(+105189)</i>	N/A
Chr3	5216851	5216972	Chr3.1069	<i>Zfx4(-1642)</i>	N/A
Chr3	129532323	129532451	Chr3.107082	<i>Elowl6(+1)</i>	N/A
Chr3	129536305	129536458	Chr3.107095	<i>Elowl6(-3998), Egfr(+219940)</i>	N/A
Chr3	5217002	5217310	Chr3.1071	<i>Zfx4(-159)</i>	N/A
Chr3	129631103	129631205	Chr3.107118	<i>Elowl6(+98768), Egfr(+124168)</i>	N/A
Chr3	121379684	121380067	Chr3.10745	<i>Tbx1xrl(-696776)</i>	N/A
Chr3	130086855	130087003	Chr3.107729	<i>Col25a1(-93962), Gm9396(+18517)</i>	N/A
Chr3	130128046	130128147	Chr3.107751	<i>Col25a1(-52794), Gm9396(+59685)</i>	N/A
Chr3	130161597	130161898	Chr3.107788	<i>Col25a1(-19144), Gm9396(+93333)</i>	N/A
Chr3	130197107	130197219	Chr3.107859	<i>Enpep(-420406), Col25a1(+16272)</i>	N/A
Chr3	21428402	21428599	Chr3.10787	<i>Tbx1xrl(-648151)</i>	N/A
Chr3	130242828	130243019	Chr3.107922	<i>Enpep(-374645), Col25a1(+62033)</i>	N/A
Chr3	130265297	130265407	Chr3.107951	<i>Enpep(-352217), Col25a1(+84461)</i>	N/A
Chr3	130266765	130266903	Chr3.107962	<i>Enpep(-350735), Col25a1(+85943)</i>	N/A
Chr3	130274112	130274412	Chr3.107973	<i>Enpep(-343307), Col25a1(+93371)</i>	N/A
Chr3	130283181	130283345	Chr3.107994	<i>Enpep(-334306), Col25a1(+102372)</i>	N/A
Chr3	130283412	130283552	Chr3.107996	<i>Enpep(-334087), Col25a1(+102591)</i>	N/A
Chr3	130290256	130290460	Chr3.108024	<i>Enpep(-327211), Col25a1(+109467)</i>	N/A
Chr3	130303481	130303932	Chr3.108045	<i>Enpep(-313862), Col25a1(+122816)</i>	N/A
Chr3	130305786	130305919	Chr3.108048	<i>Enpep(-311716), Col25a1(+124962)</i>	N/A
Chr3	130310740	130310935	Chr3.108065	<i>Enpep(-306731), Col25a1(+129947)</i>	N/A
Chr3	130315931	130316031	Chr3.108085	<i>Enpep(-301588), Col25a1(+135090)</i>	N/A
Chr3	130317199	130317311	Chr3.108090	<i>Enpep(-300314), Col25a1(+136364)</i>	N/A
Chr3	130337592	130337847	Chr3.108102	<i>Enpep(-279849), Col25a1(+156829)</i>	N/A
Chr3	130337977	130338118	Chr3.108106	<i>Enpep(-279521), Col25a1(+157157)</i>	N/A
Chr3	130339830	130337000	Chr3.108151	<i>Enpep(-247554), Col25a1(+189034)</i>	N/A
Chr3	130370284	130370414	Chr3.108155	<i>Enpep(-247220), Col25a1(+189458)</i>	N/A
Chr3	130373228	130373374	Chr3.108164	<i>Enpep(-244268), Col25a1(+192410)</i>	N/A
Chr3	130401033	130401159	Chr3.108208	<i>Enpep(-216473), Col25a1(+220205)</i>	N/A
Chr3	130401205	130401344	Chr3.108210	<i>Enpep(-216294), Col25a1(+220384)</i>	N/A
Chr3	130401422	130401539	Chr3.108212	<i>Enpep(-216093), Col25a1(+220369)</i>	N/A
Chr3	130401567	130401689	Chr3.108214	<i>Enpep(-215941), Col25a1(+220737)</i>	N/A
Chr3	130401731	130401979	Chr3.108216	<i>Enpep(-215714), Col25a1(+220964)</i>	N/A
Chr3	21478892	21479163	Chr3.108222	<i>Tbx1xrl(-597624)</i>	N/A
Chr3	130402096	130402247	Chr3.108222	<i>Enpep(-215397), Col25a1(+221281)</i>	N/A
Chr3	21479430	21479782	Chr3.108268	<i>Tbx1xrl(-597106)</i>	N/A
Chr3	130439963	130440057	Chr3.108295	<i>Enpep(-177589), Col25a1(+259289)</i>	N/A
Chr3	130450851	130451020	Chr3.108313	<i>Enpep(-166633), Col25a1(+270045)</i>	N/A
Chr3	130474734	130474925	Chr3.108349	<i>Enpep(-142739), Col25a1(+293939)</i>	N/A
Chr3	130518605	130518728	Chr3.108438	<i>Enpep(-98902), Col25a1(+337776)</i>	N/A
Chr3	21495652	21495855	Chr3.10853	<i>Tbx1xrl(-580898)</i>	N/A
Chr3	130581509	130581633	Chr3.108535	<i>Enpep(-53958), Col25a1(+380680)</i>	N/A
Chr3	130579526	130579763	Chr3.108590	<i>Enpep(-37824), Col25a1(+380754)</i>	N/A
Chr3	21501627	21501744	Chr3.10861	<i>Tbx1xrl(-574965)</i>	N/A
Chr3	5218370	5218489	Chr3.1087	<i>Zfx4(-124)</i>	N/A
Chr3	130670971	130671096	Chr3.108742	<i>Ostc(+38410), Enpep(+53465)</i>	N/A
Chr3	21531324	21531431	Chr3.10875	<i>Tbx1xrl(-545274)</i>	N/A
Chr3	130716583	130716788	Chr3.108779	<i>Ostc(-7232), Rpl34(+13681)</i>	N/A
Chr3	130756966	130757095	Chr3.108813	<i>Left(-353490), Rpl34(-26644)</i>	N/A
Chr3	130758104	130758205	Chr3.108818	<i>Left(-352316), Rpl34(-27818)</i>	N/A
Chr3	130758300	130758509	Chr3.108822	<i>Left(-352066), Rpl34(-28068)</i>	N/A
Chr3	130803451	130803690	Chr3.108884	<i>Left(-306900), Rpl34(-73234)</i>	N/A
Chr3	130803959	130804210	Chr3.108886	<i>Left(-306386), Rpl34(-73748)</i>	N/A
Chr3	130804701	130804828	Chr3.108890	<i>Left(-305707), Rpl34(-74427)</i>	N/A
Chr3	130818982	130819108	Chr3.108896	<i>Left(-291426), Rpl34(-88708)</i>	N/A
Chr3	5218531	5218718	Chr3.1089	<i>Zfx4(+71)</i>	N/A
Chr3	130827950	130828113	Chr3.108904	<i>Left(-282439), Rpl34(-97695)</i>	N/A
Chr3	130838436	130838726	Chr3.108920	<i>Left(-271892), Rpl34(-108242)</i>	N/A
Chr3	130838925	130839276	Chr3.108925	<i>Left(-271420), Rpl34(-108714)</i>	N/A
Chr3	130839332	130839499	Chr3.108933	<i>Left(-271055), Rpl34(-109079)</i>	N/A
Chr3	130850910	130851040	Chr3.108942	<i>Left(-259496), Rpl34(-120638)</i>	N/A
Chr3	130860060	130860159	Chr3.108948	<i>Left(-250361), Rpl34(-129773)</i>	N/A
Chr3	130867309	130867649	Chr3.108961	<i>Left(-242992), Rpl34(-137142)</i>	N/A
Chr3	130879314	130879717	Chr3.108973	<i>Left(-230955), Rpl34(-149179)</i>	N/A
Chr3	130881331	130881618	Chr3.108979	<i>Left(-228996), Rpl34(-151138)</i>	N/A
Chr3	21558228	21558464	Chr3.10899	<i>Tbx1xrl(-518306)</i>	N/A
Chr3	130899916	130900145	Chr3.108994	<i>Left(-210440), Rpl34(-169694)</i>	N/A
Chr3	130901634	130901808	Chr3.109003	<i>Left(-208750), Rpl34(-171384)</i>	N/A
Chr3	130921972	130922096	Chr3.109028	<i>Rpl34(-191697), Left(-188437)</i>	N/A
Chr3	130922125	130922228	Chr3.109030	<i>Rpl34(-191640), Left(-188294)</i>	N/A
Chr3	130922725	130922929	Chr3.109032	<i>Rpl34(-192540), Left(-187594)</i>	N/A
Chr3	130923610	130923847	Chr3.109042	<i>Rpl34(-193392), Left(-186742)</i>	N/A
Chr3	130924008	130924136	Chr3.109049	<i>Rpl34(-193735), Left(-186399)</i>	N/A
Chr3	130928455	130928790	Chr3.109057	<i>Rpl34(-198286), Left(-181848)</i>	N/A
Chr3	130935333	130935487	Chr3.109065	<i>Rpl34(-205073), Left(-175061)</i>	N/A
Chr3	130936379	130936640	Chr3.109077	<i>Rpl34(-206173), Left(-173961)</i>	N/A
Chr3	21563978	21564109	Chr3.10908	<i>Tbx1xrl(-512608)</i>	N/A
Chr3	130937022	130937218	Chr3.109082	<i>Rpl34(-206783), Left(-173351)</i>	N/A
Chr3	130943381	130943908	Chr3.109099	<i>Rpl34(-213308), Left(-166826)</i>	N/A
Chr3	130945978	130946194	Chr3.109108	<i>Rpl34(-215749), Left(-164385)</i>	N/A
Chr3	130946586	130946762	Chr3.109112	<i>Rpl34(-216343), Left(-163791)</i>	N/A
Chr3	130951479	130951708	Chr3.109115	<i>Rpl34(-221256), Left(-158878)</i>	N/A
Chr3	21564168	21564286	Chr3.10912	<i>Tbx1xrl(-512425)</i>	N/A
Chr3	131016160	131016276	Chr3.109191	<i>Rpl34(-285881), Left(-94253)</i>	N/A
Chr3	5220636	5220850	Chr3.1092	<i>Zfx4(+2189), Pev2(+355407)</i>	N/A
Chr3	131024257	131024362	Chr3.109212	<i>Rpl34(-293973), Left(-86161)</i>	N/A
Chr3	131078622	131078807	Chr3.109243	<i>Rpl34(-348378), Left(-317558)</i>	N/A
Chr3	131084789	131084924	Chr3.109252	<i>Rpl34(-354520), Left(-25614)</i>	N/A
Chr3	21626048	21626471	Chr3.10928	<i>Tbx1xrl(-450392)</i>	N/A
Chr3	131105602	131105770	Chr3.109282	<i>Left(-4785)</i>	N/A
Chr3	131110834	131110692	Chr3.109285	<i>Left(-4508)</i>	N/A
Chr3	131110869	1311107199	Chr3.109290	<i>Left(-3377)</i>	N/A
Chr3	131107458	131107734	Chr3.109294	<i>Left(-2875)</i>	N/A
Chr3	131108180	131108329	Chr3.109297	<i>Left(-2216)</i>	N/A
Chr3	131110973	1311109355	Chr3.109303	<i>Left(-1257)</i>	N/A
Chr3	131110247	1311110381	Chr3.109312	<i>Left(-157)</i>	N/A
Chr3	131110829	1311110629	Chr3.109316	<i>Left(+408)</i>	N/A
Chr3	131112661	131112827	Chr3.109326	<i>Left(+2373), Hadh(+159357)</i>	N/A
Chr3	131113224	131113340	Chr3.109328	<i>Left(+2811), Hadh(+158819)</i>	N/A

Chr3	131115102	131115289	Chr3.109333	Left(+4725),Hadh(+156905)	N/A
Chr3	131135224	131135368	Chr3.109358	Left(+24825),Hadh(+136805)	N/A
Chr3	131135575	131135770	Chr3.109360	Left(+25202),Hadh(+136428)	N/A
Chr3	131137072	131137685	Chr3.109369	Left(+26908),Hadh(+134722)	N/A
Chr3	131138315	131138867	Chr3.109372	Left(+28120),Hadh(+133510)	N/A
Chr3	131139460	131139590	Chr3.109376	Left(+29054),Hadh(+132576)	N/A
Chr3	131160025	131160175	Chr3.109399	Left(+49629),Hadh(+12001)	N/A
Chr3	21639603	21639775	Chr3.10940	Tb1xrl(-436963)	N/A
Chr3	131160916	131161022	Chr3.109404	Left(+50497),Hadh(+111133)	N/A
Chr3	131178897	131179037	Chr3.109413	Left(+69496),Hadh(+93134)	N/A
Chr3	131180941	131181308	Chr3.109418	Left(+70654),Hadh(+90976)	N/A
Chr3	131181683	131181809	Chr3.109422	Left(+71275),Hadh(+90355)	N/A
Chr3	131190366	131190475	Chr3.109441	Left(+79950),Hadh(+81680)	N/A
Chr3	131191568	131191676	Chr3.109447	Hadh(+80480),Left(+81150)	N/A
Chr3	131198328	131198458	Chr3.109457	Hadh(+75708),Left(+85922)	N/A
Chr3	21644220	21644381	Chr3.10946	Tb1xrl(-432351)	N/A
Chr3	131204859	131205046	Chr3.109474	Hadh(+67148),Left(+94482)	N/A
Chr3	131220865	131221036	Chr3.109478	Hadh(+51150),Left(+110480)	N/A
Chr3	131223044	131223261	Chr3.109484	Hadh(+48948),Left(+112682)	N/A
Chr3	5221030	5221152	Chr3.1095	Zfx4(+2537),Pev2(+35059)	N/A
Chr3	5221451	5221728	Chr3.1096	Zfx4(+3036),Pev2(+35450)	N/A
Chr3	131335072	131335238	Chr3.109637	Cyp2u1(-31928),Sgms2(+9778)	N/A
Chr3	131343522	131343643	Chr3.109669	Cyp2u1(-40356),Sgms2(+1350)	N/A
Chr3	5221841	5221940	Chr3.1097	Zfx4(+3337),Pev2(+354259)	N/A
Chr3	131520748	131520881	Chr3.109714	Sgms2(-184882),Papsa1(-34953)	N/A
Chr3	131593379	131593707	Chr3.109739	Dkk2(-491749),Papsa1(+28735)	N/A
Chr3	131638396	131638555	Chr3.109789	Dkk2(-446756),Papsa1(+73758)	N/A
Chr3	131646209	131646320	Chr3.109811	Dkk2(-439027),Papsa1(+81497)	N/A
Chr3	131686251	131686376	Chr3.109842	Dkk2(-398978),Papsa1(+121546)	N/A
Chr3	131689692	131689871	Chr3.109859	Dkk2(-395510),Papsa1(+125014)	N/A
Chr3	131738221	131738358	Chr3.109893	Dkk2(-346989),Papsa1(+173535)	N/A
Chr3	131772565	131772798	Chr3.109916	Dkk2(-312610),Papsa1(+207914)	N/A
Chr3	131795269	131795583	Chr3.109927	Dkk2(-289866),Papsa1(+230658)	N/A
Chr3	131795751	131796029	Chr3.109932	Dkk2(-289402),Papsa1(+231122)	N/A
Chr3	131808215	131808339	Chr3.109951	Dkk2(-277015),Papsa1(+243590)	N/A
Chr3	131830966	131831161	Chr3.109969	Dkk2(-254228),Papsa1(+266296)	N/A
Chr3	131839658	131839976	Chr3.109973	Dkk2(-245375),Papsa1(+275149)	N/A
Chr3	131843731	131843960	Chr3.109987	Dkk2(-241446),Papsa1(+279078)	N/A
Chr3	5222023	5222170	Chr3.1100	Zfx4(+3543),Pev2(+354053)	N/A
Chr3	131868433	131868592	Chr3.110001	Dkk2(-216779),Papsa1(+303745)	N/A
Chr3	131868670	131868839	Chr3.110005	Dkk2(-216537),Papsa1(+303987)	N/A
Chr3	131941138	131941242	Chr3.110077	Dkk2(-144102),Papsa1(+376422)	N/A
Chr3	131942073	131942290	Chr3.110079	Dkk2(-143110),Papsa1(+377414)	N/A
Chr3	21742165	21742377	Chr3.11008	Tb1xrl(-334381)	N/A
Chr3	5222258	5223518	Chr3.1101	Zfx4(+4334),Pev2(+353262)	N/A
Chr3	131965824	131966080	Chr3.110103	Dkk2(-119340),Papsa1(+401184)	N/A
Chr3	13199311	131999502	Chr3.110129	Dkk2(-85885),Papsa1(+434639)	N/A
Chr3	132022061	132022206	Chr3.110151	Dkk2(-65158),Papsa1(+45736)	N/A
Chr3	132037833	132037949	Chr3.110175	Dkk2(-47401),Papsa1(+473123)	N/A
Chr3	132054561	132054948	Chr3.110183	Dkk2(-30537),Papsa1(+489987)	N/A
Chr3	132085730	132085867	Chr3.110215	Dkk2(+507)	N/A
Chr3	132102871	132103190	Chr3.110233	Gimd1(-531694),Dkk2(+17739)	N/A
Chr3	132116122	132116228	Chr3.110260	Gimd1(-518550),Dkk2(+30883)	N/A
Chr3	132138014	132138188	Chr3.110302	Gimd1(-496504),Dkk2(+52809)	N/A
Chr3	132142944	132143089	Chr3.110312	Gimd1(-491708),Dkk2(+57725)	N/A
Chr3	21817007	21817149	Chr3.11046	Tb1xrl(-259574)	N/A
Chr3	132342604	132342810	Chr3.110509	Gimd1(-292018),Dkk2(+257415)	N/A
Chr3	132425985	132426205	Chr3.110568	Gimd1(-208630),Dkk2(+340803)	N/A
Chr3	132426917	132427057	Chr3.110575	Gimd1(-207739),Dkk2(+341695)	N/A
Chr3	132428163	132428278	Chr3.110581	Gimd1(-206504),Dkk2(+341695)	N/A
Chr3	132561852	132561986	Chr3.110702	Gimd1(-72806),Dkk2(+476627)	N/A
Chr3	132562041	132562182	Chr3.110705	Gimd1(-72613),Dkk2(+476820)	N/A
Chr3	132566427	132566528	Chr3.110724	Gimd1(-68247),Dkk2(+481186)	N/A
Chr3	132576332	132576496	Chr3.110736	Gimd1(-58311),Dkk2(+491122)	N/A
Chr3	132611559	132611722	Chr3.110753	Gimd1(-23040),Dkk2(+528349)	N/A
Chr3	132612725	132613012	Chr3.110757	Gimd1(-21856),Dkk2(+527577)	N/A
Chr3	132744492	132744645	Chr3.110892	Tbck(+60425),Nprt(+205591)	N/A
Chr3	132783321	132783497	Chr3.110922	Tbck(+99265),Nprt(+166751)	N/A
Chr3	132860164	132860282	Chr3.110969	Nprt(+89937),Tbck(+176079)	N/A
Chr3	132871643	132871746	Chr3.110983	Nprt(+78465),Tbck(+187551)	N/A
Chr3	132873840	132873762	Chr3.110990	Nprt(+10459),Tbck(+189557)	N/A
Chr3	21892222	21892342	Chr3.11115	Tb1xrl(-184370)	N/A
Chr3	133027068	133027264	Chr3.111152	Nprt(-77006),Gstcd(+64612)	N/A
Chr3	21892603	21892684	Chr3.11117	Tb1xrl(-183918)	N/A
Chr3	21893102	21893294	Chr3.11123	Tb1xrl(-183445)	N/A
Chr3	21938363	21938373	Chr3.11142	Tb1xrl(-183334)	N/A
Chr3	21952504	21952852	Chr3.11158	Tb1xrl(-123974)	N/A
Chr3	21952996	21953152	Chr3.11159	Tb1xrl(-123578)	N/A
Chr3	133540212	133540361	Chr3.111696	Tel2(+4103),Ppa2(+230177)	N/A
Chr3	133543289	133543389	Chr3.111707	Tel2(+1051),Ppa2(+233229)	N/A
Chr3	133543812	133543918	Chr3.111709	Tel2(+525)	N/A
Chr3	133543993	133544137	Chr3.111712	Tel2(+256)	N/A
Chr3	133544188	133544417	Chr3.111714	Tel2(+87)	N/A
Chr3	133600705	133601110	Chr3.111729	Cxxc4(-635583),Tel2(-56518)	N/A
Chr3	21964002	21964176	Chr3.11174	Tb1xrl(-112563)	N/A
Chr3	133614145	133614400	Chr3.111742	Cxxc4(-62218),Tel2(-69883)	N/A
Chr3	133614832	133615125	Chr3.111747	Cxxc4(-621512),Tel2(-70599)	N/A
Chr3	133751746	133751968	Chr3.111820	Cxxc4(-484634),Tel2(-207467)	N/A
Chr3	133754148	133754347	Chr3.111825	Cxxc4(-482243),Tel2(-209858)	N/A
Chr3	133758155	133758393	Chr3.111833	Cxxc4(-478217),Tel2(-213884)	N/A
Chr3	133876500	133876852	Chr3.111862	Cxxc4(-359815),Tel2(-332286)	N/A
Chr3	133877345	133877460	Chr3.111868	Cxxc4(-359088),Tel2(-333013)	N/A
Chr3	133878144	133878847	Chr3.111871	Cxxc4(-357695),Tel2(-334406)	N/A
Chr3	134014709	134014890	Chr3.111945	Tel2(-470410),Cxxc4(-221691)	N/A
Chr3	134099775	134100070	Chr3.111990	Tel2(-555533),Cxxc4(-136568)	N/A
Chr3	5226463	5226640	Chr3.1120	Zfx4(+7998),Pev2(+349598)	N/A
Chr3	134146561	134146719	Chr3.112031	Tel2(-602250),Cxxc4(-89851)	N/A
Chr3	134146796	134146956	Chr3.112033	Tel2(-602468),Cxxc4(-89615)	N/A
Chr3	134189399	134189752	Chr3.112057	Tel2(-645189),Cxxc4(-48915)	N/A
Chr3	134190043	134190144	Chr3.112059	Tel2(-645704),Cxxc4(-46397)	N/A
Chr3	134190219	134190359	Chr3.112062	Tel2(-645899),Cxxc4(-46202)	N/A
Chr3	134196167	134196270	Chr3.112068	Tel2(-651829),Cxxc4(-40272)	N/A
Chr3	134236489	134236594	Chr3.112091	Cxxc4(+51)	N/A
Chr3	134236947	134237138	Chr3.112092	Cxxc4(+52)	N/A
Chr3	134237283	134237802	Chr3.112093	Tacr3(-591464),Cxxc4(+1052)	N/A
Chr3	134237850	134238013	Chr3.112099	Tacr3(-591075),Cxxc4(+1441)	N/A
Chr3	134238092	134238240	Chr3.112101	Tacr3(-590841),Cxxc4(+1675)	N/A
Chr3	134238408	134238508	Chr3.112104	Tacr3(-590549),Cxxc4(+1967)	N/A
Chr3	134238656	134238780	Chr3.112106	Tacr3(-590289),Cxxc4(+2227)	N/A
Chr3	134238811	134239192	Chr3.112107	Tacr3(-590505),Cxxc4(+2511)	N/A
Chr3	134281703	134281924	Chr3.112173	Tacr3(-547193),Cxxc4(+45323)	N/A
Chr3	134282094	134282298	Chr3.112176	Tacr3(-546811),Cxxc4(+45705)	N/A
Chr3	134306247	134306649	Chr3.112206	Tacr3(-522559),Cxxc4(+69957)	N/A
Chr3	134306766	134306875	Chr3.112208	Tacr3(-521186),Cxxc4(+70330)	N/A
Chr3	134330987	134331178	Chr3.112251	Tacr3(-497919),Cxxc4(+94997)	N/A
Chr3	134331303	134331444	Chr3.112253	Tacr3(-497833),Cxxc4(+94883)	N/A
Chr3	134331519	134331923	Chr3.112255	Tacr3(-497286),Cxxc4(+95230)	N/A
Chr3	22061446	22061560	Chr3.11227	Tb1xrl(-15149)	N/A
Chr3	22074933	22075104	Chr3.11229	Tb1xrl(-1633)	N/A
Chr3	5226723	5227512	Chr3.1123	Zfx4(+8564),Pev2(+349032)	N/A
Chr3	22077878	22077996	Chr3.11235	Tb1xrl(+1285)	N/A
Chr3	22078113	22078375	Chr3.11237	Tb1xrl(+1592)	N/A
Chr3	134605647	134605809	Chr3.112375	Tacr3(-223279),Cxxc4(+369237)	N/A
Chr3	134629232	134629362	Chr3.112388	Tacr3(-199710),Cxxc4(+392806)	N/A
Chr3	135438313	135438585	Chr3.112783	Ube2d3(-310)	N/A
Chr3	135438861	135438909	Chr3.112787	Ube2d3(+26)	N/A
Chr3	135439288	135439456	Chr3.112792	Ube2d3(+613)	N/A
Chr3	135439517	135439680	Chr3.112793	Ube2d3(+840)	N/A
Chr3	135440331	135440440	Chr3.112796	Manba(-45225),Ube2d3(+1627)	N/A
Chr3	135440601	135440712	Chr3.112799	Manba(-44954),Ube2d3(+1898)	N/A
Chr3	135628883	135629166	Chr3.113081	Nkx1(-62521),Manba(+143414)	N/A
Chr3	135642082	135642408	Chr3.113091	Nkx1(+51201),Manba(+154734)	N/A
Chr3	135651359	135651487	Chr3.113095	Nkx1(-40123),Manba(+165812)	N/A
Chr3	5227984	5228097	Chr3.1131	Zfx4(+9487),Pev2(+348109)	N/A
Chr3	135665841	135666069	Chr3.113113	Nkx1(+25591),Manba(+180344)	N/A
Chr3	135670597	135670729	Chr3.113123	Nkx1(-20883),Manba(+180552)	N/A
Chr3	135682515	135682583	Chr3.113163	Slc39a8(-591)	N/A
Chr3	136610327	136610516	Chr3.113590	Bank1(-284378),Ppp3ca(-80348)	N/A

Chr3	136668278	136668377	Chr3.113611	Ppp3ca(-2442)	N/A
Chr3	136691918	136692225	Chr3.113640	Emcn(-646895),Ppp3ca(+21302)	N/A
Chr3	136720771	136720884	Chr3.113674	Emcn(-620239),Ppp3ca(+50058)	N/A
Chr3	136721920	136722051	Chr3.113679	Emcn(-619031),Ppp3ca(+51216)	N/A
Chr3	136725274	136725475	Chr3.113690	Emcn(-615692),Ppp3ca(+54605)	N/A
Chr3	136741683	136741830	Chr3.113701	Emcn(-699310),Ppp3ca(+70987)	N/A
Chr3	136802645	136802914	Chr3.113756	Emcn(-538287),Ppp3ca(+132010)	N/A
Chr3	136833870	136834098	Chr3.113785	Emcn(-507083),Ppp3ca(+163214)	N/A
Chr3	136836062	136836206	Chr3.113788	Emcn(-504363),Ppp3ca(+165364)	N/A
Chr3	136910851	136911013	Chr3.113837	Emcn(-430135),Ppp3ca(+240162)	N/A
Chr3	136911399	136911647	Chr3.113841	Emcn(-429544),Ppp3ca(+240753)	N/A
Chr3	136966360	136966512	Chr3.113911	Emcn(-374631),Ppp3ca(+295666)	N/A
Chr3	136969910	136970028	Chr3.113922	Emcn(-371098),Ppp3ca(+299199)	N/A
Chr3	137057207	137057616	Chr3.113968	Emcn(-283655),Ppp3ca(+386842)	N/A
Chr3	137067552	137067734	Chr3.113980	Emcn(-273424),Ppp3ca(+396874)	N/A
Chr3	137289891	137289973	Chr3.114106	Emcn(-51235),Ppp3ca(+619062)	N/A
Chr3	137415640	137415803	Chr3.114165	Emcn(+74655),Gm4861(+136900)	N/A
Chr3	137482824	137482966	Chr3.114201	Gm4861(+69727),Emcn(+141828)	N/A
Chr3	137483021	137483230	Chr3.114205	Gm4861(+69496),Emcn(+142059)	N/A
Chr3	137525636	137525770	Chr3.114226	Gm4861(+26919),Emcn(+184638)	N/A
Chr3	137529803	137530163	Chr3.114245	Gm4861(+22639),Emcn(+188916)	N/A
Chr3	137541829	137541946	Chr3.114255	Gm4861(+10734),Emcn(+200821)	N/A
Chr3	137548023	137548124	Chr3.114264	Gm4861(+4548),Emcn(+207007)	N/A
Chr3	137561164	137561282	Chr3.114268	Dd14l(-62449),Gm4861(-8601)	N/A
Chr3	137608947	137609125	Chr3.114291	Gm4861(-56414),Dd14l(-14636)	N/A
Chr3	137625194	137625352	Chr3.114314	H2atz(-239214),Dd14l(-1601)	N/A
Chr3	137680932	137681245	Chr3.114351	H2atz(-183388),Dd14l(-57417)	N/A
Chr3	137863500	137863689	Chr3.114382	Dnab14(-4080),H2atz(-892)	N/A
Chr3	137864432	137864620	Chr3.114385	Dnab14(-3149),H2atz(+39)	N/A
Chr3	5232509	5232817	Chr3.1145	Zfx4(+14109),Pex2(+343487)	N/A
Chr3	138016887	138017097	Chr3.114536	1110002622rk(-48060),Dapp1(-35447)	N/A
Chr3	138030714	138030841	Chr3.114545	Dapp1(-49233),1110002622rk(-34274)	N/A
Chr3	138054201	138054392	Chr3.114561	Dapp1(-72752),1110002622rk(-10755)	N/A
Chr3	138058294	138058529	Chr3.114566	Dapp1(-76867),1110002622rk(-6640)	N/A
Chr3	138061581	138061754	Chr3.114570	1110002622rk(-3384)	N/A
Chr3	138063713	138063903	Chr3.114579	1110002622rk(-1244)	N/A
Chr3	138064064	138064253	Chr3.114582	1110002622rk(-893)	N/A
Chr3	138134636	138134778	Chr3.114651	Gm5105(-67319),Mtp(-8681)	N/A
Chr3	138500057	138500243	Chr3.115321	Elf4e(-26041),Metap1(-10768)	N/A
Chr3	138526366	138526481	Chr3.115334	Elf4e(+233)	N/A
Chr3	138527122	138527408	Chr3.115340	Tspan5(-214930),Elf4e(+1074)	N/A
Chr3	138644664	138644768	Chr3.115386	Tspan5(-97480),Elf4e(+116524)	N/A
Chr3	138705890	138705993	Chr3.115399	Tspan5(-36253),Elf4e(+17975)	N/A
Chr3	138710042	138710449	Chr3.115401	Tspan5(-31949),Elf4e(+184055)	N/A
Chr3	138742979	138743333	Chr3.115438	Tspan5(+961)	N/A
Chr3	138758985	138759103	Chr3.115468	Tspan5(+16849),Rap1gds1(+316155)	N/A
Chr3	138760897	138761188	Chr3.115473	Tspan5(+16848),Rap1gds1(+314156)	N/A
Chr3	138771198	138771292	Chr3.115484	Tspan5(-29045),Rap1gds1(+303959)	N/A
Chr3	138774581	138774767	Chr3.115492	Tspan5(-32479),Rap1gds1(+300525)	N/A
Chr3	5235542	5236067	Chr3.1155	Zfx4(+17251),Pex2(+340345)	N/A
Chr3	138784329	138784559	Chr3.115508	Tspan5(+42249),Rap1gds1(+290755)	N/A
Chr3	138791004	138791111	Chr3.115519	Tspan5(+48863),Rap1gds1(+284141)	N/A
Chr3	138801746	138801855	Chr3.115530	Tspan5(+95606),Rap1gds1(+273398)	N/A
Chr3	138814649	138814838	Chr3.115553	Tspan5(-72549),Rap1gds1(+260458)	N/A
Chr3	138822198	138822368	Chr3.115556	Tspan5(+60083),Rap1gds1(+252921)	N/A
Chr3	138853219	138853532	Chr3.115592	Tspan5(+111181),Rap1gds1(+221823)	N/A
Chr3	138854592	138854880	Chr3.115604	Tspan5(+112541),Rap1gds1(+220463)	N/A
Chr3	138864447	138864574	Chr3.115613	Tspan5(+122316),Rap1gds1(+210688)	N/A
Chr3	138876858	138877014	Chr3.115623	Tspan5(+134741),Rap1gds1(+196263)	N/A
Chr3	138867711	138867879	Chr3.115717	Rap1gds1(+107404),Tspan5(+225600)	N/A
Chr3	139073927	139074111	Chr3.115766	Rap1gds1(+1180),Tspan5(+331824)	N/A
Chr3	5236326	5236434	Chr3.1159	Zfx4(+17826),Pex2(+339770)	N/A
Chr3	139847813	139847982	Chr3.116185	Stpg2(+642005),Gm6214(+991739)	N/A
Chr3	139861148	139861579	Chr3.116197	Stpg2(+655471),Gm6214(+978273)	N/A
Chr3	139869338	139869622	Chr3.116221	Stpg2(+680737),Gm6214(+953007)	N/A
Chr3	5236482	5236877	Chr3.1163	Zfx4(+18126),Pex2(+339470)	N/A
Chr3	140065578	140065774	Chr3.116411	Gm6214(+773961),Stpg2(+859783)	N/A
Chr3	5237191	5237367	Chr3.1165	Zfx4(+18725),Pex2(+338871)	N/A
Chr3	5237445	5237741	Chr3.1169	Zfx4(+19039),Pex2(+338557)	N/A
Chr3	140950263	140950586	Chr3.116954	Gm6214(-107688),Pma2(+261930)	N/A
Chr3	5237815	5238144	Chr3.1170	Zfx4(+19426),Pex2(+338170)	N/A
Chr3	22948661	22948791	Chr3.11739	Td1x1(+872074)	N/A
Chr3	141467088	141467204	Chr3.117412	Unc5c(+1582),Bmpr1b(+515118)	N/A
Chr3	141467496	141467639	Chr3.117415	Unc5c(+2004),Bmpr1b(+514696)	N/A
Chr3	141468412	141468586	Chr3.117419	Unc5c(+2935),Bmpr1b(+513765)	N/A
Chr3	141475784	141476145	Chr3.117445	Unc5c(+10401),Bmpr1b(+50696)	N/A
Chr3	141485371	141485605	Chr3.117471	Unc5c(+19924),Bmpr1b(+496776)	N/A
Chr3	141491353	141491487	Chr3.117476	Unc5c(+25856),Bmpr1b(+490844)	N/A
Chr3	141498423	141498668	Chr3.117486	Unc5c(+32982),Bmpr1b(+483718)	N/A
Chr3	141510090	141510201	Chr3.117519	Unc5c(+44582),Bmpr1b(+472118)	N/A
Chr3	141515980	141516090	Chr3.117529	Unc5c(+50476),Bmpr1b(+466224)	N/A
Chr3	141529737	141529984	Chr3.117549	Unc5c(+64397),Bmpr1b(+452403)	N/A
Chr3	141540820	141541082	Chr3.117570	Unc5c(+75387),Bmpr1b(+441313)	N/A
Chr3	141549938	141550046	Chr3.117588	Unc5c(+84428),Bmpr1b(+432272)	N/A
Chr3	141575276	141575582	Chr3.117628	Unc5c(+109865),Bmpr1b(+406835)	N/A
Chr3	141577911	141578072	Chr3.117643	Unc5c(+112428),Bmpr1b(+404272)	N/A
Chr3	141581431	141581737	Chr3.117654	Unc5c(+116020),Bmpr1b(+400680)	N/A
Chr3	141588334	141588636	Chr3.117667	Unc5c(+122921),Bmpr1b(+393779)	N/A
Chr3	141600338	141600513	Chr3.117698	Unc5c(+134862),Bmpr1b(+381838)	N/A
Chr3	141600723	141600862	Chr3.117704	Unc5c(+135229),Bmpr1b(+381471)	N/A
Chr3	141600895	141601197	Chr3.117706	Unc5c(+135482),Bmpr1b(+381218)	N/A
Chr3	141601246	141601374	Chr3.117712	Unc5c(+135749),Bmpr1b(+380954)	N/A
Chr3	141606007	141606739	Chr3.117814	Unc5c(+195109),Bmpr1b(+321591)	N/A
Chr3	141691998	141692325	Chr3.117860	Unc5c(+226599),Bmpr1b(+290102)	N/A
Chr3	141711078	141711178	Chr3.117877	Unc5c(+245564),Bmpr1b(+271136)	N/A
Chr3	141711302	141711485	Chr3.117881	Unc5c(+245830),Bmpr1b(+270870)	N/A
Chr3	141711593	141711728	Chr3.117887	Unc5c(+246098),Bmpr1b(+270604)	N/A
Chr3	141758650	141759765	Chr3.117956	Bmpr1b(+225651),Unc5c(+291133)	N/A
Chr3	141757464	141757583	Chr3.117960	Bmpr1b(+224740),Unc5c(+291960)	N/A
Chr3	141778508	141778666	Chr3.118004	Bmpr1b(+203677),Unc5c(+313023)	N/A
Chr3	141791379	141791486	Chr3.118065	Bmpr1b(+190831),Unc5c(+325869)	N/A
Chr3	141819322	141819708	Chr3.118150	Bmpr1b(+162749),Unc5c(+353951)	N/A
Chr3	141890686	141890920	Chr3.118289	Bmpr1b(+91458),Unc5c(+425242)	N/A
Chr3	141895229	141895453	Chr3.118299	Bmpr1b(+89923),Unc5c(+429777)	N/A
Chr3	141921279	141921449	Chr3.118330	Bmpr1b(+60900),Unc5c(+455800)	N/A
Chr3	141931556	141931710	Chr3.118353	Bmpr1b(+50631),Unc5c(+466069)	N/A
Chr3	141936865	141937169	Chr3.118363	Bmpr1b(+45247),Unc5c(+471453)	N/A
Chr3	141948194	141948357	Chr3.118380	Bmpr1b(+33988),Unc5c(+482712)	N/A
Chr3	141982135	141982423	Chr3.118420	Bmpr1b(-19)	N/A
Chr3	142034174	142034315	Chr3.118472	Bmpr1b(-51981),Pdlim5(+361451)	N/A
Chr3	142061198	142061431	Chr3.118511	Bmpr1b(-79051),Pdlim5(+334381)	N/A
Chr3	142063549	142063806	Chr3.118525	Bmpr1b(-81414),Pdlim5(+332018)	N/A
Chr3	142077863	142078057	Chr3.118532	Bmpr1b(-95696),Pdlim5(+317386)	N/A
Chr3	142099182	142099430	Chr3.118560	Bmpr1b(-117042),Pdlim5(+296390)	N/A
Chr3	142124173	142124542	Chr3.118587	Bmpr1b(-142094),Pdlim5(+271338)	N/A
Chr3	142167952	142167921	Chr3.118630	Bmpr1b(-185478),Pdlim5(+227954)	N/A
Chr3	142167978	142168117	Chr3.118633	Bmpr1b(-185784),Pdlim5(+227648)	N/A
Chr3	142212246	142212413	Chr3.118667	Bmpr1b(-230066),Pdlim5(+183366)	N/A
Chr3	142228749	142228890	Chr3.118678	Bmpr1b(-246556),Pdlim5(+166872)	N/A
Chr3	142319198	142319350	Chr3.118683	Bmpr1b(-337010),Pdlim5(+76422)	N/A
Chr3	142325739	142326044	Chr3.118689	Bmpr1b(-343628),Pdlim5(+69804)	N/A
Chr3	142346395	142346580	Chr3.118888	Bmpr1b(-364224),Pdlim5(+49208)	N/A
Chr3	142350617	142350736	Chr3.118891	Bmpr1b(-368413),Pdlim5(+45019)	N/A
Chr3	142390505	142390665	Chr3.118936	Bmpr1b(-408321),Pdlim5(+5111)	N/A
Chr3	142394434	142394538	Chr3.118947	Bmpr1b(-412222),Pdlim5(+1210)	N/A
Chr3	142440292	142440462	Chr3.118980	Gdp5(-66557),Pdlim5(-44681)	N/A
Chr3	142941914	142942067	Chr3.119530	Pkn2(-59987)	N/A
Chr3	142975338	142975465	Chr3.119576	Pkn2(-93398)	N/A
Chr3	143035061	143035230	Chr3.119707	Pkn2(-153142)	N/A
Chr3	143092036	143092311	Chr3.119829	Pkn2(-210170)	N/A
Chr3	143092352	143092596	Chr3.119834	Pkn2(-210470)	N/A
Chr3	143189477	143189477	Chr3.119998	Pkn2(-307498)	N/A
Chr3	143204944	143205102	Chr3.120024	Pkn2(-323019)	N/A
Chr3	143223340	143223798	Chr3.120042	Pkn2(-341565),Lmo4(+981651)	N/A
Chr3	143242397	143242670	Chr3.120096	Pkn2(-360530),Lmo4(+962686)	N/A
Chr3	143243014	143243120	Chr3.120099	Pkn2(-361063),Lmo4(+962153)	N/A
Chr3	143246522	143246522	Chr3.120106	Pkn2(-364454),Lmo4(+958763)	N/A
Chr3	143283047	143283155	Chr3.120211	Pkn2(-401097),Lmo4(+922119)	N/A

Chr3	143283881	143284084	Chr3.120215	<i>Pkn2(-401979),Lmo4(+921237)</i>	N/A
Chr3	143316558	143316739	Chr3.120259	<i>Pkn2(-434645),Lmo4(+888571)</i>	N/A
Chr3	143375580	143376137	Chr3.120357	<i>Pkn2(-493845),Lmo4(+828371)</i>	N/A
Chr3	143376169	143376608	Chr3.120361	<i>Pkn2(-494355),Lmo4(+628831)</i>	N/A
Chr3	143508841	143509228	Chr3.120602	<i>Pkn2(-627031),Lmo4(+696185)</i>	N/A
Chr3	143520541	143520736	Chr3.120627	<i>Pkn2(-638635),Lmo4(+684581)</i>	N/A
Chr3	143567265	143567499	Chr3.120678	<i>Pkn2(-685378),Lmo4(+637838)</i>	N/A
Chr3	143574549	143574681	Chr3.120699	<i>Pkn2(-692611),Lmo4(+630605)</i>	N/A
Chr3	143576595	143576820	Chr3.120714	<i>Pkn2(-694704),Lmo4(+628512)</i>	N/A
Chr3	143578496	143578695	Chr3.120723	<i>Pkn2(-697592),Lmo4(+625624)</i>	N/A
Chr3	143580262	143580436	Chr3.120731	<i>Pkn2(-698345),Lmo4(+624871)</i>	N/A
Chr3	143597079	143597585	Chr3.120782	<i>Pkn2(-715328),Lmo4(+607888)</i>	N/A
Chr3	143597868	143598002	Chr3.120788	<i>Pkn2(-715931),Lmo4(+607285)</i>	N/A
Chr3	143600777	143600920	Chr3.120810	<i>Pkn2(-727845),Lmo4(+595371)</i>	N/A
Chr3	143609953	143611060	Chr3.120814	<i>Pkn2(-728031),Lmo4(+595213)</i>	N/A
Chr3	143614680	143614796	Chr3.120826	<i>Pkn2(-732724),Lmo4(+590492)</i>	N/A
Chr3	143615565	143615697	Chr3.120831	<i>Pkn2(-733627),Lmo4(+589589)</i>	N/A
Chr3	143623635	143623849	Chr3.120858	<i>Pkn2(-741738),Lmo4(+581478)</i>	N/A
Chr3	143630846	143631293	Chr3.120867	<i>Pkn2(-749066),Lmo4(+574150)</i>	N/A
Chr3	143631542	143631732	Chr3.120876	<i>Pkn2(-749633),Lmo4(+573583)</i>	N/A
Chr3	143697392	143697514	Chr3.121002	<i>Pkn2(-815449),Lmo4(+507767)</i>	N/A
Chr3	143722244	143722906	Chr3.121037	<i>Pkn2(-840571),Lmo4(+482645)</i>	N/A
Chr3	143730208	143730662	Chr3.121066	<i>Pkn2(-848431),Lmo4(+474785)</i>	N/A
Chr3	143743361	143743666	Chr3.121096	<i>Pkn2(-861510),Lmo4(+461706)</i>	N/A
Chr3	143743720	143743918	Chr3.121098	<i>Pkn2(-861815),Lmo4(+461401)</i>	N/A
Chr3	143750141	143750354	Chr3.121118	<i>Pkn2(-868244),Lmo4(+454972)</i>	N/A
Chr3	143797881	143798002	Chr3.121254	<i>Pkn2(-915938),Lmo4(+407278)</i>	N/A
Chr3	143827040	143827246	Chr3.121324	<i>Pkn2(-945139),Lmo4(+378077)</i>	N/A
Chr3	143863798	143863899	Chr3.121375	<i>Pkn2(-981845),Lmo4(+341371)</i>	N/A
Chr3	143864052	143864156	Chr3.121379	<i>Pkn2(-982101),Lmo4(+341115)</i>	N/A
Chr3	143864599	143864945	Chr3.121381	<i>Pkn2(-982718),Lmo4(+340499)</i>	N/A
Chr3	143866861	143866815	Chr3.121394	<i>Pkn2(-984734),Lmo4(+338462)</i>	N/A
Chr3	143914949	143915098	Chr3.121446	<i>Lmo4(+290196)</i>	N/A
Chr3	143948954	143949070	Chr3.121490	<i>Lmo4(+256208)</i>	N/A
Chr3	143949481	143949712	Chr3.121492	<i>Lmo4(+255623)</i>	N/A
Chr3	143949747	143949964	Chr3.121497	<i>Lmo4(+255364)</i>	N/A
Chr3	143952135	143952506	Chr3.121503	<i>Lmo4(+255899)</i>	N/A
Chr3	144009750	144009869	Chr3.121629	<i>Lmo4(+195410)</i>	N/A
Chr3	144009899	144010157	Chr3.121630	<i>Lmo4(+195192)</i>	N/A
Chr3	144010617	144010771	Chr3.121636	<i>Lmo4(+194526)</i>	N/A
Chr3	144010861	144011128	Chr3.121639	<i>Lmo4(+194225)</i>	N/A
Chr3	144011253	144012003	Chr3.121646	<i>Lmo4(+193592)</i>	N/A
Chr3	144012546	144012671	Chr3.121657	<i>Lmo4(+192511)</i>	N/A
Chr3	144012999	144013167	Chr3.121660	<i>Lmo4(+192137)</i>	N/A
Chr3	144013666	144013802	Chr3.121667	<i>Lmo4(+191486)</i>	N/A
Chr3	144014126	144014302	Chr3.121674	<i>Lmo4(+191006)</i>	N/A
Chr3	144025702	144026005	Chr3.121689	<i>Lmo4(+179366)</i>	N/A
Chr3	144025967	144026286	Chr3.121696	<i>Lmo4(+179038)</i>	N/A
Chr3	144042414	144042756	Chr3.121717	<i>Lmo4(+162635)</i>	N/A
Chr3	144052010	144052142	Chr3.121743	<i>Lmo4(+153144)</i>	N/A
Chr3	144052699	144052800	Chr3.121748	<i>Lmo4(+152470)</i>	N/A
Chr3	144070333	144070501	Chr3.121771	<i>Lmo4(+134803)</i>	N/A
Chr3	144089544	144089771	Chr3.121802	<i>Lmo4(+115652)</i>	N/A
Chr3	144089870	144090014	Chr3.121812	<i>Lmo4(+115328)</i>	N/A
Chr3	144097401	144097640	Chr3.121819	<i>Lmo4(+107699)</i>	N/A
Chr3	144098890	144099049	Chr3.121823	<i>Lmo4(+106250)</i>	N/A
Chr3	144099143	144099288	Chr3.121827	<i>Lmo4(+106004)</i>	N/A
Chr3	144107898	144107933	Chr3.121856	<i>Lmo4(+97404)</i>	N/A
Chr3	144141915	144142148	Chr3.121911	<i>Lmo4(+63188)</i>	N/A
Chr3	144163101	144163310	Chr3.121953	<i>Lmo4(+42014)</i>	N/A
Chr3	144164693	144164982	Chr3.121957	<i>Lmo4(+40382)</i>	N/A
Chr3	144185045	144185156	Chr3.122000	<i>Lmo4(+20119)</i>	N/A
Chr3	144185323	144185541	Chr3.122001	<i>Lmo4(+19788)</i>	N/A
Chr3	144185765	144185931	Chr3.122008	<i>Lmo4(+19372)</i>	N/A
Chr3	144186902	144187300	Chr3.122014	<i>Lmo4(+18119)</i>	N/A
Chr3	144189252	144189561	Chr3.122021	<i>Lmo4(+15813)</i>	N/A
Chr3	144189939	144190369	Chr3.122027	<i>Lmo4(+15066)</i>	N/A
Chr3	144191209	144191348	Chr3.122043	<i>Lmo4(+13941)</i>	N/A
Chr3	144195901	144196280	Chr3.122074	<i>Lmo4(+9139)</i>	N/A
Chr3	144196449	144196661	Chr3.122075	<i>Lmo4(+9415)</i>	N/A
Chr3	144197169	144197480	Chr3.122080	<i>Lmo4(+7890)</i>	N/A
Chr3	144197745	144198509	Chr3.122083	<i>Lmo4(+7093)</i>	N/A
Chr3	144199016	144199241	Chr3.122090	<i>Lmo4(+6091)</i>	N/A
Chr3	144200026	144200378	Chr3.122093	<i>Lmo4(+5018)</i>	N/A
Chr3	144200773	144201086	Chr3.122101	<i>Lmo4(+4290)</i>	N/A
Chr3	144201291	144201438	Chr3.122103	<i>Lmo4(+3855)</i>	N/A
Chr3	144202174	144202352	Chr3.122107	<i>Lmo4(+2957)</i>	N/A
Chr3	144202750	144202989	Chr3.122113	<i>Lmo4(+2350)</i>	N/A
Chr3	144204635	144204741	Chr3.122119	<i>Lmo4(+532)</i>	N/A
Chr3	144206413	144206570	Chr3.122124	<i>Lmo4(-1272)</i>	N/A
Chr3	144223113	144223256	Chr3.122155	<i>Lmo4(-17965),Hs2st1(+346996)</i>	N/A
Chr3	144223315	144224100	Chr3.122158	<i>Lmo4(-18488),Hs2st1(+346479)</i>	N/A
Chr3	144224911	144225055	Chr3.122168	<i>Lmo4(-19783),Hs2st1(+345198)</i>	N/A
Chr3	144229367	144229706	Chr3.122174	<i>Lmo4(-24317),Hs2st1(+340644)</i>	N/A
Chr3	144229961	144230259	Chr3.122182	<i>Lmo4(-24890),Hs2st1(+340071)</i>	N/A
Chr3	144255445	144255640	Chr3.122218	<i>Lmo4(-50323),Hs2st1(+314638)</i>	N/A
Chr3	144257454	144257652	Chr3.122231	<i>Lmo4(-52333),Hs2st1(+312654)</i>	N/A
Chr3	144257760	144257863	Chr3.122237	<i>Lmo4(-52592),Hs2st1(+312369)</i>	N/A
Chr3	144289589	144289756	Chr3.122300	<i>Lmo4(-84453),Hs2st1(+280508)</i>	N/A
Chr3	144291159	144291359	Chr3.122304	<i>Lmo4(-86039),Hs2st1(+278922)</i>	N/A
Chr3	144307495	144307808	Chr3.122319	<i>Lmo4(-102432),Hs2st1(+262529)</i>	N/A
Chr3	144318749	144318958	Chr3.122342	<i>Lmo4(-113634),Hs2st1(+251327)</i>	N/A
Chr3	144319349	144319449	Chr3.122349	<i>Lmo4(-114179),Hs2st1(+250792)</i>	N/A
Chr3	144330403	144330747	Chr3.122372	<i>Lmo4(-125355),Hs2st1(+239606)</i>	N/A
Chr3	144364397	144364560	Chr3.122428	<i>Lmo4(-159259),Hs2st1(+205702)</i>	N/A
Chr3	144365446	144365680	Chr3.122429	<i>Lmo4(-160343),Hs2st1(+204618)</i>	N/A
Chr3	144369226	144367395	Chr3.122439	<i>Lmo4(-161941),Hs2st1(+203020)</i>	N/A
Chr3	144376456	144367965	Chr3.122443	<i>Lmo4(-162491),Hs2st1(+202470)</i>	N/A
Chr3	144377274	144377702	Chr3.122463	<i>Lmo4(-172268),Hs2st1(+192693)</i>	N/A
Chr3	144377744	144377940	Chr3.122467	<i>Lmo4(-172622),Hs2st1(+192339)</i>	N/A
Chr3	144377980	144378859	Chr3.122470	<i>Lmo4(-173200),Hs2st1(+191761)</i>	N/A
Chr3	144378923	144379027	Chr3.122473	<i>Lmo4(-173755),Hs2st1(+191206)</i>	N/A
Chr3	144380909	144381036	Chr3.122483	<i>Lmo4(-175753),Hs2st1(+189208)</i>	N/A
Chr3	144382362	144382742	Chr3.122487	<i>Lmo4(-177332),Hs2st1(+187629)</i>	N/A
Chr3	144383355	144383740	Chr3.122491	<i>Lmo4(-178328),Hs2st1(+186633)</i>	N/A
Chr3	144394983	144395463	Chr3.122501	<i>Lmo4(-190003),Hs2st1(+174958)</i>	N/A
Chr3	144397109	144397272	Chr3.122513	<i>Lmo4(-191971),Hs2st1(+172990)</i>	N/A
Chr3	144405534	144405989	Chr3.122532	<i>Lmo4(-200542),Hs2st1(+164419)</i>	N/A
Chr3	144411186	144411280	Chr3.122537	<i>Lmo4(-209003),Hs2st1(+158958)</i>	N/A
Chr3	144411920	144412105	Chr3.122539	<i>Lmo4(-206793),Hs2st1(+158168)</i>	N/A
Chr3	144425234	144425411	Chr3.122546	<i>Lmo4(-220103),Hs2st1(+144858)</i>	N/A
Chr3	144428453	144428799	Chr3.122552	<i>Lmo4(-223406),Hs2st1(+141555)</i>	N/A
Chr3	144430274	144430416	Chr3.122561	<i>Lmo4(-225125),Hs2st1(+139836)</i>	N/A
Chr3	144460022	144460127	Chr3.122608	<i>Lmo4(-245855),Hs2st1(+110108)</i>	N/A
Chr3	144545702	144545839	Chr3.122661	<i>Lmo4(-340551),Hs2st1(+24410)</i>	N/A
Chr3	144577578	144577763	Chr3.122695	<i>Selenof(+7245),Sh3gib1(+142652)</i>	N/A
Chr3	144585256	144585426	Chr3.122700	<i>Selenof(+14915),Sh3gib1(+134982)</i>	N/A
Chr3	144611436	144611658	Chr3.122734	<i>Selenof(+41121),Sh3gib1(+108776)</i>	N/A
Chr3	144643300	144643498	Chr3.122751	<i>Selenof(+72973),Sh3gib1(+76924)</i>	N/A
Chr3	144654797	144655090	Chr3.122759	<i>Sh3gib1(+55379),Selenof(+94518)</i>	N/A
Chr3	144719160	144719264	Chr3.122812	<i>Sh3gib1(+1111),Selenof(+148786)</i>	N/A
Chr3	24071026	24071254	Chr3.123234	<i>Gm7536(-261906)</i>	N/A
Chr3	145168886	145168998	Chr3.123541	<i>Col24a1(-123530),Odf2l(+50353)</i>	N/A
Chr3	145211036	145211264	Chr3.123587	<i>Col24a1(-81322),Odf2l(+92561)</i>	N/A
Chr3	145217050	145217221	Chr3.123594	<i>Col24a1(-75339),Odf2l(+98547)</i>	N/A
Chr3	145217357	145217539	Chr3.123597	<i>Col24a1(-75024),Odf2l(+98559)</i>	N/A
Chr3	145237829	145237940	Chr3.123623	<i>Col24a1(-54587),Odf2l(+119296)</i>	N/A
Chr3	145242246	145242466	Chr3.123626	<i>Col24a1(-50116),Odf2l(+123767)</i>	N/A
Chr3	145292463	145292571	Chr3.123690	<i>Col24a1(+45)</i>	N/A
Chr3	145299557	145299748	Chr3.123706	<i>Znhf6(-276555),Col24a1(+7181)</i>	N/A
Chr3	145386508	145386731	Chr3.123803	<i>Znhf6(-189589),Col24a1(+94148)</i>	N/A
Chr3	145395598	145395695	Chr3.123810	<i>Znhf6(-180581),Col24a1(+10315)</i>	N/A
Chr3	145471313	145471537	Chr3.123872	<i>Znhf6(-104783),Col24a1(+178953)</i>	N/A
Chr3	145536278	145536389	Chr3.123958	<i>Znhf6(-39874),Col24a1(+243862)</i>	N/A
Chr3	145601475	145601629	Chr3.124047	<i>Znhf6(+25344),Ccn1(+48433)</i>	N/A
Chr3	145607134	145607286	Chr3.124062	<i>Znhf6(+31002),Ccn1(+42775)</i>	N/A
Chr3	145614184	145614429	Chr3.124066	<i>Ccn1(+38678),Znhf6(+38099)</i>	N/A
Chr3	145614603	145615040	Chr3.124073	<i>Ccn1(+35153),Znhf6(+38614)</i>	N/A

Chr3	145628298	145628459	Chr3.124107	Con1(+21606),Znhit6(+52171)	N/A
Chr3	145632949	145633143	Chr3.124113	Con1(+16939),Znhit6(+56838)	N/A
Chr3	145638795	145638919	Chr3.124120	Con1(+11128),Znhit6(+62649)	N/A
Chr3	145642885	145642787	Chr3.124123	Con1(+7249),Znhit6(+66528)	N/A
Chr3	145645647	145645754	Chr3.124135	Con1(+4264),Znhit6(+69493)	N/A
Chr3	145646033	145646173	Chr3.124138	Con1(+3882),Znhit6(+69895)	N/A
Chr3	145648955	145649170	Chr3.124172	Con1(+922)	N/A
Chr3	145649996	145650208	Chr3.124177	Con1(-117)	N/A
Chr3	145650689	145650809	Chr3.124183	Con1(-764)	N/A
Chr3	145651792	145652022	Chr3.124188	Con1(-1922)	N/A
Chr3	145652503	145652611	Chr3.124191	Con1(-2572)	N/A
Chr3	145681718	145681930	Chr3.124228	Ddah1(-76851),Ccn1(-31839)	N/A
Chr3	145684929	145685264	Chr3.124239	Ddah1(-73578),Ccn1(-35112)	N/A
Chr3	145692020	145692388	Chr3.124246	Ddah1(-66471),Ccn1(-42219)	N/A
Chr3	145695052	145695333	Chr3.124250	Ddah1(-63482),Ccn1(-45208)	N/A
Chr3	145703822	145703971	Chr3.124256	Ddah1(-54778),Ccn1(-53912)	N/A
Chr3	145708768	145708996	Chr3.124270	Con1(-58897),Ddah1(-49793)	N/A
Chr3	145728368	145728669	Chr3.124284	Con1(-78534),Ddah1(-30156)	N/A
Chr3	145730189	145730304	Chr3.124289	Con1(-80262),Ddah1(-28428)	N/A
Chr3	145779387	145779742	Chr3.124361	Bcl1(-144508),Ddah1(+20895)	N/A
Chr3	145790973	145791107	Chr3.124366	Bcl1(-133338),Ddah1(+32365)	N/A
Chr3	145798448	145798730	Chr3.124372	Bcl1(-125789),Ddah1(+39914)	N/A
Chr3	145802138	145802447	Chr3.124379	Bcl1(-122085),Ddah1(+43618)	N/A
Chr3	145806315	145806805	Chr3.124386	Bcl1(-117818),Ddah1(+47885)	N/A
Chr3	145810909	145811324	Chr3.124400	Bcl1(-113261),Ddah1(+52442)	N/A
Chr3	145825529	145825929	Chr3.124433	Bcl1(-98614),Ddah1(+67089)	N/A
Chr3	145827813	145828049	Chr3.124438	Bcl1(-96447),Ddah1(+69256)	N/A
Chr3	145842582	145842731	Chr3.124461	Bcl1(-81721),Ddah1(+83982)	N/A
Chr3	145864151	145864516	Chr3.124498	Bcl1(-60044),Ddah1(+105659)	N/A
Chr3	145864789	145864979	Chr3.124507	Bcl1(-59494),Ddah1(+106209)	N/A
Chr3	145885453	145885669	Chr3.124517	Bcl1(-38817),Ddah1(+126886)	N/A
Chr3	145894121	145894277	Chr3.124571	Bcl1(-30179),Ddah1(+135524)	N/A
Chr3	145938481	145938704	Chr3.124622	2410004b18rik(+579)	N/A
Chr3	145947728	145947890	Chr3.124646	Syde2(-40061),2410004b18rik(+9795)	N/A
Chr3	145971575	145971811	Chr3.124661	Syde2(-16177),2410004b18rik(+33679)	N/A
Chr3	145989730	145989838	Chr3.124685	Syde2(+1910),Wdr63(+118350)	N/A
Chr3	146274894	146274985	Chr3.125050	Ssx2ip(-129747),Lpar3(+53934)	N/A
Chr3	146315628	146315793	Chr3.125112	Ssx2ip(-88931),Lpar3(+94750)	N/A
Chr3	146318977	146319089	Chr3.125118	Ssx2ip(-85609),Lpar3(+98072)	N/A
Chr3	146375333	146375435	Chr3.125148	Ssx2ip(-29258),Lpar3(+154423)	N/A
Chr3	146380012	146380118	Chr3.125152	Ssx2ip(-24577),Lpar3(+159104)	N/A
Chr3	146386951	146387131	Chr3.125167	Ssx2ip(-17601),Lpar3(+166080)	N/A
Chr3	146405913	146406060	Chr3.125180	Ctcf(-44506),Ssx2ip(+1345)	N/A
Chr3	146564629	146564953	Chr3.125335	Rpf1(-43468),Dnase2b(+31721)	N/A
Chr3	146645641	146645782	Chr3.125463	4930503b20rik(+5605),Uox(+48635)	N/A
Chr3	146648640	146648790	Chr3.125472	4930503b20rik(+2602),Uox(+51638)	N/A
Chr3	146681715	146681902	Chr3.125522	4930503b20rik(-30492),Samd13(+3783)	N/A
Chr3	146682301	146682596	Chr3.125528	4930503b20rik(-31132),Samd13(+3131)	N/A
Chr3	146682875	146683007	Chr3.125530	4930503b20rik(-31624),Samd13(+2651)	N/A
Chr3	146723176	146723394	Chr3.125547	Samd13(-37693),Prkacb(+58131)	N/A
Chr3	146756727	146756855	Chr3.125611	Samd13(-71199),Prkacb(+24625)	N/A
Chr3	146769128	146769240	Chr3.125625	Samd13(-83592),Prkacb(+12232)	N/A
Chr3	146769913	146770420	Chr3.125630	Samd13(-84575),Prkacb(+11249)	N/A
Chr3	146770453	146770741	Chr3.125634	Samd13(-85005),Prkacb(+10819)	N/A
Chr3	146994267	146994475	Chr3.125831	TH7(+142004)	N/A
Chr3	146994519	146994745	Chr3.125833	TH7(+142265)	N/A
Chr3	147033355	147033515	Chr3.125880	TH7(+181068)	N/A
Chr3	147062071	147062171	Chr3.125907	TH7(+209754)	N/A
Chr3	147063507	147063646	Chr3.125919	TH7(+211271)	N/A
Chr3	147064028	147064309	Chr3.125924	TH7(+211847)	N/A
Chr3	147082761	147082904	Chr3.125951	TH7(+230466)	N/A
Chr3	147098258	147098440	Chr3.126029	TH7(+245982)	N/A
Chr3	147098620	147098816	Chr3.126033	TH7(+246351)	N/A
Chr3	147099197	147099341	Chr3.126039	TH7(+246902)	N/A
Chr3	147101021	147101181	Chr3.126040	TH7(+248734)	N/A
Chr3	147101319	147101515	Chr3.126052	TH7(+249050)	N/A
Chr3	147154429	147154599	Chr3.126146	TH7(+302147)	N/A
Chr3	147181007	147181305	Chr3.126238	TH7(+328789)	N/A
Chr3	147181650	147181867	Chr3.126244	TH7(+329392)	N/A
Chr3	147182262	147182377	Chr3.126249	TH7(+329953)	N/A
Chr3	147182480	147182817	Chr3.126251	TH7(+330282)	N/A
Chr3	147200558	147200810	Chr3.126278	TH7(+348317)	N/A
Chr3	147228886	147229087	Chr3.126299	TH7(+376620)	N/A
Chr3	24514930	24515106	Chr3.12631	Gm7536(+181972),Gm10259(+697702)	N/A
Chr3	147251346	147251477	Chr3.126361	TH7(+399043)	N/A
Chr3	147254218	147254531	Chr3.126380	TH7(+402008)	N/A
Chr3	147265777	147265894	Chr3.126391	TH7(+413469)	N/A
Chr3	147266549	147266705	Chr3.126395	TH7(+414260)	N/A
Chr3	147266746	147266894	Chr3.126400	TH7(+414453)	N/A
Chr3	147281198	147288324	Chr3.126445	TH7(+435894)	N/A
Chr3	147288710	147288879	Chr3.126457	TH7(+436427)	N/A
Chr3	147291681	147291881	Chr3.126467	TH7(+439414)	N/A
Chr3	147292247	147292374	Chr3.126469	TH7(+439944)	N/A
Chr3	147335222	147335589	Chr3.126508	TH7(+483039)	N/A
Chr3	147340159	147340306	Chr3.126519	TH7(+487866)	N/A
Chr3	147423070	147423381	Chr3.126664	TH7(+570859)	N/A
Chr3	147423758	147424052	Chr3.126671	TH7(+571538)	N/A
Chr3	147428908	147429157	Chr3.126680	TH7(+576666)	N/A
Chr3	147429205	147429371	Chr3.126684	TH7(+576921)	N/A
Chr3	147442960	147443076	Chr3.126703	TH7(+590651)	N/A
Chr3	147443750	147443861	Chr3.126710	TH7(+591439)	N/A
Chr3	147445991	147446306	Chr3.126719	TH7(+593782)	N/A
Chr3	147452281	147452722	Chr3.126732	TH7(+600135)	N/A
Chr3	147452947	147453179	Chr3.126739	TH7(+600696)	N/A
Chr3	147458218	147458321	Chr3.126764	TH7(+605903)	N/A
Chr3	147458445	147458726	Chr3.126766	TH7(+606219)	N/A
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Chr3	147570719	147571039	Chr3.126872	TH7(+718542)	N/A
Chr3	147572022	147572251	Chr3.126883	TH7(+719770)	N/A
Chr3	147572323	147572507	Chr3.126887	TH7(+720048)	N/A
Chr3	147617809	147617951	Chr3.126960	TH7(+765513)	N/A
Chr3	147680203	147680582	Chr3.127003	TH7(+828026)	N/A
Chr3	147707132	147707270	Chr3.127043	TH7(+854834)	N/A
Chr3	147707559	147707779	Chr3.127051	TH7(+855302)	N/A
Chr3	147750545	147750695	Chr3.127116	TH7(+898253)	N/A
Chr3	147750862	147750973	Chr3.127120	TH7(+898551)	N/A
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Chr3	147849114	147849218	Chr3.127297	TH7(+996799)	N/A
Chr3	147883045	147883383	Chr3.127332	None	N/A
Chr3	147891766	147891907	Chr3.127354	None	N/A
Chr3	147919872	147920059	Chr3.127412	None	N/A
Chr3	147930263	147930428	Chr3.127429	None	N/A
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Chr3	147930719	147931236	Chr3.127436	None	N/A
Chr3	147963593	147963922	Chr3.127457	Adgrl2(+990877)	N/A
Chr3	147966001	147966766	Chr3.127470	Adgrl2(+988251)	N/A
Chr3	147967483	147967646	Chr3.127480	Adgrl2(+987070)	N/A
Chr3	147967897	147968209	Chr3.127484	Adgrl2(+985582)	N/A
Chr3	147974514	147974778	Chr3.127495	Adgrl2(+979869)	N/A
Chr3	147981408	147981527	Chr3.127527	Adgrl2(+973167)	N/A
Chr3	147990894	147991157	Chr3.127560	Adgrl2(+963609)	N/A
Chr3	148033164	148033277	Chr3.127616	Adgrl2(+921414)	N/A
Chr3	148066757	148066949	Chr3.127659	Adgrl2(+887782)	N/A
Chr3	148114455	148114643	Chr3.127720	Adgrl2(+840086)	N/A
Chr3	148228145	148228398	Chr3.127870	Adgrl2(+728363)	N/A
Chr3	148305913	148306240	Chr3.127967	Adgrl2(+648558)	N/A
Chr3	148335112	148335259	Chr3.128034	Adgrl2(+619449)	N/A
Chr3	148336214	148336524	Chr3.128038	Adgrl2(+618266)	N/A
Chr3	148336782	148337099	Chr3.128041	Adgrl2(+617694)	N/A
Chr3	148342687	148343222	Chr3.128055	Adgrl2(+611530)	N/A
Chr3	148343272	148343439	Chr3.128059	Adgrl2(+611279)	N/A
Chr3	148343940	148344107	Chr3.128067	Adgrl2(+610611)	N/A
Chr3	148344399	148344518	Chr3.128070	Adgrl2(+610176)	N/A
Chr3	148422516	148422687	Chr3.128188	Adgrl2(+532033)	N/A
Chr3	148426507	148426669	Chr3.128204	Adgrl2(+528047)	N/A
Chr3	148448582	148448734	Chr3.128227	Adgrl2(+505971)	N/A
Chr3	148532904	148533149	Chr3.128337	Adgrl2(+421608)	N/A

Chr3	148558707	148558806	Chr3.128387	Adgrl2(+395878)	N/A
Chr3	148558868	148558969	Chr3.128390	Adgrl2(+395716)	N/A
Chr3	148559280	148559373	Chr3.128394	Adgrl2(+395319)	N/A
Chr3	148559871	148560137	Chr3.128400	Adgrl2(+394631)	N/A
Chr3	24777157	24777312	Chr3.12844	Gm10259(+435485),Gm7536(+444189)	N/A
Chr3	24778516	24778685	Chr3.12855	Gm10259(+434119),Gm7536(+445555)	N/A
Chr3	148631062	148631178	Chr3.128555	Adgrl2(+323515)	N/A
Chr3	148631799	148632000	Chr3.128559	Adgrl2(+322735)	N/A
Chr3	148641086	148641331	Chr3.128579	Adgrl2(+313426)	N/A
Chr3	148641562	148641808	Chr3.128586	Adgrl2(+312950)	N/A
Chr3	148642453	148642580	Chr3.128594	Adgrl2(+312118)	N/A
Chr3	148663041	148663176	Chr3.128629	Adgrl2(+291526)	N/A
Chr3	148663208	148663313	Chr3.128633	Adgrl2(+291374)	N/A
Chr3	148678290	148678483	Chr3.128650	Adgrl2(+276249)	N/A
Chr3	148683904	148684090	Chr3.128667	Adgrl2(+270638)	N/A
Chr3	148726960	148726958	Chr3.128716	Adgrl2(+227876)	N/A
Chr3	148729430	148729544	Chr3.128726	Adgrl2(+225148)	N/A
Chr3	148734223	148734442	Chr3.128745	Adgrl2(+220302)	N/A
Chr3	148812155	148812290	Chr3.128869	Adgrl2(+142412)	N/A
Chr3	148854368	148854619	Chr3.129037	Adgrl2(+100714)	N/A
Chr3	148863863	148864312	Chr3.129073	Adgrl2(+90547)	N/A
Chr3	148865192	148865712	Chr3.129076	Adgrl2(+89183)	N/A
Chr3	148871916	148872275	Chr3.129085	Adgrl2(+82539)	N/A
Chr3	148896294	148896399	Chr3.129123	Adgrl2(+58288)	N/A
Chr3	148896431	148896574	Chr3.129124	Adgrl2(+58132)	N/A
Chr3	148922636	148922883	Chr3.129160	Adgrl2(+318175)	N/A
Chr3	148943548	148943753	Chr3.129182	Adgrl2(+10984)	N/A
Chr3	148959687	148957263	Chr3.129217	Adgrl2(+2490)	N/A
Chr3	148958322	148958551	Chr3.129227	Adgrl2(+3802)	N/A
Chr3	148959346	148959450	Chr3.129234	Adgrl2(+4763)	N/A
Chr3	148964972	148965232	Chr3.129252	Adgrl2(+10469),Gm9912(+220391)	N/A
Chr3	148969271	148969176	Chr3.129259	Adgrl2(+14459),Gm9912(+216371)	N/A
Chr3	148977390	148977527	Chr3.129270	Adgrl2(+22824),Gm9912(+208036)	N/A
Chr3	148980856	148980960	Chr3.129280	Adgrl2(+26273),Gm9912(+204587)	N/A
Chr3	148981664	148981776	Chr3.129282	Adgrl2(+27085),Gm9912(+203775)	N/A
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Chr3	148984455	148984519	Chr3.129295	Adgrl2(+30202),Gm9912(+192755)	N/A
Chr3	148986142	148986631	Chr3.129299	Adgrl2(+31752),Gm9912(+199108)	N/A
Chr3	148986915	148987039	Chr3.129301	Adgrl2(+32342),Gm9912(+198518)	N/A
Chr3	148989639	148989821	Chr3.129311	Adgrl2(+35095),Gm9912(+195765)	N/A
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Chr3	148992861	148992799	Chr3.129333	Adgrl2(+38105),Gm9912(+196513)	N/A
Chr3	149022972	149023188	Chr3.129402	Adgrl2(+68445),Gm9912(+162415)	N/A
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Chr3	149048489	149048645	Chr3.129448	Adgrl2(+93932),Gm9912(+136928)	N/A
Chr3	149049153	149049320	Chr3.129451	Adgrl2(+94602),Gm9912(+136258)	N/A
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Chr3	149083577	149083853	Chr3.129535	Adgrl2(+129080),Gm9912(+101780)	N/A
Chr3	149085265	149085471	Chr3.129543	Adgrl2(+130733),Gm9912(+100127)	N/A
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Chr3	149102961	149103084	Chr3.129616	Adgrl2(+148388),Gm9912(+82472)	N/A
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Chr3	149190959	149191382	Chr3.129801	Gm9912(+5876),Rpsa-ps10(+862449)	N/A
Chr3	149202941	149203142	Chr3.129819	Gm9912(+17547),Rpsa-ps10(+870578)	N/A
Chr3	149217195	149217358	Chr3.129856	Gm9912(+31782),Rpsa-ps10(+856343)	N/A
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Chr3	149245148	149245277	Chr3.129906	Gm9912(+59718),Rpsa-ps10(+828407)	N/A
Chr3	149246957	149247157	Chr3.129910	Gm9912(+61562),Rpsa-ps10(+826563)	N/A
Chr3	149247336	149247696	Chr3.129914	Gm9912(+61976),Rpsa-ps10(+826149)	N/A
Chr3	149250056	149250207	Chr3.129934	Gm9912(+64637),Rpsa-ps10(+823450)	N/A
Chr3	149252460	149252611	Chr3.129946	Gm9912(+67041),Rpsa-ps10(+821084)	N/A
Chr3	149256277	149256404	Chr3.129954	Gm9912(+70846),Rpsa-ps10(+817279)	N/A
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Chr3	149258786	149258939	Chr3.129965	Gm9912(+73368),Rpsa-ps10(+814757)	N/A
Chr3	149274513	149274694	Chr3.130011	Gm9912(+89109),Rpsa-ps10(+799016)	N/A
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Chr3	149292568	149292927	Chr3.130039	Gm9912(+107253),Rpsa-ps10(+780872)	N/A
Chr3	149295445	149295621	Chr3.130055	Gm9912(+110038),Rpsa-ps10(+778087)	N/A
Chr3	149303940	149304174	Chr3.130060	Gm9912(+118562),Rpsa-ps10(+769663)	N/A
Chr3	149304732	149304842	Chr3.130063	Gm9912(+119252),Rpsa-ps10(+768833)	N/A
Chr3	149305181	149305298	Chr3.130066	Gm9912(+119745),Rpsa-ps10(+768338)	N/A
Chr3	149305666	149305934	Chr3.130071	Gm9912(+120305),Rpsa-ps10(+767820)	N/A
Chr3	149330575	149330693	Chr3.130109	Gm9912(+145139),Rpsa-ps10(+742986)	N/A
Chr3	149331367	149331698	Chr3.130119	Gm9912(+146038),Rpsa-ps10(+742087)	N/A
Chr3	149332290	149332478	Chr3.130123	Gm9912(+146889),Rpsa-ps10(+741236)	N/A
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Chr3	149359411	149359536	Chr3.130225	Gm9912(+173979),Rpsa-ps10(+714146)	N/A
Chr3	149363949	149364207	Chr3.130235	Gm9912(+175853),Rpsa-ps10(+709542)	N/A
Chr3	149387362	149387732	Chr3.130279	Gm9912(+202052),Rpsa-ps10(+686073)	N/A
Chr3	149396549	149396733	Chr3.130299	Gm9912(+211146),Rpsa-ps10(+676979)	N/A
Chr3	149407391	149407522	Chr3.130326	Gm9912(+221962),Rpsa-ps10(+666163)	N/A
Chr3	149443114	149443225	Chr3.130440	Gm9912(+256775),Rpsa-ps10(+630450)	N/A
Chr3	149444435	149444712	Chr3.130452	Gm9912(+259079),Rpsa-ps10(+629046)	N/A
Chr3	149444911	149445096	Chr3.130455	Gm9912(+259509),Rpsa-ps10(+628616)	N/A
Chr3	149445168	149445375	Chr3.130456	Gm9912(+259777),Rpsa-ps10(+628348)	N/A
Chr3	149454028	149454189	Chr3.130488	Gm9912(+268874),Rpsa-ps10(+619571)	N/A
Chr3	149498655	149497208	Chr3.130547	Gm9912(+311536),Rpsa-ps10(+676658)	N/A
Chr3	149497339	149497462	Chr3.130552	Gm9912(+311906),Rpsa-ps10(+576219)	N/A
Chr3	149519043	149519559	Chr3.130614	Gm9912(+333806),Rpsa-ps10(+554319)	N/A
Chr3	149523907	149524030	Chr3.130632	Gm9912(+338474),Rpsa-ps10(+549651)	N/A
Chr3	149588793	149588999	Chr3.130761	Gm9912(+403401),Rpsa-ps10(+484724)	N/A
Chr3	149757902	149758241	Chr3.130931	Gm9912(+572577),Rpsa-ps10(+315548)	N/A
Chr3	149825559	149825880	Chr3.131025	Gm9912(+640275),Rpsa-ps10(+247850)	N/A
Chr3	149826971	149827146	Chr3.131039	Gm9912(+641564),Rpsa-ps10(+246561)	N/A
Chr3	149836556	149837115	Chr3.131046	Gm9912(+651341),Rpsa-ps10(+236784)	N/A
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Chr3	149845594	149845712	Chr3.131064	Gm9912(+660158),Rpsa-ps10(+227967)	N/A
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Chr3	149920452	149920563	Chr3.131133	Gm9912(+735013),Rpsa-ps10(+153112)	N/A
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Chr3	150610710	150611166	Chr3.131776	Adgrl4(+826949),Rpsa-ps10(+537318)	N/A
Chr3	151219445	151219564	Chr3.132334	Adgrl4(+218382)	N/A
Chr3	151260397	151260529	Chr3.132398	Adgrl4(+177424)	N/A
Chr3	151323882	151324006	Chr3.132459	Adgrl4(+113943)	N/A
Chr3	151331125	151331255	Chr3.132474	Adgrl4(+106689)	N/A
Chr3	151331286	151331622	Chr3.132477	Adgrl4(+106433)	N/A
Chr3	151331671	151331944	Chr3.132480	Adgrl4(+106079)	N/A
Chr3	151332169	151332309	Chr3.132486	Adgrl4(+105648)	N/A
Chr3	151332403	151332657	Chr3.132488	Adgrl4(+105357)	N/A
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Chr3	151368207	151368345	Chr3.132527	Adgrl4(+71611)	N/A
Chr3	151484155	151484269	Chr3.132675	Adgrl4(+46325),Ifi44(+265698)	N/A
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Chr3	151643607	151643737	Chr3.132890	Ifi44(+106238),Adgrl4(+205785)	N/A
Chr3	151891778	151892060	Chr3.133053	Plgfr(+54289),Gipc2(+274311)	N/A
Chr3	151896399	151896556	Chr3.133062	Plgfr(+58844),Gipc2(+269756)	N/A
Chr3	151904939	151904901	Chr3.133067	Plgfr(+71935),Gipc2(+256465)	N/A
Chr3	151941901	151942084	Chr3.133076	Plgfr(+104363),Gipc2(+224237)	N/A
Chr3	152092784	152092943	Chr3.133144	Plgfr(+255234),Gipc2(+73366)	N/A
Chr3	152121179	152122412	Chr3.133165	Plgfr(+284666),Gipc2(+43934)	N/A
Chr3	152192729	152192955	Chr3.133226	Gipc2(+26612),DnaB4(+17241)	N/A
Chr3	152193654	152193860	Chr3.133231	Gipc2(+27687),DnaB4(+16286)	N/A
Chr3	152210430	152210540	Chr3.133240	DnaB4(+402),Fdup1(+27)	N/A

Chr3	152211190	152211312	Chr3.133247	<i>Dnabj4(-1168),Fulp1(+793)</i>	N/A
Chr3	152214720	152215021	Chr3.133250	<i>Dnabj4(-4788),Fulp1(+4413)</i>	N/A
Chr3	152304479	152304629	Chr3.133259	<i>Nexn(-36234),Migt1(+35853)</i>	N/A
Chr3	152306668	152306811	Chr3.133494	<i>Zzz3(+737)</i>	N/A
Chr3	152484131	152484349	Chr3.133574	<i>Zzz3(+88237),Ak5(+183900)</i>	N/A
Chr3	152484384	152484513	Chr3.133578	<i>Zzz3(+88446),Ak5(+183691)</i>	N/A
Chr3	152767413	152767596	Chr3.133744	<i>Pigk(+53392),Stgalmac5(+214741)</i>	N/A
Chr3	152767681	152767843	Chr3.133745	<i>Pigk(+53649),Stgalmac5(+214484)</i>	N/A
Chr3	152872061	152872183	Chr3.133862	<i>Stgalmac5(+110124),Pigk(+158059)</i>	N/A
Chr3	152880312	152880314	Chr3.133881	<i>Stgalmac5(+101683),Pigk(+168450)</i>	N/A
Chr3	152928635	152928762	Chr3.133944	<i>Stgalmac5(+53547),Pigk(+214586)</i>	N/A
Chr3	153083425	153083609	Chr3.134108	<i>Stgalmac5(-101271),Stgalmac3(+641545)</i>	N/A
Chr3	153084978	153085113	Chr3.134117	<i>Stgalmac5(-102800),Stgalmac3(+640016)</i>	N/A
Chr3	153225754	153225860	Chr3.134320	<i>Stgalmac5(-243561),Stgalmac3(+499255)</i>	N/A
Chr3	153242167	153242462	Chr3.134340	<i>Stgalmac5(-260069),Stgalmac3(+119587)</i>	N/A
Chr3	153252411	153252725	Chr3.134361	<i>Stgalmac5(-270322),Stgalmac3(+472494)</i>	N/A
Chr3	153260183	153260411	Chr3.134379	<i>Stgalmac5(-278051),Stgalmac3(+646765)</i>	N/A
Chr3	153261272	153261422	Chr3.134381	<i>Stgalmac5(-279101),Stgalmac3(+663715)</i>	N/A
Chr3	153277115	153277266	Chr3.134404	<i>Stgalmac5(-294945),Stgalmac3(+447871)</i>	N/A
Chr3	153277309	153277576	Chr3.134406	<i>Stgalmac5(-295197),Stgalmac3(+447619)</i>	N/A
Chr3	153292471	153292839	Chr3.134436	<i>Stgalmac5(-310409),Stgalmac3(+323407)</i>	N/A
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Chr3	153305729	153305900	Chr3.134470	<i>Stgalmac5(-323569),Stgalmac3(+419247)</i>	N/A
Chr3	153308207	153308367	Chr3.134606	<i>Stgalmac5(-416041),Stgalmac3(+326775)</i>	N/A
Chr3	153432462	153432741	Chr3.134685	<i>Stgalmac5(-450356),Stgalmac3(+292460)</i>	N/A
Chr3	153493676	153493786	Chr3.134760	<i>Stgalmac5(-511465),Stgalmac3(+231331)</i>	N/A
Chr3	153511329	153511629	Chr3.134790	<i>Stgalmac5(-529233),Stgalmac3(+213583)</i>	N/A
Chr3	153525313	153525601	Chr3.134813	<i>Stgalmac5(-543211),Stgalmac3(+199605)</i>	N/A
Chr3	153547174	153547320	Chr3.134853	<i>Stgalmac5(-565001),Stgalmac3(+177815)</i>	N/A
Chr3	153549161	153549271	Chr3.134860	<i>Stgalmac5(-566970),Stgalmac3(+175846)</i>	N/A
Chr3	153594535	153594681	Chr3.134877	<i>Stgalmac5(-582362),Stgalmac3(+162644)</i>	N/A
Chr3	153580605	153580808	Chr3.134904	<i>Stgalmac5(-598501),Stgalmac3(+144216)</i>	N/A
Chr3	153581052	153581181	Chr3.134913	<i>Stgalmac5(-598871),Stgalmac3(+143945)</i>	N/A
Chr3	153582517	153582650	Chr3.134918	<i>Stgalmac5(-600338),Stgalmac3(+142478)</i>	N/A
Chr3	153584947	153585290	Chr3.134924	<i>Stgalmac5(-602873),Stgalmac3(+139943)</i>	N/A
Chr3	153586962	153587064	Chr3.134929	<i>Stgalmac5(-604767),Stgalmac3(+138049)</i>	N/A
Chr3	153603562	153603588	Chr3.134955	<i>Stgalmac5(-623229),Stgalmac3(+1195847)</i>	N/A
Chr3	153613847	153613986	Chr3.134972	<i>Stgalmac5(-631671),Stgalmac3(+111145)</i>	N/A
Chr3	153625195	153625298	Chr3.134987	<i>Stgalmac5(-643001),Stgalmac3(+99815)</i>	N/A
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Chr3	5289008	5289039	Chr3.1350	<i>Zfh4(+70605),Pex2(+286991)</i>	N/A
Chr3	153648648	153648756	Chr3.135024	<i>Stgalmac5(-666456),Stgalmac3(+76360)</i>	N/A
Chr3	153648805	153648971	Chr3.135025	<i>Stgalmac5(-666462),Stgalmac3(+76174)</i>	N/A
Chr3	153669728	153669974	Chr3.135047	<i>Stgalmac5(-687605),Stgalmac3(+55211)</i>	N/A
Chr3	153674957	153675124	Chr3.135055	<i>Stgalmac5(-692795),Stgalmac3(+50021)</i>	N/A
Chr3	153680849	153680963	Chr3.135071	<i>Stgalmac5(-715860),Stgalmac3(+26956)</i>	N/A
Chr3	153715654	153715832	Chr3.135078	<i>Stgalmac5(-733497),Stgalmac3(+9319)</i>	N/A
Chr3	153715896	153717115	Chr3.135095	<i>Stgalmac3(-6589),5730460c07rk(+144216)</i>	N/A
Chr3	153738595	153738695	Chr3.135115	<i>Stgalmac3(-13583),5730460c07rk(+53442)</i>	N/A
Chr3	153743854	153743979	Chr3.135120	<i>Stgalmac3(-18855),5730460c07rk(+48170)</i>	N/A
Chr3	153808477	153808653	Chr3.135175	<i>Asb17(-35644),5730460c07rk(-16478)</i>	N/A
Chr3	153909868	153909991	Chr3.135268	<i>Msh4(-3792)</i>	N/A
Chr3	154091669	154091857	Chr3.135381	<i>Slc44a5(+118327),Lhx8(+238888)</i>	N/A
Chr3	154222349	154222640	Chr3.135495	<i>Lhx8(-108156),Slc44a5(+249059)</i>	N/A
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Chr3	154284433	154284648	Chr3.135626	<i>Lhx8(+46110),Slc44a5(+311105)</i>	N/A
Chr3	154306293	154306703	Chr3.135665	<i>Lhx8(+24153),Slc44a5(+333062)</i>	N/A
Chr3	154327023	154327172	Chr3.135695	<i>Lhx8(+3553),Slc44a5(+353662)</i>	N/A
Chr3	154327206	154327322	Chr3.135699	<i>Lhx8(-3387),Slc44a5(+353628)</i>	N/A
Chr3	154328872	154329118	Chr3.135702	<i>Lhx8(+1658),Slc44a5(+355593)</i>	N/A
Chr3	154329226	154329331	Chr3.135705	<i>Lhx8(+1372),Slc44a5(+355843)</i>	N/A
Chr3	154330002	154330115	Chr3.135708	<i>Lhx8(+592)</i>	N/A
Chr3	154330602	154330730	Chr3.135714	<i>Lhx8(-15)</i>	N/A
Chr3	154333195	154333546	Chr3.135720	<i>Lhx8(-2720)</i>	N/A
Chr3	154340407	154340817	Chr3.135725	<i>Lhx8(-9861),Tyw3(+256483)</i>	N/A
Chr3	154363665	154363765	Chr3.135737	<i>Lhx8(-33064),Tyw3(+233380)</i>	N/A
Chr3	154367444	154367725	Chr3.135745	<i>Lhx8(-36934),Tyw3(+229510)</i>	N/A
Chr3	154380985	154381211	Chr3.135763	<i>Lhx8(-50447),Tyw3(+215997)</i>	N/A
Chr3	154381714	154381813	Chr3.135766	<i>Lhx8(-51113),Tyw3(+215331)</i>	N/A
Chr3	154385743	154386107	Chr3.135771	<i>Lhx8(-52274),Tyw3(+211170)</i>	N/A
Chr3	154386158	154386282	Chr3.135774	<i>Lhx8(-55559),Tyw3(+210865)</i>	N/A
Chr3	154418579	154418762	Chr3.135791	<i>Lhx8(-88020),Tyw3(+178424)</i>	N/A
Chr3	154431540	154431726	Chr3.135816	<i>Lhx8(-100982),Tyw3(+165462)</i>	N/A
Chr3	154452702	154452830	Chr3.135829	<i>Lhx8(-122115),Tyw3(+144329)</i>	N/A
Chr3	154467863	154468420	Chr3.135852	<i>Lhx8(-137491),Tyw3(+128953)</i>	N/A
Chr3	154475646	154475854	Chr3.135856	<i>Lhx8(-145039),Tyw3(+121345)</i>	N/A
Chr3	154484334	154484721	Chr3.135868	<i>Lhx8(-153877),Tyw3(+112567)</i>	N/A
Chr3	154509754	154510078	Chr3.135881	<i>Lhx8(-179265),Tyw3(+87179)</i>	N/A
Chr3	154511069	154511355	Chr3.135883	<i>Lhx8(-180561),Tyw3(+85883)</i>	N/A
Chr3	154511444	154511609	Chr3.135885	<i>Lhx8(-180876),Tyw3(+85568)</i>	N/A
Chr3	154525684	154525843	Chr3.135887	<i>Lhx8(-185113),Tyw3(+71331)</i>	N/A
Chr3	154530402	154530701	Chr3.135890	<i>Lhx8(-199901),Tyw3(+66549)</i>	N/A
Chr3	154530730	154530949	Chr3.135901	<i>Lhx8(-200189),Tyw3(+66255)</i>	N/A
Chr3	154540694	154540840	Chr3.135914	<i>Lhx8(-210116),Tyw3(+56328)</i>	N/A
Chr3	154547622	154547846	Chr3.135921	<i>Lhx8(-217083),Tyw3(+49361)</i>	N/A
Chr3	154548078	154548181	Chr3.135923	<i>Lhx8(-217479),Tyw3(+48965)</i>	N/A
Chr3	154548823	154549115	Chr3.135926	<i>Lhx8(-218318),Tyw3(+48126)</i>	N/A
Chr3	154550842	154551006	Chr3.135929	<i>Lhx8(-220273),Tyw3(+46171)</i>	N/A
Chr3	154551189	154551303	Chr3.135932	<i>Lhx8(-220595),Tyw3(+45849)</i>	N/A
Chr3	154551485	154551808	Chr3.135935	<i>Lhx8(-220996),Tyw3(+45448)</i>	N/A
Chr3	154565576	154565827	Chr3.135942	<i>Lhx8(-235051),Tyw3(+31393)</i>	N/A
Chr3	154567607	154567710	Chr3.135949	<i>Lhx8(-237008),Tyw3(+29436)</i>	N/A
Chr3	154568689	154568800	Chr3.135954	<i>Lhx8(-238094),Tyw3(+28350)</i>	N/A
Chr3	154570127	154570430	Chr3.135961	<i>Lhx8(-239628),Tyw3(+26816)</i>	N/A
Chr3	154615486	154615604	Chr3.136029	<i>Erlch3(-95588),Cryz(+18346)</i>	N/A
Chr3	154646927	154647244	Chr3.136050	<i>Erlch3(-64047),Cryz(+49887)</i>	N/A
Chr3	154649427	154649592	Chr3.136055	<i>Erlch3(-61638),Cryz(+52296)</i>	N/A
Chr3	154665051	154665166	Chr3.136070	<i>Erlch3(-48024),Cryz(+67910)</i>	N/A
Chr3	5326616	5327134	Chr3.1362	<i>Zfh4(+108321),Pex2(+249275)</i>	N/A
Chr3	154780877	154781075	Chr3.136273	<i>Erlch3(+18819),Tnn3k(+274431)</i>	N/A
Chr3	154781132	154781385	Chr3.136275	<i>Erlch3(+19102),Tnn3k(+274148)</i>	N/A
Chr3	154806726	154806973	Chr3.136324	<i>Erlch3(+44693),Tnn3k(+248557)</i>	N/A
Chr3	5327274	5327465	Chr3.1365	<i>Zfh4(+108816),Pex2(+248780)</i>	N/A
Chr3	154927705	154927972	Chr3.136527	<i>Tnn3k(+127568),Erlch3(+165682)</i>	N/A
Chr3	155408995	155409157	Chr3.136973	<i>Lrrk3(+315642)</i>	N/A
Chr3	155459901	155460016	Chr3.137011	<i>Lrrk3(+366525)</i>	N/A
Chr3	155461954	155462250	Chr3.137017	<i>Lrrk3(+386668)</i>	N/A
Chr3	5327751	5327859	Chr3.1373	<i>Zfh4(+109251),Pex2(+248345)</i>	N/A
Chr3	156300481	156300626	Chr3.137801	<i>Negr1(-261240)</i>	N/A
Chr3	156305210	156305378	Chr3.137826	<i>Negr1(-266500)</i>	N/A
Chr3	156562579	156562731	Chr3.137838	<i>Negr1(+861)</i>	N/A
Chr3	5328282	5328518	Chr3.1379	<i>Zfh4(+109846),Pex2(+247750)</i>	N/A
Chr3	5328992	5329118	Chr3.1381	<i>Zfh4(+110501),Pex2(+247095)</i>	N/A
Chr3	156858190	156858411	Chr3.138138	<i>Negr1(+296507),4930566n20rk(+330559)</i>	N/A
Chr3	156870550	156870811	Chr3.138155	<i>Negr1(+308937),4930566n20rk(+338129)</i>	N/A
Chr3	156962815	156962967	Chr3.138319	<i>4930566n20rk(+215969),Negr1(+431097)</i>	N/A
Chr3	157000357	157000502	Chr3.138326	<i>4930566n20rk(+208430),Negr1(+438636)</i>	N/A
Chr3	157031914	157032103	Chr3.138380	<i>4930566n20rk(+178851),Negr1(+470215)</i>	N/A
Chr3	157106109	157106266	Chr3.138476	<i>4930566n20rk(+102672),Negr1(+544394)</i>	N/A
Chr3	157115204	157115504	Chr3.138496	<i>4930566n20rk(+93475),Negr1(+553590)</i>	N/A
Chr3	157152464	157153383	Chr3.138550	<i>4930566n20rk(+53653),Negr1(+593503)</i>	N/A
Chr3	157189088	157189498	Chr3.138608	<i>4930566n20rk(+19567),Negr1(+627499)</i>	N/A
Chr3	157217963	157218080	Chr3.138638	<i>Zranb2(-316375),4930566n20rk(-9162)</i>	N/A
Chr3	157233399	157233544	Chr3.138674	<i>Zranb2(-300925),4930566n20rk(-24612)</i>	N/A
Chr3	157321005	157321156	Chr3.138779	<i>Zranb2(-213315),4930566n20rk(-112222)</i>	N/A
Chr3	157321464	157321578	Chr3.138801	<i>Zranb2(-212878),4930566n20rk(-112661)</i>	N/A
Chr3	157358437	157358605	Chr3.138860	<i>Zranb2(-175876),4930566n20rk(-146661)</i>	N/A
Chr3	5330075	5330446	Chr3.1389	<i>Zfh4(+111707),Pex2(+245889)</i>	N/A
Chr3	157427281	157427422	Chr3.138916	<i>4930566n20rk(-218492),Zranb2(-107045)</i>	N/A
Chr3	5330487	5330712	Chr3.1390	<i>Zfh4(+112046),Pex2(+245550)</i>	N/A
Chr3	157581285	157581427	Chr3.139088	<i>Ptger3(+14464),Ch(+343721)</i>	N/A
Chr3	5330771	5331003	Chr3.1393	<i>Zfh4(+112333),Pex2(+245863)</i>	N/A
Chr3	158559645	158559804	Chr3.139743	<i>Lrrc7(+24983),Lrrc40(+523063)</i>	N/A
Chr3	159030768	159030891	Chr3.139945	<i>Lrrc7(-468609),Depdc1a(-464603)</i>	N/A
Chr3	159840112	159840347	Chr3.140257	<i>Wls(+493)</i>	N/A
Chr3	159841556	159841714	Chr3.140260	<i>Wls(+1898)</i>	N/A
Chr3	159885371	159885547	Chr3.140323	<i>Wls(+45722)</i>	N/A
Chr3	159886100	159886271	Chr3.140328	<i>Wls(+46449)</i>	

Chr3	159890115	159890430	Chr3.140333	Wls(+50536)	N/A
Chr3	159917880	159918010	Chr3.140370	Wls(+78208)	N/A
Chr3	159918205	159918359	Chr3.140373	Wls(+78549)	N/A
Chr3	26153331	26153779	Chr3.14083	A830092h15nk(-177495),Mlgn1(-19921)	N/A
Chr3	26153871	26154019	Chr3.14085	A830092h15nk(-177205),Mlgn1(-20211)	N/A
Chr3	5333325	5333608	Chr3.1409	Zfx4(+114913),Pex2(+242683)	N/A
Chr3	26216376	26216674	Chr3.14139	A830092h15nk(-114625),Mlgn1(-82791)	N/A
Chr3	26330959	26331148	Chr3.14247	A830092h15nk(-96)	N/A
Chr3	26332914	26332914	Chr3.14258	Spata16(-304805),A830092h15nk(+1665)	N/A
Chr3	26834405	26834523	Chr3.14489	Spata16(+166844),Ect2(+19397)	N/A
Chr3	26981611	26981711	Chr3.14654	Ect2(+172200),Spata16(+344041)	N/A
Chr3	27472575	27472761	Chr3.15082	Ghsr(+101317),Fndc3b(+237771)	N/A
Chr3	27479366	27479571	Chr3.15090	Ghsr(+108118),Fndc3b(+230970)	N/A
Chr3	27520486	27520722	Chr3.15142	Ghsr(+149253),Fndc3b(+189835)	N/A
Chr3	27523468	27523725	Chr3.15148	Ghsr(+152246),Fndc3b(+186942)	N/A
Chr3	27530658	27530766	Chr3.15158	Ghsr(+159361),Fndc3b(+170727)	N/A
Chr3	27573567	27573871	Chr3.15207	Fndc3b(+136720),Ghsr(+202368)	N/A
Chr3	27580367	27580527	Chr3.15213	Fndc3b(+129992),Ghsr(+209096)	N/A
Chr3	27604041	27604173	Chr3.15239	Fndc3b(+106332),Ghsr(+232756)	N/A
Chr3	27607138	27604866	Chr3.15344	Fndc3b(+105637),Ghsr(+233451)	N/A
Chr3	27608919	27607684	Chr3.15249	Fndc3b(+102847),Ghsr(+236241)	N/A
Chr3	27607838	27607957	Chr3.15252	Fndc3b(+102541),Ghsr(+236547)	N/A
Chr3	27610608	27610886	Chr3.15256	Fndc3b(+99692),Ghsr(+239396)	N/A
Chr3	27616690	27616918	Chr3.15271	Fndc3b(+93635),Ghsr(+245453)	N/A
Chr3	27617012	27617144	Chr3.15276	Fndc3b(+93361),Ghsr(+245727)	N/A
Chr3	27631202	27631702	Chr3.15290	Fndc3b(+78987),Ghsr(+260101)	N/A
Chr3	27648415	27648559	Chr3.15313	Fndc3b(+61952),Ghsr(+277136)	N/A
Chr3	27651805	27652106	Chr3.15317	Fndc3b(+58483),Ghsr(+280605)	N/A
Chr3	27654656	27654761	Chr3.15322	Fndc3b(+55730),Ghsr(+283358)	N/A
Chr3	27655489	27655840	Chr3.15324	Fndc3b(+54774),Ghsr(+284314)	N/A
Chr3	27659869	27659966	Chr3.15332	Fndc3b(+53620),Ghsr(+285558)	N/A
Chr3	27657016	27657175	Chr3.15334	Fndc3b(+53343),Ghsr(+285745)	N/A
Chr3	27670498	27670814	Chr3.15352	Fndc3b(+39763),Ghsr(+299305)	N/A
Chr3	27671076	27671266	Chr3.15356	Fndc3b(+39268),Ghsr(+299820)	N/A
Chr3	27677722	27677909	Chr3.15358	Fndc3b(+32623),Ghsr(+306465)	N/A
Chr3	27686819	27687081	Chr3.15377	Fndc3b(+23489),Ghsr(+315599)	N/A
Chr3	27690290	27690393	Chr3.15384	Fndc3b(+20097),Ghsr(+318991)	N/A
Chr3	27694618	27694788	Chr3.15391	Fndc3b(+15736),Ghsr(+323352)	N/A
Chr3	27694822	27694945	Chr3.15392	Fndc3b(+15555),Ghsr(+323533)	N/A
Chr3	27695499	27695630	Chr3.15396	Fndc3b(+14874),Ghsr(+324214)	N/A
Chr3	27698409	27698598	Chr3.15399	Fndc3b(+11935),Ghsr(+327153)	N/A
Chr3	27708798	27709034	Chr3.15405	Fndc3b(+1523),Ghsr(+337565)	N/A
Chr3	5360319	5360611	Chr3.1541	Zfx4(+141811),Pex2(+215685)	N/A
Chr3	27709637	27709812	Chr3.15412	Fndc3b(+714)	N/A
Chr3	27709853	27709963	Chr3.15415	Fndc3b(+531)	N/A
Chr3	27758959	27759275	Chr3.15431	Fndc3b(-48678),Tmem212(+137251)	N/A
Chr3	27766032	27766033	Chr3.15441	Fndc3b(-55743),Tmem212(+130186)	N/A
Chr3	27769427	27769535	Chr3.15443	Fndc3b(-56042),Tmem212(+129887)	N/A
Chr3	27778850	27779034	Chr3.15451	Fndc3b(-68503),Tmem212(+117426)	N/A
Chr3	27782136	27782473	Chr3.15457	Fndc3b(-71866),Tmem212(+114063)	N/A
Chr3	5360816	5361084	Chr3.1546	Zfx4(+142396),Pex2(+215200)	N/A
Chr3	27791670	27791855	Chr3.15484	Fndc3b(-81324),Tmem212(+104605)	N/A
Chr3	27854652	27854813	Chr3.15501	Fndc3b(-144294),Tmem212(+141633)	N/A
Chr3	27854844	27854975	Chr3.15504	Fndc3b(-144471),Tmem212(+141458)	N/A
Chr3	27858362	27858524	Chr3.15511	Fndc3b(-148004),Tmem212(+37925)	N/A
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Chr3	27862874	27863048	Chr3.15527	Fndc3b(-152522),Tmem212(+33407)	N/A
Chr3	27863360	27863702	Chr3.15532	Fndc3b(-153092),Tmem212(+32837)	N/A
Chr3	27888543	27888672	Chr3.15579	Fndc3b(-178169),Tmem212(+17760)	N/A
Chr3	27888554	27890006	Chr3.15582	Fndc3b(-178491),Tmem212(+7438)	N/A
Chr3	27896601	27896788	Chr3.15596	Tmem212(-327)	N/A
Chr3	27898350	27898519	Chr3.15598	Tmem212(-2067)	N/A
Chr3	27899625	27899798	Chr3.15605	Tmem212(-3344)	N/A
Chr3	27949467	27949576	Chr3.15638	Trnk(-298947),Ptd1(+26321)	N/A
Chr3	28264569	28264683	Chr3.15870	Slc2a2(-433292),Trnk(+1948)	N/A
Chr3	28266030	28266289	Chr3.15880	Slc2a2(-431743),Trnk(+2597)	N/A
Chr3	28360154	28360334	Chr3.15965	Slc2a2(-337659),Trnk(+96681)	N/A
Chr3	28401528	28401751	Chr3.15992	Slc2a2(-296263),Trnk(+138077)	N/A
Chr3	28405505	28405684	Chr3.16000	Slc2a2(-292308),Trnk(+142032)	N/A
Chr3	28408401	28408604	Chr3.16007	Slc2a2(-289369),Trnk(+144960)	N/A
Chr3	28408862	28409888	Chr3.16010	Slc2a2(-289579),Trnk(+145362)	N/A
Chr3	28487630	28487745	Chr3.16092	Slc2a2(-210215),Trnk(+224125)	N/A
Chr3	28549487	28549662	Chr3.16158	Slc2a2(-148328),Trnk(+286012)	N/A
Chr3	28781108	28781247	Chr3.16520	Elfa2(-133)	N/A
Chr3	29184042	29184204	Chr3.16822	Egflm1(+101390),Mecm(+829033)	N/A
Chr3	29432231	29432365	Chr3.17071	Egflm1(+349585),Mecm(+580858)	N/A
Chr3	29485046	29485162	Chr3.17152	Egflm1(+402371),Mecm(+528052)	N/A
Chr3	29735833	29736264	Chr3.17459	Mecm(+277107),Egflm1(+653316)	N/A
Chr3	29756593	29756757	Chr3.17498	Mecm(+256481),Egflm1(+673942)	N/A
Chr3	29759186	29759186	Chr3.17510	Mecm(+255078),Egflm1(+675345)	N/A
Chr3	29812694	29812945	Chr3.17578	Mecm(+200341),Egflm1(+730052)	N/A
Chr3	29813420	29813614	Chr3.17586	Mecm(+196539),Egflm1(+730734)	N/A
Chr3	29984165	29984286	Chr3.17854	Mecm(+28930),Egflm1(+901493)	N/A
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Chr3	30009750	30009919	Chr3.17939	Mecm(+3321),Egflm1(+927102)	N/A
Chr3	30011526	30011648	Chr3.17947	Mecm(+1569),Egflm1(+928854)	N/A
Chr3	30011698	30012058	Chr3.17949	Mecm(+1278),Egflm1(+929145)	N/A
Chr3	30012172	30012327	Chr3.17952	Mecm(+906)	N/A
Chr3	30012725	30012826	Chr3.17954	Mecm(+380)	N/A
Chr3	30012884	30012990	Chr3.17955	Mecm(+219)	N/A
Chr3	30013148	30013376	Chr3.17956	Mecm(-106)	N/A
Chr3	30016102	30016370	Chr3.17966	Mecm(-3080)	N/A
Chr3	30018192	30018568	Chr3.17973	Mecm(-5224),Gm10258(+251567)	N/A
Chr3	30019999	30020104	Chr3.17982	Mecm(-6896),Gm10258(+249895)	N/A
Chr3	30022659	30022782	Chr3.17987	Mecm(-9565),Gm10258(+247226)	N/A
Chr3	30044552	30044688	Chr3.18016	Mecm(-31464),Gm10258(+225327)	N/A
Chr3	30069610	30069984	Chr3.18066	Mecm(-56641),Gm10258(+200150)	N/A
Chr3	30078945	30078812	Chr3.18104	Mecm(-63073),Gm10258(+193219)	N/A
Chr3	30079129	30079357	Chr3.18111	Mecm(-66087),Gm10258(+190704)	N/A
Chr3	30080658	30080828	Chr3.18119	Mecm(-67587),Gm10258(+189204)	N/A
Chr3	30080893	30081019	Chr3.18122	Mecm(-67800),Gm10258(+188991)	N/A
Chr3	5416374	5416502	Chr3.1815	Pex2(+159712),Zfx4(+197884)	N/A
Chr3	5416930	5417121	Chr3.1816	Pex2(+159124),Zfx4(+198472)	N/A
Chr3	30103900	30104322	Chr3.18196	Mecm(-90955),Gm10258(+155836)	N/A
Chr3	30113312	30113419	Chr3.18232	Mecm(-100210),Gm10258(+156581)	N/A
Chr3	30144193	30144548	Chr3.18288	Mecm(-131215),Gm10258(+125576)	N/A
Chr3	30151643	30151863	Chr3.18320	Mecm(-138597),Gm10258(+118194)	N/A
Chr3	30153388	30153502	Chr3.18331	Mecm(-140289),Gm10258(+116502)	N/A
Chr3	30163654	30163798	Chr3.18353	Mecm(-150570),Gm10258(+106221)	N/A
Chr3	30173890	30173990	Chr3.18384	Mecm(-160769),Gm10258(+96022)	N/A
Chr3	30187988	30188404	Chr3.18419	Mecm(-175040),Gm10258(+81751)	N/A
Chr3	30192829	30193238	Chr3.18438	Mecm(-179878),Gm10258(+76913)	N/A
Chr3	30207528	30208078	Chr3.18478	Mecm(-194647),Gm10258(+62144)	N/A
Chr3	30212540	30212644	Chr3.18500	Mecm(-194936),Gm10258(+57355)	N/A
Chr3	30212823	30213007	Chr3.18502	Mecm(-199759),Gm10258(+57032)	N/A
Chr3	30213579	30213691	Chr3.18505	Mecm(-200479),Gm10258(+56312)	N/A
Chr3	30213754	30213873	Chr3.18506	Mecm(-200658),Gm10258(+56133)	N/A
Chr3	30214011	30214274	Chr3.18509	Mecm(-200987),Gm10258(+55804)	N/A
Chr3	30219226	30219952	Chr3.18527	Mecm(-206433),Gm10258(+50358)	N/A
Chr3	30220503	30220603	Chr3.18536	Mecm(-207397),Gm10258(+49394)	N/A
Chr3	30220874	30221305	Chr3.18539	Mecm(-207834),Gm10258(+48657)	N/A
Chr3	30227231	30227452	Chr3.18552	Mecm(-214186),Gm10258(+42605)	N/A
Chr3	30227855	30228726	Chr3.18567	Mecm(-215135),Gm10258(+41656)	N/A
Chr3	30243896	30244122	Chr3.18613	Mecm(-230853),Gm10258(+25938)	N/A
Chr3	30244371	30244761	Chr3.18616	Mecm(-231410),Gm10258(+25381)	N/A
Chr3	30244922	30244928	Chr3.18622	Mecm(-231719),Gm10258(+25072)	N/A
Chr3	30246891	30247074	Chr3.18642	Mecm(-233827),Gm10258(+22964)	N/A
Chr3	30254609	30254762	Chr3.18660	Mecm(-241530),Gm10258(+15261)	N/A
Chr3	30257499	30257691	Chr3.18666	Mecm(-244439),Gm10258(+12352)	N/A
Chr3	30257729	30257887	Chr3.18668	Mecm(-244652),Gm10258(+12139)	N/A
Chr3	30258108	30258330	Chr3.18670	Mecm(-245063),Gm10258(+11728)	N/A
Chr3	30259451	30259727	Chr3.18673	Mecm(-245433),Gm10258(+11358)	N/A
Chr3	30261153	30261578	Chr3.18683	Mecm(-248210),Gm10258(+8581)	N/A
Chr3	30274218	30274679	Chr3.18712	Gm10258(-4502)	N/A
Chr3	30296284	30296409	Chr3.18774	Gm10258(-26400),Actr13(+303592)	N/A
Chr3	30301121	30301333	Chr3.18786	Gm10258(-31280),Actr13(+299712)	N/A
Chr3	30336588	30336533	Chr3.18880	Gm10258(-65464),Actr13(+264583)	N/A
Chr3	30372349	30372458	Chr3.18924	Gm10258(-102457),Actr13(+227535)	N/A

Chr3	30372696	30372802	Chr3.18926	Gm10258(-102802),Actr3(+227190)	N/A
Chr3	30392353	30392569	Chr3.18952	Gm10258(-122514),Actr3(+207478)	N/A
Chr3	30392611	30392718	Chr3.18955	Gm10258(-122718),Actr3(+207478)	N/A
Chr3	30413221	30413274	Chr3.19002	Gm10258(-143201),Actr3(+186719)	N/A
Chr3	30416397	30416949	Chr3.19032	Gm10258(-146726),Actr3(+183266)	N/A
Chr3	30418979	30419141	Chr3.19035	Gm10258(-149113),Actr3(+180879)	N/A
Chr3	30420507	30420654	Chr3.19038	Gm10258(-150634),Actr3(+179358)	N/A
Chr3	30436306	30436468	Chr3.19076	Gm10258(-166440),Actr3(+163552)	N/A
Chr3	30453584	30453907	Chr3.19113	Gm10258(-183799),Actr3(+146193)	N/A
Chr3	30453943	30454158	Chr3.19116	Gm10258(-184103),Actr3(+145889)	N/A
Chr3	30458182	30458388	Chr3.19124	Gm10258(-188338),Actr3(+141654)	N/A
Chr3	30465509	30466753	Chr3.19149	Gm10258(-196684),Actr3(+133308)	N/A
Chr3	30470677	30470814	Chr3.19163	Gm10258(-200799),Actr3(+129193)	N/A
Chr3	30470862	30470976	Chr3.19167	Gm10258(-200972),Actr3(+129020)	N/A
Chr3	30478504	30478618	Chr3.19192	Gm10258(-208614),Actr3(+121378)	N/A
Chr3	30480721	30480871	Chr3.19198	Gm10258(-210849),Actr3(+19143)	N/A
Chr3	30484132	30484283	Chr3.19200	Gm10258(-214261),Actr3(+115731)	N/A
Chr3	30503941	30504241	Chr3.19253	Gm10258(-234144),Actr3(+95848)	N/A
Chr3	30506980	30507107	Chr3.19269	Gm10258(-237097),Actr3(+92895)	N/A
Chr3	30509377	30509501	Chr3.19279	Gm10258(-239492),Actr3(+90500)	N/A
Chr3	30509644	30509846	Chr3.19281	Gm10258(-239809),Actr3(+90183)	N/A
Chr3	30510662	30510837	Chr3.19285	Gm10258(-240803),Actr3(+89189)	N/A
Chr3	30513145	30513517	Chr3.19292	Gm10258(-243384),Actr3(+86608)	N/A
Chr3	30513553	30513840	Chr3.19294	Gm10258(-243750),Actr3(+86242)	N/A
Chr3	30513933	30514180	Chr3.19295	Gm10258(-244110),Actr3(+85882)	N/A
Chr3	30515321	30515430	Chr3.19300	Gm10258(-245429),Actr3(+84563)	N/A
Chr3	30524116	30524253	Chr3.19308	Gm10258(-254238),Actr3(+75754)	N/A
Chr3	30547129	30547286	Chr3.19325	Gm10258(-277261),Actr3(+52731)	N/A
Chr3	30602585	30602701	Chr3.19408	Actr3(-2704),Mynn(+556)	N/A
Chr3	30998704	30998910	Chr3.19807	Skil(-96254),Prkci(-3060)	N/A
Chr3	31070943	31071074	Chr3.19874	Skil(-24502),Prkci(-75262)	N/A
Chr3	31093216	31093413	Chr3.19888	Skil(-1748)	N/A
Chr3	31096058	31096248	Chr3.19892	Cldn11(-53793),Skil(+1092)	N/A
Chr3	31096577	31096742	Chr3.19898	Cldn11(-53286),Skil(+1599)	N/A
Chr3	31160087	31160319	Chr3.20005	Cldn11(+10257),Slc7a14(+150175)	N/A
Chr3	31166495	31166880	Chr3.20040	Cldn11(+16736),Slc7a14(+143698)	N/A
Chr3	31199214	31199380	Chr3.20047	Cldn11(+49351),Slc7a14(+111081)	N/A
Chr3	31208104	31208219	Chr3.20066	Cldn11(+58216),Slc7a14(+102216)	N/A
Chr3	31208917	31209043	Chr3.20071	Cldn11(+59034),Slc7a14(+101398)	N/A
Chr3	31212614	31212805	Chr3.20079	Cldn11(+62764),Slc7a14(+97668)	N/A
Chr3	31217731	31217875	Chr3.20086	Cldn11(+67857),Slc7a14(+92575)	N/A
Chr3	31229454	31229662	Chr3.20130	Cldn11(+79562),Slc7a14(+80870)	N/A
Chr3	31233919	31234081	Chr3.20143	Slc7a14(+76378),Cldn11(+84054)	N/A
Chr3	31236073	31236262	Chr3.20148	Slc7a14(+74210),Cldn11(+86222)	N/A
Chr3	31257943	31258055	Chr3.20184	Slc7a14(+52379),Cldn11(+108053)	N/A
Chr3	31903120	31903292	Chr3.20381	Kcnmb2(+503)	N/A
Chr3	31955136	31955329	Chr3.20424	Kcnmb2(+52530),Zmat3(+410445)	N/A
Chr3	31990658	31990804	Chr3.20447	Kcnmb2(+86028),Zmat3(+374947)	N/A
Chr3	32067365	32067604	Chr3.20522	Kcnmb2(+164782),Zmat3(+298193)	N/A
Chr3	32265969	32266231	Chr3.20659	Zmat3(+99578),Kcnmb2(+363397)	N/A
Chr3	32334796	32334937	Chr3.20701	Zmat3(+30811),Kcnmb2(+432164)	N/A
Chr3	32339164	32339298	Chr3.20716	Zmat3(+26447),Kcnmb2(+436528)	N/A
Chr3	32364242	32364378	Chr3.20758	4930429621nk(-1465),Zmat3(+1368)	N/A
Chr3	32397115	32397232	Chr3.20770	Plk3ca(-38977),4930429621nk(+51399)	N/A
Chr3	32403465	32403589	Chr3.20785	Plk3ca(-32824),4930429621nk(+37752)	N/A
Chr3	32403777	32403890	Chr3.20787	Plk3ca(-32317),4930429621nk(-38059)	N/A
Chr3	32421555	32421808	Chr3.20792	Plk3ca(-14469),4930429621nk(+55907)	N/A
Chr3	32617342	32617535	Chr3.21028	Gnb4(-854)	N/A
Chr3	32662444	32663559	Chr3.21048	Gnb4(-32717),Actl6a(-39244)	N/A
Chr3	32818720	32818847	Chr3.21128	Usp13(-12358),Pex5(+26245)	N/A
Chr3	32949908	32950266	Chr3.21266	Usp13(+132541),Pex5(+132942)	N/A
Chr3	33082737	33082969	Chr3.21492	Pex5(+176)	N/A
Chr3	33082998	33083140	Chr3.21494	Pex5(-40)	N/A
Chr3	33142533	33142676	Chr3.21588	Ttc14(-657846),Pex3(-59576)	N/A
Chr3	33873447	33873784	Chr3.21961	Cdc39(-39315),Gm979(+131895)	N/A
Chr3	34021103	34021203	Chr3.22061	Fxr1(+1074),Dnajc19(+60159)	N/A
Chr3	6103759	6103981	Chr3.2218	Pex2(-527720),1700008p02nk(+516573)	N/A
Chr3	34164483	34164588	Chr3.22200	Sax2(-485469),Dnajc19(-83224)	N/A
Chr3	34196881	34197023	Chr3.22217	Sax2(-453053),Dnajc19(-115640)	N/A
Chr3	6104612	6105204	Chr3.2225	Pex2(-528758),1700008p02nk(+515535)	N/A
Chr3	6105744	6106025	Chr3.22226	Pex2(-529735),1700008p02nk(+514558)	N/A
Chr3	34297660	34297811	Chr3.22307	Sax2(-352269),Dnajc19(-216424)	N/A
Chr3	6106112	6106312	Chr3.22331	Pex2(-530062),1700008p02nk(+514231)	N/A
Chr3	6106688	6106831	Chr3.22334	Pex2(-530610),1700008p02nk(+513683)	N/A
Chr3	34322747	34322906	Chr3.22360	Sax2(-327177),Dnajc19(-241516)	N/A
Chr3	61074119	6107715	Chr3.2239	Pex2(-551471),1700008p02nk(+512876)	N/A
Chr3	34377476	34377717	Chr3.22416	Dnajc19(-296285),Sax2(-272408)	N/A
Chr3	6110618	6110979	Chr3.2244	Pex2(-534649),1700008p02nk(+509644)	N/A
Chr3	34423420	34423570	Chr3.22491	Dnajc19(-342183),Sax2(-226510)	N/A
Chr3	6112393	6112751	Chr3.2250	Pex2(-536422),1700008p02nk(+507871)	N/A
Chr3	34441122	34441317	Chr3.22526	Dnajc19(-359908),Sax2(-208785)	N/A
Chr3	34441776	34442043	Chr3.22533	Dnajc19(-360598),Sax2(-208959)	N/A
Chr3	34443749	34444235	Chr3.22545	Dnajc19(-362680),Sax2(-209013)	N/A
Chr3	34444282	34444609	Chr3.22547	Dnajc19(-363134),Sax2(-205559)	N/A
Chr3	34451772	34451749	Chr3.22551	Dnajc19(-364149),Sax2(-204544)	N/A
Chr3	34547010	34457296	Chr3.22562	Dnajc19(-375841),Sax2(-192852)	N/A
Chr3	34560329	34560650	Chr3.22671	Dnajc19(-479178),Sax2(-89515)	N/A
Chr3	34560716	34560872	Chr3.22674	Dnajc19(-479482),Sax2(-89211)	N/A
Chr3	34561689	34562052	Chr3.22679	Dnajc19(-480559),Sax2(-88134)	N/A
Chr3	34576317	34576453	Chr3.22698	Dnajc19(-495073),Sax2(-73620)	N/A
Chr3	34584028	34584312	Chr3.22715	Dnajc19(-502858),Sax2(-65835)	N/A
Chr3	34630847	34630950	Chr3.22764	Dnajc19(-549587),Sax2(-19106)	N/A
Chr3	34637666	34637788	Chr3.22767	Dnajc19(-556415),Sax2(-122716)	N/A
Chr3	34637901	34638225	Chr3.22770	Dnajc19(-556751),Sax2(-11942)	N/A
Chr3	34638436	34638678	Chr3.22772	Dnajc19(-557245),Sax2(-11448)	N/A
Chr3	34638784	34638944	Chr3.22774	Dnajc19(-557552),Sax2(-11141)	N/A
Chr3	34639913	34640171	Chr3.22779	Dnajc19(-558730),Sax2(-9963)	N/A
Chr3	34643238	34643419	Chr3.22795	Dnajc19(-562017),Sax2(-8678)	N/A
Chr3	34643485	34643598	Chr3.22796	Dnajc19(-562230),Sax2(-6463)	N/A
Chr3	34648543	34648765	Chr3.22820	Sax2(-1351)	N/A
Chr3	34649878	34650050	Chr3.22823	Sax2(-41)	N/A
Chr3	34651568	34651976	Chr3.22834	Sax2(+1767)	N/A
Chr3	34652329	34652521	Chr3.22839	Sax2(+2420)	N/A
Chr3	34652809	34652745	Chr3.22841	Sax2(-2872)	N/A
Chr3	34652879	34653047	Chr3.22844	Sax2(+2958)	N/A
Chr3	34653153	34653362	Chr3.22845	Sax2(+3253)	N/A
Chr3	34654008	34654196	Chr3.22849	Sax2(+4097)	N/A
Chr3	34654800	34654995	Chr3.22855	Sax2(+4893)	N/A
Chr3	34655036	34655171	Chr3.22858	Sax2(+5099)	N/A
Chr3	34655871	34656073	Chr3.22861	Sax2(+5987)	N/A
Chr3	34659167	34659377	Chr3.22870	Sax2(+9267)	N/A
Chr3	34659864	34660229	Chr3.22878	Sax2(+10042)	N/A
Chr3	34660400	34660614	Chr3.22880	Sax2(+10502)	N/A
Chr3	34661291	34661444	Chr3.22887	Sax2(+11363)	N/A
Chr3	34661898	34662213	Chr3.22890	Sax2(+12051)	N/A
Chr3	34662270	34662404	Chr3.22892	Sax2(+12332)	N/A
Chr3	34662814	34662958	Chr3.22896	Sax2(+12881)	N/A
Chr3	34663294	34663536	Chr3.22898	Sax2(+13410)	N/A
Chr3	34664230	34664425	Chr3.22900	Sax2(+14323)	N/A
Chr3	34665196	34665479	Chr3.22906	Sax2(+15333)	N/A
Chr3	34665527	34665635	Chr3.22907	Sax2(+15578)	N/A
Chr3	34666429	34666658	Chr3.22915	Sax2(+16539)	N/A
Chr3	34667797	34668141	Chr3.22925	Sax2(+17964)	N/A
Chr3	34671617	34671819	Chr3.22938	Sax2(+21713)	N/A
Chr3	34678810	34679214	Chr3.22957	Sax2(+29007)	N/A
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Chr3	34722621	34722745	Chr3.23003	Sax2(+72678)	N/A
Chr3	34747475	34747819	Chr3.23014	Sax2(+97642)	N/A
Chr3	34771311	34774338	Chr3.23043	Altp11b(-979899),Sax2(+124230)	N/A
Chr3	34793957	34794081	Chr3.23058	Altp11b(-960115),Sax2(+144014)	N/A
Chr3	34795362	34795468	Chr3.23060	Altp11b(-958719),Sax2(+145410)	N/A
Chr3	34795497	34795765	Chr3.23061	Altp11b(-958503),Sax2(+145626)	N/A
Chr3	34795794	34795902	Chr3.23069	Altp11b(-958286),Sax2(+145843)	N/A
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Chr3	6228906	6229121	Chr3.2309	Pex2(-652964),1700008p02nk(+391429)	N/A

Chr3	34815899	34816076	Chr3.23091	Atg11b(-938146), Sox2(+165983)	N/A
Chr3	34825825	34825971	Chr3.23100	Atg11b(-928236), Sox2(+175893)	N/A
Chr3	34838210	34839422	Chr3.23108	Atg11b(-915818), Sox2(+198311)	N/A
Chr3	34868838	34868948	Chr3.23128	Atg11b(-885241), Sox2(+216886)	N/A
Chr3	34906127	34906229	Chr3.23175	Atg11b(-847956), Sox2(+256173)	N/A
Chr3	34909357	34909678	Chr3.23184	Atg11b(-844616), Sox2(+259513)	N/A
Chr3	34916465	34916776	Chr3.23190	Atg11b(-837513), Sox2(+266616)	N/A
Chr3	35018526	35018629	Chr3.23314	Atg11b(-735556), Sox2(+368573)	N/A
Chr3	35029333	35029629	Chr3.23331	Atg11b(-724703), Sox2(+379426)	N/A
Chr3	35084401	35084507	Chr3.23408	Atg11b(-689430), Sox2(+434699)	N/A
Chr3	35086845	35087019	Chr3.23414	Atg11b(-667202), Sox2(+436927)	N/A
Chr3	35087099	35087344	Chr3.23417	Atg11b(-666912), Sox2(+437217)	N/A
Chr3	35090466	35090814	Chr3.23431	Atg11b(-663494), Sox2(+440635)	N/A
Chr3	35102699	35102833	Chr3.23444	Atg11b(-651368), Sox2(+452761)	N/A
Chr3	35104949	35105111	Chr3.23457	Atg11b(-649104), Sox2(+455025)	N/A
Chr3	35105935	35106052	Chr3.23464	Atg11b(-648140), Sox2(+455989)	N/A
Chr3	35133718	35133839	Chr3.23505	Atg11b(-620355), Sox2(+483774)	N/A
Chr3	35225321	35225821	Chr3.23587	Atg11b(-528563), Sox2(+575566)	N/A
Chr3	35225854	35225958	Chr3.23588	Atg11b(-528228), Sox2(+575901)	N/A
Chr3	35228031	35226179	Chr3.23589	Atg11b(-528029), Sox2(+576100)	N/A
Chr3	35234332	35234544	Chr3.23600	Atg11b(-518648), Sox2(+585453)	N/A
Chr3	35235769	35235909	Chr3.23605	Atg11b(-518295), Sox2(+585834)	N/A
Chr3	35242309	35242737	Chr3.23623	Atg11b(-511611), Sox2(+592518)	N/A
Chr3	35245087	35245531	Chr3.23631	Atg11b(-508825), Sox2(+595304)	N/A
Chr3	35253946	35254431	Chr3.23654	Atg11b(-499949), Sox2(+604184)	N/A
Chr3	35273389	35273790	Chr3.23679	Atg11b(-480544), Sox2(+623585)	N/A
Chr3	35314139	35314358	Chr3.23729	Atg11b(-439885), Sox2(+664244)	N/A
Chr3	35318028	35318160	Chr3.23735	Atg11b(-436040), Sox2(+668089)	N/A
Chr3	35319763	35319885	Chr3.23746	Atg11b(-434310), Sox2(+669819)	N/A
Chr3	35320279	35320436	Chr3.23752	Atg11b(-433776), Sox2(+670353)	N/A
Chr3	35320650	35321060	Chr3.23757	Atg11b(-432079), Sox2(+670850)	N/A
Chr3	35324215	35324552	Chr3.23765	Atg11b(-429759), Sox2(+674379)	N/A
Chr3	35332977	35333478	Chr3.23784	Atg11b(-420906), Sox2(+683223)	N/A
Chr3	35340620	35340786	Chr3.23802	Atg11b(-413431), Sox2(+690698)	N/A
Chr3	35340980	35341156	Chr3.23804	Atg11b(-413066), Sox2(+691063)	N/A
Chr3	35341375	35341651	Chr3.23807	Atg11b(-412621), Sox2(+691508)	N/A
Chr3	35351105	35351507	Chr3.23821	Atg11b(-402828), Sox2(+701301)	N/A
Chr3	63203984	6320584	Chr3.2385	Pex2(-744335), 1700008p02nk(+299958)	N/A
Chr3	35362688	35362486	Chr3.23853	Atg11b(-391847), Sox2(+712282)	N/A
Chr3	6320912	6321059	Chr3.2388	Pex2(-744836), 1700008p02nk(+299457)	N/A
Chr3	35393373	35393570	Chr3.23882	Atg11b(-360662), Sox2(+743467)	N/A
Chr3	35467318	35467450	Chr3.23932	Atg11b(-289750), Sox2(+817379)	N/A
Chr3	35481366	35481489	Chr3.23957	Atg11b(-272708), Sox2(+831423)	N/A
Chr3	35755288	35755429	Chr3.24036	Atg11b(+1225), Dcnm1d1(+177607)	N/A
Chr3	6382238	6382521	Chr3.2409	Pex2(-806230), 1700008p02nk(+238063)	N/A
Chr3	6383020	6383231	Chr3.2418	Pex2(-806976), 1700008p02nk(+237317)	N/A
Chr3	6383763	6384380	Chr3.2420	Pex2(-807922), 1700008p02nk(+236371)	N/A
Chr3	36517692	36517918	Chr3.24375	Exoc9(-34801), 1810063p17nk(+14986)	N/A
Chr3	36521199	36521318	Chr3.24380	Exoc9(-31347), 1810063p17nk(+45322)	N/A
Chr3	36835778	36835963	Chr3.24652	Trpc3(-145704), 4932438a13nk(-27235)	N/A
Chr3	37380315	37380517	Chr3.25196	Fgf2(+32070), Nudt6(-39174)	N/A
Chr3	37380570	37380682	Chr3.25201	Fgf2(+32280), Nudt6(-38964)	N/A
Chr3	37401474	37401598	Chr3.25206	Nudt6(-18054), Fgf2(+53190)	N/A
Chr3	37402092	37402309	Chr3.25209	Nudt6(-17354), Fgf2(-53850)	N/A
Chr3	37407320	37407430	Chr3.25228	Nudt6(+12215), Fgf2(+59029)	N/A
Chr3	37420232	37420366	Chr3.25254	Nudt6(-709), Spata5(+403)	N/A
Chr3	37473173	37473463	Chr3.25330	Spry1(-166762), Spata5(+53422)	N/A
Chr3	37503039	37503245	Chr3.25349	Spry1(-136938), Spata5(+83246)	N/A
Chr3	37506832	37507234	Chr3.25373	Spry1(-82647), Spata5(+137137)	N/A
Chr3	37557411	37557533	Chr3.25375	Spry1(-62608), Spata5(+137578)	N/A
Chr3	37572089	37572212	Chr3.25389	Spry1(-67929), Spata5(+152255)	N/A
Chr3	37586208	37586741	Chr3.25404	Spry1(-53605), Spata5(+166579)	N/A
Chr3	37587144	37587296	Chr3.25411	Spry1(-52860), Spata5(+167324)	N/A
Chr3	37616601	37616922	Chr3.25413	Spry1(-23318), Spata5(+196866)	N/A
Chr3	37639827	37640116	Chr3.25428	Spry1(-108)	N/A
Chr3	37653901	37654180	Chr3.25475	Spry1(+13961), Gm5148(-70288)	N/A
Chr3	37654292	37654448	Chr3.25477	Spry1(+14290), Gm5148(+69959)	N/A
Chr3	37657022	37657470	Chr3.25478	Spry1(+17166), Gm5148(+67083)	N/A
Chr3	37666746	37667120	Chr3.25496	Spry1(+26853), Gm5148(+57396)	N/A
Chr3	37667316	37667526	Chr3.25509	Gm5148(+36907), Spry1(+74342)	N/A
Chr3	37708756	37708874	Chr3.25525	Gm5148(+1514), Spry1(+68739)	N/A
Chr3	37713029	37713134	Chr3.25530	Gm5148(+11247), Spry1(+73002)	N/A
Chr3	37716714	37717010	Chr3.25537	Gm5148(+7467), Spry1(+76782)	N/A
Chr3	37722761	37722879	Chr3.25547	Gm5148(+1509), Spry1(+82740)	N/A
Chr3	37723283	37723559	Chr3.25554	Gm5148(+908)	N/A
Chr3	37725444	37725681	Chr3.25558	Gm5148(-1284)	N/A
Chr3	37728621	37728755	Chr3.25563	Gm5148(-4359)	N/A
Chr3	37729198	37729503	Chr3.25568	Gm5148(-5022), Ankrd50(+755493)	N/A
Chr3	37732266	37733551	Chr3.25572	Gm5148(-9080), Ankrd50(+751435)	N/A
Chr3	37739982	37740139	Chr3.25579	Gm5148(-16732), Ankrd50(+744783)	N/A
Chr3	37748053	37748306	Chr3.25588	Gm5148(-23852), Ankrd50(+736663)	N/A
Chr3	37758227	37758398	Chr3.25598	Gm5148(-32983), Ankrd50(+726512)	N/A
Chr3	37769380	37769706	Chr3.25632	Gm5148(-45214), Ankrd50(+715301)	N/A
Chr3	37776328	37776668	Chr3.25643	Gm5148(-52169), Ankrd50(+708346)	N/A
Chr3	37781083	37781188	Chr3.25650	Gm5148(-56807), Ankrd50(+703708)	N/A
Chr3	37789413	37789627	Chr3.25658	Gm5148(-65191), Ankrd50(+695324)	N/A
Chr3	37789860	37789866	Chr3.25659	Gm5148(-65444), Ankrd50(+695071)	N/A
Chr3	37790898	37791310	Chr3.25665	Gm5148(-66775), Ankrd50(+693740)	N/A
Chr3	37805428	37805729	Chr3.25672	Gm5148(-81250), Ankrd50(+679265)	N/A
Chr3	37828504	37828695	Chr3.25694	Gm5148(-104271), Ankrd50(+656244)	N/A
Chr3	37842354	37842557	Chr3.25709	Gm5148(-118127), Ankrd50(+642388)	N/A
Chr3	37845599	37845782	Chr3.25716	Gm5148(-121362), Ankrd50(+639133)	N/A
Chr3	37846091	37846795	Chr3.25724	Gm5148(-12414), Ankrd50(+638101)	N/A
Chr3	37860987	37861250	Chr3.25733	Gm5148(-136790), Ankrd50(+623725)	N/A
Chr3	37869269	37869496	Chr3.25740	Gm5148(-145054), Ankrd50(+615461)	N/A
Chr3	37875370	37875625	Chr3.25749	Gm5148(-151169), Ankrd50(+609346)	N/A
Chr3	37875706	37876140	Chr3.25750	Gm5148(-151594), Ankrd50(+608921)	N/A
Chr3	37882432	37882614	Chr3.25761	Gm5148(-158194), Ankrd50(+602321)	N/A
Chr3	37885818	37885836	Chr3.25769	Gm5148(-164348), Ankrd50(+596167)	N/A
Chr3	37896809	37896908	Chr3.25777	Gm5148(-172530), Ankrd50(+587985)	N/A
Chr3	37896946	37897334	Chr3.25778	Gm5148(-172811), Ankrd50(+587704)	N/A
Chr3	37906855	37907240	Chr3.25785	Gm5148(-182719), Ankrd50(+577796)	N/A
Chr3	37907376	37907558	Chr3.25788	Gm5148(-183138), Ankrd50(+577377)	N/A
Chr3	37907796	37907951	Chr3.25791	Gm5148(-183545), Ankrd50(+576970)	N/A
Chr3	37917008	37917364	Chr3.25802	Gm5148(-192857), Ankrd50(+567558)	N/A
Chr3	37937677	37937892	Chr3.25822	Gm5148(-213456), Ankrd50(+547059)	N/A
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Chr3	37975238	37975557	Chr3.25844	Gm5148(-251069), Ankrd50(+509446)	N/A
Chr3	37976861	37977067	Chr3.25849	Gm5148(-252635), Ankrd50(+507880)	N/A
Chr3	37978989	37978823	Chr3.25856	Gm5148(-265427), Ankrd50(+506088)	N/A
Chr3	37993124	37993309	Chr3.25861	Gm5148(-268888), Ankrd50(+491627)	N/A
Chr3	38009254	38009422	Chr3.25878	Gm5148(-285009), Ankrd50(+475506)	N/A
Chr3	38015715	38016063	Chr3.25882	Gm5148(-291560), Ankrd50(+468955)	N/A
Chr3	38049394	38049584	Chr3.25893	Gm5148(-325160), Ankrd50(+453355)	N/A
Chr3	38055753	38055887	Chr3.25910	Gm5148(-331491), Ankrd50(+429024)	N/A
Chr3	38076691	38076809	Chr3.25914	Gm5148(-335421), Ankrd50(+408094)	N/A
Chr3	38076940	38077159	Chr3.25915	Gm5148(-352721), Ankrd50(+407794)	N/A
Chr3	38077572	38077938	Chr3.25920	Gm5148(-353426), Ankrd50(+407089)	N/A
Chr3	38135884	38136213	Chr3.25954	Gm5148(-411720), Ankrd50(+348795)	N/A
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Chr3	38175593	38175694	Chr3.25968	Gm5148(-451315), Ankrd50(+309200)	N/A
Chr3	38175965	38176205	Chr3.25999	Gm5148(-451756), Ankrd50(+308759)	N/A
Chr3	38261674	38261813	Chr3.26020	Gm5148(-537415), Ankrd50(+223100)	N/A
Chr3	38263617	38263782	Chr3.26025	Gm5148(-539371), Ankrd50(+221144)	N/A
Chr3	38264242	38264530	Chr3.26027	Gm5148(-540057), Ankrd50(+220458)	N/A
Chr3	38312279	38312431	Chr3.26049	Gm5148(-588026), Ankrd50(+172489)	N/A
Chr3	38322459	38322671	Chr3.26058	Gm5148(-598236), Ankrd50(+162279)	N/A
Chr3	38357781	38357893	Chr3.26078	Gm5148(-633508), Ankrd50(+127007)	N/A
Chr3	38357924	38358148	Chr3.26079	Gm5148(-633707), Ankrd50(+126808)	N/A
Chr3	38360618	38360722	Chr3.26084	Gm5148(-636341), Ankrd50(+124174)	N/A
Chr3	38388978	38389077	Chr3.26091	Gm5148(-664699), Ankrd50(+95816)	N/A
Chr3	38433615	38433915	Chr3.26107	Gm5148(-709436), Ankrd50(+51079)	N/A
Chr3	38456264	38456449	Chr3.26204	Gm5148(-732028), Ankrd50(+28487)	N/A
Chr3	38482686	38483204	Chr3.26236	Gm5148(-758616), Ankrd50(+1899)	N/A
Chr3	38483468	38483673	Chr3.26244	Gm5148(-759242), Ankrd50(+1273)	N/A
Chr3	38483942	38483942	Chr3.26247	Ankrd50(+952)	N/A
Chr3	38554131	38554255	Chr3.26254	Fat4(-332747), Ankrd50(-69349)	N/A
Chr3	38585446	38585663	Chr3.26265	Fat4(-301359), Ankrd50(-100711)	N/A

Chr3	38625624	38625913	Chr3.26285	FaH4(-261171),Ankrd50(-140925)	N/A
Chr3	38633478	38633580	Chr3.26292	FaH4(-253411),Ankrd50(-149685)	N/A
Chr3	38698073	38698327	Chr3.26314	Ankrd50(-213350),FaH4(-198740)	N/A
Chr3	38712079	38712188	Chr3.26322	Ankrd50(-227240),FaH4(-174806)	N/A
Chr3	38754551	38754671	Chr3.26328	Ankrd50(-269767),FaH4(-132329)	N/A
Chr3	38847081	38847332	Chr3.26343	Ankrd50(-362363),FaH4(-397373)	N/A
Chr3	38884536	38884644	Chr3.26354	FaH4(-2350)	N/A
Chr3	38885217	38885349	Chr3.26357	FaH4(-1657)	N/A
Chr3	38892604	38892723	Chr3.26470	FaH4(+5724),Gm9845(+466464)	N/A
Chr3	38933082	38931853	Chr3.26473	FaH4(+6183),Gm9845(+465995)	N/A
Chr3	38913788	38914011	Chr3.26499	FaH4(+26960),Gm9845(+445228)	N/A
Chr3	38919047	38919336	Chr3.26507	FaH4(+32252),Gm9845(+439936)	N/A
Chr3	38921135	38921367	Chr3.26512	FaH4(+34311),Gm9845(+437877)	N/A
Chr3	38928051	38926221	Chr3.26524	FaH4(+41191),Gm9845(+430997)	N/A
Chr3	38928414	38928564	Chr3.26527	FaH4(+4549),Gm9845(+430639)	N/A
Chr3	38928614	38929079	Chr3.26530	FaH4(+41907),Gm9845(+430281)	N/A
Chr3	38934633	38934934	Chr3.26536	FaH4(+47844),Gm9845(+424344)	N/A
Chr3	38935032	38935140	Chr3.26540	FaH4(+48146),Gm9845(+424042)	N/A
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Chr3	6811573	6812034	Chr3.26591	Pkai(-554800),1700008p02nik(-191361)	N/A
Chr3	6812201	6812402	Chr3.26596	Pkai(-554302),1700008p02nik(-191859)	N/A
Chr3	39010914	39011122	Chr3.26590	FaH4(+124078),Gm9845(+348110)	N/A
Chr3	39086660	39086984	Chr3.27074	FaH4(+199882),Gm9845(+272306)	N/A
Chr3	39108852	39107096	Chr3.27090	FaH4(+220034),Gm9845(+252154)	N/A
Chr3	39182313	39182469	Chr3.27135	Gm9845(+176737),FaH4(+295451)	N/A
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Chr3	39202705	39203088	Chr3.27144	Gm9845(+156231),FaH4(+315957)	N/A
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Chr3	39432023	39432241	Chr3.27255	Gm9845(-73004)	N/A
Chr3	39443305	39443562	Chr3.27257	Gm9845(-94309)	N/A
Chr3	39460536	39461140	Chr3.27273	Gm9845(-101710)	N/A
Chr3	39560933	39561118	Chr3.27330	Intu(-979741),Gm9845(-201898)	N/A
Chr3	39571743	39572107	Chr3.27336	Intu(-968842),Gm9845(-212797)	N/A
Chr3	39763872	39764164	Chr3.27430	Intu(-776749),Gm9845(-404890)	N/A
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Chr3	39777865	39777976	Chr3.27442	Intu(-760846),Gm9845(-420793)	N/A
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Chr3	39849196	39849473	Chr3.27468	Intu(-691432),Gm9845(-490207)	N/A
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Chr3	39902730	39902844	Chr3.27515	Intu(-637980),Gm9845(-543659)	N/A
Chr3	39904122	39904356	Chr3.27521	Intu(-636528),Gm9845(-545111)	N/A
Chr3	6875982	6876208	Chr3.27556	Pkai(-409510),1700008p02nik(-255651)	N/A
Chr3	39952492	39952616	Chr3.27565	Gm9845(-593426),Intu(-588213)	N/A
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Chr3	40050107	40050311	Chr3.27639	Gm9845(-691081),Intu(-490558)	N/A
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Chr3	40058425	40058806	Chr3.27652	Gm9845(-699488),Intu(-482151)	N/A
Chr3	40059095	40059345	Chr3.27657	Gm9845(-700092),Intu(-481547)	N/A
Chr3	40070220	40070589	Chr3.27669	Gm9845(-711277),Intu(-470362)	N/A
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Chr3	40079854	40079991	Chr3.27680	Gm9845(-720795),Intu(-460844)	N/A
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Chr3	40082613	40083413	Chr3.27703	Gm9845(-723965),Intu(-447654)	N/A
Chr3	40102427	40102690	Chr3.27708	Gm9845(-743416),Intu(-438223)	N/A
Chr3	40114617	40114749	Chr3.27714	Gm9845(-755555),Intu(-426084)	N/A
Chr3	40138592	40139025	Chr3.27745	Gm9845(-779681),Intu(-401958)	N/A
Chr3	40139247	40139468	Chr3.27751	Gm9845(-780230),Intu(-401409)	N/A
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Chr3	40158841	40158780	Chr3.27769	Gm9845(-799563),Intu(-382050)	N/A
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Chr3	40176561	40176705	Chr3.27797	Gm9845(-817505),Intu(-364134)	N/A
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Chr3	40243255	40243379	Chr3.27861	Gm9845(-864189),Intu(-297450)	N/A
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Chr3	40287375	40287692	Chr3.27907	Gm9845(-928406),Intu(-253233)	N/A
Chr3	40304409	40304708	Chr3.27918	Gm9845(-945431),Intu(-236203)	N/A
Chr3	40320398	40320655	Chr3.27942	Gm9845(-961399),Intu(-220240)	N/A
Chr3	40320887	40321010	Chr3.27944	Gm9845(-961821),Intu(-219818)	N/A
Chr3	40327615	40327823	Chr3.27953	Gm9845(-968591),Intu(-213048)	N/A
Chr3	40328372	40328524	Chr3.27957	Gm9845(-969320),Intu(-212319)	N/A
Chr3	40343174	40343455	Chr3.27979	Gm9845(-984168),Intu(-197453)	N/A
Chr3	40363551	40365490	Chr3.27983	Intu(-175346)	N/A
Chr3	40377656	40377767	Chr3.27996	Intu(-163055)	N/A
Chr3	40385607	40385806	Chr3.28014	Intu(-155060)	N/A
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Chr3	40413814	40413920	Chr3.28061	Intu(-126900)	N/A
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Chr3	40424953	40425070	Chr3.28070	Intu(-115755)	N/A
Chr3	40451195	40451487	Chr3.28098	Intu(-89426)	N/A
Chr3	40470281	40470431	Chr3.28114	Intu(-70411)	N/A
Chr3	40480207	40480309	Chr3.28118	Intu(-60509)	N/A
Chr3	40483247	40484098	Chr3.28120	Intu(-57094)	N/A
Chr3	40509323	40509504	Chr3.28142	Intu(-31353)	N/A
Chr3	40531869	40531970	Chr3.28160	Intu(-8847)	N/A
Chr3	40532526	40532654	Chr3.28161	Intu(-8177)	N/A
Chr3	6926739	6927334	Chr3.2822	Pkai(-439567),1700008p02nik(-306594)	N/A
Chr3	40689626	40687062	Chr3.28238	Slc25a31(-21861),Intu(+146227)	N/A
Chr3	40687222	40687356	Chr3.28238	Slc25a31(-21566),Intu(+146522)	N/A
Chr3	6932463	6932714	Chr3.2827	Pkai(-434015),1700008p02nik(-312146)	N/A
Chr3	40746441	40746563	Chr3.28321	Pkai(-53517),Hspa4(+1072)	N/A
Chr3	6933173	6933294	Chr3.2833	Pkai(-433370),1700008p02nik(-312791)	N/A
Chr3	6984875	6985176	Chr3.2854	Pkai(-381578),1700008p02nik(-364583)	N/A
Chr3	41038914	41039021	Chr3.28586	Larp1b(+14595),Pgmc2(+44078)	N/A
Chr3	6985802	6986104	Chr3.2860	Pkai(-380651),1700008p02nik(-365510)	N/A
Chr3	7007839	7008130	Chr3.2870	1700008p02nik(-387542),Pkai(-358619)	N/A
Chr3	7008661	7008996	Chr3.2873	1700008p02nik(-388387),Pkai(-357774)	N/A
Chr3	41195128	41195634	Chr3.28737	Jade1(-388002),Pgmc2(-112335)	N/A
Chr3	7009289	7009620	Chr3.2878	1700008p02nik(-389016),Pkai(-357145)	N/A
Chr3	41239895	41240165	Chr3.28801	Jade1(-323353),Pgmc2(-156964)	N/A
Chr3	41258301	41258473	Chr3.28806	Jade1(-304996),Pgmc2(-175341)	N/A
Chr3	41259806	41259921	Chr3.28812	Jade1(-303519),Pgmc2(-176818)	N/A
Chr3	41260008	41260153	Chr3.28814	Jade1(-303302),Pgmc2(-177035)	N/A
Chr3	41282605	41282948	Chr3.28824	Jade1(-286807),Pgmc2(-199730)	N/A
Chr3	41284996	41285300	Chr3.28828	Jade1(-278235),Pgmc2(-202102)	N/A
Chr3	41295290	41295399	Chr3.28841	Jade1(-268038),Pgmc2(-212299)	N/A
Chr3	41317900	41318918	Chr3.28853	Jade1(-244974),Pgmc2(-235363)	N/A
Chr3	41319267	41319378	Chr3.28864	Jade1(-244060),Pgmc2(-236277)	N/A
Chr3	41326205	41326377	Chr3.28877	Pgmc2(-243245),Jade1(-237092)	N/A
Chr3	41332333	41332538	Chr3.28880	Pgmc2(-246380),Jade1(-230947)	N/A
Chr3	41404274	41404445	Chr3.28950	Pgmc2(-321314),Jade1(-159023)	N/A
Chr3	41406864	41408800	Chr3.28955	Pgmc2(-325696),Jade1(-154641)	N/A
Chr3	41408916	41409458	Chr3.28958	Pgmc2(-326141),Jade1(-154196)	N/A
Chr3	41423248	41423539	Chr3.28979	Pgmc2(-340348),Jade1(-139989)	N/A
Chr3	41430190	41430518	Chr3.28992	Pgmc2(-347308),Jade1(-133029)	N/A
Chr3	41463611	41463721	Chr3.29007	Pgmc2(-380620),Jade1(-199717)	N/A
Chr3	41544423	41544602	Chr3.29050	Pgmc2(-461467),Jade1(-18870)	N/A
Chr3	41563332	41563439	Chr3.29062	Jade1(+3)	N/A
Chr3	41563642	41563860	Chr3.29065	Jade1(+368)	N/A
Chr3	41564067	41564181	Chr3.29068	Jade1(+741)	N/A
Chr3	41564213	41564555	Chr3.29069	Jade1(+1001),Sc1t1(+178130)	N/A
Chr3	41564721	41564829	Chr3.29073	Jade1(+1392),Sc1t1(+177739)	N/A
Chr3	41581013	41581384	Chr3.29095	Jade1(+17816),Sc1t1(+161315)	N/A
Chr3	41581483	41581630	Chr3.29096	Jade1(+18174),Sc1t1(+160957)	N/A
Chr3	41589253	41589457	Chr3.29109	Jade1(+25972),Sc1t1(+153159)	N/A
Chr3	70271464	7027435	Chr3.2911	1700008p02nik(-406857),Pkai(-339304)	N/A
Chr3	41602930	41603213	Chr3.29156	Jade1(-39689),Sc1t1(-139442)	N/A

Chr3	42065579	42065796	Chr3.29576	D3ertd751e(+323073)	N/A
Chr3	42066027	42066129	Chr3.29586	D3ertd751e(+323463)	N/A
Chr3	42073465	42073670	Chr3.29593	D3ertd751e(+330953)	N/A
Chr3	42129973	42130077	Chr3.29654	D3ertd751e(+347410)	N/A
Chr3	42215252	42215456	Chr3.29787	D3ertd751e(+472739)	N/A
Chr3	45355763	45356071	Chr3.31007	Pcdh10(-22481)	N/A
Chr3	45376444	45376669	Chr3.31037	Pcdh10(-1841)	N/A
Chr3	45378001	45378232	Chr3.31040	Pcdh10(-281)	N/A
Chr3	45378930	45379041	Chr3.31049	Pcdh10(-588)	N/A
Chr3	45382491	45382636	Chr3.31093	Pcdh10(+146)	N/A
Chr3	45754420	45754641	Chr3.31387	Pcdh10(+376133),Pabpc4(+693410)	N/A
Chr3	46402746	46402870	Chr3.31595	Pabpc4(+45133)	N/A
Chr3	7612575	7612769	Chr3.3160	l17(+755)	N/A
Chr3	7613174	7613280	Chr3.3169	l17(+200)	N/A
Chr3	7613316	7613460	Chr3.3170	l17(+29)	N/A
Chr3	7681175	7681275	Chr3.3188	Stmn2(-826302),l17(-57798)	N/A
Chr3	48509904	48510040	Chr3.32968	1700018b24nk(+99129)	N/A
Chr3	8036210	8036319	Chr3.3257	Stmn2(-473262),l17(-422838)	N/A
Chr3	49281213	49281383	Chr3.32674	1700018b24nk(-672197),Pcdh18(+476018)	N/A
Chr3	4955951	49560053	Chr3.32717	1700018b24nk(-950901),Pcdh18(+197314)	N/A
Chr3	49559537	49560067	Chr3.32733	1700018b24nk(-983851),Pcdh18(+164364)	N/A
Chr3	49593116	49593219	Chr3.32737	1700018b24nk(-984067),Pcdh18(+164148)	N/A
Chr3	49648855	49648968	Chr3.32777	Pcdh18(+108404)	N/A
Chr3	4967650	49676862	Chr3.32780	Pcdh18(+89560)	N/A
Chr3	49898942	49899162	Chr3.32802	Pcdh18(+58264)	N/A
Chr3	49749863	49750205	Chr3.32868	Pcdh18(-7222)	N/A
Chr3	49752773	49752891	Chr3.32875	Pcdh18(+4484)	N/A
Chr3	49758361	49758542	Chr3.32975	Pcdh18(-1136)	N/A
Chr3	49758704	49759233	Chr3.32979	Pcdh18(-1653)	N/A
Chr3	49769359	49769650	Chr3.32999	Pcdh18(-12189),Slc7a11(+674108)	N/A
Chr3	49850876	49857212	Chr3.33079	Pcdh18(-99732),Slc7a11(+585559)	N/A
Chr3	49862556	49865482	Chr3.33065	Pcdh18(-109053),Slc7a11(+514459)	N/A
Chr3	49867054	49867293	Chr3.33090	Pcdh18(-109588),Slc7a11(+576439)	N/A
Chr3	49867412	49867520	Chr3.33093	Pcdh18(-110150),Slc7a11(+576147)	N/A
Chr3	49867948	49868154	Chr3.33095	Pcdh18(-110735),Slc7a11(+575562)	N/A
Chr3	49868188	49868329	Chr3.33099	Pcdh18(-110943),Slc7a11(+573354)	N/A
Chr3	49874057	49874098	Chr3.33104	Pcdh18(-113261),Slc7a11(+573036)	N/A
Chr3	49886621	49886780	Chr3.33120	Pcdh18(-129385),Slc7a11(+556912)	N/A
Chr3	49887444	49887560	Chr3.33130	Pcdh18(-130186),Slc7a11(+556111)	N/A
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Chr3	49926584	49926701	Chr3.33172	Pcdh18(-171327),Slc7a11(+514970)	N/A
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Chr3	49944781	49945009	Chr3.33193	Pcdh18(-197579),Slc7a11(+498718)	N/A
Chr3	49965285	49965407	Chr3.33218	Pcdh18(-208030),Slc7a11(+478267)	N/A
Chr3	49966002	49966164	Chr3.33222	Pcdh18(-208767),Slc7a11(+477530)	N/A
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Chr3	50014394	50014515	Chr3.33258	Pcdh18(-297139),Slc7a11(+429158)	N/A
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Chr3	50044962	50045132	Chr3.33275	Pcdh18(-287731),Slc7a11(+398566)	N/A
Chr3	50177836	50177982	Chr3.33328	Pcdh18(-420593),Slc7a11(+265704)	N/A
Chr3	50298035	50298299	Chr3.33408	Pcdh18(-540851),Slc7a11(+145446)	N/A
Chr3	50298573	50298672	Chr3.33411	Pcdh18(-541307),Slc7a11(+144990)	N/A
Chr3	50303573	50303918	Chr3.33414	Pcdh18(-543430),Slc7a11(+142687)	N/A
Chr3	50307727	50307874	Chr3.33421	Pcdh18(-550485),Slc7a11(+135812)	N/A
Chr3	50324226	50324368	Chr3.33434	Pcdh18(-566981),Slc7a11(+119316)	N/A
Chr3	50324425	50324800	Chr3.33436	Pcdh18(-567297),Slc7a11(+119000)	N/A
Chr3	50327970	50327979	Chr3.33441	Pcdh18(-570577),Slc7a11(+115720)	N/A
Chr3	50365185	50365353	Chr3.33463	Pcdh18(-607953),Slc7a11(+79344)	N/A
Chr3	50386160	50386279	Chr3.33548	Pcdh18(-628904),Slc7a11(+57393)	N/A
Chr3	50386309	50386474	Chr3.33548	Pcdh18(-629076),Slc7a11(+57221)	N/A
Chr3	50386637	50386831	Chr3.33550	Pcdh18(-629418),Slc7a11(+56879)	N/A
Chr3	50388460	50388577	Chr3.33555	Pcdh18(-631203),Slc7a11(+55094)	N/A
Chr3	50407870	50408006	Chr3.33579	Pcdh18(-650622),Slc7a11(+35675)	N/A
Chr3	5401122	54011235	Chr3.3380	l17(-877752),Stmn2(-18348)	N/A
Chr3	50421972	50422077	Chr3.33606	Pcdh18(-664709),Slc7a11(+21588)	N/A
Chr3	50422174	50422323	Chr3.33609	Pcdh18(-664933),Slc7a11(+21364)	N/A
Chr3	50443775	50443887	Chr3.33660	Slc7a11(-218)	N/A
Chr3	50483620	50483732	Chr3.33678	Noc(-740771),Slc7a11(-40063)	N/A
Chr3	50550462	50550602	Chr3.33725	Noc(-673900),Slc7a11(-106934)	N/A
Chr3	50607179	50607384	Chr3.33787	Noc(-617165),Slc7a11(-163659)	N/A
Chr3	50609399	50609583	Chr3.33792	Noc(-614956),Slc7a11(-165878)	N/A
Chr3	50678895	50679019	Chr3.33866	Noc(-545490),Slc7a11(-235344)	N/A
Chr3	50679320	50679433	Chr3.33871	Noc(-545070),Slc7a11(-235764)	N/A
Chr3	50687737	50688100	Chr3.33885	Noc(-536528),Slc7a11(-244306)	N/A
Chr3	50694609	50694901	Chr3.33899	Noc(-539672),Slc7a11(-251162)	N/A
Chr3	50709710	50709862	Chr3.33910	Noc(-514661),Slc7a11(-266173)	N/A
Chr3	50825694	50826183	Chr3.33998	Noc(-398508),Slc7a11(-382326)	N/A
Chr3	50826212	50826682	Chr3.34006	Noc(-398000),Slc7a11(-382834)	N/A
Chr3	50845165	50845427	Chr3.34023	Slc7a11(-401683),Noc(-379151)	N/A
Chr3	50845780	50845907	Chr3.34027	Slc7a11(-402231),Noc(-378603)	N/A
Chr3	50851638	50851811	Chr3.34051	Slc7a11(-428112),Noc(-342726)	N/A
Chr3	50882074	50882415	Chr3.34057	Slc7a11(-438632),Noc(-342202)	N/A
Chr3	50902953	50903232	Chr3.34084	Slc7a11(-459480),Noc(-321354)	N/A
Chr3	50904919	50905054	Chr3.34090	Slc7a11(-461374),Noc(-319460)	N/A
Chr3	50905952	50906112	Chr3.34094	Slc7a11(-462419),Noc(-318415)	N/A
Chr3	50906211	50906323	Chr3.34096	Slc7a11(-462654),Noc(-318180)	N/A
Chr3	50906416	50906640	Chr3.34099	Slc7a11(-462915),Noc(-317919)	N/A
Chr3	50922441	50922684	Chr3.34131	Slc7a11(-478950),Noc(-301884)	N/A
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Chr3	50927208	50927419	Chr3.34136	Slc7a11(-483701),Noc(-297133)	N/A
Chr3	50939872	50940079	Chr3.34157	Slc7a11(-493693),Noc(-284471)	N/A
Chr3	50969242	50969426	Chr3.34200	Slc7a11(-525721),Noc(-255113)	N/A
Chr3	50982862	50983045	Chr3.34226	Slc7a11(-539341),Noc(-241493)	N/A
Chr3	50983901	50984110	Chr3.34232	Slc7a11(-540393),Noc(-240441)	N/A
Chr3	50992445	50992832	Chr3.34252	Slc7a11(-549026),Noc(-231808)	N/A
Chr3	51027668	51027824	Chr3.34291	Slc7a11(-584133),Noc(-196701)	N/A
Chr3	8562031	8562152	Chr3.3432	Stmn2(-82658),Hey1(+104947)	N/A
Chr3	51041410	51041606	Chr3.34324	Slc7a11(-597895),Noc(-162939)	N/A
Chr3	51041753	51041921	Chr3.34329	Slc7a11(-598224),Noc(-182610)	N/A
Chr3	51042473	51042816	Chr3.34334	Slc7a11(-599032),Noc(-181802)	N/A
Chr3	51042900	51043123	Chr3.34337	Slc7a11(-599399),Noc(-181435)	N/A
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Chr3	51062979	51063142	Chr3.34387	Slc7a11(-619448),Noc(-161386)	N/A
Chr3	51063391	51063516	Chr3.34392	Slc7a11(-619841),Noc(-160993)	N/A
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Chr3	51075686	51075880	Chr3.34417	Slc7a11(-632170),Noc(-148664)	N/A
Chr3	51078219	51078392	Chr3.34424	Slc7a11(-634693),Noc(-146141)	N/A
Chr3	51078422	51078676	Chr3.34430	Slc7a11(-634688),Noc(-145948)	N/A
Chr3	51083195	51083633	Chr3.34436	Slc7a11(-635801),Noc(-141033)	N/A
Chr3	51083837	51083964	Chr3.34441	Slc7a11(-640288),Noc(-140546)	N/A
Chr3	51089092	51089202	Chr3.34449	Slc7a11(-645534),Noc(-135300)	N/A
Chr3	51089244	51089401	Chr3.34450	Slc7a11(-645710),Noc(-135124)	N/A
Chr3	51095994	51096337	Chr3.34458	Slc7a11(-652953),Noc(-128281)	N/A
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Chr3	51109039	51109241	Chr3.34476	Slc7a11(-665527),Noc(-115307)	N/A
Chr3	51121690	51121922	Chr3.34484	Slc7a11(-678193),Noc(-102641)	N/A
Chr3	51135855	51136015	Chr3.34509	Slc7a11(-692322),Noc(-88512)	N/A
Chr3	51156137	51156334	Chr3.34529	Slc7a11(-712623),Noc(-68211)	N/A
Chr3	51159448	51159599	Chr3.34531	Slc7a11(-712909),Noc(-67929)	N/A
Chr3	51157078	51157387	Chr3.34534	Slc7a11(-713605),Noc(-672229)	N/A
Chr3	51169375	51169599	Chr3.34537	Slc7a11(-725874),Noc(-54960)	N/A
Chr3	51178175	51178379	Chr3.34563	Slc7a11(-734664),Noc(-46170)	N/A
Chr3	51255831	51256115	Chr3.34647	Noc(+31526),Elf2(+84593)	N/A
Chr3	51256147	51256285	Chr3.34651	Noc(+31769),Elf2(+84350)	N/A
Chr3	51269507	51269722	Chr3.34658	Noc(+44168),Elf2(+71951)	N/A
Chr3	51276030	51276411	Chr3.34694	Noc(+51774),Elf2(+64345)	N/A
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Chr3	51474919	51475135	Chr3.34801	Rab33b(-8939),Naa15(-59011)	N/A
Chr3	51475181	51475347	Chr3.34802	Rab33b(-8702),Naa15(-59248)	N/A
Chr3	51516449	51516639	Chr3.34855	Rab33b(-32578),Setd1(+44334)	N/A
Chr3	51564295	51564399	Chr3.34937	Setd7(-3469)	N/A
Chr3	51636775	51636877	Chr3.34968	Setd7(-75948),Mgst2(-24353)	N/A
Chr3	51648230	51648444	Chr3.34969	Setd7(-87459),Mgst2(-12842)	N/A
Chr3	8663359	8663468	Chr3.3502	Hey1(-3625),Stmn2(-153887)	N/A
Chr3	51695986	51696021	Chr3.35036	Gm10729(+2173),Mam3(+409447)	N/A
Chr3	51700737	51700873	Chr3.35054	Gm10729(+7034),Mam3(+404696)	N/A
Chr3	51701164	51701320	Chr3.35057	Gm10729(+7471),Mam3(+403649)	N/A

Chr3	51701541	51701755	Chr3.35060	Gm10729(+7877),Mam13(+403243)	N/A
Chr3	51702097	51702205	Chr3.35063	Gm10729(+8380),Mam13(+402740)	N/A
Chr3	51703915	51704050	Chr3.35068	Gm10729(+10212),Mam13(+400908)	N/A
Chr3	51708095	51708408	Chr3.35072	Gm10729(+1248),Mam13(+398639)	N/A
Chr3	51708771	51708906	Chr3.35074	Gm10729(+15068),Mam13(+396052)	N/A
Chr3	51713281	51713428	Chr3.35077	Gm10729(+19584),Mam13(+391536)	N/A
Chr3	51716630	51716841	Chr3.35081	Gm10729(+22965),Mam13(+388155)	N/A
Chr3	51717044	51717144	Chr3.35085	Gm10729(+23323),Mam13(+387797)	N/A
Chr3	51727990	51728220	Chr3.35098	Gm10729(+34334),Mam13(+378786)	N/A
Chr3	51744385	51744689	Chr3.35119	Gm10729(+50756),Mam13(+360364)	N/A
Chr3	51749029	51749229	Chr3.35128	Gm10729(+55358),Mam13(+355762)	N/A
Chr3	51749498	51749776	Chr3.35131	Gm10729(+55866),Mam13(+355254)	N/A
Chr3	51750013	51750116	Chr3.35135	Gm10729(+56294),Mam13(+354826)	N/A
Chr3	51761581	51761740	Chr3.35155	Gm10729(+67890),Mam13(+343230)	N/A
Chr3	51762897	51762897	Chr3.35160	Gm10729(+69882),Mam13(+342138)	N/A
Chr3	51778249	51778534	Chr3.35167	Gm10729(+84621),Mam13(+326499)	N/A
Chr3	51778948	51779134	Chr3.35173	Gm10729(+85270),Mam13(+325850)	N/A
Chr3	8665214	8665480	Chr3.3519	Hey1(+1692),Stmn2(+155820)	N/A
Chr3	51798122	51798246	Chr3.35202	Gm10729(+104413),Mam13(+308707)	N/A
Chr3	51798455	51798599	Chr3.35204	Gm10729(+104758),Mam13(+306364)	N/A
Chr3	51798999	51799116	Chr3.35210	Gm10729(+105287),Mam13(+305833)	N/A
Chr3	51804088	51804288	Chr3.35220	Gm10729(+110417),Mam13(+300703)	N/A
Chr3	51805326	51805495	Chr3.35226	Gm10729(+111640),Mam13(+299480)	N/A
Chr3	51808062	51808320	Chr3.35229	Gm10729(+114420),Mam13(+296700)	N/A
Chr3	51810806	51811025	Chr3.35234	Gm10729(+117145),Mam13(+293975)	N/A
Chr3	51833110	51833283	Chr3.35276	Gm10729(+138431),Mam13(+271689)	N/A
Chr3	51861921	51862079	Chr3.35323	Gm10729(+168229),Mam13(+242891)	N/A
Chr3	51870069	51870278	Chr3.35334	Gm10729(+176403),Mam13(+234717)	N/A
Chr3	51879766	51879928	Chr3.35351	Gm10729(+186076),Mam13(+225044)	N/A
Chr3	51888667	51888770	Chr3.35369	Gm10729(+194948),Mam13(+216172)	N/A
Chr3	51889915	51889300	Chr3.35370	Gm10729(+195337),Mam13(+215783)	N/A
Chr3	51893997	51893723	Chr3.35372	Gm10729(+195789),Mam13(+215331)	N/A
Chr3	51900228	51900389	Chr3.35391	Mam13(+204582),Gm10729(+206538)	N/A
Chr3	51913012	51913208	Chr3.35414	Mam13(+191781),Gm10729(+219339)	N/A
Chr3	51915967	51916127	Chr3.35418	Mam13(+188844),Gm10729(+222276)	N/A
Chr3	8685307	8685484	Chr3.3542	Hey1(-18357),Mps28(+238522)	N/A
Chr3	51923877	51923996	Chr3.35428	Mam13(+18054),Gm10729(+230166)	N/A
Chr3	51926734	51926896	Chr3.35431	Mam13(+178076),Gm10729(+233044)	N/A
Chr3	51928190	51928533	Chr3.35432	Mam13(+176529),Gm10729(+234591)	N/A
Chr3	51965694	51965877	Chr3.35464	Mam13(+139105),Gm10729(+272015)	N/A
Chr3	51966018	51966152	Chr3.35467	Mam13(+138806),Gm10729(+272314)	N/A
Chr3	51978030	51978206	Chr3.35481	Mam13(+126773),Gm10729(+264347)	N/A
Chr3	51980220	51980377	Chr3.35489	Mam13(+124589),Gm10729(+266528)	N/A
Chr3	51985153	51985300	Chr3.35496	Mam13(+119664),Gm10729(+291456)	N/A
Chr3	8708970	8709236	Chr3.3550	Hey1(-42064),Mps28(+214815)	N/A
Chr3	51998662	51998811	Chr3.35524	Mam13(+106154),Gm10729(+304966)	N/A
Chr3	52006885	52007132	Chr3.35544	Mam13(+97882),Gm10729(+313238)	N/A
Chr3	52007532	52007703	Chr3.35547	Mam13(+97273),Gm10729(+313847)	N/A
Chr3	52007783	52007967	Chr3.35550	Mam13(+97016),Gm10729(+314104)	N/A
Chr3	52029659	52029779	Chr3.35575	Mam13(+75172),Gm10729(+335948)	N/A
Chr3	52033721	52033928	Chr3.35585	Mam13(+71066),Gm10729(+340054)	N/A
Chr3	52033965	52034097	Chr3.35590	Mam13(+70860),Gm10729(+340260)	N/A
Chr3	52037298	52037427	Chr3.35599	Mam13(+67528),Gm10729(+343592)	N/A
Chr3	52044684	52044905	Chr3.35603	Mam13(+60106),Gm10729(+351014)	N/A
Chr3	52048253	52048390	Chr3.35615	Mam13(+56569),Gm10729(+354551)	N/A
Chr3	52058181	52058289	Chr3.35630	Mam13(+46656),Gm10729(+364644)	N/A
Chr3	52062871	52062991	Chr3.35643	Mam13(+41960),Gm10729(+369160)	N/A
Chr3	52084816	52084956	Chr3.35660	Mam13(+20005),Gm10729(+391115)	N/A
Chr3	52088048	52088162	Chr3.35672	Mam13(+16786),Gm10729(+394534)	N/A
Chr3	52088717	52088910	Chr3.35682	Mam13(+16077),Gm10729(+395043)	N/A
Chr3	52103265	52103366	Chr3.35714	Mam13(+1575),Gm10729(+409545)	N/A
Chr3	52104398	52104557	Chr3.35723	Mam13(+413)	N/A
Chr3	52104595	52104741	Chr3.35724	Mam13(+223)	N/A
Chr3	52104962	52105112	Chr3.35728	Mam13(+146)	N/A
Chr3	52105398	52105584	Chr3.35728	Mam13(+590)	N/A
Chr3	52167622	52167816	Chr3.35771	Foxo1(-100618),Mam13(-62828)	N/A
Chr3	52178678	52178884	Chr3.35799	Foxo1(-89556),Mam13(-73890)	N/A
Chr3	52184528	52184671	Chr3.35810	Foxo1(-83737),Mam13(-79709)	N/A
Chr3	52184704	52184834	Chr3.35812	Foxo1(-83568),Mam13(-79878)	N/A
Chr3	52192756	52192891	Chr3.35821	Mam13(-87533),Foxo1(-75312)	N/A
Chr3	52192923	52193210	Chr3.35823	Mam13(-88176),Foxo1(-75270)	N/A
Chr3	52196563	52196873	Chr3.35828	Mam13(-91827),Foxo1(-71619)	N/A
Chr3	52197883	52198050	Chr3.35829	Mam13(-93076),Foxo1(-70370)	N/A
Chr3	52198685	52198804	Chr3.35836	Mam13(-93854),Foxo1(-69592)	N/A
Chr3	52199988	52200111	Chr3.35837	Mam13(-95159),Foxo1(-68287)	N/A
Chr3	52219976	52211121	Chr3.35842	Mam13(-106158),Foxo1(-57288)	N/A
Chr3	8717851	8718029	Chr3.3585	Hey1(-50901),Mps28(+205978)	N/A
Chr3	52271613	52271723	Chr3.35881	Foxo1(+3331),Cog6(+745555)	N/A
Chr3	8718430	8718585	Chr3.3590	Hey1(-51469),Mps28(+205410)	N/A
Chr3	52342411	52342604	Chr3.35934	Foxo1(+74171),Cog6(+674715)	N/A
Chr3	52342676	52342986	Chr3.35936	Foxo1(+74594),Cog6(+674292)	N/A
Chr3	8719160	8719328	Chr3.3595	Hey1(-52205),Mps28(+204678)	N/A
Chr3	8720665	8720797	Chr3.3599	Hey1(-53692),Mps28(+203187)	N/A
Chr3	52349289	52349391	Chr3.35999	Foxo1(+81003),Cog6(+667883)	N/A
Chr3	52354397	52354531	Chr3.36008	Foxo1(+86127),Cog6(+662759)	N/A
Chr3	52383507	52383612	Chr3.36034	Foxo1(+115223),Cog6(+63366)	N/A
Chr3	52384385	52384512	Chr3.36042	Foxo1(+116112),Cog6(+632774)	N/A
Chr3	52401703	52401889	Chr3.36063	Foxo1(+133459),Cog6(+615427)	N/A
Chr3	52404527	52404742	Chr3.36068	Foxo1(+136298),Cog6(+612588)	N/A
Chr3	52413501	52413628	Chr3.36070	Foxo1(+145228),Cog6(+603658)	N/A
Chr3	52443867	52443966	Chr3.36078	Foxo1(+175580),Cog6(+573306)	N/A
Chr3	52444021	52444183	Chr3.36081	Foxo1(+175769),Cog6(+573121)	N/A
Chr3	87363446	8736498	Chr3.3609	Hey1(-69363),Mps28(+187496)	N/A
Chr3	8736538	8736675	Chr3.3610	Hey1(-69568),Mps28(+187311)	N/A
Chr3	52520510	52520673	Chr3.36121	Foxo1(+252255),Cog6(+496631)	N/A
Chr3	52535876	52535991	Chr3.36136	Foxo1(+267597),Cog6(+481289)	N/A
Chr3	52539994	52540161	Chr3.36142	Foxo1(+271741),Cog6(+477145)	N/A
Chr3	52601102	52601275	Chr3.36189	Foxo1(+1332852),Cog6(+418034)	N/A
Chr3	52643175	52643370	Chr3.36238	Cog6(+373950),Foxo1(+374936)	N/A
Chr3	52644188	52644407	Chr3.36244	Cog6(+372925),Foxo1(+375961)	N/A
Chr3	52685728	52686069	Chr3.36312	Cog6(+331324),Foxo1(+417562)	N/A
Chr3	8743987	8744140	Chr3.3635	Hey1(-77025),Mps28(+179854)	N/A
Chr3	8753474	8753628	Chr3.3640	Hey1(-86512),Mps28(+170367)	N/A
Chr3	52760763	52761747	Chr3.36425	Cog6(+250218),Foxo1(+489668)	N/A
Chr3	8756232	8756349	Chr3.3649	Hey1(-89252),Mps28(+167627)	N/A
Chr3	52837642	52837861	Chr3.36497	Cog6(+179471),Foxo1(+569415)	N/A
Chr3	52878459	52878583	Chr3.36537	Cog6(+138702),Foxo1(+610184)	N/A
Chr3	8761315	8761434	Chr3.3656	Hey1(-94336),Mps28(+16254)	N/A
Chr3	8769988	8770151	Chr3.3657	Hey1(-196231),Mps28(+60656)	N/A
Chr3	52963528	52963654	Chr3.36629	Cog6(+53632),Foxo1(+496254)	N/A
Chr3	52975255	52975489	Chr3.36655	Cog6(+41851),Foxo1(+707035)	N/A
Chr3	53044447	53044563	Chr3.36733	Lhfp(+2977),Nhlrc3(+418786)	N/A
Chr3	53045165	53045382	Chr3.36737	Lhfp(+3746),Nhlrc3(+418017)	N/A
Chr3	8796848	8797085	Chr3.3674	Hey1(-129528),Mps28(+126951)	N/A
Chr3	53089930	53087125	Chr3.36797	Lhfp(+45502),Nhlrc3(+376253)	N/A
Chr3	53101761	53101928	Chr3.36810	Lhfp(+60371),Nhlrc3(+361446)	N/A
Chr3	53109102	53109214	Chr3.36825	Lhfp(+67630),Nhlrc3(+354133)	N/A
Chr3	8818777	8818904	Chr3.3687	Hey1(-151802),Mps28(+105077)	N/A
Chr3	53201963	53202145	Chr3.36885	Lhfp(+160526),Nhlrc3(+261237)	N/A
Chr3	53219341	53219510	Chr3.36913	Lhfp(+177898),Nhlrc3(+243865)	N/A
Chr3	53226314	53226504	Chr3.36923	Lhfp(+194881),Nhlrc3(+236882)	N/A
Chr3	8824156	8824540	Chr3.3696	Hey1(-157309),Mps28(+99570)	N/A
Chr3	8824595	8824700	Chr3.3698	Hey1(-157609),Mps28(+99270)	N/A
Chr3	53353690	53353843	Chr3.36987	Nhlrc3(+109524),Lhfp(+312239)	N/A
Chr3	8863151	8863373	Chr3.3718	Nhlrc3(+196223),Mps28(+60656)	N/A
Chr3	8863615	8864101	Chr3.3721	Hey1(-196819),Mps28(+60689)	N/A
Chr3	53590539	53590685	Chr3.37387	Frem2(+66743),Stom3(+101885)	N/A
Chr3	53599356	53599518	Chr3.37398	Frem2(+57918),Stom3(+110710)	N/A
Chr3	8873990	8874204	Chr3.3741	Hey1(-207058),Mps28(+49821)	N/A
Chr3	53650154	53650370	Chr3.37432	Frem2(+7093),Stom3(+161535)	N/A
Chr3	53658142	53658311	Chr3.37568	Frem2(-872)	N/A
Chr3	53705887	53706044	Chr3.37599	Gm10985(-139120),Frem2(-48611)	N/A
Chr3	53706177	53706329	Chr3.37604	Gm10985(-138833),Frem2(-48898)	N/A
Chr3	53756693	53756806	Chr3.37622	Frem2(-99395),Gm10985(-88336)	N/A
Chr3	54310592	54310697	Chr3.37801	Postn(-50480),Tpc4(+154588)	N/A
Chr3	54360993	54361113	Chr3.37862	Postn(-72)	N/A
Chr3	54413433	54413584	Chr3.37953	Gm5641(-67930),Postn(+52374)	N/A
Chr3	54462185	54462203	Chr3.37964	Gm5641(-19185),Postn(+101119)	N/A

Chr3	54478032	54478202	Chr3.37975	Gm5641(-3312)	N/A
Chr3	54551987	54552168	Chr3.37994	Sup20(-140745), Gm5641(+70649)	N/A
Chr3	54552339	54552439	Chr3.38003	Sup20(-140434), Gm5641(+70960)	N/A
Chr3	54587496	54587619	Chr3.38008	Sup20(-105265), Gm5641(+106129)	N/A
Chr3	54756210	54756379	Chr3.38105	Smad9(+713)	N/A
Chr3	54756687	54756895	Chr3.38169	Smad9(+1209), Rfxap(+51000)	N/A
Chr3	54807247	54807381	Chr3.38262	Rfxap(+477)	N/A
Chr3	54965604	54965900	Chr3.38340	Serm1(-49910), Ccna1(+89258)	N/A
Chr3	55013109	55013220	Chr3.38365	Serm1(-97278), Ccna1(+11890)	N/A
Chr3	55214418	55214573	Chr3.38546	Dclk1(-38030), Soxh2(+32468)	N/A
Chr3	9110849	9110976	Chr3.3855	Tpd52(-146865), Zbtb10(-139689)	N/A
Chr3	55277970	55278081	Chr3.38618	Mab211(-504484), Dclk1(+35500)	N/A
Chr3	55307826	55308000	Chr3.38646	Mab211(-474597), Dclk1(+65387)	N/A
Chr3	55347865	55347892	Chr3.38691	Mab211(-434731), Dclk1(+105253)	N/A
Chr3	55351796	55351983	Chr3.38700	Mab211(-430620), Dclk1(+109366)	N/A
Chr3	55373830	55373996	Chr3.38720	Mab211(-408597), Dclk1(+131387)	N/A
Chr3	55380511	55380990	Chr3.38726	Mab211(-401759), Dclk1(+138225)	N/A
Chr3	55397937	55398040	Chr3.38750	Mab211(-384521), Dclk1(+155463)	N/A
Chr3	55434478	55434816	Chr3.38773	Mab211(-347863), Dclk1(+192121)	N/A
Chr3	55461800	55462088	Chr3.38802	Mab211(-320565), Dclk1(+219419)	N/A
Chr3	55466538	55467229	Chr3.38819	Mab211(-315876), Dclk1(+224108)	N/A
Chr3	55467591	55467743	Chr3.38820	Mab211(-314843), Dclk1(+225141)	N/A
Chr3	55467779	55468122	Chr3.38823	Mab211(-314559), Dclk1(+225425)	N/A
Chr3	55468237	55468586	Chr3.38828	Mab211(-314098), Dclk1(+225886)	N/A
Chr3	55473167	55473365	Chr3.38850	Mab211(-309244), Dclk1(+230740)	N/A
Chr3	55496113	55496297	Chr3.38900	Mab211(-286305), Dclk1(+253769)	N/A
Chr3	55496416	55496888	Chr3.38903	Mab211(-285858), Dclk1(+254126)	N/A
Chr3	55497605	55497770	Chr3.38906	Mab211(-284822), Dclk1(+255162)	N/A
Chr3	55511835	55512175	Chr3.38934	Mab211(-270505), Dclk1(+269479)	N/A
Chr3	9173708	9173994	Chr3.3895	Tpd52(-209803), Zbtb10(-76751)	N/A
Chr3	55517566	55517741	Chr3.38953	Mab211(-264856), Dclk1(+275128)	N/A
Chr3	55520336	55520613	Chr3.38962	Mab211(-262035), Dclk1(+277949)	N/A
Chr3	55521562	55521737	Chr3.38971	Mab211(-260860), Dclk1(+279124)	N/A
Chr3	55521773	55522208	Chr3.38974	Mab211(-260519), Dclk1(+279465)	N/A
Chr3	55522247	55522468	Chr3.38977	Mab211(-260152), Dclk1(+279832)	N/A
Chr3	55522617	55522771	Chr3.38982	Mab211(-259816), Dclk1(+280168)	N/A
Chr3	55523825	55524207	Chr3.38987	Mab211(-258494), Dclk1(+291496)	N/A
Chr3	55527140	55527244	Chr3.38992	Mab211(-255318), Dclk1(+284666)	N/A
Chr3	55532378	55532701	Chr3.39015	Mab211(-249970), Dclk1(+290014)	N/A
Chr3	9174220	9174386	Chr3.3902	Tpd52(-210255), Zbtb10(-76299)	N/A
Chr3	55535904	55536696	Chr3.39037	Mab211(-246210), Dclk1(+293774)	N/A
Chr3	55536751	55536930	Chr3.39044	Mab211(-245669), Dclk1(+294315)	N/A
Chr3	55537787	55538038	Chr3.39050	Mab211(-244598), Dclk1(+295389)	N/A
Chr3	55538274	55538854	Chr3.39057	Mab211(-243946), Dclk1(+296038)	N/A
Chr3	55539270	55539386	Chr3.39068	Mab211(-243182), Dclk1(+296802)	N/A
Chr3	55542766	55542944	Chr3.39080	Mab211(-239655), Dclk1(+300329)	N/A
Chr3	9179794	9180191	Chr3.3909	Tpd52(-218945), Zbtb10(-76069)	N/A
Chr3	55569189	55568339	Chr3.39091	Mab211(-214248), Dclk1(+325378)	N/A
Chr3	55569612	55570068	Chr3.39098	Mab211(-212670), Dclk1(+327314)	N/A
Chr3	55571797	55571951	Chr3.39109	Mab211(-210636), Dclk1(+329348)	N/A
Chr3	55572167	55572448	Chr3.39114	Mab211(-210202), Dclk1(+329782)	N/A
Chr3	55586609	55586850	Chr3.39123	Mab211(-195780), Dclk1(+344204)	N/A
Chr3	55599630	55600025	Chr3.39134	Mab211(-182682), Dclk1(+357302)	N/A
Chr3	55603632	55603998	Chr3.39144	Mab211(-181595), Dclk1(+358386)	N/A
Chr3	55612734	55613027	Chr3.39146	Mab211(-169629), Dclk1(+370355)	N/A
Chr3	55613141	55613334	Chr3.39151	Mab211(-169272), Dclk1(+370712)	N/A
Chr3	55635881	55636015	Chr3.39177	Mab211(-145662), Dclk1(+393422)	N/A
Chr3	55644392	55644538	Chr3.39201	Mab211(-138045), Dclk1(+401939)	N/A
Chr3	55649864	55650048	Chr3.39223	Mab211(-132653), Dclk1(+407373)	N/A
Chr3	55685420	55685948	Chr3.39270	Mab211(-96826), Dclk1(+443158)	N/A
Chr3	55717450	55717625	Chr3.39310	Mab211(-64972), Dclk1(+475012)	N/A
Chr3	55742868	55743041	Chr3.39347	Mab211(-39555), Dclk1(+500429)	N/A
Chr3	9217895	9218058	Chr3.3935	Tpd52(-253929), Zbtb10(-32625)	N/A
Chr3	55750639	55751142	Chr3.39353	Mab211(-31619), Dclk1(+508365)	N/A
Chr3	55751395	55751798	Chr3.39358	Mab211(-30913), Dclk1(+509071)	N/A
Chr3	55778883	55779052	Chr3.39409	Mab211(-3542)	N/A
Chr3	55779576	55779684	Chr3.39413	Mab211(-2880)	N/A
Chr3	55780072	55780189	Chr3.39417	Mab211(-2379)	N/A
Chr3	55780295	55780441	Chr3.39420	Mab211(-2142)	N/A
Chr3	55782062	55782210	Chr3.39424	Mab211(-374)	N/A
Chr3	55782241	55782575	Chr3.39430	Mab211(-102)	N/A
Chr3	55782632	55782762	Chr3.39433	Mab211(+187)	N/A
Chr3	9246141	9246363	Chr3.3945	Zbtb10(-4350)	N/A
Chr3	55784428	55784871	Chr3.39450	Mab211(+2140), Nbea(+399051)	N/A
Chr3	55787772	55787934	Chr3.39463	Mab211(+5343), Nbea(+395848)	N/A
Chr3	55789740	55789905	Chr3.39470	Mab211(+6313), Nbea(+394878)	N/A
Chr3	55815391	55815554	Chr3.39495	Mab211(+32963), Nbea(+368228)	N/A
Chr3	55815916	55816096	Chr3.39500	Mab211(+33496), Nbea(+367695)	N/A
Chr3	55828420	55828695	Chr3.39511	Mab211(+46048), Nbea(+355143)	N/A
Chr3	55828963	55829195	Chr3.39515	Mab211(+46569), Nbea(+354662)	N/A
Chr3	55829398	55829640	Chr3.39516	Mab211(+47109), Nbea(+354062)	N/A
Chr3	55830251	55830573	Chr3.39518	Mab211(+47902), Nbea(+353289)	N/A
Chr3	55888029	55888334	Chr3.39567	Mab211(+105762), Nbea(+295429)	N/A
Chr3	55888866	55889160	Chr3.39571	Mab211(+106503), Nbea(+294688)	N/A
Chr3	55890173	55890282	Chr3.39579	Mab211(+107718), Nbea(+293473)	N/A
Chr3	55892849	55893070	Chr3.39585	Mab211(+10450), Nbea(+290741)	N/A
Chr3	56181151	56181287	Chr3.39725	Nbea(+2492), Mab211(+398956)	N/A
Chr3	56182191	56182372	Chr3.39730	Nbea(+1419), Mab211(+399772)	N/A
Chr3	56302805	56303006	Chr3.39832	Nbea(-119205), F830104g03nk(+587687)	N/A
Chr3	56437928	56438241	Chr3.39927	Nbea(-254384), F830104g03nk(+452508)	N/A
Chr3	56471590	56471798	Chr3.39957	Nbea(-287993), F830104g03nk(+418899)	N/A
Chr3	56475985	56476160	Chr3.39966	Nbea(-292372), F830104g03nk(+414520)	N/A
Chr3	56479798	56480034	Chr3.39969	Nbea(-296200), F830104g03nk(+109992)	N/A
Chr3	9297500	9297800	Chr3.4008	Zbtb10(+47048), Zfp704(+312435)	N/A
Chr3	56708170	56708344	Chr3.40107	Nbea(-524556), F830104g03nk(+182336)	N/A
Chr3	56708622	56708733	Chr3.40113	Nbea(-524977), F830104g03nk(+181915)	N/A
Chr3	56810006	56810201	Chr3.40191	Nbea(-626403), F830104g03nk(+80489)	N/A
Chr3	9359105	93592683	Chr3.4043	Zbtb10(-107592), Zfp704(+251891)	N/A
Chr3	57304618	57304724	Chr3.40447	Tm4sf4(-120643), Tm4sf1(-9782)	N/A
Chr3	57344324	57344505	Chr3.40453	Tm4sf4(-80899), Tm4sf1(-49526)	N/A
Chr3	9400558	9400820	Chr3.4047	Zbtb10(+150087), Zfp704(+209396)	N/A
Chr3	9407173	9407306	Chr3.4051	Zbtb10(+156638), Zfp704(+202845)	N/A
Chr3	57471497	57471603	Chr3.40539	Tm4sf4(+6239), Wwtr1(+104360)	N/A
Chr3	57475271	57475412	Chr3.40545	Tm4sf4(+50028), Wwtr1(+100568)	N/A
Chr3	57487503	57487769	Chr3.40566	Tm4sf4(+62322), Wwtr1(+88274)	N/A
Chr3	57487820	57487937	Chr3.40571	Tm4sf4(+62565), Wwtr1(+88031)	N/A
Chr3	57493950	57494141	Chr3.40576	Tm4sf4(+68732), Wwtr1(+81864)	N/A
Chr3	57530921	57531239	Chr3.40623	Wwtr1(+44830), Tm4sf4(+105766)	N/A
Chr3	57535836	57535999	Chr3.40634	Wwtr1(+39962), Tm4sf4(+106094)	N/A
Chr3	57541838	57542043	Chr3.40641	Wwtr1(+33969), Tm4sf4(+116627)	N/A
Chr3	57544301	57544411	Chr3.40649	Wwtr1(+31554), Tm4sf4(+119042)	N/A
Chr3	57562999	57563259	Chr3.40675	Wwtr1(+12781), Tm4sf4(+137815)	N/A
Chr3	57576300	57576415	Chr3.40703	Wwtr1(-448)	N/A
Chr3	57576570	57576679	Chr3.40707	Wwtr1(-715)	N/A
Chr3	57604644	57604867	Chr3.40720	Wwtr1(-28846), Comm2(+46937)	N/A
Chr3	57738009	57736144	Chr3.40786	Rnf13(+11)	N/A
Chr3	57846008	57846201	Chr3.40856	Phf2(+1459), Rnf13(+110039)	N/A
Chr3	57846831	57846957	Chr3.40860	Phf2(+670)	N/A
Chr3	57968266	57968442	Chr3.40884	Tsc22d2(-447335), Phf2(-120790)	N/A
Chr3	57976834	57977090	Chr3.40889	Tsc22d2(-438727), Phf2(-129398)	N/A
Chr3	58112676	58112770	Chr3.40936	Tsc22d2(-302861), Phf2(-265154)	N/A
Chr3	58116987	58117168	Chr3.40940	Tsc22d2(-298611), Phf2(-269514)	N/A
Chr3	58135799	58135976	Chr3.40952	Phf2(-288324), Tsc22d2(-279801)	N/A
Chr3	58136055	58136220	Chr3.40955	Phf2(-288574), Tsc22d2(-279551)	N/A
Chr3	58168833	58168941	Chr3.40973	Phf2(-321323), Tsc22d2(-246802)	N/A
Chr3	58204215	58204215	Chr3.40992	Phf2(-368571), Tsc22d2(-215554)	N/A
Chr3	58206470	58206638	Chr3.40998	Phf2(-359990), Tsc22d2(-209135)	N/A
Chr3	58211207	58211372	Chr3.41009	Phf2(-363726), Tsc22d2(-204399)	N/A
Chr3	58267773	58267876	Chr3.41053	Phf2(-420261), Tsc22d2(-147864)	N/A
Chr3	58334191	58334291	Chr3.41098	Phf2(-486677), Tsc22d2(-81448)	N/A
Chr3	58335527	58335653	Chr3.41105	Phf2(-488628), Tsc22d2(-80099)	N/A
Chr3	58336359	58336491	Chr3.41111	Phf2(-488861), Tsc22d2(-79264)	N/A
Chr3	58372153	58372268	Chr3.41147	Phf2(-524647), Tsc22d2(-43478)	N/A
Chr3	58372467	58372743	Chr3.41150	Phf2(-525041), Tsc22d2(-43084)	N/A
Chr3	58413983	58414248	Chr3.41199	Tsc22d2(-1573)	N/A
Chr3	58418741	58418893	Chr3.41230	Elf2a(-107004), Tsc22d2(-3128)	N/A
Chr3	58420374	58420521	Chr3.41238	Elf2a(-10573), Tsc22d2(-4759)	N/A
Chr3	58525920	58526094	Chr3.41329	Serp1(-134), Elf2a(+186)	N/A

Chr3	58729461	58729571	Chr3.41485	<i>Siah2(-37116), C1m1(+155696)</i>	N/A
Chr3	58810455	58810565	Chr3.41545	<i>Siah2(-18110), C1m1(+74702)</i>	N/A
Chr3	59480911	59481012	Chr3.41172	<i>Zfp704(+129123), Zbtb10(+230360)</i>	N/A
Chr3	59068880	59068996	Chr3.41187	<i>Gpr17(+34683), Med12(+59960)</i>	N/A
Chr3	59181940	59182068	Chr3.41994	<i>Gpr87(-1919)</i>	N/A
Chr3	59195097	59195225	Chr3.42013	<i>Gpr87(-15076), P2ry13(+15721)</i>	N/A
Chr3	9500703	9500949	Chr3.4203	<i>Zfp704(+109259), Zbtb10(+250224)</i>	N/A
Chr3	9500997	9501122	Chr3.4209	<i>Zfp704(+109025), Zbtb10(+250458)</i>	N/A
Chr3	9513790	9514025	Chr3.4213	<i>Zfp704(+96183), Zbtb10(+263307)</i>	N/A
Chr3	9519717	9519818	Chr3.4224	<i>Zfp704(+90317), Zbtb10(+269166)</i>	N/A
Chr3	9520588	9520703	Chr3.4233	<i>Zfp704(+89439), Zbtb10(+270044)</i>	N/A
Chr3	9520738	9520849	Chr3.4234	<i>Zfp704(+89291), Zbtb10(+270192)</i>	N/A
Chr3	9523878	9524029	Chr3.4236	<i>Zfp704(+86131), Zbtb10(+273352)</i>	N/A
Chr3	9526497	9526608	Chr3.4240	<i>Zfp704(+83532), Zbtb10(+275951)</i>	N/A
Chr3	9547596	9547848	Chr3.4245	<i>Zfp704(+62363), Zbtb10(+297120)</i>	N/A
Chr3	9549022	9550177	Chr3.4246	<i>Zfp704(+60035), Zbtb10(+299448)</i>	N/A
Chr3	59360252	59360355	Chr3.42514	<i>Igsl10(-16048), Gm5709(+275429)</i>	N/A
Chr3	9584424	9584527	Chr3.4283	<i>Zfp704(+25609), Zbtb10(+333874)</i>	N/A
Chr3	9607879	9607982	Chr3.4288	<i>Zfp704(+2154), Zbtb10(+357329)</i>	N/A
Chr3	9608422	9608578	Chr3.4293	<i>Zfp704(+1585), Zbtb10(+357898)</i>	N/A
Chr3	60124399	60124461	Chr3.42966	<i>Mbnl1(-378722), Suncr1(+42651)</i>	N/A
Chr3	60135882	60136054	Chr3.42982	<i>Mbnl1(-365284), Suncr1(+54099)</i>	N/A
Chr3	60140223	60140514	Chr3.42983	<i>Mbnl1(-360883), Suncr1(+58500)</i>	N/A
Chr3	9630066	9630231	Chr3.4300	<i>Zfp704(-20064), Pag1(+203530)</i>	N/A
Chr3	60409237	60409456	Chr3.43079	<i>Mbnl1(-91905), Suncr1(-327478)</i>	N/A
Chr3	6044461	60444679	Chr3.43084	<i>Mbnl1(-56632), Suncr1(+362751)</i>	N/A
Chr3	60499152	60499286	Chr3.43117	<i>Mbnl1(-2033)</i>	N/A
Chr3	60501234	60501429	Chr3.43120	<i>Mbnl1(+80)</i>	N/A
Chr3	60501738	60501983	Chr3.43122	<i>Mbnl1(+609)</i>	N/A
Chr3	60502015	60502168	Chr3.43125	<i>Mbnl1(+840)</i>	N/A
Chr3	60502988	60503198	Chr3.43131	<i>Gm8325(-373915), Mbnl1(+1845)</i>	N/A
Chr3	60503299	60503426	Chr3.43137	<i>Gm8325(-373649), Mbnl1(+2111)</i>	N/A
Chr3	60504408	60504713	Chr3.43142	<i>Gm8325(-372451), Mbnl1(+3309)</i>	N/A
Chr3	60504878	60504999	Chr3.43146	<i>Gm8325(-372073), Mbnl1(+3687)</i>	N/A
Chr3	60527733	60528524	Chr3.43172	<i>Gm8325(-348883), Mbnl1(+26877)</i>	N/A
Chr3	60528655	60528900	Chr3.43177	<i>Gm8325(-348234), Mbnl1(+27526)</i>	N/A
Chr3	60529142	60529411	Chr3.43179	<i>Gm8325(-347735), Mbnl1(+28025)</i>	N/A
Chr3	60531201	60531594	Chr3.43190	<i>Gm8325(-345614), Mbnl1(+30146)</i>	N/A
Chr3	60531981	60532123	Chr3.43196	<i>Gm8325(-344960), Mbnl1(+30800)</i>	N/A
Chr3	60575464	60575579	Chr3.43261	<i>Gm8325(-301490), Mbnl1(+74270)</i>	N/A
Chr3	60576475	60576634	Chr3.43271	<i>Gm8325(-300457), Mbnl1(+75303)</i>	N/A
Chr3	60576813	60576936	Chr3.43275	<i>Gm8325(-300137), Mbnl1(+75623)</i>	N/A
Chr3	60785638	60785789	Chr3.43426	<i>Gm8325(-91293), Mbnl1(+264467)</i>	N/A
Chr3	61348839	61348945	Chr3.43681	<i>Rap2b(-15615), P2ry1(+346097)</i>	N/A
Chr3	61366133	61366391	Chr3.43705	<i>B43030503nik(-311)</i>	N/A
Chr3	61366521	61366794	Chr3.43706	<i>B43030503nik(-707)</i>	N/A
Chr3	61368995	61367072	Chr3.43710	<i>B43030503nik(-1033)</i>	N/A
Chr3	61805340	61805340	Chr3.43876	<i>Atgaf26(-633054), B43030503nik(-493339)</i>	N/A
Chr3	62392578	62392788	Chr3.44110	<i>Atgaf26(+54339), Dhs36(+114321)</i>	N/A
Chr3	9751209	9751359	Chr3.4414	<i>Zfp704(-141199), Pag1(+82395)</i>	N/A
Chr3	9751648	9751784	Chr3.4416	<i>Zfp704(-141631), Pag1(+81963)</i>	N/A
Chr3	63137851	63138093	Chr3.44454	<i>Gpr149(-532832), Mme(-157900)</i>	N/A
Chr3	63182948	63183078	Chr3.44480	<i>Gpr149(-571873), Mme(-112859)</i>	N/A
Chr3	63187974	63188239	Chr3.44483	<i>Gpr149(-582967), Mme(-107765)</i>	N/A
Chr3	9782309	9782476	Chr3.4460	<i>Zfp704(-172308), Pag1(+51286)</i>	N/A
Chr3	9783135	9783239	Chr3.4463	<i>Zfp704(-173102), Pag1(+50492)</i>	N/A
Chr3	63413479	63413635	Chr3.44675	<i>Mme(+117685), Pich1(+437434)</i>	N/A
Chr3	63815234	63815362	Chr3.44902	<i>Pich1(+35693), Mme(+519426)</i>	N/A
Chr3	63851111	63851330	Chr3.44932	<i>Pich1(-230)</i>	N/A
Chr3	63870648	63870792	Chr3.44967	<i>Pich1(-19729), E130311k13nik(+58752)</i>	N/A
Chr3	63871422	63871564	Chr3.44971	<i>Pich1(-20502), E130311k13nik(+57979)</i>	N/A
Chr3	63900175	63900428	Chr3.44996	<i>Pich1(-49311), E130311k13nik(+29170)</i>	N/A
Chr3	3507949	3508097	Chr3.45	<i>Hnf4g(-7)</i>	N/A
Chr3	63900532	63900662	Chr3.45001	<i>Pich1(-49606), E130311k13nik(+28875)</i>	N/A
Chr3	9833414	9832572	Chr3.4512	<i>Zfp704(-223408), Pag1(+1186)</i>	N/A
Chr3	9839972	9840255	Chr3.4518	<i>Fabp5(-172434), Pag1(-6435)</i>	N/A
Chr3	64949082	64949221	Chr3.45888	<i>Vmn27(-229550), Kcnab1(-160232)</i>	N/A
Chr3	64949258	64949538	Chr3.45892	<i>Vmn27(-229796), Kcnab1(-159986)</i>	N/A
Chr3	65435499	65435639	Chr3.46227	<i>Tiparp(-92841), Sor3(-42946)</i>	N/A
Chr3	65537448	65537678	Chr3.46325	<i>Lekr1(-128665), 493144Op22nik(-9194)</i>	N/A
Chr3	65587554	65588081	Chr3.46417	<i>Lekr1(-78210), 493144Op22nik(-58639)</i>	N/A
Chr3	65588246	65598354	Chr3.46420	<i>493144Op22nik(-68921), Lekr1(-67928)</i>	N/A
Chr3	65598539	65598678	Chr3.46423	<i>493144Op22nik(-69230), Lekr1(-67619)</i>	N/A
Chr3	65598713	65598841	Chr3.46424	<i>493144Op22nik(-69398), Lekr1(-67451)</i>	N/A
Chr3	9987312	9987430	Chr3.4646	<i>Pag1(-153692), Fabp5(-25177)</i>	N/A
Chr3	65627373	65627594	Chr3.46464	<i>493144Op22nik(-98105), Lekr1(-38744)</i>	N/A
Chr3	65647956	65648117	Chr3.46485	<i>493144Op22nik(-118658), Lekr1(-18191)</i>	N/A
Chr3	65654878	65655176	Chr3.46497	<i>493144Op22nik(-125648), Lekr1(-11201)</i>	N/A
Chr3	65658476	65658591	Chr3.46513	<i>493144Op22nik(-129155), Lekr1(-7694)</i>	N/A
Chr3	65666217	65666316	Chr3.46521	<i>Lekr1(+39)</i>	N/A
Chr3	65708439	65708650	Chr3.46556	<i>Lekr1(+42273), Ccnf1(+249748)</i>	N/A
Chr3	65732900	65737842	Chr3.46590	<i>Lekr1(+101288), Ccnf1(+160733)</i>	N/A
Chr3	65819770	65820098	Chr3.46627	<i>Ccnf1(+138315), Lekr1(+153706)</i>	N/A
Chr3	65830743	65830901	Chr3.46650	<i>Ccnf1(+127427), Lekr1(+164594)</i>	N/A
Chr3	65858097	65858268	Chr3.46670	<i>Ccnf1(+100066), Lekr1(+191955)</i>	N/A
Chr3	65861518	65861678	Chr3.46674	<i>Ccnf1(+96651), Lekr1(+195370)</i>	N/A
Chr3	65955020	65955332	Chr3.46745	<i>Ccnf1(+3073), Lekr1(+288948)</i>	N/A
Chr3	65956272	65956674	Chr3.46748	<i>Ccnf1(+1776), Lekr1(+290245)</i>	N/A
Chr3	66108964	66109211	Chr3.46847	<i>Ccnf1(-150839), Ptx3(-110822)</i>	N/A
Chr3	66162738	66162952	Chr3.46908	<i>Ccnf1(-204596), Ptx3(-57065)</i>	N/A
Chr3	66163023	66163126	Chr3.46911	<i>Ccnf1(-204826), Ptx3(-56835)</i>	N/A
Chr3	66166972	66167108	Chr3.46914	<i>Ccnf1(-208791), Ptx3(-52870)</i>	N/A
Chr3	66169790	66169978	Chr3.46921	<i>Ccnf1(-211335), Ptx3(-50026)</i>	N/A
Chr3	66194139	66194298	Chr3.46937	<i>Ccnf1(-235970), Ptx3(-25691)</i>	N/A
Chr3	66216252	66216360	Chr3.46976	<i>Ptx3(-3604)</i>	N/A
Chr3	66315423	66315540	Chr3.47076	<i>Veph1(-18645), Shox2(+666289)</i>	N/A
Chr3	66326415	66326584	Chr3.47093	<i>Veph1(-29663), Shox2(+655271)</i>	N/A
Chr3	66373940	66374249	Chr3.47119	<i>Veph1(-172556), Shox2(+607676)</i>	N/A
Chr3	66374617	66375028	Chr3.47130	<i>Veph1(-77996), Shox2(+606948)</i>	N/A
Chr3	66400954	66401258	Chr3.47156	<i>Veph1(-104269), Shox2(+580665)</i>	N/A
Chr3	66515599	66515743	Chr3.47300	<i>Veph1(-218834), Shox2(+466100)</i>	N/A
Chr3	66516065	66516285	Chr3.47303	<i>Veph1(-219338), Shox2(+465596)</i>	N/A
Chr3	66543839	66543964	Chr3.47341	<i>Veph1(-247065), Shox2(+437869)</i>	N/A
Chr3	66573326	66573726	Chr3.47379	<i>Veph1(-276689), Shox2(+408245)</i>	N/A
Chr3	66574012	66574444	Chr3.47384	<i>Veph1(-277391), Shox2(+407543)</i>	N/A
Chr3	66575141	66575305	Chr3.47395	<i>Veph1(-278386), Shox2(+406548)</i>	N/A
Chr3	66585689	66585928	Chr3.47414	<i>Veph1(-288972), Shox2(+395962)</i>	N/A
Chr3	66701811	66701944	Chr3.47573	<i>Veph1(-405041), Shox2(+279893)</i>	N/A
Chr3	66739189	66739290	Chr3.47621	<i>Veph1(-442403), Shox2(+242531)</i>	N/A
Chr3	66797223	66797840	Chr3.47714	<i>Veph1(-500845), Shox2(+194099)</i>	N/A
Chr3	66813962	66814067	Chr3.47752	<i>Veph1(-517178), Shox2(+167756)</i>	N/A
Chr3	66976840	66977070	Chr3.47956	<i>Veph1(-680118), Shox2(+4816)</i>	N/A
Chr3	66977152	66977418	Chr3.47959	<i>Veph1(-680448), Shox2(+4486)</i>	N/A
Chr3	66977671	66978007	Chr3.47963	<i>Veph1(-681002), Shox2(+34932)</i>	N/A
Chr3	66978261	66978385	Chr3.47971	<i>Veph1(-682486), Shox2(+2448)</i>	N/A
Chr3	66980191	66980430	Chr3.47975	<i>Veph1(-683438), Shox2(+1496)</i>	N/A
Chr3	10211581	10211700	Chr3.4798	<i>Fabp4(-3065)</i>	N/A
Chr3	66981834	66981988	Chr3.47985	<i>Rarc1(-3781), Shox2(-140)</i>	N/A
Chr3	66982276	66982443	Chr3.47988	<i>Rarc1(-3312), Shox2(-589)</i>	N/A
Chr3	66982589	66982674	Chr3.47994	<i>Shox2(-3611), Rarc1(-290)</i>	N/A
Chr3	66985616	66985718	Chr3.47998	<i>Shox2(-3896), Rarc1(-5)</i>	N/A
Chr3	10213892	10214028	Chr3.4803	<i>Fabp4(-5384), Fabp2(+87223)</i>	N/A
Chr3	67309933	67310342	Chr3.48225	<i>Mif1(-64010), Rsrc1(+324466)</i>	N/A
Chr3	67351546	67351683	Chr3.48271	<i>Mif1(-22533), Rsrc1(+365943)</i>	N/A
Chr3	67892055	67892352	Chr3.48787	<i>Iqg1(-16)</i>	N/A
Chr3	67954611	67954845	Chr3.48883	<i>Schip1(-110074), Iqg1(+62508)</i>	N/A
Chr3	67983510	67983624	Chr3.48923	<i>Schip1(-81235), Iqg1(+91347)</i>	N/A
Chr3	68306618	68306754	Chr3.49297	<i>Il12a(-383958), Schip1(+241884)</i>	N/A
Chr3	68468109	68468235	Chr3.49416	<i>Il12a(-222472), Schip1(+403370)</i>	N/A
Chr3	68468342	68468453	Chr3.49419	<i>Il12a(-222246), Schip1(+403596)</i>	N/A
Chr3	68513825	68513949	Chr3.49488	<i>Il12a(-170757), Schip1(+449065)</i>	N/A
Chr3	68572145	68572377	Chr3.49520	<i>Il12a(-118335), Schip1(+507495)</i>	N/A
Chr3	68584297	68584515	Chr3.49556	<i>Il12a(-106238), Schip1(+519604)</i>	N/A
Chr3	68584820	68585053	Chr3.49558	<i>Il12a(-105657), Schip1(+520185)</i>	N/A
Chr3	68586642	68586744	Chr3.49559	<i>Il12a(-103951), Schip1(+521891)</i>	N/A
Chr3	68587822	68588069	Chr3.49563	<i>Il12a(-102698), Schip1(+523144)</i>	N/A
Chr3	68587952	68587952	Chr3.49746	<i>111003204nik(-81732), Il12a(+97210)</i>	N/A
Chr3	68648294	68648463	Chr3.49787	<i>111003204nik(-21212), Il12a(+157330)</i>	N/A

Chr3	68869089	68869214	Chr3.49806	1110032f04rik(-434)	N/A
Chr3	69004862	69005013	Chr3.49908	lft80(-395),Smc4(+200)	N/A
Chr3	69125895	69126145	Chr3.50067	Trm59(-81265),Kpn4(+1093)	N/A
Chr3	69336183	69336309	Chr3.50177	Ppm1l(+19335),B3galt1(+262615)	N/A
Chr3	69469315	69469446	Chr3.50311	B3galt1(+129480),Ppm1l(+152520)	N/A
Chr3	69469574	69469810	Chr3.50315	B3galt1(+129169),Ppm1l(+152831)	N/A
Chr3	69480123	69480230	Chr3.50335	B3galt1(+118684),Ppm1l(+163316)	N/A
Chr3	69503936	69504083	Chr3.50373	B3galt1(+94851),Ppm1l(+187149)	N/A
Chr3	69520379	69520566	Chr3.50393	B3galt1(+178388),Ppm1l(+203612)	N/A
Chr3	69706066	69706203	Chr3.50468	B3galt1(+110284),Ame3(-12840)	N/A
Chr3	70001450	70001558	Chr3.50616	Sptssb(-141608),Ota1(-8109)	N/A
Chr3	70123298	70123430	Chr3.50822	Ota1(+115751)	N/A
Chr3	70138449	70138591	Chr3.50850	Ota1(+130907)	N/A
Chr3	70138629	70138750	Chr3.50853	Ota1(+131077)	N/A
Chr3	10685155	10685268	Chr3.5088	Srx16(-245068)	N/A
Chr3	10686114	10686279	Chr3.5097	Srx16(-246073)	N/A
Chr3	10686814	10686989	Chr3.5103	Srx16(-246778)	N/A
Chr3	70457738	70457854	Chr3.51088	Ota1(+450183)	N/A
Chr3	70501176	70501290	Chr3.51145	Ota1(+493620)	N/A
Chr3	70501379	70501543	Chr3.51148	Ota1(+493846)	N/A
Chr3	70501578	70501752	Chr3.51152	Ota1(+494052)	N/A
Chr3	70873779	70873985	Chr3.51284	Ota1(+866269)	N/A
Chr3	70874260	70874406	Chr3.51286	Ota1(+866720)	N/A
Chr3	71096290	71096480	Chr3.51325	None	N/A
Chr3	73053388	73053510	Chr3.51846	Sia(-85586),Slitrk3(+3494)	N/A
Chr3	73056672	73056793	Chr3.51864	Slitrk3(+210)	N/A
Chr3	73057611	73057795	Chr3.51875	Slitrk3(-760)	N/A
Chr3	73066463	73066662	Chr3.51890	Slitrk3(-9620),Bche(+641852)	N/A
Chr3	73708150	73708366	Chr3.52107	Bche(+157)	N/A
Chr3	75556494	75556621	Chr3.52760	Serpini1(-989),Pdcd10(+298)	N/A
Chr3	75556716	75556879	Chr3.52762	Serpini1(-749),Pdcd10(+58)	N/A
Chr3	75557449	75557560	Chr3.52765	Pdcd10(-649),Serpini1(-42)	N/A
Chr3	75558009	75558168	Chr3.52772	Pdcd10(-1233),Serpini1(+542)	N/A
Chr3	75954844	75955025	Chr3.53062	Golim4(+1994),Serpini1(+397388)	N/A
Chr3	78576023	78576164	Chr3.53582	Gm5277(+316357)	N/A
Chr3	78901177	78901381	Chr3.53742	Gm5277(-8828),Rapgef2(+244596)	N/A
Chr3	78901488	78901600	Chr3.53747	Gm5277(-9093),Rapgef2(+244331)	N/A
Chr3	78901676	78901904	Chr3.53748	Gm5277(-9339),Rapgef2(+244085)	N/A
Chr3	79071670	79071784	Chr3.53880	Gm5277(-179276),Rapgef2(+74148)	N/A
Chr3	79144175	79144283	Chr3.53989	Gm5277(-251778),Rapgef2(+1646)	N/A
Chr3	79144835	79145008	Chr3.53992	Rapgef2(+953)	N/A
Chr3	79145459	79145604	Chr3.53996	Rapgef2(+325)	N/A
Chr3	79145771	79146291	Chr3.53997	Rapgef2(+156)	N/A
Chr3	79161433	79161727	Chr3.54005	Rapgef2(-15705),Frip2(+406099)	N/A
Chr3	79181351	79181586	Chr3.54035	Rapgef2(-35594),Frip2(+386210)	N/A
Chr3	79193026	79193129	Chr3.54055	Rapgef2(-47203),Frip2(+374601)	N/A
Chr3	79253027	79253206	Chr3.54087	Rapgef2(-107242),Frip2(+314562)	N/A
Chr3	79324750	79324937	Chr3.54154	Rapgef2(-178959),Frip2(+242635)	N/A
Chr3	79360602	79360871	Chr3.54170	Rapgef2(-214862),Frip2(+206942)	N/A
Chr3	79417097	79417253	Chr3.54202	Rapgef2(-271300),Frip2(+150504)	N/A
Chr3	79516103	79516217	Chr3.54341	Rapgef2(-370285),Frip2(+51519)	N/A
Chr3	79529276	79529377	Chr3.54351	Rapgef2(-383452),Frip2(+38352)	N/A
Chr3	79559098	79559230	Chr3.54375	Rapgef2(-413289),Frip2(+8515)	N/A
Chr3	79859090	79859242	Chr3.54618	Gask1b(+633)	N/A
Chr3	79858592	79860019	Chr3.54620	Gask1b(+1423),Gria2(+916835)	N/A
Chr3	79897610	79897836	Chr3.54645	Gask1b(+13190),Gria2(+905068)	N/A
Chr3	79904276	79904547	Chr3.54650	Gask1b(+19879),Gria2(+898379)	N/A
Chr3	79908091	79908341	Chr3.54661	Gask1b(+23683),Gria2(+894575)	N/A
Chr3	79926291	79926493	Chr3.54684	Gask1b(+51859),Gria2(+866399)	N/A
Chr3	79976940	79976999	Chr3.54724	Gask1b(+92387),Gria2(+826871)	N/A
Chr3	80042747	80043045	Chr3.54748	Gask1b(+158363),Gria2(+759895)	N/A
Chr3	80372884	80373013	Chr3.54895	Gria2(+429842),Gask1b(+488416)	N/A
Chr3	80802536	80802670	Chr3.55107	Gria2(+188)	N/A
Chr3	80878605	80878872	Chr3.55172	Gria2(-75978),Grlb(+34891)	N/A
Chr3	81030371	81030587	Chr3.55231	Grlb(-116819),Pdgtc(-5937)	N/A
Chr3	81037158	81037343	Chr3.55250	Pdgtc(+839)	N/A
Chr3	81038130	81038547	Chr3.55254	Pdgtc(+1923),Gm9989(+886124)	N/A
Chr3	81038872	81039035	Chr3.55258	Pdgtc(+2538),Gm9989(+885509)	N/A
Chr3	81039338	81039502	Chr3.55262	Pdgtc(+3004),Gm9989(+885043)	N/A
Chr3	81047317	81047647	Chr3.55276	Pdgtc(+11066),Gm9989(+876981)	N/A
Chr3	81058806	81058915	Chr3.55296	Pdgtc(+22449),Gm9989(+865602)	N/A
Chr3	81170468	81170714	Chr3.55382	Pdgtc(+134175),Gm9989(+753872)	N/A
Chr3	81205518	81205655	Chr3.55435	Pdgtc(+169171),Gm9989(+718876)	N/A
Chr3	81205854	81206024	Chr3.55440	Pdgtc(+169523),Gm9989(+718524)	N/A
Chr3	81206063	81206187	Chr3.55443	Pdgtc(+169709),Gm9989(+718338)	N/A
Chr3	81206806	81207080	Chr3.55446	Pdgtc(+170527),Gm9989(+717529)	N/A
Chr3	81221731	81221896	Chr3.55479	Pdgtc(+185398),Gm9989(+702649)	N/A
Chr3	81292479	81292731	Chr3.55504	Pdgtc(+256189),Gm9989(+631858)	N/A
Chr3	81293320	81293563	Chr3.55510	Pdgtc(+257026),Gm9989(+631021)	N/A
Chr3	81367897	81368087	Chr3.55553	Pdgtc(+331576),Gm9989(+556471)	N/A
Chr3	81377543	81377673	Chr3.55567	Pdgtc(+341193),Gm9989(+546504)	N/A
Chr3	81377704	81377803	Chr3.55568	Pdgtc(+341388),Gm9989(+546709)	N/A
Chr3	81377940	81378076	Chr3.55571	Pdgtc(+341592),Gm9989(+546455)	N/A
Chr3	81406131	81406249	Chr3.55591	Pdgtc(+371774),Gm9989(+516273)	N/A
Chr3	82250392	82250513	Chr3.56088	Map9(-107619),Gucy1a1(-104576)	N/A
Chr3	83089821	83089871	Chr3.56560	Gm10710(-30560),Plg1(+43164)	N/A
Chr3	83089784	83089970	Chr3.56564	Gm10710(-30369),Plg1(+43355)	N/A
Chr3	83155814	83155924	Chr3.56693	Sfp2(-610452),Gm10710(-26623)	N/A
Chr3	83175535	83175715	Chr3.56716	Sfp2(-590696),Gm10710(-46379)	N/A
Chr3	83222768	83222974	Chr3.56748	Sfp2(-543450),Gm10710(-93625)	N/A
Chr3	83246743	83246866	Chr3.56769	Sfp2(-519516),Gm10710(-17559)	N/A
Chr3	83252092	83252221	Chr3.56799	Sfp2(-514164),Gm10710(-122911)	N/A
Chr3	83283498	83283519	Chr3.56851	Sfp2(-477887),Gm10710(-159188)	N/A
Chr3	83300082	83300225	Chr3.56963	Sfp2(-466167),Gm10710(-170908)	N/A
Chr3	83358342	83358752	Chr3.57211	Sfp2(-407774),Gm10710(-229301)	N/A
Chr3	83446252	83446533	Chr3.57257	Sfp2(-319928),Gm10710(-317147)	N/A
Chr3	83518959	83519084	Chr3.57327	Gm10710(-389776),Sfp2(-247299)	N/A
Chr3	83530623	83530894	Chr3.57338	Gm10710(-401513),Sfp2(-236566)	N/A
Chr3	83541256	83541695	Chr3.57356	Gm10710(-412230),Sfp2(-224845)	N/A
Chr3	83562490	83562651	Chr3.57401	Gm10710(-433325),Sfp2(-203750)	N/A
Chr3	83571042	83571190	Chr3.57410	Gm10710(-441870),Sfp2(-195205)	N/A
Chr3	83601853	83602003	Chr3.57438	Gm10710(-472682),Sfp2(-164393)	N/A
Chr3	83602032	83602195	Chr3.57440	Gm10710(-472868),Sfp2(-164207)	N/A
Chr3	83603937	83603968	Chr3.57448	Gm10710(-480216),Sfp2(-156859)	N/A
Chr3	83617387	83617589	Chr3.57463	Gm10710(-488242),Sfp2(-148833)	N/A
Chr3	83710977	83711174	Chr3.57546	Gm10710(-581830),Sfp2(-55245)	N/A
Chr3	83722927	83723222	Chr3.57555	Gm10710(-593829),Sfp2(-43246)	N/A
Chr3	83733817	83733977	Chr3.57572	Gm10710(-604651),Sfp2(-32424)	N/A
Chr3	83734155	83734553	Chr3.57577	Gm10710(-605108),Sfp2(-31967)	N/A
Chr3	83755955	83755777	Chr3.57592	Gm10710(-626439),Sfp2(-10640)	N/A
Chr3	83767734	83768043	Chr3.57618	Sfp2(+1568),Tir2(+73878)	N/A
Chr3	83772339	83772508	Chr3.57627	Sfp2(+6103),Tir2(+69343)	N/A
Chr3	83783984	83784132	Chr3.57642	Sfp2(+17737),Tir2(+57709)	N/A
Chr3	83784275	83784391	Chr3.57644	Sfp2(+18012),Tir2(+57434)	N/A
Chr3	83803588	83803729	Chr3.57658	Tir2(+33108),Sfp2(+42338)	N/A
Chr3	83865288	83865431	Chr3.57950	Tir2(-123593),Tmem131l(+74801)	N/A
Chr3	83860358	83860488	Chr3.57954	Tir2(-138656),Tmem131l(+59738)	N/A
Chr3	83864534	83864743	Chr3.57959	Tir2(-142872),Tmem131l(+55522)	N/A
Chr3	84038704	84038865	Chr3.57993	Tir2(-197018),Tmem131l(+1376)	N/A
Chr3	84038071	84039186	Chr3.57996	Tir2(-197362),Tmem131l(+1032)	N/A
Chr3	84060221	84060347	Chr3.58015	Tmem131l(-20123),Mnd1(+69502)	N/A
Chr3	84080838	84080959	Chr3.58026	Tmem131l(-40738),Mnd1(+74887)	N/A
Chr3	84086990	84087183	Chr3.58028	Tmem131l(-46926),Mnd1(+68699)	N/A
Chr3	84164402	84164537	Chr3.58082	Mnd1(-8884),Trim2(+95342)	N/A
Chr3	84201008	84201223	Chr3.58138	Mnd1(-45330),Trim2(+58696)	N/A
Chr3	84220706	84220967	Chr3.58165	Mnd1(-45051),Trim2(+38975)	N/A
Chr3	84235594	84235734	Chr3.58169	Mnd1(-79878),Trim2(+24148)	N/A
Chr3	84270114	84270232	Chr3.58185	Trim2(-10361),Fhdcl(+209318)	N/A
Chr3	84270700	84270898	Chr3.58191	Trim2(-10987),Fhdcl(+208692)	N/A
Chr3	84466998	84467134	Chr3.58379	Trim2(-207254),Fhdcl(+12425)	N/A
Chr3	84513246	84513420	Chr3.58444	Fhdcl(-133842),Afp1(+69292)	N/A
Chr3	84602396	84602511	Chr3.58525	Tmem154(-63738),Tigd4(+8880)	N/A
Chr3	84666144	84666294	Chr3.58544	Tmem154(+27)	N/A
Chr3	84687399	84687541	Chr3.58560	Fbxw7(-127798),Tmem154(+21278)	N/A
Chr3	84732300	84732532	Chr3.58602	Fbxw7(-82852),Tmem154(+66224)	N/A
Chr3	84740279	84740486	Chr3.58609	Fbxw7(-74895),Tmem154(+74181)	N/A
Chr3	84745825	84745825	Chr3.58624	Fbxw7(-69529),Tmem154(+75647)	N/A
Chr3	84745880	84746029	Chr3.58626	Fbxw7(-69313),Tmem154(+79753)	N/A

Chr3	84774448	84774850	Chr3.58635	Fbxw7(-40619),Tmem154(+108457)	N/A
Chr3	84814553	84814654	Chr3.58657	Fbxw7(-664)	N/A
Chr3	84925367	84925624	Chr3.58702	Gatb(-648673),Fbxw7(+110178)	N/A
Chr3	84951906	84952005	Chr3.58749	Gatb(-622163),Fbxw7(+136688)	N/A
Chr3	84952159	84952322	Chr3.58752	Gatb(-621878),Fbxw7(+136973)	N/A
Chr3	84952468	84952647	Chr3.58755	Gatb(-621561),Fbxw7(+137290)	N/A
Chr3	85063834	85063951	Chr3.58910	Gatb(-510226),Fbxw7(+248625)	N/A
Chr3	13471802	13471964	Chr3.5899	Raly(-304965)	N/A
Chr3	85174868	85175125	Chr3.59038	Gatb(-399072),Fbxw7(+359779)	N/A
Chr3	85176787	85186984	Chr3.59056	Gatb(-387278),Fbxw7(+371573)	N/A
Chr3	13472722	13472837	Chr3.5906	Raly(-304068)	N/A
Chr3	85274496	85274638	Chr3.59144	Gatb(-299552),Fbxw7(+459299)	N/A
Chr3	85274950	85275057	Chr3.59149	Gatb(-299115),Fbxw7(+459736)	N/A
Chr3	85275246	85275347	Chr3.59154	Gatb(-298822),Fbxw7(+460029)	N/A
Chr3	85313899	85313997	Chr3.59180	Gatb(-280176),Fbxw7(+498915)	N/A
Chr3	85314336	85314556	Chr3.59186	Gatb(-259673),Fbxw7(+499178)	N/A
Chr3	85378714	85378835	Chr3.59295	Gatb(-195344),Fbxw7(+563507)	N/A
Chr3	85435723	85435841	Chr3.59361	Gatb(-138337),Fbxw7(+620514)	N/A
Chr3	85447271	85447448	Chr3.59372	Gatb(-126759),Fbxw7(+632092)	N/A
Chr3	85535181	85535346	Chr3.59516	Gatb(-38855),Fbxw7(+719998)	N/A
Chr3	85535497	85535633	Chr3.59521	Gatb(-38554),Fbxw7(+720297)	N/A
Chr3	85536160	85536332	Chr3.59524	Gatb(-37873),Fbxw7(+720978)	N/A
Chr3	85550254	85550437	Chr3.59538	Gatb(-23773),Fbxw7(+735078)	N/A
Chr3	85550914	85551248	Chr3.59542	Gatb(-23038),Fbxw7(+735813)	N/A
Chr3	85551418	85551597	Chr3.59544	Gatb(-22811),Fbxw7(+736240)	N/A
Chr3	85553284	85553541	Chr3.59556	Gatb(-20706),Fbxw7(+738145)	N/A
Chr3	85556892	85557040	Chr3.59578	Gatb(+82847),Fam160a1(+89300)	N/A
Chr3	855756100	855756291	Chr3.59987	Fam160a1(-9930),Gli28d2(+131320)	N/A
Chr3	85776944	85777079	Chr3.60022	Fam160a1(-30746),Gli28d2(+110504)	N/A
Chr3	85780479	85780608	Chr3.60032	Fam160a1(-34278),Gli28d2(+106972)	N/A
Chr3	85821085	85821272	Chr3.60062	Fam160a1(-74913),Gli28d2(+66337)	N/A
Chr3	85829246	85829353	Chr3.60074	Fam160a1(-63034),Gli28d2(+58216)	N/A
Chr3	85841673	85841922	Chr3.60093	Fam160a1(-95532),Gli28d2(+45718)	N/A
Chr3	85928122	85928488	Chr3.60176	Gm9790(+12583),Prss48(+74186)	N/A
Chr3	86038661	86038878	Chr3.60263	Prss48(-36279),Sh3d19(-32145)	N/A
Chr3	86040385	86040552	Chr3.60271	Prss48(-37978),Sh3d19(-30446)	N/A
Chr3	86084441	86084588	Chr3.60312	Sh3d19(+13800),Rps3a1(+158187)	N/A
Chr3	86118850	86119071	Chr3.60399	Rps3a1(+23741),Sh3d19(+48046)	N/A
Chr3	86127437	86127687	Chr3.60431	Rps3a1(+15140),Sh3d19(+56647)	N/A
Chr3	86127827	86127985	Chr3.60436	Rps3a1(+14796),Sh3d19(+56991)	N/A
Chr3	86224597	86224768	Chr3.60481	Lrba(-7)	N/A
Chr3	86225026	86225135	Chr3.60486	Lrba(+391)	N/A
Chr3	86316960	86317081	Chr3.60547	Lrba(+92336),Mab212(+23257)	N/A
Chr3	86406483	86406610	Chr3.60687	Mab212(+141736),Lrba(+181857)	N/A
Chr3	86447064	86447384	Chr3.60718	Mab212(+101059),Lrba(+222534)	N/A
Chr3	86448201	86448459	Chr3.60721	Mab212(+99953),Lrba(+223640)	N/A
Chr3	86448686	86448973	Chr3.60725	Mab212(+99303),Lrba(+224290)	N/A
Chr3	86449894	86449846	Chr3.60728	Mab212(+98513),Lrba(+225809)	N/A
Chr3	86507773	86507988	Chr3.60752	Mab212(+94042),Lrba(+283191)	N/A
Chr3	86531146	86531531	Chr3.60773	Mab212(+16944),Lrba(+306646)	N/A
Chr3	86531600	86531968	Chr3.60774	Mab212(+16499),Lrba(+307094)	N/A
Chr3	86532595	86532757	Chr3.60778	Mab212(+15607),Lrba(+307986)	N/A
Chr3	86533199	86533444	Chr3.60783	Mab212(+14966),Lrba(+308627)	N/A
Chr3	86539172	86539284	Chr3.60802	Mab212(+9055),Lrba(+314538)	N/A
Chr3	86539640	86539748	Chr3.60804	Mab212(+8589),Lrba(+315004)	N/A
Chr3	86540956	86541604	Chr3.60816	Mab212(+7003),Lrba(+316590)	N/A
Chr3	86541812	86542022	Chr3.60818	Mab212(+6366),Lrba(+317227)	N/A
Chr3	86542992	86543286	Chr3.60824	Mab212(+5144),Lrba(+318449)	N/A
Chr3	86548006	86548145	Chr3.60858	Mab212(+207)	N/A
Chr3	86548421	86548544	Chr3.60864	Mab212(+200)	N/A
Chr3	86549617	86549735	Chr3.60874	Mab212(-1393)	N/A
Chr3	86550839	86551017	Chr3.60876	Mab212(-2645)	N/A
Chr3	86551064	86551521	Chr3.60878	Mab212(-3010)	N/A
Chr3	86552209	86552261	Chr3.60879	Mab212(-4102)	N/A
Chr3	86554892	86555030	Chr3.60886	Mab212(-6878),Dclk2(+365923)	N/A
Chr3	86555104	86555285	Chr3.60887	Mab212(-4912),Dclk2(+365689)	N/A
Chr3	86556275	86556488	Chr3.60889	Mab212(-8099),Dclk2(+364502)	N/A
Chr3	86559061	86559205	Chr3.60907	Mab212(-10850),Dclk2(+361751)	N/A
Chr3	86559700	86560178	Chr3.60910	Mab212(-11656),Dclk2(+360945)	N/A
Chr3	86560437	86560720	Chr3.60915	Mab212(-12296),Dclk2(+360305)	N/A
Chr3	86642009	86642139	Chr3.60982	Mab212(-95791),Dclk2(+278810)	N/A
Chr3	86659506	86659712	Chr3.60991	Mab212(-11326),Dclk2(+261275)	N/A
Chr3	86663295	86663680	Chr3.60995	Mab212(-115205),Dclk2(+257396)	N/A
Chr3	86668105	86668595	Chr3.61004	Mab212(-12067),Dclk2(+252534)	N/A
Chr3	86687793	86687951	Chr3.61017	Mab212(-139589),Dclk2(+233012)	N/A
Chr3	86699193	86699464	Chr3.61032	Mab212(-151049),Dclk2(+221555)	N/A
Chr3	86700196	86700406	Chr3.61038	Mab212(-152018),Dclk2(+220583)	N/A
Chr3	86700464	86700566	Chr3.61039	Mab212(-152232),Dclk2(+220369)	N/A
Chr3	86701068	86701511	Chr3.61041	Mab212(-153007),Dclk2(+219594)	N/A
Chr3	86706888	86707055	Chr3.61047	Mab212(-158689),Dclk2(+213912)	N/A
Chr3	86708583	86708955	Chr3.61051	Mab212(-160465),Dclk2(+212116)	N/A
Chr3	86709574	86710022	Chr3.61054	Mab212(-161519),Dclk2(+211086)	N/A
Chr3	86711276	86711795	Chr3.61061	Mab212(-163254),Dclk2(+209347)	N/A
Chr3	86712575	86712870	Chr3.61066	Mab212(-164440),Dclk2(+208161)	N/A
Chr3	86712922	86713282	Chr3.61071	Mab212(-164819),Dclk2(+207782)	N/A
Chr3	86723584	86724269	Chr3.61081	Mab212(-175644),Dclk2(+196957)	N/A
Chr3	86725407	86725402	Chr3.61090	Mab212(-176962),Dclk2(+195539)	N/A
Chr3	86730911	86737067	Chr3.61103	Mab212(-188706),Dclk2(+183895)	N/A
Chr3	86745234	86745646	Chr3.61128	Mab212(-197157),Dclk2(+175444)	N/A
Chr3	86746066	86746504	Chr3.61132	Mab212(-198002),Dclk2(+174599)	N/A
Chr3	86754348	86754683	Chr3.61151	Mab212(-206233),Dclk2(+166368)	N/A
Chr3	86757807	86758360	Chr3.61157	Mab212(-209801),Dclk2(+162800)	N/A
Chr3	86761025	86761804	Chr3.61171	Mab212(-213132),Dclk2(+159465)	N/A
Chr3	86762409	86762771	Chr3.61181	Mab212(-214307),Dclk2(+158294)	N/A
Chr3	86768768	86769212	Chr3.61190	Mab212(-220707),Dclk2(+151894)	N/A
Chr3	4546067	4546345	Chr3.612	Gm10748(-668557),Gm8775(+334490)	N/A
Chr3	86777351	86777583	Chr3.61210	Mab212(-229164),Dclk2(+143417)	N/A
Chr3	86777996	86778109	Chr3.61219	Mab212(-229770),Dclk2(+142801)	N/A
Chr3	86788604	86788741	Chr3.61243	Mab212(-240390),Dclk2(+132211)	N/A
Chr3	86789401	86789523	Chr3.61249	Mab212(-241179),Dclk2(+131422)	N/A
Chr3	86820378	86820658	Chr3.61303	Mab212(-272235),Dclk2(+100366)	N/A
Chr3	86820770	86820962	Chr3.61307	Mab212(-272583),Dclk2(+100018)	N/A
Chr3	86830782	86830933	Chr3.61315	Mab212(-282578),Dclk2(+90026)	N/A
Chr3	86845180	86845372	Chr3.61322	Mab212(-296993),Dclk2(+75608)	N/A
Chr3	86852848	86852985	Chr3.61339	Mab212(-304634),Dclk2(+67967)	N/A
Chr3	86853027	86853167	Chr3.61343	Mab212(-304814),Dclk2(+67787)	N/A
Chr3	86858814	86858970	Chr3.61352	Mab212(-310609),Dclk2(+61992)	N/A
Chr3	86861325	86861488	Chr3.61361	Mab212(-313124),Dclk2(+59477)	N/A
Chr3	86876299	86876463	Chr3.61369	Mab212(-328058),Dclk2(+44503)	N/A
Chr3	86887567	86887680	Chr3.61379	Mab212(-339341),Dclk2(+33260)	N/A
Chr3	86897003	86897146	Chr3.61387	Mab212(-348792),Dclk2(+23809)	N/A
Chr3	86897844	86898046	Chr3.61390	Mab212(-349662),Dclk2(+22939)	N/A
Chr3	87072938	87073173	Chr3.61418	Cd1d1(-73615),Kirel(+101691)	N/A
Chr3	87085756	87086884	Chr3.61510	Cd1d1(-99189),Kirel(+76171)	N/A
Chr3	87104344	87104461	Chr3.61513	Cd1d1(-104962),Kirel(+70344)	N/A
Chr3	87114682	87115227	Chr3.61539	Cd1d1(-115664),Kirel(+59642)	N/A
Chr3	87117201	87117375	Chr3.61543	Cd1d1(-117847),Kirel(+57459)	N/A
Chr3	87118097	87118365	Chr3.61545	Cd1d1(-118790),Kirel(+56516)	N/A
Chr3	87150739	87150879	Chr3.61565	Cd1d1(-151368),Kirel(+23938)	N/A
Chr3	87152444	87152610	Chr3.61569	Cd1d1(-153086),Kirel(+22229)	N/A
Chr3	87154694	87154917	Chr3.61573	Cd1d1(-155385),Kirel(+18941)	N/A
Chr3	87155044	87155182	Chr3.61576	Cd1d1(-155672),Kirel(+19634)	N/A
Chr3	87158088	87158194	Chr3.61580	Cd1d1(-158700),Kirel(+16606)	N/A
Chr3	87158412	87158567	Chr3.61585	Cd1d1(-159049),Kirel(+16257)	N/A
Chr3	87160995	87161256	Chr3.61588	Cd1d1(-161685),Kirel(+13621)	N/A
Chr3	87165148	87165302	Chr3.61592	Cd1d1(-165784),Kirel(+9522)	N/A
Chr3	87167658	87168044	Chr3.61596	Cd1d1(-168510),Kirel(+6796)	N/A
Chr3	87171970	87172261	Chr3.61599	Cd1d1(-172675),Kirel(+2631)	N/A
Chr3	87206493	87206781	Chr3.61617	Kirel(-31890),Fcrl5(+56962)	N/A
Chr3	87509248	87509395	Chr3.61769	Etv3(-16085),Fcrl5(+73437)	N/A
Chr3	87526963	87527118	Chr3.61808	Atghef11(-90534),Etv3(+1634)	N/A
Chr3	87529682	87529836	Chr3.61830	Atghef11(-87816),Etv3(+16352)	N/A
Chr3	87530284	87530482	Chr3.61832	Atghef11(-87192),Etv3(+4976)	N/A
Chr3	87536670	87536919	Chr3.61865	Atghef11(-80780),Etv3(+11388)	N/A
Chr3	87546733	87546836	Chr3.61904	Atghef11(-70790),Etv3(+21378)	N/A
Chr3	13946288	13946613	Chr3.6192	Raly(+79)	N/A
Chr3	87619865	87620038	Chr3.61952	Atghef11(+2377),Lnc71(+128671)	N/A
Chr3	87681738	87681900	Chr3.61970	Atghef11(+64244),Lnc71(+66804)	N/A

Chr3	87764657	87764764	Chr3.62325	Lrrc71(-16088),Pear1(+4232)	N/A
Chr3	87765207	87765386	Chr3.62328	Lrrc71(-16674),Pear1(+3646)	N/A
Chr3	87773554	87773477	Chr3.62336	Pear1(-4473)	N/A
Chr3	87774128	87774335	Chr3.62338	Pear1(-5289),Ntrk1(+20930)	N/A
Chr3	87777160	87777386	Chr3.62342	Pear1(-8330),Ntrk1(+17889)	N/A
Chr3	87779138	87779329	Chr3.62358	Pear1(-10291),Ntrk1(+15928)	N/A
Chr3	87785717	87785874	Chr3.62417	Pear1(-16853),Ntrk1(+9366)	N/A
Chr3	87789872	87790020	Chr3.62435	Pear1(-21003),Ntrk1(+5216)	N/A
Chr3	87795115	87795289	Chr3.62450	Insr(-1759),Ntrk1(-30)	N/A
Chr3	87795913	87796012	Chr3.62453	Insr(-988),Ntrk1(-801)	N/A
Chr3	87854915	87855084	Chr3.62639	Sh2d2a(+8245),Prcc(+30608)	N/A
Chr3	87857845	87857977	Chr3.62640	Sh2d2a(+11156),Prcc(+27697)	N/A
Chr3	87860872	87861060	Chr3.62649	Sh2d2a(+14211),Prcc(+24642)	N/A
Chr3	87865530	87865636	Chr3.62672	Prcc(+25)	N/A
Chr3	87910611	87910767	Chr3.62691	Mip2(-4817),Hdgf(+4368)	N/A
Chr3	87910610	87910927	Chr3.62695	Mip2(-4837),Hdgf(+4548)	N/A
Chr3	87944011	87944145	Chr3.62829	Crabp2(-4588)	N/A
Chr3	87946504	87946615	Chr3.62834	Crabp2(-2106)	N/A
Chr3	87958617	87958743	Chr3.62866	Nes(-12413),Crabp2(+10014)	N/A
Chr3	87974299	87974537	Chr3.62893	Nes(+3325),Bcan(+25938)	N/A
Chr3	88003009	88003094	Chr3.63050	Bcan(-51)	N/A
Chr3	88075333	88075432	Chr3.63190	Naxe(-16888),Ttc24(+2921)	N/A
Chr3	88082789	88082914	Chr3.63203	Ttc24(-4548),Iqgap3(+801)	N/A
Chr3	88133310	88133575	Chr3.63413	Mef2d(-8929),Iqgap3(+51392)	N/A
Chr3	88133699	88133813	Chr3.63419	Mef2d(-8616),Iqgap3(+51705)	N/A
Chr3	88138372	88138544	Chr3.63420	Mef2d(-3914)	N/A
Chr3	88138661	88138878	Chr3.63425	Mef2d(-3602)	N/A
Chr3	88140289	88140466	Chr3.63430	Mef2d(-1994)	N/A
Chr3	88140633	88140865	Chr3.63433	Mef2d(-1623)	N/A
Chr3	88141829	88142012	Chr3.63436	Mef2d(-451)	N/A
Chr3	88143535	88143658	Chr3.63444	Mef2d(-1225),Rhb(+111112)	N/A
Chr3	88144967	88144994	Chr3.63446	Mef2d(-2559),Rhb(+109778)	N/A
Chr3	88146084	88146239	Chr3.63456	Mef2d(+3790),Rhb(+108547)	N/A
Chr3	88147949	88148123	Chr3.63462	Mef2d(+5664),Rhb(+106673)	N/A
Chr3	88148424	88148555	Chr3.63467	Mef2d(+6118),Rhb(+106219)	N/A
Chr3	88150159	88150288	Chr3.63472	Mef2d(+7852),Rhb(+104485)	N/A
Chr3	88150496	88150729	Chr3.63473	Mef2d(+8242),Rhb(+104095)	N/A
Chr3	88152183	88152391	Chr3.63480	Mef2d(+9915),Rhb(+102422)	N/A
Chr3	88158213	88158406	Chr3.63496	Mef2d(+15938),Rhb(+96399)	N/A
Chr3	88160088	88160220	Chr3.63508	Mef2d(+17782),Rhb(+94555)	N/A
Chr3	88171290	88171448	Chr3.63545	Mef2d(+28997),Rhb(+83340)	N/A
Chr3	88171857	88171975	Chr3.63549	Mef2d(-29544),Rhb(+92793)	N/A
Chr3	88172254	88172384	Chr3.63552	Mef2d(-34937),Rhb(+77400)	N/A
Chr3	88204776	88204933	Chr3.63563	Rhb(+49854),Mef2d(-62483)	N/A
Chr3	88205527	88205935	Chr3.63566	Rhb(+48978),Mef2d(+63359)	N/A
Chr3	88206180	88206409	Chr3.63571	Rhb(+48414),Mef2d(-63923)	N/A
Chr3	88207112	88207317	Chr3.63577	Rhb(+47494),Mef2d(-64843)	N/A
Chr3	88215561	88215702	Chr3.63588	Rhb(+39077),Mef2d(-73260)	N/A
Chr3	88222502	88222700	Chr3.63606	Rhb(+32108),Mef2d(-80229)	N/A
Chr3	88232412	88232656	Chr3.63622	Rhb(+22175),Mef2d(+90162)	N/A
Chr3	88241646	88241827	Chr3.63654	Rhb(+12972),Mef2d(+99365)	N/A
Chr3	88297098	88297272	Chr3.63741	Tsacc(-186),Ccl3(+69)	N/A
Chr3	88334435	88334558	Chr3.63858	Smpg(-1763),Tmem79(+7)	N/A
Chr3	88336105	88336211	Chr3.63861	Tmem79(-1654),Smpg(-102)	N/A
Chr3	88360075	88360186	Chr3.63946	Pagr(-4458)	N/A
Chr3	88363905	88364008	Chr3.63966	Pagr(-632)	N/A
Chr3	88376394	88376494	Chr3.64009	Gm6821(-4560),Bglap3(-3701),Gm21956(+421)	N/A
Chr3	88455596	88455771	Chr3.64170	Sema4a(+55)	N/A
Chr3	88459067	88459259	Chr3.64181	Sema4a(-3424)	N/A
Chr3	88461138	88461310	Chr3.64183	Sema4a(-5448),Lmna(+42111)	N/A
Chr3	88481124	88481233	Chr3.64186	Sema4a(-25440),Lmna(+22156)	N/A
Chr3	88490151	88490319	Chr3.64260	Sema4a(-34496),Lmna(+13100)	N/A
Chr3	88492593	88492705	Chr3.64266	Sema4a(-36910),Lmna(+10686)	N/A
Chr3	88492970	88493142	Chr3.64270	Sema4a(-37317),Lmna(+10279)	N/A
Chr3	88494963	88495096	Chr3.64280	Sema4a(-39306),Lmna(+8290)	N/A
Chr3	88501021	88501184	Chr3.64292	Sema4a(-45394),Lmna(+2232)	N/A
Chr3	88503648	88503767	Chr3.64309	Lmna(-373)	N/A
Chr3	88504119	88504256	Chr3.64312	Lmna(-853)	N/A
Chr3	88510155	88510278	Chr3.64316	Mex3a(-22178),Lmna(-6882)	N/A
Chr3	88512590	88512785	Chr3.64319	Mex3a(-19730),Lmna(-9330)	N/A
Chr3	88514224	88514400	Chr3.64324	Mex3a(-1893),Lmna(-10077)	N/A
Chr3	88521813	88522020	Chr3.64331	Lmna(-18582),Mex3a(-10478)	N/A
Chr3	88527700	88527878	Chr3.64337	Mex3a(-4606)	N/A
Chr3	88530167	88530310	Chr3.64342	Mex3a(-2156)	N/A
Chr3	88531840	88532106	Chr3.64346	Mex3a(-422)	N/A
Chr3	88532907	88533006	Chr3.64350	Mex3a(-562)	N/A
Chr3	88533410	88533583	Chr3.64357	Mex3a(+1102),Rab25(+14803)	N/A
Chr3	88533678	88533951	Chr3.64359	Mex3a(+1420),Rab25(+14485)	N/A
Chr3	88534065	88534221	Chr3.64366	Mex3a(+1748),Rab25(+14157)	N/A
Chr3	88537331	88537461	Chr3.64405	Mex3a(+5001),Rab25(+10904)	N/A
Chr3	88538538	88539132	Chr3.64415	Mex3a(+6440),Rab25(+9465)	N/A
Chr3	88539540	88539667	Chr3.64427	Mex3a(-7209),Rab25(+8696)	N/A
Chr3	88539843	88539979	Chr3.64430	Mex3a(+7516),Rab25(+8389)	N/A
Chr3	88540930	88541216	Chr3.64436	Rab25(+7227),Mex3a(+8678)	N/A
Chr3	88541679	88541892	Chr3.64441	Rab25(+6514),Mex3a(+9391)	N/A
Chr3	88590375	88590526	Chr3.64569	Arhgef2(-30655),Sar2(+10780)	N/A
Chr3	88590560	88590677	Chr3.64573	Arhgef2(-30487),Sar2(+10948)	N/A
Chr3	88593033	88593134	Chr3.64581	Arhgef2(-28022),Sar2(+13413)	N/A
Chr3	88607764	88607867	Chr3.64594	Arhgef2(-13290),Sar2(+28145)	N/A
Chr3	88615380	88615533	Chr3.64604	Arhgef2(-5649),Sar2(+35786)	N/A
Chr3	88616073	88616258	Chr3.64608	Arhgef2(-4940)	N/A
Chr3	88616553	88616660	Chr3.64612	Arhgef2(-4499)	N/A
Chr3	88619727	88619949	Chr3.64620	Arhgef2(-1256)	N/A
Chr3	88622775	88622912	Chr3.64630	Arhgef2(+1738),Rfxp4(+30298)	N/A
Chr3	88623171	88623375	Chr3.64631	Arhgef2(+2167),Rfxp4(+29869)	N/A
Chr3	88624392	88624610	Chr3.64639	Arhgef2(+3395),Rfxp4(+28641)	N/A
Chr3	88626468	88626616	Chr3.64644	Arhgef2(+5436),Rfxp4(+26600)	N/A
Chr3	88629264	88629553	Chr3.64647	Arhgef2(-8303),Rfxp4(+23733)	N/A
Chr3	88630821	88630989	Chr3.64661	Arhgef2(+9799),Rfxp4(+22237)	N/A
Chr3	88636577	88636745	Chr3.64734	Arhgef2(+15555),Rfxp4(+16481)	N/A
Chr3	88654795	88654906	Chr3.64842	Rfxp4(-1709)	N/A
Chr3	88685712	88685895	Chr3.64846	Khdca(+10)	N/A
Chr3	88717945	88718058	Chr3.64908	Ril1(+1164),Gm10253(+21699)	N/A
Chr3	88758213	88758378	Chr3.64966	Gm10253(-18604),Syrl1(+16868)	N/A
Chr3	88771723	88772061	Chr3.64992	Gm10253(-32200),Syrl1(+3272)	N/A
Chr3	88950738	88950865	Chr3.65348	Dap3(-388)	N/A
Chr3	89077518	89077688	Chr3.65473	Rusc1(+15760),Ash1(+111791)	N/A
Chr3	89176816	89176953	Chr3.65781	Scamp3(-588)	N/A
Chr3	89182653	89182765	Chr3.65826	Fam189b(-494)	N/A
Chr3	89183441	89183683	Chr3.65829	Fam189b(-589)	N/A
Chr3	89215703	89215883	Chr3.65961	Mtx1(-1363),Thbs3(+613)	N/A
Chr3	14786853	14787003	Chr3.6597	Carl(+21437),Carl3(+145201)	N/A
Chr3	89225965	89226155	Chr3.66060	Muc1(-2997)	N/A
Chr3	89227394	89227518	Chr3.66070	Muc1(-1600)	N/A
Chr3	89245030	89245183	Chr3.66177	Krtcap2(-1331),Trim6(+790)	N/A
Chr3	89251108	89251289	Chr3.66199	Dpm3(-8159),Krtcap2(+4761)	N/A
Chr3	89251751	89252054	Chr3.66205	Dpm3(-7455),Krtcap2(+5465)	N/A
Chr3	89268265	89268380	Chr3.66219	Sic50a1(+2247),Dpm3(+8965)	N/A
Chr3	89277552	89277688	Chr3.66270	Sic50a1(-7050),Elna1(+2025)	N/A
Chr3	89278117	89278333	Chr3.66272	Sic50a1(-7655),Elna1(+1420)	N/A
Chr3	89280157	89280291	Chr3.66280	Elna1(-579)	N/A
Chr3	89281077	89281178	Chr3.66285	Elna1(-1483)	N/A
Chr3	89314613	89314877	Chr3.66304	Elna1(-35100),Elna3(+8220)	N/A
Chr3	89314922	89315041	Chr3.66308	Elna1(-35337),Elna3(+7983)	N/A
Chr3	89318092	89318193	Chr3.66325	Elna1(-38468),Elna3(+4822)	N/A
Chr3	89318347	89318511	Chr3.66327	Elna1(-38784),Elna3(+4536)	N/A
Chr3	89320613	89320662	Chr3.66334	Elna1(-41143),Elna3(+2177)	N/A
Chr3	89321325	89321524	Chr3.66340	Elna1(-41780),Elna3(+1540)	N/A
Chr3	89321822	89322093	Chr3.66342	Elna1(-42313),Elna3(+1007)	N/A
Chr3	89327325	89327528	Chr3.66351	Elna3(-4462)	N/A
Chr3	89328754	89328900	Chr3.66354	Elna3(-5862),Elna4(+9201)	N/A
Chr3	89329035	89329193	Chr3.66358	Elna3(-4149),Elna4(+8914)	N/A
Chr3	89330333	89330603	Chr3.66362	Elna3(-7503),Elna4(+7560)	N/A
Chr3	89330757	89330859	Chr3.66367	Elna3(-7843),Elna4(+7220)	N/A
Chr3	89331128	89331294	Chr3.66368	Elna3(-8246),Elna4(+6817)	N/A
Chr3	89331547	89331680	Chr3.66371	Elna3(-8649),Elna4(+6414)	N/A
Chr3	89332650	89332780	Chr3.66373	Elna3(-9750),Elna4(+5313)	N/A
Chr3	89332807	89333025	Chr3.66377	Elna3(-9996),Elna4(-5067)	N/A

Chr3	89333159	89333313	Chr3.66378	<i>Efn33(-10271),Efn4(+4792)</i>	N/A
Chr3	89340657	89340797	Chr3.66421	<i>Efn4(-2699)</i>	N/A
Chr3	89348008	89348234	Chr3.66506	<i>Efn4(-10033),Adam15(+1875)</i>	N/A
Chr3	89349896	89349141	Chr3.66514	<i>Adam15(+932)</i>	N/A
Chr3	89383782	89384038	Chr3.66692	<i>Dcs11(-18657),Zbtb7b(+3761)</i>	N/A
Chr3	89384118	89384506	Chr3.66697	<i>Dcs11(-19059),Zbtb7b(+3359)</i>	N/A
Chr3	89385629	89385758	Chr3.66705	<i>Dcs11(-20441),Zbtb7b(+1977)</i>	N/A
Chr3	89386630	89386825	Chr3.66708	<i>Zbtb7b(+943)</i>	N/A
Chr3	89386986	89387239	Chr3.66710	<i>Zbtb7b(+558)</i>	N/A
Chr3	89387881	89388035	Chr3.66718	<i>Zbtb7b(-187)</i>	N/A
Chr3	89388135	89388359	Chr3.66722	<i>Zbtb7b(-576)</i>	N/A
Chr3	89388561	89388805	Chr3.66726	<i>Zbtb7b(-1012)</i>	N/A
Chr3	89390068	89390447	Chr3.66737	<i>Zbtb7b(-2587)</i>	N/A
Chr3	89390607	89390742	Chr3.66741	<i>Zbtb7b(-3004)</i>	N/A
Chr3	89390812	89390969	Chr3.66743	<i>Zbtb7b(-3220)</i>	N/A
Chr3	89391100	89391331	Chr3.66747	<i>Zbtb7b(-3549)</i>	N/A
Chr3	89391652	89391906	Chr3.66753	<i>Zbtb7b(-4108)</i>	N/A
Chr3	89392776	89392910	Chr3.66756	<i>Zbtb7b(-5172),Lenep(+9950)</i>	N/A
Chr3	89393650	89393757	Chr3.66759	<i>Zbtb7b(-6033),Lenep(+9089)</i>	N/A
Chr3	89394462	89394907	Chr3.66768	<i>Zbtb7b(-7054),Lenep(+8058)</i>	N/A
Chr3	89396148	89396255	Chr3.66777	<i>Zbtb7b(-8530),Lenep(+6920)</i>	N/A
Chr3	89396285	89396523	Chr3.66779	<i>Zbtb7b(-8733),Lenep(+6389)</i>	N/A
Chr3	89418277	89418412	Chr3.66873	<i>Shc1(-3283),Cks1b(+38)</i>	N/A
Chr3	89418503	89418715	Chr3.66879	<i>Shc1(-3019),Cks1b(-226)</i>	N/A
Chr3	89418744	89418863	Chr3.66884	<i>Shc1(-2624),Cks1b(-421)</i>	N/A
Chr3	89419882	89419791	Chr3.66887	<i>Shc1(-1891),Cks1b(-1554)</i>	N/A
Chr3	89421508	89421608	Chr3.66893	<i>Cks1b(-3175),Shc1(-70)</i>	N/A
Chr3	89437348	89437537	Chr3.66899	<i>Pbx1p1(+737)</i>	N/A
Chr3	89508179	89508387	Chr3.67061	<i>Kcnn3(-11881),Pmvk(+49165)</i>	N/A
Chr3	89520089	89520237	Chr3.67083	<i>Kcnn3(-1)</i>	N/A
Chr3	89521597	89521636	Chr3.67095	<i>Adar(-208030),Kcnn3(+1554)</i>	N/A
Chr3	89522606	89522744	Chr3.67105	<i>Adar(-208073),Kcnn3(+2511)</i>	N/A
Chr3	89534913	89535099	Chr3.67120	<i>Adar(-195742),Kcnn3(+14842)</i>	N/A
Chr3	89613742	89613871	Chr3.67220	<i>Adar(-116941),Kcnn3(+93643)</i>	N/A
Chr3	89625573	89625688	Chr3.67227	<i>Adar(-105117),Kcnn3(+105467)</i>	N/A
Chr3	89647728	89647937	Chr3.67245	<i>Adar(-82918),Kcnn3(+127669)</i>	N/A
Chr3	89648326	89648509	Chr3.67249	<i>Adar(-82330),Kcnn3(+128254)</i>	N/A
Chr3	89652894	89653018	Chr3.67265	<i>Adar(-77792),Kcnn3(+132792)</i>	N/A
Chr3	89653823	89653936	Chr3.67270	<i>Adar(-76868),Kcnn3(+133716)</i>	N/A
Chr3	89659925	89660135	Chr3.67281	<i>Adar(-70718),Kcnn3(+139866)</i>	N/A
Chr3	89663594	89663723	Chr3.67295	<i>Adar(-67089),Kcnn3(+143495)</i>	N/A
Chr3	89667486	89667686	Chr3.67309	<i>Adar(-63161),Kcnn3(+147422)</i>	N/A
Chr3	89671770	89671910	Chr3.67327	<i>Adar(-58908),Kcnn3(+151678)</i>	N/A
Chr3	89753182	89753282	Chr3.67468	<i>Chmb2(+11400),Adar(+22484)</i>	N/A
Chr3	89775480	89775596	Chr3.67530	<i>4632404h12rik(-2299),Ube2q1(+1930)</i>	N/A
Chr3	89872251	89872392	Chr3.67553	<i>She(-49048),Ube2q1(+8713)</i>	N/A
Chr3	89843282	89843516	Chr3.67587	<i>She(+12029),Ilfra(+69763)</i>	N/A
Chr3	89899217	89899355	Chr3.67673	<i>Ilfra(+13876),She(-67916)</i>	N/A
Chr3	89913237	89913340	Chr3.67683	<i>Ilfra(-127)</i>	N/A
Chr3	89959629	89959750	Chr3.67819	<i>Ilfra(-46528),Atp8b2(+3818)</i>	N/A
Chr3	89960280	89960380	Chr3.67821	<i>Ilfra(-47168),Atp8b2(+3178)</i>	N/A
Chr3	89962146	89962312	Chr3.67830	<i>Ilfra(-49067),Atp8b2(+1279)</i>	N/A
Chr3	89964793	89964901	Chr3.67836	<i>Atp8b2(-1339)</i>	N/A
Chr3	90000113	90000310	Chr3.67891	<i>Hax1(-1528)</i>	N/A
Chr3	90049349	90049456	Chr3.67971	<i>4933434e20rik(-3411),Ubp2l(+3072)</i>	N/A
Chr3	90051716	90051837	Chr3.67979	<i>4933434e20rik(-1037),Ubp2l(+698)</i>	N/A
Chr3	90064421	90064561	Chr3.68016	<i>Tpm3(-8160),1700094d03rik(+1695)</i>	N/A
Chr3	90077390	90077518	Chr3.68055	<i>Nup210l(-26678),Tpm3(+4803)</i>	N/A
Chr3	90079602	90079686	Chr3.68058	<i>Nup210l(-24398),Tpm3(+7083)</i>	N/A
Chr3	90080301	90080403	Chr3.68064	<i>Nup210l(-23780),Tpm3(+7071)</i>	N/A
Chr3	90081704	90081812	Chr3.68070	<i>Nup210l(-22374),Tpm3(+9107)</i>	N/A
Chr3	90084109	90084251	Chr3.68075	<i>Nup210l(-19952),Tpm3(+11529)</i>	N/A
Chr3	90084942	90085072	Chr3.68080	<i>Nup210l(-19125),Tpm3(+12356)</i>	N/A
Chr3	90089362	90089520	Chr3.68122	<i>Nup210l(-5691),Tpm3(+25790)</i>	N/A
Chr3	90090714	90090821	Chr3.68124	<i>Nup210l(-5364),Tpm3(+26117)</i>	N/A
Chr3	90212581	90212756	Chr3.68282	<i>Rps27(-946)</i>	N/A
Chr3	90213603	90213731	Chr3.68288	<i>Rps27(-52)</i>	N/A
Chr3	90255010	90255153	Chr3.68404	<i>Crtc2(+919)</i>	N/A
Chr3	90258644	90258743	Chr3.68416	<i>Dennd4b(-7820),Crtc2(+4531)</i>	N/A
Chr3	90263756	90264120	Chr3.68453	<i>Dennd4b(-2576)</i>	N/A
Chr3	90266471	90266871	Chr3.68458	<i>Dennd4b(+57)</i>	N/A
Chr3	90292754	90293193	Chr3.68599	<i>Gatad2b(-48680),Dennd4b(+26460)</i>	N/A
Chr3	90293771	90293942	Chr3.68607	<i>Gatad2b(-47797),Dennd4b(+27343)</i>	N/A
Chr3	90297172	90297315	Chr3.68613	<i>Gatad2b(-44410),Dennd4b(+30730)</i>	N/A
Chr3	90297400	90297606	Chr3.68616	<i>Gatad2b(-44131),Dennd4b(+31009)</i>	N/A
Chr3	90322224	90322348	Chr3.68620	<i>Gatad2b(-19368),Dennd4b(+57772)</i>	N/A
Chr3	90322499	90322651	Chr3.68623	<i>Gatad2b(-19079),Dennd4b(+56061)</i>	N/A
Chr3	90322786	90322896	Chr3.68624	<i>Gatad2b(-18813),Dennd4b(+56327)</i>	N/A
Chr3	90413210	90413382	Chr3.68880	<i>Slc27a3(-23369),Ints3(+20340)</i>	N/A
Chr3	90447386	90447503	Chr3.68927	<i>Ints3(-13809),Npr1(+18421)</i>	N/A
Chr3	90461876	90461876	Chr3.6904	<i>Ythdf3(-344)</i>	N/A
Chr3	90476948	90476182	Chr3.69043	<i>It2(-66)</i>	N/A
Chr3	90505260	90505477	Chr3.69116	<i>Snapi(-14336),Chtop(+4082)</i>	N/A
Chr3	90505982	90506087	Chr3.69119	<i>Snapi(-15002),Chtop(+3416)</i>	N/A
Chr3	90507060	90507327	Chr3.69123	<i>Snapi(-16161),Chtop(+2257)</i>	N/A
Chr3	90537115	90537420	Chr3.69180	<i>S100a16(+14)</i>	N/A
Chr3	92485918	92486088	Chr3.69405	<i>Sprafk(-108)</i>	N/A
Chr3	93431872	93431974	Chr3.69838	<i>Tchyl(-10407),Rptn(+38224)</i>	N/A
Chr3	93568825	93568942	Chr3.69957	<i>Tdpox4(-227514),S100a10(+13804)</i>	N/A
Chr3	94371828	94371961	Chr3.70031	<i>Rorc(-899)</i>	N/A
Chr3	94380297	94380557	Chr3.70051	<i>Lingo4(-18090),Rorc(+7633)</i>	N/A
Chr3	94386276	94386428	Chr3.70076	<i>Lingo4(-10166),Rorc(+15557)</i>	N/A
Chr3	94482593	94482707	Chr3.70362	<i>Celf3(-3819),Snx27(+98999)</i>	N/A
Chr3	94490407	94490569	Chr3.70398	<i>Celf3(+11657),Snx27(+92061)</i>	N/A
Chr3	94491554	94491853	Chr3.70408	<i>Celf3(+12873),Snx27(+90845)</i>	N/A
Chr3	94565584	94565700	Chr3.70470	<i>Snx27(+16907),Celf3(+86811)</i>	N/A
Chr3	94622240	94622350	Chr3.70522	<i>Snx27(-39746),Gm10973(-20817)</i>	N/A
Chr3	94649314	94649464	Chr3.70544	<i>Gm10973(-4277),Tufi1(+9482)</i>	N/A
Chr3	94783415	94783555	Chr3.70792	<i>Cgnt(+3007),Selenbp2(+89929)</i>	N/A
Chr3	94783761	94783887	Chr3.70796	<i>Cgnt(+2668),Selenbp2(+90268)</i>	N/A
Chr3	94784815	94784928	Chr3.70807	<i>Cgnt(+1620),Selenbp2(+91316)</i>	N/A
Chr3	94804109	94804335	Chr3.70819	<i>Pogz(-33345),Cgnt(-17730)</i>	N/A
Chr3	94837374	94837487	Chr3.70832	<i>Pogz(-136)</i>	N/A
Chr3	94953861	94954328	Chr3.71041	<i>Pfkfb(-14)</i>	N/A
Chr3	94974902	94975090	Chr3.71097	<i>Pf4kb(-265)</i>	N/A
Chr3	94975988	94976134	Chr3.71105	<i>Pf4kb(+1330),Zfp687(+39177)</i>	N/A
Chr3	94985694	94985852	Chr3.71136	<i>Pf4kb(+11042),Zfp687(+29465)</i>	N/A
Chr3	95005266	95005427	Chr3.71187	<i>Zfp687(+9891),Pf4kb(+30616)</i>	N/A
Chr3	95005988	95006103	Chr3.71191	<i>Zfp687(+9152),Pf4kb(+31315)</i>	N/A
Chr3	95014401	95014511	Chr3.71312	<i>Zfp687(-782)</i>	N/A
Chr3	95015224	95015346	Chr3.71318	<i>Zfp687(-47)</i>	N/A
Chr3	16758831	16758955	Chr3.7141	<i>Gm5283(+472083),Ythdf3(+575710)</i>	N/A
Chr3	95106424	95106611	Chr3.71457	<i>Vps72(-4504),Pip5k1a(+357)</i>	N/A
Chr3	95109375	95109517	Chr3.71467	<i>Pip5k1a(-2571),Vps72(-1576)</i>	N/A
Chr3	95124359	95124648	Chr3.71493	<i>Tmox4(-11)</i>	N/A
Chr3	95129177	95129361	Chr3.71529	<i>Lysmd1(-4819),Scnm1(+4742)</i>	N/A
Chr3	95129489	95129591	Chr3.71531	<i>Lysmd1(-4548),Scnm1(+4471)</i>	N/A
Chr3	95129743	95129901	Chr3.71533	<i>Lysmd1(-4266),Scnm1(+4189)</i>	N/A
Chr3	95139699	95139802	Chr3.71571	<i>Trfapb2(+2609),Lysmd1(+5663)</i>	N/A
Chr3	95141609	95141723	Chr3.71588	<i>Trfapb2(-694)</i>	N/A
Chr3	95161366	95161569	Chr3.71607	<i>Sema6c(+963)</i>	N/A
Chr3	95161758	95161895	Chr3.71610	<i>Sema6c(+1322),Gabpb2(+56089)</i>	N/A
Chr3	95162208	95162344	Chr3.71613	<i>Sema6c(+1771),Gabpb2(+55640)</i>	N/A
Chr3	95162726	95162859	Chr3.71617	<i>Sema6c(+2288),Gabpb2(+55123)</i>	N/A
Chr3	95162915	95163080	Chr3.71621	<i>Sema6c(+2493),Gabpb2(+54918)</i>	N/A
Chr3	95163316	95163465	Chr3.71622	<i>Sema6c(+2886),Gabpb2(+54525)</i>	N/A
Chr3	95163559	95163691	Chr3.71626	<i>Sema6c(+3120),Gabpb2(+54291)</i>	N/A
Chr3	95163900	95164073	Chr3.71628	<i>Sema6c(+3482),Gabpb2(+53929)</i>	N/A
Chr3	95164112	95164211	Chr3.71631	<i>Sema6c(+3657),Gabpb2(+53754)</i>	N/A
Chr3	95164566	95164719	Chr3.71736	<i>Gabpb2(+23273),Sema6c(+34138)</i>	N/A
Chr3	95200694	95200814	Chr3.71744	<i>Gabpb2(+17162),Sema6c(+40249)</i>	N/A
Chr3	95217582	95217807	Chr3.71763	<i>Gabpb2(+221)</i>	N/A
Chr3	95229403	95229601	Chr3.71792	<i>MIT11(-825),Cdc42se1(+770)</i>	N/A
Chr3	95230031	95230143	Chr3.71798	<i>MIT11(-1410),Cdc42se1(+1355)</i>	N/A
Chr3	95237115	95237259	Chr3.71833	<i>Gm128(+4411),Cdc42se1(+8455)</i>	N/A
Chr3	95251121	95251224	Chr3.71875	<i>Bnip1(+20)</i>	N/A
Chr3	95262861	95263178	Chr3.71934	<i>Prune1(-984),Mindy1(+126)</i>	N/A
Chr3	95312897	95312824	Chr3.72035	<i>Cers2(-2323)</i>	N/A

Chr3	95318599	95318743	Chr3.72041	Cers2(+3587), Setdb1(+38529)	N/A
Chr3	95405480	95405592	Chr3.72162	Setdb1(-48336), Gm5070(+5640)	N/A
Chr3	95496002	95496160	Chr3.72234	Ctsk(-3205)	N/A
Chr3	95524903	95525290	Chr3.72434	Ensfal(+117)	N/A
Chr3	16853097	16853399	Chr3.7249	Gm5283(+377728), Ythdf3(+670065)	N/A
Chr3	95662416	95662560	Chr3.72511	Mcf1(+3767), Adamts4(+25429)	N/A
Chr3	95663031	95663251	Chr3.72514	Mcf1(+4420), Adamts4(+24776)	N/A
Chr3	95668062	95668188	Chr3.72519	Mcf1(+9404), Adamts4(+19792)	N/A
Chr3	95668233	95668379	Chr3.72521	Mcf1(+9585), Adamts4(+19611)	N/A
Chr3	95668979	95667169	Chr3.72835	Adamts4(+843)	N/A
Chr3	95695650	95696677	Chr3.72649	Adamts4(-4702), Ecm1(+42950)	N/A
Chr3	95819356	95819473	Chr3.72892	Rprd2(-462)	N/A
Chr3	95855727	95855906	Chr3.72953	Prip3(+68)	N/A
Chr3	95882219	95882486	Chr3.72993	Cian(-148)	N/A
Chr3	95882792	95882960	Chr3.73004	Cian(-671)	N/A
Chr3	95893527	95893555	Chr3.73025	Bcl2b52b(-1586), Aph1a(-378)	N/A
Chr3	95902760	95902882	Chr3.73108	Car14(+1870), Aph1a(+8852)	N/A
Chr3	95904610	95904817	Chr3.73113	Car14(-23)	N/A
Chr3	95905241	95905399	Chr3.73117	Car14(-629)	N/A
Chr3	95929014	95929137	Chr3.73127	Anp32e(-170)	N/A
Chr3	95929191	95929324	Chr3.73131	Anp32e(+12)	N/A
Chr3	95929395	95929663	Chr3.73134	Anp32e(+283)	N/A
Chr3	95973026	95973239	Chr3.73166	Plekho1(+22688), Anp32e(+43887)	N/A
Chr3	95985048	95985245	Chr3.73175	Plekho1(+10854), Anp32e(+55901)	N/A
Chr3	95997815	95997744	Chr3.73231	Plekho1(-1679)	N/A
Chr3	96001421	96001532	Chr3.73237	Plekho1(-5476), Vps45(+56899)	N/A
Chr3	96005533	96005966	Chr3.73240	Plekho1(-9899), Vps45(+52566)	N/A
Chr3	96019862	96020125	Chr3.73247	Plekho1(-23993), Vps45(+38472)	N/A
Chr3	96028800	96030310	Chr3.73314	Vps45(-24439), Olud7b(-21622)	N/A
Chr3	96086264	96086380	Chr3.73318	Vps45(-27856), Olud7b(-18205)	N/A
Chr3	96102946	96102857	Chr3.73333	Olud7b(-1773)	N/A
Chr3	96104476	96104670	Chr3.73339	Olud7b(+46)	N/A
Chr3	96104706	96104832	Chr3.73341	Olud7b(+242)	N/A
Chr3	96105359	96105525	Chr3.73344	Olud7b(+915)	N/A
Chr3	96113384	96113489	Chr3.73365	Mtmr11(-48567), Olud7b(+8910)	N/A
Chr3	96128226	96128405	Chr3.73382	Mtmr11(-33688), Olud7b(+23789)	N/A
Chr3	96157028	96157298	Chr3.73442	Mtmr11(-4841)	N/A
Chr3	96157367	96157470	Chr3.73444	Mtmr11(-4585)	N/A
Chr3	96158707	96158857	Chr3.73448	Mtmr11(-3222)	N/A
Chr3	96160371	96160536	Chr3.73451	Mtmr11(-1550)	N/A
Chr3	96160966	96161149	Chr3.73453	Mtmr11(-946)	N/A
Chr3	96161826	96162027	Chr3.73459	Mtmr11(-27)	N/A
Chr3	96162828	96162749	Chr3.73538	Sv2a(+1539), Bcl6a1(+15800)	N/A
Chr3	96551414	96551561	Chr3.73849	Txnp(-6469), Hiv(+26303)	N/A
Chr3	96555402	96555522	Chr3.73854	Txnp(-2495)	N/A
Chr3	96557777	96557947	Chr3.73867	Txnp(-95)	N/A
Chr3	96560511	96560674	Chr3.73907	Gm16253(-16391), Txnp(+2636)	N/A
Chr3	96564159	96564287	Chr3.73921	Gm16253(-12761), Txnp(+6286)	N/A
Chr3	96569754	96569885	Chr3.73925	Gm16253(-7164), Txnp(+11863)	N/A
Chr3	96575639	96575792	Chr3.73936	Gm16253(-1268)	N/A
Chr3	96576807	96577017	Chr3.73942	Gm16253(-72)	N/A
Chr3	96596401	96596722	Chr3.73976	Lix1(-4571), Polr3g(-2381), Ankrd34a(-74)	N/A
Chr3	96596767	96597212	Chr3.73981	Lix1(-4143), Polr3g(-2809), Ankrd34a(+354)	N/A
Chr3	96599481	96599591	Chr3.74025	Lix1(-1597)	N/A
Chr3	96599625	96599798	Chr3.74028	Lix1(-1421)	N/A
Chr3	96602053	96602402	Chr3.74040	Rbm8a(-27700), Lix1(+1095)	N/A
Chr3	96603400	96603598	Chr3.74045	Rbm8a(-26429), Lix1(+2366)	N/A
Chr3	96617982	96618142	Chr3.74051	Rbm8a(-11866), Lix1(+16929)	N/A
Chr3	96645414	96645716	Chr3.74109	Iga10(-19)	N/A
Chr3	96646766	96646887	Chr3.74118	Ankrd35(-23304), Iga10(+1243)	N/A
Chr3	16941232	16941378	Chr3.74114	Gm5283(+289671), Ythdf3(+758122)	N/A
Chr3	96663453	96663736	Chr3.74209	Ankrd35(-6536), Iga10(+18011)	N/A
Chr3	96679482	96679581	Chr3.74243	Pias3(-17551), Ankrd35(+9401)	N/A
Chr3	96728459	96728568	Chr3.74455	Polr3a(-1073), Rnf115(+903)	N/A
Chr3	96931256	96931522	Chr3.74474	Gja5(-101027), Gja8(-5369)	N/A
Chr3	96937720	96937843	Chr3.74684	Gja5(-94634), Gja8(-11762)	N/A
Chr3	96953933	96954139	Chr3.74693	Gja5(-78380), Gja8(-28016)	N/A
Chr3	96989329	96989479	Chr3.74724	Gja8(-63384), Gja5(-43012)	N/A
Chr3	96989584	96989702	Chr3.74726	Gja8(-63623), Gja5(-42773)	N/A
Chr3	97186522	97186669	Chr3.74913	Acpe6(+27919), Bcl9(+4068)	N/A
Chr3	97203862	97203775	Chr3.74921	Bcl9(+23845), Acpe6(+4942)	N/A
Chr3	97216307	97216627	Chr3.75022	Bcl9(-10897), Acpe6(+57690)	N/A
Chr3	97226729	97226911	Chr3.75042	Bcl9(+544)	N/A
Chr3	97253797	97253921	Chr3.75088	Bcl9(-26495), Olfr1402(+157320)	N/A
Chr3	97255204	97255336	Chr3.75072	Bcl9(-27906), Olfr1402(+155909)	N/A
Chr3	97258078	97258078	Chr3.75076	Bcl9(-28589), Olfr1402(+155237)	N/A
Chr3	97277160	97277352	Chr3.75094	Bcl9(-49892), Olfr1402(+133923)	N/A
Chr3	97292952	97293087	Chr3.75107	Bcl9(-65656), Olfr1402(+118159)	N/A
Chr3	97296377	97296548	Chr3.75117	Bcl9(-69099), Olfr1402(+114716)	N/A
Chr3	97296693	97296926	Chr3.75119	Bcl9(-69446), Olfr1402(+114369)	N/A
Chr3	97297298	97297416	Chr3.75126	Bcl9(-69993), Olfr1402(+113822)	N/A
Chr3	97297566	97298035	Chr3.75130	Bcl9(-70437), Olfr1402(+113378)	N/A
Chr3	97298845	97299078	Chr3.75136	Bcl9(-71598), Olfr1402(+112217)	N/A
Chr3	97305514	97305760	Chr3.75148	Bcl9(-78273), Olfr1402(+105542)	N/A
Chr3	97324378	97324491	Chr3.75162	Bcl9(-97071), Olfr1402(+86744)	N/A
Chr3	97334657	97334842	Chr3.75190	Bcl9(-107386), Olfr1402(+76429)	N/A
Chr3	97496782	97496979	Chr3.752	Gm10748(-417882), Gm875(-485165)	N/A
Chr3	97766466	97766736	Chr3.75601	Pde4dp(+1408), Pknox2(+108389)	N/A
Chr3	97766942	97767255	Chr3.75608	Pde4dp(+910)	N/A
Chr3	97767308	97767597	Chr3.75619	Pde4dp(+556)	N/A
Chr3	97775035	97775154	Chr3.75633	Sec22b(-126095), Pde4dp(-7086)	N/A
Chr3	97776374	97776518	Chr3.75638	Sec22b(-124744), Pde4dp(-8437)	N/A
Chr3	97802429	97802588	Chr3.75663	Sec22b(-98682), Pde4dp(-34499)	N/A
Chr3	97810363	97810463	Chr3.75669	Sec22b(-90777), Pde4dp(-42404)	N/A
Chr3	97930537	97930640	Chr3.75778	Notch2(-82949), Sec22b(+29399)	N/A
Chr3	97932253	97932448	Chr3.75781	Notch2(-81187), Sec22b(+31161)	N/A
Chr3	97939715	97939894	Chr3.75788	Notch2(-73733), Sec22b(+38615)	N/A
Chr3	97972375	97972533	Chr3.75811	Notch2(-41094), Sec22b(+71264)	N/A
Chr3	97989875	97989882	Chr3.75832	Notch2(-14509), Sec22b(+97839)	N/A
Chr3	98014036	98014363	Chr3.75853	Notch2(+662)	N/A
Chr3	98015682	98015842	Chr3.75867	Adam30(-145050), Notch2(+2224)	N/A
Chr3	98016145	98016304	Chr3.75869	Adam30(-144587), Notch2(+2487)	N/A
Chr3	98020683	98020786	Chr3.75873	Adam30(-140077), Notch2(+7197)	N/A
Chr3	98020985	98021304	Chr3.75875	Adam30(-139657), Notch2(+76077)	N/A
Chr3	98024539	98024856	Chr3.75889	Adam30(-136114), Notch2(+11160)	N/A
Chr3	98027615	98027971	Chr3.75895	Adam30(-133019), Notch2(+14255)	N/A
Chr3	98029894	98030057	Chr3.75901	Adam30(-130836), Notch2(+16438)	N/A
Chr3	98032299	98032537	Chr3.75905	Adam30(-128394), Notch2(+18880)	N/A
Chr3	98037322	98037500	Chr3.75917	Adam30(-123401), Notch2(+23873)	N/A
Chr3	98038832	98039215	Chr3.75922	Adam30(-121758), Notch2(+25486)	N/A
Chr3	98042845	98043041	Chr3.75928	Adam30(-117869), Notch2(+29405)	N/A
Chr3	98043235	98043515	Chr3.75934	Adam30(-117437), Notch2(+29837)	N/A
Chr3	98046237	98046421	Chr3.75945	Adam30(-114483), Notch2(+32791)	N/A
Chr3	98055354	98055482	Chr3.75964	Adam30(-105394), Notch2(+11880)	N/A
Chr3	98056908	98056948	Chr3.75970	Adam30(-103934), Notch2(+43340)	N/A
Chr3	98056988	98057125	Chr3.75972	Adam30(-103755), Notch2(+43519)	N/A
Chr3	98057164	98057312	Chr3.75975	Adam30(-103574), Notch2(+43700)	N/A
Chr3	98061987	98062263	Chr3.75979	Adam30(-98687), Notch2(+48587)	N/A
Chr3	98062305	98062475	Chr3.75986	Adam30(-98422), Notch2(+48852)	N/A
Chr3	98063502	98063749	Chr3.75993	Adam30(-97189), Notch2(+50088)	N/A
Chr3	98063861	98064221	Chr3.75996	Adam30(-96771), Notch2(+50593)	N/A
Chr3	98068164	98068289	Chr3.76006	Adam30(-92585), Notch2(+54689)	N/A
Chr3	98073007	98073175	Chr3.76041	Adam30(-87721), Notch2(+59553)	N/A
Chr3	98074890	98075093	Chr3.76052	Adam30(-85820), Notch2(+61454)	N/A
Chr3	98086191	98086593	Chr3.76073	Adam30(-74451), Notch2(+72823)	N/A
Chr3	98104842	98105413	Chr3.76127	Adam30(-55684), Notch2(+91590)	N/A
Chr3	98108535	98108688	Chr3.76139	Adam30(-52200), Notch2(+95074)	N/A
Chr3	98110045	98110216	Chr3.76143	Adam30(-50681), Notch2(+96593)	N/A
Chr3	98381465	98381595	Chr3.76574	Zfp697(-951)	N/A
Chr3	98382370	98382478	Chr3.76577	Zfp697(-57)	N/A
Chr3	98382799	98382958	Chr3.76578	Zfp697(+398)	N/A
Chr3	98417426	98417602	Chr3.76592	Zfp697(+35033), Gm4450(+39517)	N/A
Chr3	98922187	98922306	Chr3.77062	Wars2(-218821), Hao2(-29008)	N/A
Chr3	98941022	98941331	Chr3.77072	Wars2(-199891), Hao2(-47938)	N/A
Chr3	98965874	98965992	Chr3.77088	Wars2(-175135), Hao2(-72694)	N/A
Chr3	98990892	98991560	Chr3.77091	Wars2(-149942), Hao2(-97887)	N/A
Chr3	99021445	99021559	Chr3.77109	Hao2(-12863), Wars2(-118566)	N/A
Chr3	99030548	99031012	Chr3.77125	Hao2(-137541), Wars2(-110288)	N/A

Chr3	99052271	99052576	Chr3.77146	Hao2(-159185),Wars2(-88644)	N/A
Chr3	99111021	99111564	Chr3.77166	Hao2(-218054),Wars2(-29778)	N/A
Chr3	99157195	99157392	Chr3.77205	Tbx15(-96468),Wars2(+16226)	N/A
Chr3	99170203	99170447	Chr3.77213	Tbx15(-63435),Wars2(+26357)	N/A
Chr3	99174916	99175268	Chr3.77219	Tbx15(-78668),Wars2(+34024)	N/A
Chr3	99183405	99183852	Chr3.77226	Tbx15(-70131),Wars2(+42561)	N/A
Chr3	99183882	99184001	Chr3.77237	Tbx15(-69818),Wars2(+42874)	N/A
Chr3	99184067	99184221	Chr3.77238	Tbx15(-69616),Wars2(+43076)	N/A
Chr3	99192646	99192770	Chr3.77249	Tbx15(-61052),Wars2(+51640)	N/A
Chr3	99198379	99198679	Chr3.77253	Tbx15(-63281),Wars2(+57411)	N/A
Chr3	99203157	99203533	Chr3.77258	Tbx15(-50415),Wars2(+62277)	N/A
Chr3	99233577	99233897	Chr3.77319	Tbx15(-20023),Wars2(+92669)	N/A
Chr3	99248701	99249029	Chr3.77345	Tbx15(-4895)	N/A
Chr3	99253218	99253351	Chr3.77352	Tbx15(-475)	N/A
Chr3	99255885	99255289	Chr3.77364	Spag17(-630225),Tbx15(+1432)	N/A
Chr3	99266749	99267220	Chr3.77396	Spag17(-618432),Tbx15(+13225)	N/A
Chr3	99267342	99267446	Chr3.77396	Spag17(-618023),Tbx15(+13634)	N/A
Chr3	99324529	99324925	Chr3.77513	Spag17(-560690),Tbx15(+70967)	N/A
Chr3	99334938	99335143	Chr3.77526	Spag17(-550376),Tbx15(+81281)	N/A
Chr3	99346265	99349427	Chr3.77560	Spag17(-536071),Tbx15(+95586)	N/A
Chr3	99424227	99424354	Chr3.77622	Spag17(-461126),Tbx15(+170531)	N/A
Chr3	99447870	99448019	Chr3.77632	Spag17(-437472),Tbx15(+194185)	N/A
Chr3	99573981	99574112	Chr3.77737	Spag17(-311370),Tbx15(+320287)	N/A
Chr3	99574346	99574346	Chr3.77739	Spag17(-311163),Tbx15(+320494)	N/A
Chr3	99593524	99593671	Chr3.77755	Spag17(-291819),Tbx15(+339838)	N/A
Chr3	99602516	99602683	Chr3.77761	Spag17(-282817),Tbx15(+346849)	N/A
Chr3	99639038	99639250	Chr3.77786	Spag17(-246273),Tbx15(+385384)	N/A
Chr3	99663971	99664208	Chr3.77815	Spag17(-221327),Tbx15(+410330)	N/A
Chr3	99716319	99716464	Chr3.77857	Spag17(-169025),Tbx15(+462632)	N/A
Chr3	99716527	99716629	Chr3.77861	Spag17(-168839),Tbx15(+462818)	N/A
Chr3	99749889	99750001	Chr3.77869	Spag17(-135472),Tbx15(+496185)	N/A
Chr3	1749402	17490513	Chr3.77796	Gm5283(-259482),Gm10742(+296440)	N/A
Chr3	99818520	99818667	Chr3.77975	Spag17(-66823),Tbx15(+564834)	N/A
Chr3	99822788	99822964	Chr3.77983	Spag17(-62541),Tbx15(+569116)	N/A
Chr3	99823305	99823474	Chr3.77987	Spag17(-62027),Tbx15(+569636)	N/A
Chr3	99854447	99854792	Chr3.78035	Spag17(-30797),Tbx15(+600860)	N/A
Chr3	99865548	99865848	Chr3.78051	Spag17(-1974),Tbx15(+611943)	N/A
Chr3	99878858	99879009	Chr3.78074	Spag17(-6483),Tbx15(+625174)	N/A
Chr3	99887874	99888010	Chr3.78090	Gdap2(-274439),Spag17(+2525)	N/A
Chr3	99931097	99931604	Chr3.78103	Gdap2(-231030),Spag17(+45934)	N/A
Chr3	99932217	99932370	Chr3.78106	Gdap2(-230087),Spag17(+46877)	N/A
Chr3	99945629	99945630	Chr3.78139	Gdap2(-218971),Spag17(+59993)	N/A
Chr3	99953742	99953626	Chr3.78148	Gdap2(-208547),Spag17(+68417)	N/A
Chr3	99954169	99954343	Chr3.78151	Gdap2(-208125),Spag17(+68830)	N/A
Chr3	99965942	99966244	Chr3.78171	Gdap2(-196288),Spag17(+80676)	N/A
Chr3	100162390	100162495	Chr3.78479	Wdr3(-36),Gdap2(+62)	N/A
Chr3	100418019	100418121	Chr3.78609	Wdr3(-255663),Tent5c(+71254)	N/A
Chr3	100462480	100462030	Chr3.78623	Wdr3(-300148),Tent5c(+26789)	N/A
Chr3	100489106	100489226	Chr3.78714	Tent5c(+158)	N/A
Chr3	100705163	100705360	Chr3.78834	Vtcn1(-120197),Man1a2(-19759)	N/A
Chr3	100748053	100748170	Chr3.78871	Vtcn1(-77347),Man1a2(-62609)	N/A
Chr3	100857287	100857418	Chr3.78912	Trim45(-65140),Vtcn1(+31894)	N/A
Chr3	101040222	101040393	Chr3.79297	Cd101(-10757),Plgfrn(+69965)	N/A
Chr3	101040425	101040677	Chr3.79299	Cd101(-10895),Plgfrn(+69727)	N/A
Chr3	101041874	101041973	Chr3.79308	Cd101(-12368),Plgfrn(+68354)	N/A
Chr3	101042200	101042309	Chr3.79313	Cd101(-12699),Plgfrn(+68023)	N/A
Chr3	101046157	101046300	Chr3.79339	Cd101(-16673),Plgfrn(+64049)	N/A
Chr3	101071029	101071160	Chr3.79391	Cd101(-41539),Plgfrn(+39183)	N/A
Chr3	101093037	101093222	Chr3.79453	Cd101(-63576),Plgfrn(+17146)	N/A
Chr3	101095829	101096013	Chr3.79467	Cd101(-66365),Plgfrn(+1357)	N/A
Chr3	101099215	101099347	Chr3.79463	Cd101(-69725),Plgfrn(+10997)	N/A
Chr3	101105601	101105778	Chr3.79476	Cd101(-76134),Plgfrn(+4588)	N/A
Chr3	101130570	101130670	Chr3.79508	Plgfrn(-20342),Cd2(+157319)	N/A
Chr3	101136946	101136994	Chr3.79516	Plgfrn(-26642),Cd2(+151019)	N/A
Chr3	101141834	101142088	Chr3.79524	Plgfrn(-31683),Cd2(+145978)	N/A
Chr3	101145352	101145512	Chr3.79533	Plgfrn(-35154),Cd2(+142507)	N/A
Chr3	101145582	101145776	Chr3.79538	Plgfrn(-35401),Cd2(+142260)	N/A
Chr3	101145916	101146135	Chr3.79542	Plgfrn(-35748),Cd2(+141913)	N/A
Chr3	101150818	101150926	Chr3.79555	Plgfrn(-40594),Cd2(+137067)	N/A
Chr3	101151143	101151385	Chr3.79559	Plgfrn(-40991),Cd2(+136570)	N/A
Chr3	101161392	101161593	Chr3.79564	Plgfrn(-51215),Cd2(+128448)	N/A
Chr3	101162731	101162907	Chr3.79572	Plgfrn(-52541),Cd2(+125120)	N/A
Chr3	101162954	101163110	Chr3.79574	Plgfrn(-52754),Cd2(+124907)	N/A
Chr3	101163380	101163627	Chr3.79578	Plgfrn(-53226),Cd2(+124435)	N/A
Chr3	101237158	101237271	Chr3.79599	Plgfrn(-126937),Cd2(+50724)	N/A
Chr3	101300201	101300424	Chr3.79626	Igsf3(-76812),Cd2(-12374)	N/A
Chr3	101300585	101300698	Chr3.79632	Igsf3(-76483),Cd2(-12703)	N/A
Chr3	101344367	101344633	Chr3.79651	Cd2(-56561),Igsf3(-32625)	N/A
Chr3	101349940	101350182	Chr3.79659	Cd2(-62122),Igsf3(-27064)	N/A
Chr3	101366531	101366667	Chr3.79668	Cd2(-78660),Igsf3(-10526)	N/A
Chr3	101377549	101377672	Chr3.79677	Igsf3(+468)	N/A
Chr3	101378009	101378130	Chr3.79683	Igsf3(+945)	N/A
Chr3	101387399	101387568	Chr3.79703	Igsf3(+10359),Altp1a(+217119)	N/A
Chr3	101390522	101390764	Chr3.79716	Igsf3(+13518),Altp1a(+213960)	N/A
Chr3	101393403	101393519	Chr3.79727	Igsf3(+16336),Altp1a(+211142)	N/A
Chr3	101405481	101405701	Chr3.79737	Igsf3(+28468),Altp1a(+199012)	N/A
Chr3	101436927	101436927	Chr3.79829	Igsf3(+59441),Altp1a(+168037)	N/A
Chr3	101462551	101462677	Chr3.79924	Igsf3(+85489),Altp1a(+141989)	N/A
Chr3	101462718	101462865	Chr3.79927	Igsf3(+85667),Altp1a(+141811)	N/A
Chr3	101517112	101517226	Chr3.79952	Altp1a(+87434),Igsf3(+140044)	N/A
Chr3	101551505	101551750	Chr3.79973	Altp1a(+52975),Igsf3(+174503)	N/A
Chr3	101551796	101552005	Chr3.79981	Altp1a(+52707),Igsf3(+174771)	N/A
Chr3	101562509	101562906	Chr3.79996	Altp1a(+41695),Igsf3(+185583)	N/A
Chr3	3388504	3388667	Chr3.8	INH4g(-19444)	N/A
Chr3	101576433	101576547	Chr3.80005	Altp1a(+28113),Igsf3(+199365)	N/A
Chr3	101595911	101596063	Chr3.80124	Altp1a(+8616),Igsf3(+218862)	N/A
Chr3	101600403	101600544	Chr3.80129	Altp1a(+4129),Igsf3(+223349)	N/A
Chr3	101600679	101600794	Chr3.80131	Altp1a(-3866),Igsf3(+223612)	N/A
Chr3	101601957	101602065	Chr3.80134	Altp1a(+2592),Igsf3(+224686)	N/A
Chr3	101602521	101602679	Chr3.80138	Altp1a(+2003),Igsf3(+225475)	N/A
Chr3	101611768	101611928	Chr3.80152	Altp1a(-7245),Mab213(+224375)	N/A
Chr3	101667400	101667614	Chr3.80190	Altp1a(-62904),Mab213(+168716)	N/A
Chr3	101711845	101712032	Chr3.80212	Altp1a(-107336),Mab213(+124284)	N/A
Chr3	101781260	101781408	Chr3.80234	Altp1a(-176730),Mab213(+54969)	N/A
Chr3	101794189	101794417	Chr3.80245	Altp1a(-189700),Mab213(+41920)	N/A
Chr3	101805522	101805640	Chr3.80252	Altp1a(-200978),Mab213(+30642)	N/A
Chr3	101807068	101807172	Chr3.80257	Altp1a(-202517),Mab213(+29103)	N/A
Chr3	101835906	101836077	Chr3.80318	Mab213(+231)	N/A
Chr3	101875397	101875515	Chr3.80343	Mab213(-39233),Slc22a15(+48937)	N/A
Chr3	101882442	101883365	Chr3.80357	Mab213(-47081),Slc22a15(+41069)	N/A
Chr3	101964400	101964654	Chr3.80441	Nhh2(-45618),Slc22a15(-40134)	N/A
Chr3	102009910	102010516	Chr3.80477	Nhh2(+68)	N/A
Chr3	102010598	102010730	Chr3.80480	Nhh2(+519)	N/A
Chr3	102011944	102012072	Chr3.80490	Casq2(-74407),Nhh2(+1863)	N/A
Chr3	102023365	102023499	Chr3.80503	Casq2(-62983),Nhh2(+12887)	N/A
Chr3	102040282	102040661	Chr3.80523	Casq2(-36943),Nhh2(+39327)	N/A
Chr3	102055996	102056173	Chr3.80532	Casq2(-30330),Nhh2(+45940)	N/A
Chr3	102062605	102062787	Chr3.80537	Casq2(-23719),Nhh2(+52551)	N/A
Chr3	17784086	17784326	Chr3.8056	Gm5283(-553230),Gm10742(+2692)	N/A
Chr3	102065657	102065816	Chr3.80567	Casq2(-49322),Vangl1(+108950)	N/A
Chr3	10209432	102096338	Chr3.80576	Casq2(-137070),Vangl1(+105208)	N/A
Chr3	102135631	102135815	Chr3.80614	Casq2(+49308),Vangl1(+68970)	N/A
Chr3	17784649	17784765	Chr3.8063	Gm5283(-553731),Gm10742(+2191)	N/A
Chr3	17785134	17785416	Chr3.8066	Gm5283(-554299),Gm10742(+1623)	N/A
Chr3	17785980	17785926	Chr3.8067	Gm5283(-554827),Gm10742(+1095)	N/A
Chr3	102230409	102230518	Chr3.80754	Vangl1(-1229),Casq2(+117049)	N/A
Chr3	102262718	102262988	Chr3.80758	Ngfr(-207075),Vangl1(-58160)	N/A
Chr3	102266393	102266494	Chr3.80764	Ngfr(-203484),Vangl1(-61751)	N/A
Chr3	102266630	102266731	Chr3.80769	Ngfr(-203247),Vangl1(-61988)	N/A
Chr3	102340855	102340977	Chr3.80808	Vangl1(-136223),Ngfr(-129012)	N/A
Chr3	17789441	17789675	Chr3.8084	Gm10742(-2660)	N/A
Chr3	17789908	17790090	Chr3.8085	Gm10742(-3101)	N/A
Chr3	102383777	102383935	Chr3.80865	Vangl1(-179163),Ngfr(-86072)	N/A
Chr3	17790896	17791174	Chr3.8088	Gm10742(-4137)	N/A
Chr3	102469867	102470007	Chr3.80936	Ngfr(+9)	N/A
Chr3	102470821	102471134	Chr3.80941	Tspan2(-263551),Ngfr(+1050)	N/A
Chr3	102471886	102472096	Chr3.80942	Tspan2(-262468),Ngfr(+2113)	N/A
Chr3	102488508	102488610	Chr3.80968	Tspan2(-245970),Ngfr(-18631)	N/A

Chr3	102490232	102490369	Chr3.80975	Tspan2(-244228), Nlrf(+20373)	N/A
Chr3	102490403	102490518	Chr3.80978	Tspan2(-244068), Nlrf(+20533)	N/A
Chr3	102506158	102506272	Chr3.81022	Tspan2(-228314), Nlrf(+36287)	N/A
Chr3	102508973	102507192	Chr3.81026	Tspan2(-227446), Nlrf(+37155)	N/A
Chr3	102507869	102508023	Chr3.81032	Tspan2(-226583), Nlrf(+38018)	N/A
Chr3	102508237	102508433	Chr3.81033	Tspan2(-226194), Nlrf(+38407)	N/A
Chr3	102508863	102508970	Chr3.81040	Tspan2(-225612), Nlrf(+38989)	N/A
Chr3	17793707	17794091	Chr3.8105	Cyp112(-154545), Gm10742(-7001)	N/A
Chr3	102520895	102521002	Chr3.81070	Tspan2(-228314), Nlrf(+51021)	N/A
Chr3	102526591	102526800	Chr3.81084	Tspan2(-207833), Nlrf(+56768)	N/A
Chr3	102529270	102529413	Chr3.81100	Tspan2(-205187), Nlrf(+59414)	N/A
Chr3	102596944	102597280	Chr3.81123	Tspan2(-137417), Nlrf(+127184)	N/A
Chr3	102599312	102599500	Chr3.81129	Tspan2(-135123), Nlrf(+129478)	N/A
Chr3	17795208	17795449	Chr3.8113	Cyp112(-153085), Gm10742(-8481)	N/A
Chr3	102602998	102603412	Chr3.81144	Tspan2(-128174), Nlrf(+136427)	N/A
Chr3	102611447	102611569	Chr3.81154	Tspan2(-123021), Nlrf(+141580)	N/A
Chr3	102611640	102611803	Chr3.81157	Tspan2(-122807), Nlrf(+141794)	N/A
Chr3	17795654	17795780	Chr3.8116	Cyp112(-152727), Gm10742(-8819)	N/A
Chr3	102644492	102644636	Chr3.81166	Tspan2(-89965), Nlrf(+174638)	N/A
Chr3	102649446	102649789	Chr3.81172	Tspan2(-85811), Nlrf(+178790)	N/A
Chr3	102656542	102656960	Chr3.81188	Tspan2(-77918), Nlrf(+186683)	N/A
Chr3	102663366	102663477	Chr3.81209	Tspan2(-71107), Nlrf(+193494)	N/A
Chr3	102665954	102666055	Chr3.81218	Tspan2(-68524), Nlrf(+196077)	N/A
Chr3	102683391	102683513	Chr3.81242	Tspan2(-51077), Nlrf(+213524)	N/A
Chr3	102683567	102683669	Chr3.81246	Tspan2(-50911), Nlrf(+213690)	N/A
Chr3	102701387	102701555	Chr3.81253	Tspan2(-33058), Nlrf(+231545)	N/A
Chr3	102738566	102738669	Chr3.81277	Tspan2(-4089), Tshb(+44096)	N/A
Chr3	102980327	102980523	Chr3.81478	Nr1h5(-16292), Sike1(-15303)	N/A
Chr3	103020584	103020689	Chr3.81510	Csde1(+91)	N/A
Chr3	103020974	103021147	Chr3.81516	Csde1(+515)	N/A
Chr3	103059883	103057079	Chr3.81563	Nras(-1358)	N/A
Chr3	103057811	103057942	Chr3.81569	Nras(-462)	N/A
Chr3	103058023	103058243	Chr3.81571	Nras(-206)	N/A
Chr3	103067734	103067838	Chr3.81604	Ampd1(-6228), Nras(+9447)	N/A
Chr3	103102049	103102191	Chr3.81687	Dennd2c(-25436), Ampd1(+28106)	N/A
Chr3	103130281	103130574	Chr3.81701	Bcaa2(-41227), Dennd2c(-2872)	N/A
Chr3	103137820	103138020	Chr3.81735	Bcaa2(-33855), Dennd2c(-10414)	N/A
Chr3	103401589	103401834	Chr3.81883	Sytf(-173569), Trim33(+122419)	N/A
Chr3	103419889	103419994	Chr3.81900	Sytf(-155339), Trim33(+140649)	N/A
Chr3	103421535	103421682	Chr3.81902	Sytf(-153672), Trim33(+142316)	N/A
Chr3	103471437	103471545	Chr3.81931	Sytf(-103790), Trim33(+192198)	N/A
Chr3	103504744	103504853	Chr3.81949	Sytf(-70482), Trim33(+225506)	N/A
Chr3	103518730	103518908	Chr3.81971	Sytf(-56465), Trim33(+239526)	N/A
Chr3	103575186	103575323	Chr3.82025	Sytf(-26)	N/A
Chr3	103579823	103579936	Chr3.82041	Sytf(+4599), Olfml3(+158121)	N/A
Chr3	103630814	103630946	Chr3.82173	Sytf(+55599), Olfml3(+107121)	N/A
Chr3	103632443	103632567	Chr3.82179	Sytf(+57224), Olfml3(+105496)	N/A
Chr3	103719500	103719634	Chr3.82257	Olfml3(-18434), Sytf(+142086)	N/A
Chr3	103734206	103734344	Chr3.82270	Olfml3(-3726), Sytf(+158994)	N/A
Chr3	103740375	103740543	Chr3.82331	Olfml3(-2458), Gm10964(+1093)	N/A
Chr3	103743589	103743876	Chr3.82360	Gm10964(+4367), Hpk1(+47830)	N/A
Chr3	103771448	103771719	Chr3.82432	Hpk1(+19979), Gm10964(+32218)	N/A
Chr3	103788990	103789201	Chr3.82456	Hpk1(+2487), Gm10964(+49730)	N/A
Chr3	103790181	103790314	Chr3.82461	Hpk1(+1315), Gm10964(+50862)	N/A
Chr3	103802002	103802136	Chr3.82475	Hpk1(-10506), Dcrlc1b(+7375)	N/A
Chr3	103860181	103860368	Chr3.82599	Ptpn22(-5)	N/A
Chr3	18054009	18054205	Chr3.8275	Bhlhe22(-218)	N/A
Chr3	18054268	18054405	Chr3.8276	Bhlhe22(+12)	N/A
Chr3	18054434	18054603	Chr3.8277	Bhlhe22(+194)	N/A
Chr3	18055948	18056080	Chr3.8285	Bhlhe22(+1688), Cyp7b1(+187324)	N/A
Chr3	18056180	18056378	Chr3.8287	Bhlhe22(+1954), Cyp7b1(+187059)	N/A
Chr3	104059374	104059532	Chr3.82952	Plnf1(+91195), Mag3(+160650)	N/A
Chr3	104220525	104220664	Chr3.83052	Mag3(-492)	N/A
Chr3	104237905	104238022	Chr3.83067	Mag3(-17881), Gm5546(+128649)	N/A
Chr3	104238301	104238301	Chr3.83099	Mag3(-18073), Gm5546(+128427)	N/A
Chr3	104295024	104295356	Chr3.83133	Mag3(-75087), Gm5546(+71423)	N/A
Chr3	104349779	104349888	Chr3.83226	Mag3(-129731), Gm5546(+16779)	N/A
Chr3	104350039	104350181	Chr3.83230	Mag3(-130007), Gm5546(+16503)	N/A
Chr3	104350657	104350809	Chr3.83237	Mag3(-130630), Gm5546(+15880)	N/A
Chr3	104374607	104374730	Chr3.83266	Gm5546(-8056), Lrg2(+137167)	N/A
Chr3	104383867	104384085	Chr3.83278	Gm5546(-17363), Lrg2(+127890)	N/A
Chr3	104510653	104510806	Chr3.83419	Gm5546(-144117), Lrg2(+1126)	N/A
Chr3	104565750	104565869	Chr3.83444	Sic16a1(-72858), Lrg2(-53954)	N/A
Chr3	104597175	104597277	Chr3.83480	Lrg2(-85370), Sic16a1(-41442)	N/A
Chr3	104616413	104616549	Chr3.83474	Lrg2(-104625), Sic16a1(-22187)	N/A
Chr3	104647732	104647870	Chr3.83492	Sic16a1(+9133), Tafa3(+129748)	N/A
Chr3	104662008	104662218	Chr3.83551	Sic16a1(+23445), Tafa3(+115434)	N/A
Chr3	104773454	104773569	Chr3.83593	Tafa3(+4035), Sic16a1(+134844)	N/A
Chr3	104790989	104791321	Chr3.83637	Rhoc(+2144), Mov10(+27408)	N/A
Chr3	104794602	104794724	Chr3.83661	Rhoc(+5652), Mov10(+23900)	N/A
Chr3	104805536	104805759	Chr3.83748	Mov10(+12915), Rhoc(+16637)	N/A
Chr3	104817321	104817507	Chr3.83758	Mov10(+1146), Rhoc(+28408)	N/A
Chr3	104863822	104863970	Chr3.83811	Srl(-607), Capza1(+609)	N/A
Chr3	104881824	104882034	Chr3.83839	Capza1(-17424), Wnt2b(+79780)	N/A
Chr3	104930780	104931125	Chr3.83908	Capza1(-66448), Wnt2b(+30756)	N/A
Chr3	104931374	104931666	Chr3.83917	Capza1(-67015), Wnt2b(+30189)	N/A
Chr3	104936009	104936146	Chr3.83923	Capza1(-71573), Wnt2b(+25531)	N/A
Chr3	104938744	104939062	Chr3.83929	Capza1(-74398), Wnt2b(+22806)	N/A
Chr3	104940581	104940907	Chr3.83935	Capza1(-76239), Wnt2b(+20965)	N/A
Chr3	104941142	104941267	Chr3.83940	Capza1(-76700), Wnt2b(+20504)	N/A
Chr3	104943329	104943661	Chr3.83946	Capza1(-78990), Wnt2b(+18214)	N/A
Chr3	104944543	104944643	Chr3.83951	Capza1(-80088), Wnt2b(+17116)	N/A
Chr3	104945108	104945208	Chr3.83954	Capza1(-80653), Wnt2b(+16582)	N/A
Chr3	104946640	104946824	Chr3.83964	Capza1(-82227), Wnt2b(+14977)	N/A
Chr3	104956298	104956606	Chr3.83992	Capza1(-91947), Wnt2b(+5257)	N/A
Chr3	104960117	104960221	Chr3.84004	Capza1(-95664), Wnt2b(+1540)	N/A
Chr3	104962480	104962598	Chr3.84007	Wnt2b(-829)	N/A
Chr3	104964066	104964222	Chr3.84011	Wnt2b(-2435)	N/A
Chr3	104964397	104964579	Chr3.84014	Wnt2b(-2779)	N/A
Chr3	104965313	104965527	Chr3.84016	Wnt2b(-3711)	N/A
Chr3	104965903	104966028	Chr3.84019	Wnt2b(-4257)	N/A
Chr3	104967052	104967168	Chr3.84020	Wnt2b(-5401), Ctnb2n1(+86036)	N/A
Chr3	104967706	104967816	Chr3.84022	Wnt2b(-6052), Ctnb2n1(+85385)	N/A
Chr3	104994573	104994672	Chr3.84025	Wnt2b(-32914), Ctnb2n1(+58523)	N/A
Chr3	105003530	105003921	Chr3.84031	Wnt2b(-42017), Ctnb2n1(+49420)	N/A
Chr3	105003958	105004367	Chr3.84033	Wnt2b(-42454), Ctnb2n1(+48983)	N/A
Chr3	105004431	105004568	Chr3.84038	Wnt2b(-42791), Ctnb2n1(+48646)	N/A
Chr3	105018160	105018319	Chr3.84108	Wnt2b(-56531), Ctnb2n1(+34906)	N/A
Chr3	105023457	105023688	Chr3.84113	Wnt2b(-61814), Ctnb2n1(+29623)	N/A
Chr3	105051035	105051141	Chr3.84137	Wnt2b(-89379), Ctnb2n1(+2058)	N/A
Chr3	105051795	105051934	Chr3.84141	Wnt2b(-90156), Ctnb2n1(+1281)	N/A
Chr3	105054936	105055082	Chr3.84148	Ctnb2n1(-1863)	N/A
Chr3	105061094	105061326	Chr3.84152	Ctnb2n1(-8064), 4930564d02nk(-5634)	N/A
Chr3	105100070	105100211	Chr3.84182	Kend3(-352975), 4930564d02nk(+33267)	N/A
Chr3	105128009	105128259	Chr3.84201	Kend3(-324952), 4930564d02nk(+61290)	N/A
Chr3	105152092	105152194	Chr3.84232	Kend3(-300948), 4930564d02nk(+85294)	N/A
Chr3	105169384	105169489	Chr3.84251	Kend3(-283649), 4930564d02nk(+102593)	N/A
Chr3	105215805	105215922	Chr3.84322	Kend3(-237222), 4930564d02nk(+149020)	N/A
Chr3	105451866	105451993	Chr3.84589	Kend3(-1156)	N/A
Chr3	105452117	105452232	Chr3.84591	Kend3(-911)	N/A
Chr3	105453303	105453445	Chr3.84598	Kend3(-288)	N/A
Chr3	105479592	105479702	Chr3.84688	Kend3(+26561), Ddx20(+207927)	N/A
Chr3	105483730	105483935	Chr3.84696	Kend3(+30747), Ddx20(+203741)	N/A
Chr3	105489729	105489904	Chr3.84701	Kend3(+36731), Ddx20(+197757)	N/A
Chr3	105495160	105495333	Chr3.84705	Kend3(+42164), Ddx20(+192324)	N/A
Chr3	105529792	105529891	Chr3.84738	Kend3(+76756), Ddx20(+157732)	N/A
Chr3	105538527	105538741	Chr3.84745	Kend3(+85548), Ddx20(+148940)	N/A
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Chr3	105559538	105559709	Chr3.84766	Kend3(+106538), Ddx20(+127950)	N/A
Chr3	105564934	105565057	Chr3.84785	Kend3(+111910), Ddx20(+122578)	N/A
Chr3	105569728	105569836	Chr3.84798	Kend3(+116748), Ddx20(+117742)	N/A
Chr3	105590315	105590422	Chr3.84819	Ddx20(+97205), Kend3(+137383)	N/A
Chr3	18161022	18161236	Chr3.8489	Cyp7b1(+62000), Bhlhe22(+106804)	N/A
Chr3	105695883	105696192	Chr3.84997	Inka2(-8561), Ddx20(-8464)	N/A
Chr3	105696231	105696384	Chr3.85003	Ddx20(-8734), Inka2(-8291)	N/A
Chr3	105696904	105697036	Chr3.85007	Ddx20(-8396), Inka2(-7629)	N/A
Chr3	105701480	105701582	Chr3.85014	Inka2(-3068)	N/A
Chr3	105706473	105706658	Chr3.85024	Inka2(+1967), Rap1(+94764)	N/A

Chr3	105710302	105710620	Chr3.85035	<i>Inka2(+5862),Rap1a(+90869)</i>	N/A
Chr3	105712920	105713065	Chr3.85041	<i>Inka2(+8394),Rap1a(+88337)</i>	N/A
Chr3	105714316	105714503	Chr3.85044	<i>Inka2(+9811),Rap1a(+86920)</i>	N/A
Chr3	105720021	105720122	Chr3.85072	<i>Inka2(+15473),Rap1a(+81258)</i>	N/A
Chr3	105800182	105800316	Chr3.85154	<i>Rap1a(+1081),Inka2(+95650)</i>	N/A
Chr3	105816117	105816259	Chr3.85191	<i>Adora3(-54719),Rap1a(-14858)</i>	N/A
Chr3	105872326	105872434	Chr3.85249	<i>Adora3(-32043),Adora3(+1473)</i>	N/A
Chr3	105894067	105894212	Chr3.85263	<i>Adora3(-10283),Adora3(+23233)</i>	N/A
Chr3	106496076	106496193	Chr3.85754	<i>Dram2(-51663),Dram2o(+10085)</i>	N/A
Chr3	18341287	18342041	Chr3.8621	<i>Cyp7b1(-98326),Armc1(+821401)</i>	N/A
Chr3	107102491	107102603	Chr3.86227	<i>Kcna2(+980)</i>	N/A
Chr3	107102646	107102762	Chr3.86230	<i>Kcna10(-80352),Kcna2(+1137)</i>	N/A
Chr3	107113823	107114096	Chr3.86318	<i>Kcna10(-69096),Kcna2(+12393)</i>	N/A
Chr3	18376595	18376762	Chr3.8633	<i>Cyp7b1(-133341),Armc1(+786388)</i>	N/A
Chr3	107128510	107128664	Chr3.86339	<i>Kcna10(-54489),Kcna2(+27020)</i>	N/A
Chr3	107208050	107208193	Chr3.86465	<i>Cym(+13610),Kcna10(+25096)</i>	N/A
Chr3	107324708	107325546	Chr3.86636	<i>Rbm15(+8162),Slc16a4(+33897)</i>	N/A
Chr3	107329559	107329705	Chr3.86666	<i>Rbm15(+3657),Slc16a4(+38402)</i>	N/A
Chr3	107333555	107333721	Chr3.86708	<i>Rbm15(-349)</i>	N/A
Chr3	107411860	107412088	Chr3.86768	<i>Rbm15(-78862),Kcnc4(+46924)</i>	N/A
Chr3	107448927	107447076	Chr3.86831	<i>Rbm15(-113713),Kcnc4(+11896)</i>	N/A
Chr3	107501785	107501897	Chr3.86980	<i>Kcnc4(-42943),Slc6a17(+16177)</i>	N/A
Chr3	107506115	107506214	Chr3.86990	<i>Kcnc4(-47267),Slc6a17(+11853)</i>	N/A
Chr3	107528727	107528926	Chr3.87020	<i>Slc6a17(-10809),Ubi4b(+26246)</i>	N/A
Chr3	107537382	107537490	Chr3.87031	<i>Slc6a17(-19418),Ubi4b(+17637)</i>	N/A
Chr3	107565273	107565489	Chr3.87069	<i>Alix(-29650),Ubi4b(-10308)</i>	N/A
Chr3	107568906	107569037	Chr3.87073	<i>Alix(-26059),Ubi4b(-13899)</i>	N/A
Chr3	107577679	107577846	Chr3.87077	<i>Ubi4b(-22690),Alix3(-17268)</i>	N/A
Chr3	107578040	107578243	Chr3.87080	<i>Ubi4b(-23069),Alix3(-16889)</i>	N/A
Chr3	107581409	107581801	Chr3.87087	<i>Ubi4b(-26532),Alix3(-13426)</i>	N/A
Chr3	107582403	107582539	Chr3.87091	<i>Ubi4b(-27389),Alix3(-12660)</i>	N/A
Chr3	107584559	107585000	Chr3.87098	<i>Ubi4b(-29657),Alix3(-10101)</i>	N/A
Chr3	107585362	107585470	Chr3.87102	<i>Ubi4b(-30343),Alix3(-9615)</i>	N/A
Chr3	107591353	107591497	Chr3.87108	<i>Alix3(-3606)</i>	N/A
Chr3	107593693	107594013	Chr3.87114	<i>Alix3(-1178)</i>	N/A
Chr3	107596526	107596724	Chr3.87119	<i>Gm10961(-34697),Alix3(+1594)</i>	N/A
Chr3	107599340	107599456	Chr3.87122	<i>Gm10961(-31924),Alix3(+4367)</i>	N/A
Chr3	107600316	107600432	Chr3.87133	<i>Gm10961(-30948),Alix3(+5343)</i>	N/A
Chr3	107607411	107607655	Chr3.87167	<i>Gm10961(-23789),Alix3(+12502)</i>	N/A
Chr3	107612536	107612666	Chr3.87172	<i>Gm10961(-18721),Alix3(+17570)</i>	N/A
Chr3	107683684	107683821	Chr3.87324	<i>Strip1(-52043),Ahyo1(+12807)</i>	N/A
Chr3	107690543	107690760	Chr3.87330	<i>Strip1(-58942),Ahyo1(+5908)</i>	N/A
Chr3	107691859	107691958	Chr3.87334	<i>Strip1(-60199),Ahyo1(+4651)</i>	N/A
Chr3	107695377	107695562	Chr3.87350	<i>Strip1(-63760),Ahyo1(+1090)</i>	N/A
Chr3	107741044	107741171	Chr3.87385	<i>Ahyo1(-44548),Csfl(+19361)</i>	N/A
Chr3	107742972	107743098	Chr3.87393	<i>Ahyo1(-46475),Csfl(+17434)</i>	N/A
Chr3	107743231	107743401	Chr3.87396	<i>Ahyo1(-46756),Csfl(+17153)</i>	N/A
Chr3	107749729	107749902	Chr3.87422	<i>Ahyo1(-53256),Csfl(+10653)</i>	N/A
Chr3	107757883	107757992	Chr3.87446	<i>Ahyo1(-61378),Csfl(+2531)</i>	N/A
Chr3	107787012	107787113	Chr3.87475	<i>Eps8l3(-90167),Csfl(-26594)</i>	N/A
Chr3	107793605	107793709	Chr3.87493	<i>Eps8l3(-83573),Csfl(-33188)</i>	N/A
Chr3	107831977	107832088	Chr3.87509	<i>Csfl(-71564),Eps8l3(-45197)</i>	N/A
Chr3	107850778	107850937	Chr3.87530	<i>Csfl(-90389),Eps8l3(-26372)</i>	N/A
Chr3	107852917	107853023	Chr3.87534	<i>Csfl(-92501),Eps8l3(-24260)</i>	N/A
Chr3	107855379	107855544	Chr3.87540	<i>Csfl(-94993),Eps8l3(-21768)</i>	N/A
Chr3	18625386	18626084	Chr3.87558	<i>Cyp7b1(-382397),Armc1(+537330)</i>	N/A
Chr3	108081774	108081937	Chr3.87842	<i>Gm12500(-4120)</i>	N/A
Chr3	108082345	108082499	Chr3.87844	<i>Gm12500(-3554)</i>	N/A
Chr3	108085625	108085532	Chr3.87852	<i>Gm12500(-497)</i>	N/A
Chr3	18148963	18149187	Chr3.87964	<i>Gna13(-2929)</i>	N/A
Chr3	108149746	108149949	Chr3.87967	<i>Gna13(-3702)</i>	N/A
Chr3	108154770	108155004	Chr3.88010	<i>Gpr61(-5)</i>	N/A
Chr3	108158712	108158928	Chr3.88015	<i>Gpr61(-3938)</i>	N/A
Chr3	108160568	108160736	Chr3.88024	<i>Amigo1(-19708),Gpr61(-11770)</i>	N/A
Chr3	108174881	108175168	Chr3.88038	<i>Gpr61(-20143),Amigo1(-11333)</i>	N/A
Chr3	108175326	108175481	Chr3.88041	<i>Gpr61(-20522),Amigo1(-10954)</i>	N/A
Chr3	108188762	108188895	Chr3.88103	<i>Amigo1(+2471),Cyb561d1(+12005)</i>	N/A
Chr3	108191688	108191805	Chr3.88123	<i>Amigo1(+5389),Cyb561d1(+9087)</i>	N/A
Chr3	108196274	108196438	Chr3.88129	<i>Cyb561d1(+4478),Amigo1(+9998)</i>	N/A
Chr3	108196725	108196925	Chr3.88131	<i>Cyb561d1(+4059),Amigo1(+10471)</i>	N/A
Chr3	108197400	108197491	Chr3.88137	<i>Cyb561d1(-2438),Amigo1(+11036)</i>	N/A
Chr3	108202200	108202408	Chr3.88160	<i>Cyb561d1(-1470)</i>	N/A
Chr3	18665843	18666055	Chr3.8817	<i>Cyp7b1(-422611),Armc1(+497116)</i>	N/A
Chr3	108205292	108205402	Chr3.88184	<i>Cyb561d1(-4513)</i>	N/A
Chr3	108209070	1082090310	Chr3.88202	<i>Cyb561d1(-8358),Atxn7l2(+1744)</i>	N/A
Chr3	108209509	108209806	Chr3.88207	<i>Cyb561d1(-8524),Atxn7l2(+1276)</i>	N/A
Chr3	108209920	108210279	Chr3.88210	<i>Atxn7l2(+834)</i>	N/A
Chr3	108210833	108211421	Chr3.88222	<i>Atxn7l2(-193)</i>	N/A
Chr3	108226592	108226752	Chr3.88291	<i>Syp2l(-73)</i>	N/A
Chr3	108282521	108282790	Chr3.88335	<i>Sort1(-1435)</i>	N/A
Chr3	108283904	108284073	Chr3.88342	<i>Sort1(-102)</i>	N/A
Chr3	108287666	108287900	Chr3.88347	<i>Mybphl(-77128),Sort1(+3692)</i>	N/A
Chr3	108287956	108288201	Chr3.88350	<i>Mybphl(-76832),Sort1(+3988)</i>	N/A
Chr3	108306628	108306747	Chr3.88373	<i>Mybphl(-58223),Sort1(+22597)</i>	N/A
Chr3	18683836	18684027	Chr3.8846	<i>Cyp7b1(-440594),Armc1(+479133)</i>	N/A
Chr3	10830791	108309057	Chr3.88472	<i>Mybphl(-4037)</i>	N/A
Chr3	108361099	108361503	Chr3.88477	<i>Mybphl(-3610)</i>	N/A
Chr3	108371187	108371336	Chr3.88491	<i>Parc1(-12597),Mybphl(+6351)</i>	N/A
Chr3	108384192	108384291	Chr3.88553	<i>Parc1(+383)</i>	N/A
Chr3	18695608	18695833	Chr3.8856	<i>Cyp7b1(-452383),Armc1(+467344)</i>	N/A
Chr3	108391371	108391613	Chr3.88589	<i>Parc1(+7633),Celsr2(+24060)</i>	N/A
Chr3	108391795	108392005	Chr3.88593	<i>Parc1(+8041),Celsr2(+23652)</i>	N/A
Chr3	108392076	108392219	Chr3.88598	<i>Parc1(+8439),Celsr2(+2354)</i>	N/A
Chr3	108392563	108392764	Chr3.88602	<i>Parc1(+8805),Celsr2(+22888)</i>	N/A
Chr3	108418036	108418194	Chr3.88913	<i>Celsr2(-2563)</i>	N/A
Chr3	108424138	108424248	Chr3.88919	<i>Celsr2(-8641),Sars(+20976)</i>	N/A
Chr3	108424559	108424743	Chr3.88921	<i>Celsr2(-9099),Sars(+20518)</i>	N/A
Chr3	108433590	108433960	Chr3.88970	<i>Celsr2(-18223),Sars(+11394)</i>	N/A
Chr3	108536412	108536771	Chr3.89184	<i>77001307nlk(-949),5330417c22nlk(-75)</i>	N/A
Chr3	108586727	108586961	Chr3.89257	<i>Wdr47(-4435)</i>	N/A
Chr3	108592431	108592565	Chr3.89269	<i>Ctcf1(-61492),Wdr47(+1219)</i>	N/A
Chr3	108690103	108690238	Chr3.89389	<i>Gpm2(+32016),Ctcf1(+36181)</i>	N/A
Chr3	108711369	108711616	Chr3.89416	<i>Gpm2(+10694),Ctcf1(+57033)</i>	N/A
Chr3	108722682	108722839	Chr3.89424	<i>Gpm2(-574)</i>	N/A
Chr3	108744364	108744469	Chr3.89447	<i>Aknad1(+4759),Stxbp3(+96094)</i>	N/A
Chr3	108759593	108759739	Chr3.89470	<i>Aknad1(+20088),Stxbp3(+80845)</i>	N/A
Chr3	108759979	108760096	Chr3.89478	<i>Aknad1(+20380),Stxbp3(+80473)</i>	N/A
Chr3	108910284	108910626	Chr3.89672	<i>Fndc7(-20447),Prpf38b(+1272)</i>	N/A
Chr3	108910682	108910829	Chr3.89673	<i>Prpf38b(+971)</i>	N/A
Chr3	108911649	108911749	Chr3.89686	<i>Prpf38b(+28)</i>	N/A
Chr3	109010900	109011167	Chr3.89746	<i>Gm9857(-70589),Fam102b(+16573)</i>	N/A
Chr3	109179684	109179861	Chr3.89901	<i>Vav3(-160880),Slc25a24(+56624)</i>	N/A
Chr3	109251275	109251378	Chr3.89928	<i>Vav3(-89326),Slc25a24(+128178)</i>	N/A
Chr3	109253980	109254195	Chr3.89940	<i>Vav3(-86958),Slc25a24(+130939)</i>	N/A
Chr3	5088618	5088688	Chr3.900	<i>Gm10748(-12611),Gm8775(+877308)</i>	N/A
Chr3	109341823	109341946	Chr3.90007	<i>Vav3(+1232),Nng1(+793523)</i>	N/A
Chr3	109369076	109369254	Chr3.90023	<i>Vav3(+28512),Nng1(+766343)</i>	N/A
Chr3	109537610	109537811	Chr3.90118	<i>Vav3(+197058),Nng1(+597797)</i>	N/A
Chr3	109573787	109574146	Chr3.90191	<i>Vav3(+233314),Nng1(+561541)</i>	N/A
Chr3	5088951	5089172	Chr3.902	<i>Gm10748(-125701),Gm8775(+877346)</i>	N/A
Chr3	109579137	109579312	Chr3.90207	<i>Vav3(+238572),Nng1(+596263)</i>	N/A
Chr3	109582854	109583169	Chr3.90210	<i>Vav3(+242359),Nng1(+552496)</i>	N/A
Chr3	109584464	109584755	Chr3.90217	<i>Vav3(+243957),Nng1(+550898)</i>	N/A
Chr3	109623080	109623218	Chr3.90266	<i>Vav3(+282496),Nng1(+512359)</i>	N/A
Chr3	109636457	109636569	Chr3.90291	<i>Vav3(+295856),Nng1(+498999)</i>	N/A
Chr3	109642513	109642798	Chr3.90302	<i>Vav3(+302022),Nng1(+492853)</i>	N/A
Chr3	109683565	109683880	Chr3.90383	<i>Vav3(+343070),Nng1(+451785)</i>	N/A
Chr3	109685064	109685206	Chr3.90394	<i>Vav3(+344482),Nng1(+450373)</i>	N/A
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Chr3	109732584	109732714	Chr3.90459	<i>Vav3(+391996),Nng1(+402859)</i>	N/A
Chr3	109740639	109740773	Chr3.90467	<i>Nng1(-394802),Vav3(+460053)</i>	N/A
Chr3	18942066	18941420	Chr3.9050	<i>Cyp7b1(-698005),Armc1(+221722)</i>	N/A
Chr3	18941680	18941815	Chr3.90503	<i>Cyp7b1(-698410),Armc1(+221317)</i>	N/A
Chr3	109780129	109780276	Chr3.90532	<i>Nng1(+355305),Vav3(+439550)</i>	N/A
Chr3	109782212	109782352	Chr3.90551	<i>Nng1(+353226),Vav3(+441629)</i>	N/A
Chr3	109783219	109783320	Chr3.90564	<i>Nng1(+352238),Vav3(+442617)</i>	N/A
Chr3	18989305	18989444	Chr3.9066	<i>Cyp7b1(-746037),Armc1(+173689)</i>	N/A
Chr3	109847829	109847953	Chr3.90752	<i>Nng1(+287617),Vav3(+507238)</i>	N/A

Chr3	5089443	5089981	Chr3.908	Gm10748(-125051),Gm8775(+877996)	N/A
Chr3	109906795	109906908	Chr3.90867	Ntng1(+228656),Vav3(+566199)	N/A
Chr3	109917853	109918125	Chr3.90869	Ntng1(+217319),Vav3(+577356)	N/A
Chr3	109936317	109935446	Chr3.90948	Ntng1(+199126),Vav3(+565729)	N/A
Chr3	110022876	110023448	Chr3.91072	Ntng1(+112345),Vav3(+682510)	N/A
Chr3	110131590	110131697	Chr3.91227	Ntng1(+3864),Vav3(+790991)	N/A
Chr3	110141455	110141571	Chr3.91281	Ntng1(-6005),Ntng1(+2498)	N/A
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Chr3	110143753	110143868	Chr3.91295	Ntng1(+200)	N/A
Chr3	5090038	5090058	Chr3.913	Gm10744(-124415),Gm8775(+878632)	N/A
Chr3	110248822	110248943	Chr3.91385	Ntng1(-104872),Ptm6(+2110)	N/A
Chr3	5090709	5090865	Chr3.916	Gm10748(-123976),Gm8775(+879071)	N/A
Chr3	19163024	19163133	Chr3.9170	Ammc1(-14)	N/A
Chr3	19203909	19203923	Chr3.9187	Mtfr1(+15756),Pde7a(+107456)	N/A
Chr3	110985436	110985571	Chr3.91950	Ptm6(-734511)	N/A
Chr3	112260573	112260787	Chr3.92296	Amy2a5(+998157)	N/A
Chr3	112731977	112732115	Chr3.92484	Amy2a5(+526791)	N/A
Chr3	19227112	19227226	Chr3.9249	Mtfr1(+39059),Pde7a(+84153)	N/A
Chr3	19227404	19227676	Chr3.9252	Mtfr1(+39430),Pde7a(+83782)	N/A
Chr3	13697637	13697996	Chr3.92891	Col11a1(-332722),Rnpc3(-67669)	N/A
Chr3	13698667	13698929	Chr3.92896	Col11a1(-331742),Rnpc3(-68649)	N/A
Chr3	13699038	13699473	Chr3.92898	Col11a1(-331284),Rnpc3(-69107)	N/A
Chr3	19264901	19265043	Chr3.9290	Pde7a(+46350),Mtfr1(+76862)	N/A
Chr3	13859521	13859897	Chr3.92960	Rnpc3(-229560),Col11a1(-170831)	N/A
Chr3	13953327	13953433	Chr3.93009	Rnpc3(-323231),Col11a1(-77160)	N/A
Chr3	13953728	13953940	Chr3.93013	Rnpc3(-323689),Col11a1(-76760)	N/A
Chr3	13999398	13999519	Chr3.93030	Rnpc3(-369305),Col11a1(-31086)	N/A
Chr3	13999873	14400097	Chr3.93033	Rnpc3(-369836),Col11a1(-30555)	N/A
Chr3	14000683	14400889	Chr3.93040	Rnpc3(-370637),Col11a1(-29754)	N/A
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Chr3	144030511	144030674	Chr3.93062	Col11a1(+53)	N/A
Chr3	144031733	144031949	Chr3.93070	Col11a1(+1301)	N/A
Chr3	144036666	144036913	Chr3.93084	Col11a1(+6250)	N/A
Chr3	144065764	144065948	Chr3.93102	Col11a1(+35316)	N/A
Chr3	144065980	144066131	Chr3.93104	Col11a1(+35516)	N/A
Chr3	141431850	141432048	Chr3.93193	Olfr3(-549910),Col11a1(+101410)	N/A
Chr3	19403394	19404496	Chr3.9334	Dnajc5b(-142426),Pde7a(-95123)	N/A
Chr3	19426343	19426465	Chr3.9340	Pde7a(-115052),Dnajc5b(-104267)	N/A
Chr3	19509323	19509522	Chr3.9390	Pde7a(-198101),Dnajc5b(-21248)	N/A
Chr3	115554257	115554386	Chr3.94009	Slpr1(+160733),Olfr3(+473357)	N/A
Chr3	115631970	115632128	Chr3.94082	Slpr1(+83006),Olfr3(+551084)	N/A
Chr3	115673888	115674001	Chr3.94109	Slpr1(+41110),Olfr3(+592960)	N/A
Chr3	115689548	115689680	Chr3.94119	Slpr1(+25411),Olfr3(+606849)	N/A
Chr3	115690802	115690240	Chr3.94131	Slpr1(+15894),Olfr3(+618196)	N/A
Chr3	115711390	115711516	Chr3.94164	Slpr1(+3602),Olfr3(+630488)	N/A
Chr3	115713064	115713173	Chr3.94198	Slpr1(+1936),Olfr3(+632154)	N/A
Chr3	115713672	115713802	Chr3.94200	Slpr1(+1318),Olfr3(+632772)	N/A
Chr3	115762954	115763086	Chr3.94235	Slpr1(-47966),A930005h10rk(+125109)	N/A
Chr3	115815621	115815837	Chr3.94299	Slpr1(-100674),A930005h10rk(+72401)	N/A
Chr3	115855607	115855861	Chr3.94319	Slpr1(-140679),A930005h10rk(+32396)	N/A
Chr3	115888860	115889052	Chr3.94339	A930005h10rk(-826),Dph5(+773)	N/A
Chr3	115962005	115962348	Chr3.94415	Slc30a7(+45229),Dph5(+73994)	N/A
Chr3	116129455	116129689	Chr3.94654	Vcam1(-166)	N/A
Chr3	116221744	116222000	Chr3.94734	Vcam1(-92184),Gpr88(+31612)	N/A
Chr3	19644376	19644539	Chr3.9478	Trnm55(-2)	N/A
Chr3	116253487	116253622	Chr3.94782	Gpr88(-71)	N/A
Chr3	116274605	116274745	Chr3.94805	Gpr88(-21191),Cdc14a(+149357)	N/A
Chr3	116280015	116280194	Chr3.94814	Gpr88(-26621),Cdc14a(+143927)	N/A
Chr3	116327239	116327415	Chr3.94875	Gpr88(-33843),Cdc14a(+96705)	N/A
Chr3	116369065	116369238	Chr3.94914	Gpr88(-115668),Cdc14a(+54890)	N/A
Chr3	116421287	116421472	Chr3.94954	Gpr88(-167896),Cdc14a(+2652)	N/A
Chr3	116424082	116424308	Chr3.94962	Cdc14a(-163)	N/A
Chr3	116447354	116447531	Chr3.94976	Cdc14a(-234111),Rtca(+60765)	N/A
Chr3	116662536	116662640	Chr3.95189	Mst914a(+89)	N/A
Chr3	116807824	116808027	Chr3.95350	Agp1(-240)	N/A
Chr3	116967796	116967903	Chr3.95579	493045Sh04rk(-417)	N/A
Chr3	116968724	116968936	Chr3.95583	Palmd(+157),493045Sh04rk(+563)	N/A
Chr3	116982287	116982409	Chr3.95590	Palmd(-13361),170006117rk(+95417)	N/A
Chr3	116985235	116985564	Chr3.95595	Palmd(-16413),170006117rk(+92365)	N/A
Chr3	117044353	117044606	Chr3.95644	Palmd(-75493),170006117rk(+33289)	N/A
Chr3	117107958	117108108	Chr3.95676	170006117rk(-30268),Plppr4(+252943)	N/A
Chr3	19693728	19693854	Chr3.9582	Chr1(+1605),Trnm55(+49331)	N/A
Chr3	117840086	117840444	Chr3.96192	Snx7(-28671),Plppr5(+264905)	N/A
Chr3	117994549	117994725	Chr3.96333	Dpyd(-567492),Snx7(-125701)	N/A
Chr3	118430300	118430429	Chr3.96800	Snx7(-561429),Dpyd(-131764)	N/A
Chr3	118430498	118430768	Chr3.96801	Snx7(-561697),Dpyd(-131496)	N/A
Chr3	118430945	118431081	Chr3.96803	Snx7(-562077),Dpyd(-131116)	N/A
Chr3	118431111	118431348	Chr3.96804	Snx7(-562294),Dpyd(-130899)	N/A
Chr3	118431397	118431695	Chr3.96805	Snx7(-562610),Dpyd(-130583)	N/A
Chr3	118433595	118433755	Chr3.96817	Snx7(-564739),Dpyd(-128454)	N/A
Chr3	118433841	118434024	Chr3.96818	Snx7(-564997),Dpyd(-128196)	N/A
Chr3	118434391	118434525	Chr3.96821	Snx7(-565522),Dpyd(-127671)	N/A
Chr3	118434642	118434835	Chr3.96824	Snx7(-565803),Dpyd(-127390)	N/A
Chr3	118473259	118473474	Chr3.96892	Snx7(-604431),Dpyd(-88762)	N/A
Chr3	118548190	118548552	Chr3.96885	Snx7(-679435),Dpyd(-13758)	N/A
Chr3	11864408	118644623	Chr3.97074	Dpyd(+102387)	N/A
Chr3	19894976	19895038	Chr3.9722	453241806rk(+521)	N/A
Chr3	19957121	19957229	Chr3.9740	Cpl(+121)	N/A
Chr3	119154756	119155238	Chr3.97592	Dpyd(-592868),Ptbp2(+628391)	N/A
Chr3	119192784	119192964	Chr3.97636	Ptbp2(+590514),Dpyd(+630745)	N/A
Chr3	119387534	119388310	Chr3.97951	Ptbp2(+395466),Dpyd(+825793)	N/A
Chr3	119523375	119523651	Chr3.98160	Ptbp2(+259875),Dpyd(+961384)	N/A
Chr3	119578523	119578702	Chr3.98254	Ptbp2(+204775)	N/A
Chr3	119578736	119578932	Chr3.98256	Ptbp2(+204554)	N/A
Chr3	119579124	119579328	Chr3.98259	Ptbp2(+204162)	N/A
Chr3	119718734	119718843	Chr3.98374	Ptbp2(+64599)	N/A
Chr3	119845934	119846102	Chr3.98452	Ptbp2(-62630)	N/A
Chr3	119893044	119893498	Chr3.98525	Ptbp2(-109883)	N/A
Chr3	119893599	119894162	Chr3.98529	Ptbp2(-110493)	N/A
Chr3	119927909	119928189	Chr3.98575	Ptbp2(-144661)	N/A
Chr3	119933015	119933344	Chr3.98581	Ptbp2(-149792)	N/A
Chr3	119948600	119948848	Chr3.98619	Ptbp2(-165336)	N/A
Chr3	119949595	119949857	Chr3.98625	Ptbp2(-166338)	N/A
Chr3	119959796	119959920	Chr3.98660	Ptbp2(-212470)	N/A
Chr3	120011904	120012114	Chr3.98696	Ptbp2(-228621)	N/A
Chr3	120472627	120472733	Chr3.99148	Ptbp2(-689292),Rwdd3(+699014)	N/A
Chr3	120473769	120473877	Chr3.99159	Ptbp2(-690435),Rwdd3(+697871)	N/A
Chr3	120637085	120637214	Chr3.99296	Ptbp2(-853762),Rwdd3(+534544)	N/A
Chr3	120728627	120730044	Chr3.99414	Ptbp2(-946549),Rwdd3(+441758)	N/A
Chr3	12089359	120898511	Chr3.99644	Rwdd3(+273259)	N/A
Chr3	120983788	120983983	Chr3.99737	Rwdd3(+187808)	N/A
Chr3	121081764	121081932	Chr3.99825	Rwdd3(+89646)	N/A
Chr3	5203086	5203509	Chr3.999	Gm10748(-11465),Gm8775(+991582)	N/A
Chr3	121105360	121105463	Chr3.99906	Rwdd3(+66282)	N/A
Chr3	20057827	20057779	Chr3.9993	Hif1(-108)	N/A
Chr3	121159867	121159992	Chr3.99987	Rwdd3(+11764)	N/A
Chr4	117178602	117178741	Chr4.100040	Rps8(-22429),Klf2c(+3967)	N/A
Chr4	117229548	117229663	Chr4.100068	Klf2c(-46967),Armh1(+22311)	N/A
Chr4	117234220	117234412	Chr4.100082	Klf2c(-51677),Armh1(+17601)	N/A
Chr4	117251743	117251874	Chr4.100101	Tnrm53(-141),Armh1(+107)	N/A
Chr4	117271465	117271612	Chr4.100150	Tnrm53(+1958),Rnf220(+225513)	N/A
Chr4	117271655	117271803	Chr4.100152	Tnrm53(+19778),Rnf220(+225323)	N/A
Chr4	117271938	117272059	Chr4.100156	Tnrm53(+20048),Rnf220(+225053)	N/A
Chr4	117272634	117272761	Chr4.100168	Tnrm53(+20747),Rnf220(+224354)	N/A
Chr4	117279411	117279650	Chr4.100195	Tnrm53(+27580),Rnf220(+217521)	N/A
Chr4	117281425	117281586	Chr4.100209	Tnrm53(+29555),Rnf220(+215546)	N/A
Chr4	117283137	117283478	Chr4.100212	Tnrm53(+31357),Rnf220(+213744)	N/A
Chr4	117283541	117283896	Chr4.100217	Tnrm53(+31768),Rnf220(+213333)	N/A
Chr4	117284783	117285164	Chr4.100223	Tnrm53(+33023),Rnf220(+212078)	N/A
Chr4	117285215	117285338	Chr4.100225	Tnrm53(+33326),Rnf220(+211775)	N/A
Chr4	117286573	117286791	Chr4.100226	Tnrm53(+34731),Rnf220(+210370)	N/A
Chr4	117289362	117289721	Chr4.100234	Tnrm53(+36591),Rnf220(+208516)	N/A
Chr4	117296858	117297011	Chr4.100251	Tnrm53(+44984),Rnf220(+200117)	N/A
Chr4	117297102	117297246	Chr4.100257	Tnrm53(+45223),Rnf220(+199878)	N/A
Chr4	117299893	117300072	Chr4.100263	Tnrm53(+48032),Rnf220(+197069)	N/A
Chr4	117304078	117304227	Chr4.100268	Tnrm53(+52202),Rnf220(+192899)	N/A
Chr4	117304280	117304431	Chr4.100270	Tnrm53(+52405),Rnf220(+192899)	N/A
Chr4	117312457	117312579	Chr4.100277	Tnrm53(+60567),Rnf220(+184534)	N/A

Chr4	117317212	117317419	Chr4_100289	Tmem53(+65365),Rnf220(+179736)	N/A
Chr4	117317642	117317831	Chr4_100291	Tmem53(+65786),Rnf220(+179315)	N/A
Chr4	117320895	117331036	Chr4_100305	Tmem53(+79015),Rnf220(+160808)	N/A
Chr4	117342831	117343035	Chr4_100319	Tmem53(+40962),Rnf220(+154149)	N/A
Chr4	117353821	117353968	Chr4_100340	Tmem53(+101944),Rnf220(+143157)	N/A
Chr4	117357148	117357322	Chr4_100345	Tmem53(+105284),Rnf220(+139817)	N/A
Chr4	117373501	117373801	Chr4_100363	Tmem53(+121700),Rnf220(+123401)	N/A
Chr4	117373940	117374059	Chr4_100364	Tmem53(+122049),Rnf220(+123052)	N/A
Chr4	117391133	117391449	Chr4_100379	Rnf220(+105781),Tmem53(+139340)	N/A
Chr4	117391595	117391829	Chr4_100382	Rnf220(+105340),Tmem53(+139716)	N/A
Chr4	117391908	117392305	Chr4_100383	Rnf220(+104945),Tmem53(+140156)	N/A
Chr4	117393273	117393410	Chr4_100389	Rnf220(+103710),Tmem53(+141391)	N/A
Chr4	117406235	117406366	Chr4_100399	Rnf220(+90751),Tmem53(+154350)	N/A
Chr4	117409399	117409620	Chr4_100404	Rnf220(+87542),Tmem53(+157559)	N/A
Chr4	117409652	117410211	Chr4_100407	Rnf220(+87120),Tmem53(+157981)	N/A
Chr4	117411503	117411987	Chr4_100418	Rnf220(+85307),Tmem53(+158794)	N/A
Chr4	117415337	117415485	Chr4_100425	Rnf220(+81641),Tmem53(+163460)	N/A
Chr4	117415579	117415885	Chr4_100428	Rnf220(+81420),Tmem53(+163681)	N/A
Chr4	117427122	117427350	Chr4_100438	Rnf220(+69816),Tmem53(+175285)	N/A
Chr4	117480393	117481035	Chr4_100506	Rnf220(+16068),Tmem53(+229033)	N/A
Chr4	117481110	117481293	Chr4_100507	Rnf220(+16860),Tmem53(+229251)	N/A
Chr4	15815203	15815376	Chr4_10052	Calb1(-65974),Tmem54(+549459)	N/A
Chr4	117483834	117483974	Chr4_100523	Rnf220(+13148),Tmem53(+231953)	N/A
Chr4	117484974	117485121	Chr4_100525	Rnf220(+12004),Tmem53(+233097)	N/A
Chr4	117488823	117488978	Chr4_100549	Rnf220(+81521),Tmem53(+236949)	N/A
Chr4	117493384	117493213	Chr4_100573	Rnf220(+3903),Tmem53(+241198)	N/A
Chr4	117496582	117496966	Chr4_100593	Rnf220(+153)	N/A
Chr4	117497051	117497150	Chr4_100594	Rnf220(-49)	N/A
Chr4	117546275	117546608	Chr4_100613	Er3(-3923)	N/A
Chr4	117550159	117550482	Chr4_100615	Er3(-54)	N/A
Chr4	117556255	117556381	Chr4_100640	Er3(-39653),Dmap1(+125855)	N/A
Chr4	117563937	117564054	Chr4_100654	Er3(+1363),Dmap1(+118277)	N/A
Chr4	117568981	117569162	Chr4_100678	Er3(+18707),Dmap1(+113201)	N/A
Chr4	117570802	117570978	Chr4_100689	Er3(+20525),Dmap1(+111383)	N/A
Chr4	117581800	117581989	Chr4_100722	Er3(+31530),Dmap1(+100378)	N/A
Chr4	117589483	117589803	Chr4_100739	Er3(-39278),Dmap1(+92630)	N/A
Chr4	117593115	117595683	Chr4_100749	Er3(+45134),Dmap1(+86774)	N/A
Chr4	117595744	117595921	Chr4_100754	Er3(+45468),Dmap1(+86440)	N/A
Chr4	117600058	117600315	Chr4_100757	Er3(+49822),Dmap1(+82086)	N/A
Chr4	117601308	117601738	Chr4_100761	Er3(+51158),Dmap1(+80750)	N/A
Chr4	117604436	117604579	Chr4_100765	Er3(+54143),Dmap1(+77765)	N/A
Chr4	117605018	117605335	Chr4_100767	Er3(+48922),Dmap1(+77086)	N/A
Chr4	117605675	117606090	Chr4_100772	Er3(+55519),Dmap1(+76390)	N/A
Chr4	117608299	117608652	Chr4_100781	Er3(+58111),Dmap1(+73797)	N/A
Chr4	117609369	117609714	Chr4_100786	Er3(+59177),Dmap1(+72731)	N/A
Chr4	117613391	117613752	Chr4_100798	Er3(+63207),Dmap1(+68701)	N/A
Chr4	117617347	117617456	Chr4_100804	Dmap1(+64871),Er3(+67037)	N/A
Chr4	117623579	117623779	Chr4_100806	Dmap1(+58594),Er3(+73314)	N/A
Chr4	117634129	117634468	Chr4_100820	Dmap1(+47974),Er3(+83934)	N/A
Chr4	117636902	117637108	Chr4_100824	Dmap1(+45268),Er3(+86640)	N/A
Chr4	117637170	117637599	Chr4_100826	Dmap1(+44888),Er3(+87020)	N/A
Chr4	117644927	117645211	Chr4_100839	Dmap1(+37204),Er3(+94704)	N/A
Chr4	117645242	117645445	Chr4_100841	Dmap1(+36929),Er3(+94979)	N/A
Chr4	117646462	117646602	Chr4_100842	Dmap1(+35741),Er3(+96167)	N/A
Chr4	117646658	117646807	Chr4_100843	Dmap1(+35540),Er3(+96366)	N/A
Chr4	117651748	117652107	Chr4_100862	Dmap1(+30345),Er3(+101563)	N/A
Chr4	117654328	117654470	Chr4_100866	Dmap1(+27874),Er3(+104034)	N/A
Chr4	117654505	117654611	Chr4_100867	Dmap1(+27719),Er3(+104193)	N/A
Chr4	117655363	117655570	Chr4_100870	Dmap1(+26760),Er3(+106148)	N/A
Chr4	117655745	117655897	Chr4_100872	Dmap1(+26452),Er3(+106458)	N/A
Chr4	117657010	117657428	Chr4_100875	Dmap1(+25054),Er3(+106854)	N/A
Chr4	117657961	117658174	Chr4_100879	Dmap1(+24205),Er3(+107703)	N/A
Chr4	117658859	117659148	Chr4_100881	Dmap1(+23269),Er3(+108639)	N/A
Chr4	117664924	117665090	Chr4_100893	Dmap1(+17268),Er3(+114642)	N/A
Chr4	117671809	117672057	Chr4_100900	Dmap1(+10340),Er3(+121568)	N/A
Chr4	117673927	117674276	Chr4_100916	Dmap1(+8171),Er3(+123737)	N/A
Chr4	117813970	117814081	Chr4_100984	Klf17(-48378),Slc6a9(-21025)	N/A
Chr4	117834813	117835046	Chr4_101009	Slc6a9(-121)	N/A
Chr4	117835215	117835485	Chr4_101011	Slc6a9(+299)	N/A
Chr4	117835508	117835710	Chr4_101013	Slc6a9(+608)	N/A
Chr4	117841793	117841974	Chr4_101020	Slc6a9(+893),Cdc24(+30345)	N/A
Chr4	117844768	117844868	Chr4_101026	Slc6a9(+9767),Cdc24(+27411)	N/A
Chr4	117847055	117847439	Chr4_101035	Slc6a9(+12196),Cdc24(+24982)	N/A
Chr4	117849419	117849639	Chr4_101044	Slc6a9(+14478),Cdc24(+22700)	N/A
Chr4	117849897	117849903	Chr4_101049	Slc6a9(+14749),Cdc24(+22429)	N/A
Chr4	117850916	117851161	Chr4_101053	Slc6a9(+15988),Cdc24(+21199)	N/A
Chr4	117853614	117853748	Chr4_101058	Cdc24(+18548),Slc6a9(+18630)	N/A
Chr4	117868292	117868424	Chr4_101140	Cdc24(+3871),Slc6a9(+33307)	N/A
Chr4	117873133	117873233	Chr4_101165	Cdc24(-954)	N/A
Chr4	117908049	117908189	Chr4_101325	Dph2(-16087),Ipo13(+6880)	N/A
Chr4	117909173	117909454	Chr4_101329	Dph2(-17282),Ipo13(+5685)	N/A
Chr4	117914163	117914554	Chr4_101359	Ipo13(+540)	N/A
Chr4	117914644	117914950	Chr4_101359	Ipo13(+202)	N/A
Chr4	117929379	117929542	Chr4_101375	Artn(+302)	N/A
Chr4	117932086	117932191	Chr4_101380	Artn(-2376)	N/A
Chr4	117947119	117947232	Chr4_101403	Artn(-17413),Sl3gal3(+187714)	N/A
Chr4	117957417	117957547	Chr4_101409	Artn(-27719),Sl3gal3(+177408)	N/A
Chr4	117977025	117977182	Chr4_101425	Artn(-47341),Sl3gal3(+157788)	N/A
Chr4	117985247	117985559	Chr4_101427	Artn(-55640),Sl3gal3(+149487)	N/A
Chr4	117993562	117993663	Chr4_101432	Artn(-63850),Sl3gal3(+141277)	N/A
Chr4	117997680	117997823	Chr4_101435	Artn(-67989),Sl3gal3(+137138)	N/A
Chr4	118017039	118017420	Chr4_101443	Artn(-87467),Sl3gal3(+117660)	N/A
Chr4	118030142	118030261	Chr4_101446	Artn(-100439),Sl3gal3(+104588)	N/A
Chr4	118044778	118044947	Chr4_101454	Artn(-115100),Sl3gal3(+90027)	N/A
Chr4	118058234	118058435	Chr4_101460	Artn(-128572),Sl3gal3(+76555)	N/A
Chr4	118137541	118137663	Chr4_101474	Sl3gal3(-2712)	N/A
Chr4	118179608	118179731	Chr4_101562	Kdm4a(-373)	N/A
Chr4	118209375	118209567	Chr4_101589	Kdm4a(-29428),Ptfpr(+81934)	N/A
Chr4	118209644	118209751	Chr4_101593	Kdm4a(-29655),Ptfpr(+81707)	N/A
Chr4	5722171	5722441	Chr4_1016	Ubx2b(-468792),Fam110b(+78185)	N/A
Chr4	118213008	118213214	Chr4_101648	Kdm4a(-33068),Ptfpr(+78294)	N/A
Chr4	118227245	118227373	Chr4_101742	Kdm4a(-47266),Ptfpr(+64096)	N/A
Chr4	118243209	118243844	Chr4_101840	Kdm4a(-63484),Ptfpr(+17878)	N/A
Chr4	118243922	118244042	Chr4_101845	Kdm4a(-63939),Ptfpr(+47423)	N/A
Chr4	118245394	118245540	Chr4_101855	Kdm4a(-65424),Ptfpr(+45938)	N/A
Chr4	118245928	118246084	Chr4_101861	Kdm4a(-65963),Ptfpr(+45399)	N/A
Chr4	118256492	118256603	Chr4_101884	Kdm4a(-76505),Ptfpr(+34857)	N/A
Chr4	118259881	118260059	Chr4_101894	Kdm4a(-79927),Ptfpr(+31435)	N/A
Chr4	118262996	118262724	Chr4_101905	Kdm4a(-82618),Ptfpr(+28744)	N/A
Chr4	118274603	118274781	Chr4_101923	Kdm4a(-94540),Ptfpr(+16713)	N/A
Chr4	118276531	118276786	Chr4_101927	Kdm4a(-96616),Ptfpr(+14746)	N/A
Chr4	118281574	118281740	Chr4_101935	Kdm4a(-101614),Ptfpr(+9748)	N/A
Chr4	118281887	118282040	Chr4_101938	Kdm4a(-101921),Ptfpr(+9441)	N/A
Chr4	118409141	118409310	Chr4_102243	Med9(-136),Szcz(+43)	N/A
Chr4	118417164	118417400	Chr4_102269	Elovl1(-10811),Med9(-7916)	N/A
Chr4	118429299	118429468	Chr4_102275	Elovl1(+1291),Cdc20(+7968)	N/A
Chr4	118429542	118429702	Chr4_102278	Elovl1(+1529),Cdc20(+7730)	N/A
Chr4	118432220	118432545	Chr4_102304	Elovl1(+4290),Cdc20(+4969)	N/A
Chr4	118465716	118465839	Chr4_102377	Mpl(-8283),Tie1(+24283)	N/A
Chr4	5724158	5724603	Chr4_1024	Ubx2b(-468717),Fam110b(+80260)	N/A
Chr4	118511111	118511349	Chr4_102497	Tie1(+21169),261052811nk(+16013)	N/A
Chr4	118513568	118513685	Chr4_102499	Tie1(-23566),261052811nk(-13616)	N/A
Chr4	118542651	118542755	Chr4_102537	Tmem125(+1025),261052811nk(+15460)	N/A
Chr4	118543999	118544162	Chr4_102543	Tmem125(-353)	N/A
Chr4	119008749	119008857	Chr4_103120	Slc2a1(-99908),Lao1(+47225)	N/A
Chr4	119011398	119011573	Chr4_103123	Slc2a1(-97225),Lao1(+49908)	N/A
Chr4	119021927	119022173	Chr4_103137	Slc2a1(-86661),Lao1(+60472)	N/A
Chr4	119026504	119026663	Chr4_103139	Slc2a1(-82127),Lao1(+65006)	N/A
Chr4	119040090	119040247	Chr4_103141	Slc2a1(-68542),Lao1(+78591)	N/A
Chr4	119044276	119044647	Chr4_103149	Slc2a1(-64249),Lao1(+82884)	N/A
Chr4	119071921	119072034	Chr4_103166	Slc2a1(-36733),Lao1(+119409)	N/A
Chr4	119080995	119080527	Chr4_103169	Slc2a1(-13550),Lao1(+132583)	N/A
Chr4	119112673	119112817	Chr4_103192	Slc2a1(+4034),Zfp691(+61111)	N/A
Chr4	119174152	119174292	Chr4_103285	Zfp691(-366)	N/A
Chr4	119294340	119294768	Chr4_103545	Ybx1(+50)	N/A
Chr4	119400953	119481405	Chr4_103980	Rimka(+31449),Zmynd12(+38365)	N/A
Chr4	119480969	119481119	Chr4_103739	Rimka(+11614),Zmynd12(+58200)	N/A
Chr4	119627124	119627240	Chr4_103812	Guca2a(-10622),Fosy3(+87521)	N/A

Chr4	119814635	119814776	Chr4.103937	Hivep3(+211)	N/A
Chr4	119871970	119872153	Chr4.103992	Edn2(-289144),Hivep3(+57567)	N/A
Chr4	119876900	119876752	Chr4.104003	Edn2(-294530),Hivep3(+52181)	N/A
Chr4	119911675	119911811	Chr4.104016	Edn2(-294943),Hivep3(+97249)	N/A
Chr4	119937897	119938186	Chr4.104020	Edn2(-223169),Hivep3(+123542)	N/A
Chr4	119970280	119970437	Chr4.104044	Edn2(-190847),Hivep3(+155864)	N/A
Chr4	119986706	119986859	Chr4.104053	Edn2(-174423),Hivep3(+172288)	N/A
Chr4	120001026	120001351	Chr4.104065	Edn2(-160017),Hivep3(+186694)	N/A
Chr4	120022566	120022681	Chr4.104093	Edn2(-138582),Hivep3(+208129)	N/A
Chr4	120024117	120024263	Chr4.104099	Edn2(-137016),Hivep3(+209695)	N/A
Chr4	120035983	120036105	Chr4.104116	Edn2(-125162),Hivep3(+221549)	N/A
Chr4	120045606	120045726	Chr4.104124	Edn2(-115540),Hivep3(+231171)	N/A
Chr4	120074052	120074417	Chr4.104144	Edn2(-86971),Hivep3(+259740)	N/A
Chr4	120134469	120134668	Chr4.104350	Edn2(-26687),Hivep3(+320024)	N/A
Chr4	120143061	120143186	Chr4.104365	Edn2(-18082),Hivep3(+328829)	N/A
Chr4	120145965	120146152	Chr4.104381	Edn2(-15147),Hivep3(+331564)	N/A
Chr4	120159003	120159148	Chr4.104410	Edn2(-2130)	N/A
Chr4	120162806	120162873	Chr4.104427	Edn2(+1534),Foxo6(+124609)	N/A
Chr4	120172142	120172341	Chr4.104455	Edn2(+11036),Foxo6(+115107)	N/A
Chr4	120196913	120196923	Chr4.104468	Edn2(+38152),Foxo6(+87981)	N/A
Chr4	120198620	120198747	Chr4.104472	Edn2(-38478),Foxo6(+87663)	N/A
Chr4	120204437	120204571	Chr4.104477	Edn2(+43298),Foxo6(+82845)	N/A
Chr4	120223253	120223359	Chr4.104481	Edn2(+62100),Foxo6(+64043)	N/A
Chr4	120242836	120243184	Chr4.104487	Foxo6(+44339),Edn2(+81804)	N/A
Chr4	120249038	120249258	Chr4.104492	Foxo6(+38201),Edn2(+87942)	N/A
Chr4	120252613	120252738	Chr4.104497	Foxo6(+34673),Edn2(+91470)	N/A
Chr4	120253802	120254017	Chr4.104502	Foxo6(+33439),Edn2(+92704)	N/A
Chr4	120255811	120255973	Chr4.104504	Foxo6(+31457),Edn2(+94686)	N/A
Chr4	120259776	120259952	Chr4.104507	Foxo6(+27485),Edn2(+98658)	N/A
Chr4	120262301	120262576	Chr4.104515	Foxo6(+24910),Edn2(+101233)	N/A
Chr4	120263516	120263753	Chr4.104517	Foxo6(+23714),Edn2(+103429)	N/A
Chr4	120284265	120284367	Chr4.104523	Foxo6(+23033),Edn2(+103119)	N/A
Chr4	120267060	120267265	Chr4.104526	Foxo6(+20186),Edn2(+105957)	N/A
Chr4	120272276	120272538	Chr4.104547	Foxo6(+14942),Edn2(+111201)	N/A
Chr4	120277280	120277517	Chr4.104553	Foxo6(+9950),Edn2(+116193)	N/A
Chr4	120277769	120277905	Chr4.104560	Foxo6(+9512),Edn2(+116631)	N/A
Chr4	120281042	120281321	Chr4.104562	Foxo6(+6137),Edn2(+119978)	N/A
Chr4	120289646	120289766	Chr4.104582	Foxo6(-2357)	N/A
Chr4	120290623	120290749	Chr4.104585	Foxo6(-3337)	N/A
Chr4	120304712	120304906	Chr4.104594	Scmh1(-142338),Foxo6(-17460)	N/A
Chr4	120360182	120360312	Chr4.104619	Scmh1(-86900),Foxo6(-72898)	N/A
Chr4	120364754	120364904	Chr4.104620	Scmh1(-82318),Foxo6(-77480)	N/A
Chr4	120370143	120370247	Chr4.104624	Foxo6(-62849),Scmh1(-76952)	N/A
Chr4	120373034	120373165	Chr4.104627	Foxo6(-85751),Scmh1(-74047)	N/A
Chr4	120407105	120407223	Chr4.104648	Foxo6(-119815),Scmh1(-39983)	N/A
Chr4	120516588	120516695	Chr4.104685	Slfn1(-15589),Scmh1(-69495)	N/A
Chr4	120613870	120613995	Chr4.104828	Cited4(-52630),Gm6439(+25188)	N/A
Chr4	120616770	120616898	Chr4.104830	Cited4(-49729),Gm6439(+25188)	N/A
Chr4	120706342	120706571	Chr4.104920	Cited4(-39894),Kcnq4(+40791)	N/A
Chr4	120708822	120709021	Chr4.104927	Kcnq4(+38326),Cited4(+42359)	N/A
Chr4	120713965	120714185	Chr4.104953	Kcnq4(+33173),Cited4(+47512)	N/A
Chr4	120726129	120726252	Chr4.104978	Kcnq4(+21057),Cited4(+59628)	N/A
Chr4	120740807	120740927	Chr4.104999	Kcnq4(+6381),Cited4(+74304)	N/A
Chr4	120743738	120743847	Chr4.105003	Kcnq4(+3455),Cited4(+77230)	N/A
Chr4	120749715	120749869	Chr4.105025	Kcnq4(-2544)	N/A
Chr4	120813915	120814324	Chr4.105143	Kcnq4(-66872),Nfyc(+1592)	N/A
Chr4	120814384	120814580	Chr4.105148	Kcnq4(-67234),Nfyc(+1230)	N/A
Chr4	120814702	120814845	Chr4.105154	Nfyc(+938)	N/A
Chr4	120815227	120815297	Chr4.105160	Nfyc(+112)	N/A
Chr4	120816068	120816229	Chr4.105168	Nfyc(+437)	N/A
Chr4	120817324	120817452	Chr4.105172	Nfyc(-1676)	N/A
Chr4	120822376	120822623	Chr4.105181	Rims3(-32319),Nfyc(-6788)	N/A
Chr4	120968324	120968469	Chr4.105310	Zfp69(-16698),Smap2(+48850)	N/A
Chr4	120990774	120990932	Chr4.105348	Zfp69(-47514),Smap2(+18034)	N/A
Chr4	122880897	122881031	Chr4.105702	Cap1(+5090),Ppt1(+44722)	N/A
Chr4	122885807	122885940	Chr4.105711	Cap1(+182)	N/A
Chr4	122891191	122891386	Chr4.105720	Cap1(-5233),Msd2a(+69899)	N/A
Chr4	122958514	122958621	Chr4.105803	Cap1(-72512),Msd2a(+2620)	N/A
Chr4	122960222	122960342	Chr4.105817	Msd2a(+906)	N/A
Chr4	122987835	122987935	Chr4.105837	Msd2a(-26697),Myc1(-8214)	N/A
Chr4	122997152	122997482	Chr4.105850	Trt1(-10280),Myc1(+1218)	N/A
Chr4	122998539	122998913	Chr4.105856	Trt1(-17871),Myc1(+2627)	N/A
Chr4	122999156	122999709	Chr4.105861	Trt1(-17164),Myc1(+3334)	N/A
Chr4	123000743	123001098	Chr4.105880	Trt1(-15676),Myc1(+822)	N/A
Chr4	123001212	123001313	Chr4.105884	Trt1(-15334),Myc1(+5164)	N/A
Chr4	123002002	123002241	Chr4.105888	Trt1(-14475),Myc1(+6023)	N/A
Chr4	123002572	123002712	Chr4.105895	Trt1(-13955),Myc1(+6543)	N/A
Chr4	123005280	123005410	Chr4.105899	Trt1(-11252),Myc1(+9246)	N/A
Chr4	123013645	123013779	Chr4.105905	Trt1(-2885)	N/A
Chr4	123013952	123014142	Chr4.105906	Trt1(-2550)	N/A
Chr4	123014242	123014493	Chr4.105907	Trt1(-2229)	N/A
Chr4	123025399	123025704	Chr4.105919	Bmp8b(-79613),Trt1(+6955)	N/A
Chr4	123025751	123025896	Chr4.105921	Bmp8b(-79341),Trt1(+9227)	N/A
Chr4	123038544	123038939	Chr4.105925	Bmp8b(-66423),Trt1(+22145)	N/A
Chr4	123044817	123045101	Chr4.105945	Bmp8b(-60206),Trt1(+28362)	N/A
Chr4	123046223	123046349	Chr4.105949	Bmp8b(-58879),Trt1(+29689)	N/A
Chr4	123046404	123046558	Chr4.105950	Bmp8b(-58535),Trt1(+29933)	N/A
Chr4	123050829	123051320	Chr4.105967	Bmp8b(-54090),Trt1(+34478)	N/A
Chr4	123053077	123053250	Chr4.105985	Bmp8b(-52001),Trt1(+36567)	N/A
Chr4	123080900	123081145	Chr4.105998	Bmp8b(-24142),Trt1(+64426)	N/A
Chr4	123182597	123182735	Chr4.106093	Hpcal4(-561)	N/A
Chr4	123183385	123183534	Chr4.106098	Hpcal4(-233)	N/A
Chr4	123227859	123228042	Chr4.106186	Hey1(-5605),Msc1a(+26447)	N/A
Chr4	123235849	123236003	Chr4.106193	Palpc4(-46885),Hey1(+2370)	N/A
Chr4	123237895	123238080	Chr4.106195	Palpc4(-44923),Hey1(+4432)	N/A
Chr4	123247248	123247435	Chr4.106216	Palpc4(-35569),Hey1(+13786)	N/A
Chr4	123284885	123285033	Chr4.106229	Palpc4(+2048),Oxcl2a(+38675)	N/A
Chr4	123289236	123289515	Chr4.106235	Palpc4(+6465),Oxcl2a(+34258)	N/A
Chr4	123402390	123402529	Chr4.106554	Bmp8a(-59208),Macf1(+281900)	N/A
Chr4	123409616	123410347	Chr4.106572	Bmp8a(-66730),Macf1(+274378)	N/A
Chr4	123410405	123410816	Chr4.106578	Bmp8a(-67359),Macf1(+273749)	N/A
Chr4	123411041	123411392	Chr4.106584	Bmp8a(-67965),Macf1(+273143)	N/A
Chr4	123413924	123414208	Chr4.106601	Bmp8a(-70814),Macf1(+270294)	N/A
Chr4	123423901	123424124	Chr4.106619	Bmp8a(-79811),Macf1(+261297)	N/A
Chr4	123425783	123425946	Chr4.106627	Bmp8a(-82613),Macf1(+258495)	N/A
Chr4	123427725	123427824	Chr4.106632	Bmp8a(-84523),Macf1(+256585)	N/A
Chr4	123479040	123479160	Chr4.106863	Bmp8a(-135848),Macf1(+205260)	N/A
Chr4	17854247	17854515	Chr4.10693	Mmp16(+923)	N/A
Chr4	178540656	178540872	Chr4.106930	Bmp8a(-151312),Macf1(+183596)	N/A
Chr4	17854545	17854689	Chr4.10696	Mmp16(+1149)	N/A
Chr4	17854890	17854998	Chr4.10697	Mmp16(+1486)	N/A
Chr4	178552871	178552973	Chr4.106971	Bmp8a(-179670),Macf1(+161438)	N/A
Chr4	178552914	1785527141	Chr4.106984	Bmp8a(-183776),Macf1(+157332)	N/A
Chr4	178552742	1785527464	Chr4.106989	Bmp8a(-184151),Macf1(+156957)	N/A
Chr4	1785527634	1785527846	Chr4.106991	Bmp8a(-184488),Macf1(+156820)	N/A
Chr4	178551777	178551310	Chr4.107021	Bmp8a(-207990),Macf1(+133116)	N/A
Chr4	1785564314	1785564419	Chr4.107027	Bmp8a(-221115),Macf1(+119993)	N/A
Chr4	178556381	1785565551	Chr4.107037	Bmp8a(-222214),Macf1(+118894)	N/A
Chr4	178556527	1785565763	Chr4.107039	Bmp8a(-222443),Macf1(+118665)	N/A
Chr4	1785571462	1785571610	Chr4.107048	Bmp8a(-228294),Macf1(+112814)	N/A
Chr4	178572812	178572733	Chr4.107051	Bmp8a(-229421),Macf1(+111687)	N/A
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Chr4	178577579	178577696	Chr4.107056	Bmp8a(-234386),Macf1(+106722)	N/A
Chr4	178589016	178589119	Chr4.107067	Bmp8a(-245816),Macf1(+95292)	N/A
Chr4	178593731	1785934043	Chr4.107075	Bmp8a(-250635),Macf1(+90473)	N/A
Chr4	178594372	178594601	Chr4.107080	Bmp8a(-251235),Macf1(+89873)	N/A
Chr4	178595577	178595771	Chr4.107086	Bmp8a(-255422),Macf1(+85696)	N/A
Chr4	178613583	178613705	Chr4.107102	Bmp8a(-270392),Macf1(+70716)	N/A
Chr4	178613755	178613891	Chr4.107104	Bmp8a(-270571),Macf1(+70537)	N/A
Chr4	178616655	178616843	Chr4.107112	Bmp8a(-273497),Macf1(+67611)	N/A
Chr4	178617092	178617227	Chr4.107114	Bmp8a(-273908),Macf1(+67200)	N/A
Chr4	178617885	178618177	Chr4.107126	Bmp8a(-274779),Macf1(+66326)	N/A
Chr4	178623688	178624046	Chr4.107125	Bmp8a(-280615),Macf1(+60493)	N/A
Chr4	178624123	178624333	Chr4.107130	Bmp8a(-280976),Macf1(+60132)	N/A
Chr4	178624480	178624669	Chr4.107132	Bmp8a(-281323),Macf1(+59785)	N/A
Chr4	178633955	178634189	Chr4.107141	Bmp8a(-290810),Macf1(+50298)	N/A
Chr4	178637124	178638188	Chr4.107175	Bmp8a(-318553),Macf1(+22636)	N/A
Chr4	178638123	178638321	Chr4.107180	Bmp8a(-319970),Macf1(+21138)	N/A

Chr4	123663432	123663651	Chr4, 107181	<i>Bmp8a(-320290),Macr1(+20818)</i>	N/A
Chr4	123664464	123664568	Chr4, 107189	<i>Bmp8a(-321264),Macr1(+19844)</i>	N/A
Chr4	123665957	123665766	Chr4, 107195	<i>Bmp8a(-323430),Macr1(+17678)</i>	N/A
Chr4	123667354	123667566	Chr4, 107198	<i>Bmp8a(-324205),Macr1(+16909)</i>	N/A
Chr4	123670679	123670876	Chr4, 107205	<i>Bmp8a(-327626),Macr1(+13582)</i>	N/A
Chr4	123677221	123677384	Chr4, 107214	<i>Bmp8a(-334051),Macr1(+7057)</i>	N/A
Chr4	123681204	123681363	Chr4, 107218	<i>Bmp8a(-338032),Macr1(+3076)</i>	N/A
Chr4	123690345	123690537	Chr4, 107232	<i>Macr1(-6081),Ndufs5(+25885)</i>	N/A
Chr4	123746802	123746705	Chr4, 107280	<i>Ndufs5(-30238),Aknin1(+3691)</i>	N/A
Chr4	123787835	123789056	Chr4, 107290	<i>493342704(nk(-61733),Rnbzd2(+10071))</i>	N/A
Chr4	123904915	123905138	Chr4, 107337	<i>Myebp1(+195)</i>	N/A
Chr4	123951755	123952087	Chr4, 107416	<i>Rragc(+34475),3100002h09(nk(+658882))</i>	N/A
Chr4	123958741	123958849	Chr4, 107433	<i>Rragc(+41349),3100002h09(nk(+652008))</i>	N/A
Chr4	123961633	123961751	Chr4, 107440	<i>Rragc(+44248),3100002h09(nk(+649111))</i>	N/A
Chr4	123991111	123992620	Chr4, 107475	<i>Rragc(+61740),3100002h09(nk(+611617))</i>	N/A
Chr4	124048354	124048605	Chr4, 107551	<i>Rragc(+131034),3100002h09(nk(+562323))</i>	N/A
Chr4	124098064	124098200	Chr4, 107580	<i>Rragc(+180686),3100002h09(nk(+512671))</i>	N/A
Chr4	124143412	124143518	Chr4, 107615	<i>Rragc(+226019),3100002h09(nk(+467338))</i>	N/A
Chr4	124146205	124146367	Chr4, 107624	<i>Rragc(+228840),3100002h09(nk(+464517))</i>	N/A
Chr4	124150373	124150738	Chr4, 107629	<i>Rragc(+233110),3100002h09(nk(+460247))</i>	N/A
Chr4	124172222	124172290	Chr4, 107641	<i>Rragc(+254960),3100002h09(nk(+436397))</i>	N/A
Chr4	124178715	124178881	Chr4, 107645	<i>Rragc(+261352),3100002h09(nk(+432005))</i>	N/A
Chr4	124189534	124189718	Chr4, 107667	<i>Rragc(+272180),3100002h09(nk(+421177))</i>	N/A
Chr4	124196819	124196999	Chr4, 107677	<i>Rragc(+279463),3100002h09(nk(+413894))</i>	N/A
Chr4	124199975	124200216	Chr4, 107680	<i>Rragc(+282650),3100002h09(nk(+410707))</i>	N/A
Chr4	124233663	124233772	Chr4, 107738	<i>Rragc(+316272),3100002h09(nk(+377085))</i>	N/A
Chr4	124236623	124236772	Chr4, 107742	<i>Rragc(+319252),3100002h09(nk(+374105))</i>	N/A
Chr4	124241686	124242003	Chr4, 107753	<i>Rragc(+324399),3100002h09(nk(+368958))</i>	N/A
Chr4	124254657	124254919	Chr4, 107772	<i>Rragc(+337342),3100002h09(nk(+356015))</i>	N/A
Chr4	124255372	124255487	Chr4, 107779	<i>Rragc(+337984),3100002h09(nk(+355373))</i>	N/A
Chr4	124277334	124277598	Chr4, 107808	<i>3100002h09(nk(+333337),Rragc(+360020))</i>	N/A
Chr4	124277762	124277909	Chr4, 107810	<i>3100002h09(nk(+332967),Rragc(+360390))</i>	N/A
Chr4	124278742	124278972	Chr4, 107814	<i>3100002h09(nk(+331946),Rragc(+361411))</i>	N/A
Chr4	124292153	124292272	Chr4, 107820	<i>3100002h09(nk(+318590),Rragc(+374767))</i>	N/A
Chr4	124310539	124310887	Chr4, 107843	<i>3100002h09(nk(+300190),Rragc(+393167))</i>	N/A
Chr4	124340260	124340418	Chr4, 107856	<i>3100002h09(nk(+270463),Rragc(+422894))</i>	N/A
Chr4	124402171	124402264	Chr4, 107900	<i>3100002h09(nk(+208435),Rragc(+484922))</i>	N/A
Chr4	124434517	124434764	Chr4, 107914	<i>3100002h09(nk(+176162),Rragc(+517195))</i>	N/A
Chr4	124441834	124442148	Chr4, 107921	<i>3100002h09(nk(+168812),Rragc(+524545))</i>	N/A
Chr4	124443715	124443844	Chr4, 107928	<i>3100002h09(nk(+167023),Rragc(+526334))</i>	N/A
Chr4	124451205	124451370	Chr4, 107931	<i>3100002h09(nk(+159515),Rragc(+533842))</i>	N/A
Chr4	124455599	124456073	Chr4, 107934	<i>3100002h09(nk(+154967),Rragc(+536390))</i>	N/A
Chr4	124485991	124486121	Chr4, 107961	<i>3100002h09(nk(+124747),Rragc(+568618))</i>	N/A
Chr4	124486232	124486359	Chr4, 107973	<i>3100002h09(nk(+124507),Rragc(+568850))</i>	N/A
Chr4	124511868	124512167	Chr4, 107993	<i>3100002h09(nk(+98785),Rragc(+594572))</i>	N/A
Chr4	124520332	124520459	Chr4, 107997	<i>3100002h09(nk(+90407),Rragc(+602950))</i>	N/A
Chr4	124575266	124575636	Chr4, 108041	<i>3100002h09(nk(+35352),Rragc(+658005))</i>	N/A
Chr4	124575850	124576078	Chr4, 108042	<i>3100002h09(nk(+34839),Rragc(+651950))</i>	N/A
Chr4	124592408	124592538	Chr4, 108055	<i>3100002h09(nk(+18330),Rragc(+675027))</i>	N/A
Chr4	124607254	124607412	Chr4, 108083	<i>3100002h09(nk(+3470),Rragc(+689887))</i>	N/A
Chr4	124613346	124613578	Chr4, 108085	<i>3100002h09(nk(-2659))</i>	N/A
Chr4	124618606	124618747	Chr4, 108096	<i>Pou3f1(-38969),3100002h09(nk(-7874))</i>	N/A
Chr4	124624314	124624566	Chr4, 108102	<i>Pou3f1(-33206),3100002h09(nk(-13637))</i>	N/A
Chr4	124659657	124659812	Chr4, 108143	<i>Pou3f1(-2089),Ubp1(1)-33865</i>	N/A
Chr4	124663828	124663946	Chr4, 108154	<i>Pou3f1(+6241),Ubp1(1)-29713</i>	N/A
Chr4	124664618	124664855	Chr4, 108157	<i>Pou3f1(+7091),Ubp1(1)-28863</i>	N/A
Chr4	124667692	124668017	Chr4, 108165	<i>Pou3f1(+10209),Ubp1(1)-25745</i>	N/A
Chr4	124681191	124681405	Chr4, 108171	<i>Pou3f1(+10652),Ubp1(1)-25302</i>	N/A
Chr4	124671747	124671656	Chr4, 108187	<i>Pou3f1(+14156),Ubp1(1)-21798</i>	N/A
Chr4	124672354	124672740	Chr4, 108188	<i>Pou3f1(+14601),Ubp1(1)-21053</i>	N/A
Chr4	124674743	124674889	Chr4, 108202	<i>Pou3f1(+17170),Ubp1(1)-18784</i>	N/A
Chr4	124695873	124695990	Chr4, 108246	<i>Fh3(-4788),Ubp1(1)-2332</i>	N/A
Chr4	124701704	124701812	Chr4, 108256	<i>Sf3a3(-13018),Fh3(+1038)</i>	N/A
Chr4	124701868	124701982	Chr4, 108258	<i>Sf3a3(-12851),Fh3(+1020)</i>	N/A
Chr4	124703428	124703541	Chr4, 108260	<i>Sf3a3(-11291),Fh3(+2765)</i>	N/A
Chr4	124703587	124703748	Chr4, 108262	<i>Sf3a3(-11108),Fh3(+2948)</i>	N/A
Chr4	124704358	124704483	Chr4, 108269	<i>Sf3a3(-10355),Fh3(+3701)</i>	N/A
Chr4	124704730	124704926	Chr4, 108270	<i>Sf3a3(-9948),Fh3(+4108)</i>	N/A
Chr4	124708958	124709177	Chr4, 108300	<i>Sf3a3(-5708),Fh3(+8348)</i>	N/A
Chr4	124802533	124802666	Chr4, 108470	<i>Mfr1(+51)</i>	N/A
Chr4	124802710	124802857	Chr4, 108472	<i>Mfr1(+255)</i>	N/A
Chr4	124802971	124803137	Chr4, 108476	<i>Mfr1(+505)</i>	N/A
Chr4	124844403	124844571	Chr4, 108522	<i>Yrdc(-6192),Mfr1(+41938)</i>	N/A
Chr4	124847750	124847853	Chr4, 108545	<i>Yrdc(-2877)</i>	N/A
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Chr4	124849465	124849911	Chr4, 108557	<i>Yrdc(-991)</i>	N/A
Chr4	124881603	124881806	Chr4, 108619	<i>Epha10(-806)</i>	N/A
Chr4	124894700	124895061	Chr4, 108666	<i>Epha10(+13982),Cdc48(+42036)</i>	N/A
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Chr4	124951283	124951387	Chr4, 108798	<i>Rspo1(-35095),Cdc48(-14418)</i>	N/A
Chr4	124958913	124959355	Chr4, 108804	<i>Rspo1(-27296),Cdc48(-22217)</i>	N/A
Chr4	124962620	124962755	Chr4, 108816	<i>Cdc48(-25771),Rspo1(-23742)</i>	N/A
Chr4	124965275	124965717	Chr4, 108818	<i>Cdc48(-28579),Rspo1(-20934)</i>	N/A
Chr4	124972443	124972564	Chr4, 108830	<i>Cdc48(-35587),Rspo1(-13926)</i>	N/A
Chr4	124984955	124985078	Chr4, 108831	<i>Rspo1(-1413)</i>	N/A
Chr4	124985201	124985375	Chr4, 108833	<i>Rspo1(-1142)</i>	N/A
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Chr4	125017754	125017866	Chr4, 108901	<i>Gn2(-12182),Rspo1(+31380)</i>	N/A
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Chr4	125034652	125034843	Chr4, 108927	<i>Gn2(+4759),Dnail1(+30955)</i>	N/A
Chr4	125038582	125038912	Chr4, 108942	<i>Gn2(+6755),Dnail1(+29956)</i>	N/A
Chr4	125056487	125056651	Chr4, 109005	<i>Dnail1(-9134),Gn2(+26577)</i>	N/A
Chr4	125056735	125057054	Chr4, 109009	<i>Dnail1(+8808),Gn2(+26903)</i>	N/A
Chr4	125057152	125057295	Chr4, 109015	<i>Dnail1(+8479),Gn2(+2732)</i>	N/A
Chr4	125073097	125073282	Chr4, 109069	<i>Meaf6(-11961),Snip1(+6518)</i>	N/A
Chr4	125114938	125115054	Chr4, 109112	<i>Zc3h12a(+12844),Meaf6(+29845)</i>	N/A
Chr4	125185929	125186275	Chr4, 109217	<i>Grik3(-304598),Zc3h12a(-68262)</i>	N/A
Chr4	125194999	125195125	Chr4, 109232	<i>Grik3(-295638),Zc3h12a(-67222)</i>	N/A
Chr4	125195182	125195299	Chr4, 109235	<i>Grik3(-295459),Zc3h12a(-67401)</i>	N/A
Chr4	125275393	125275677	Chr4, 109324	<i>Grik3(-215165),Zc3h12a(-147695)</i>	N/A
Chr4	125282988	125283147	Chr4, 109338	<i>Grik3(-207632),Zc3h12a(-155228)</i>	N/A
Chr4	125308077	125308178	Chr4, 109365	<i>Grik3(-162573),Zc3h12a(-180287)</i>	N/A
Chr4	125318042	125318194	Chr4, 109383	<i>Zc3h12a(-188278),Grik3(-174582)</i>	N/A
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Chr4	125406769	125407153	Chr4, 109459	<i>Zc3h12a(-279121),Grik3(-83739)</i>	N/A
Chr4	125411186	125411294	Chr4, 109465	<i>Zc3h12a(-283400),Grik3(-79460)</i>	N/A
Chr4	125457318	125457428	Chr4, 109520	<i>Zc3h12a(-329533),Grik3(-33327)</i>	N/A
Chr4	125486812	125486929	Chr4, 109573	<i>Grik3(-3829)</i>	N/A
Chr4	125534586	125534708	Chr4, 109657	<i>Csf3(-489903),Grik3(+43947)</i>	N/A
Chr4	125545466	125545625	Chr4, 109671	<i>Csf3(-479004),Grik3(+54846)</i>	N/A
Chr4	125559686	125559793	Chr4, 109699	<i>Csf3(-464810),Grik3(+69040)</i>	N/A
Chr4	125593713	125593955	Chr4, 109774	<i>Csf3(-430716),Grik3(+103134)</i>	N/A
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Chr4	125651706	125651859	Chr4, 109854	<i>Csf3(-372767),Grik3(+161083)</i>	N/A
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Chr4	125692505	125692833	Chr4, 109907	<i>Csf3(-331881),Grik3(+207969)</i>	N/A
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Chr4	125729594	125729724	Chr4, 109994	<i>Csf3(-294891),Grik3(+238959)</i>	N/A
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Chr4	125880129	125880259	Chr4, 110096	<i>Csf3(-144350),Grik3(+389494)</i>	N/A
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Chr4	126064904	126065019	Chr4.110311	Lsm10(-31661),Oscp1(+6397)	N/A
Chr4	126102180	126102289	Chr4.110381	Stk40(-1722)	N/A
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Chr4	126103165	126103369	Chr4.110387	Stk40(-690)	N/A
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Chr4	126110451	126110564	Chr4.110404	Eva1b(-37236),Stk40(+6551)	N/A
Chr4	126118683	126118847	Chr4.110412	Eva1b(-28979),Stk40(+14808)	N/A
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Chr4	126202563	126202666	Chr4.110587	Thrap3(+145)	N/A
Chr4	126234048	126232522	Chr4.110594	Thrap3(-29705),Map7d1(+23818)	N/A
Chr4	126237833	126237982	Chr4.110636	Thrap3(-35148),Map7d1(+18375)	N/A
Chr4	126238802	126238924	Chr4.110645	Thrap3(-36103),Map7d1(+17420)	N/A
Chr4	126250726	126250848	Chr4.110679	Thrap3(-48027),Map7d1(+5496)	N/A
Chr4	126251784	126251897	Chr4.110682	Thrap3(-49081),Map7d1(+4442)	N/A
Chr4	126252489	126252644	Chr4.110684	Thrap3(-49807),Map7d1(+3716)	N/A
Chr4	126254745	126254890	Chr4.110690	Thrap3(-52058),Map7d1(+1465)	N/A
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Chr4	126257137	126257341	Chr4.110709	Map7d1(-956)	N/A
Chr4	126260931	126261074	Chr4.110717	Map7d1(-4720),Trappc3(-1322)	N/A
Chr4	126260669	126267130	Chr4.110726	Col8a2(-19793),Trappc3(+4675)	N/A
Chr4	126278739	126278905	Chr4.110747	Col8a2(-7971),Trappc3(+16497)	N/A
Chr4	126281671	126281812	Chr4.110750	Col8a2(-5051),Trappc3(+19417)	N/A
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Chr4	126288272	126288385	Chr4.110755	Col8a2(+1538),Adprh2(+33374)	N/A
Chr4	126291366	126291487	Chr4.110756	Col8a2(+4634),Adprh2(+30276)	N/A
Chr4	126295333	126295460	Chr4.110757	Col8a2(-8604),Adprh2(+26306)	N/A
Chr4	126301358	126301467	Chr4.110766	Col8a2(-14620),Adprh2(-20290)	N/A
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Chr4	126314011	126314327	Chr4.110873	Adprh2(+7534),Col8a2(+27376)	N/A
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Chr4	126435485	126435745	Chr4.111076	Ago3(-6058),Ago1(+32968)	N/A
Chr4	126437877	126437986	Chr4.111093	Ago3(-8376),Ago1(+30651)	N/A
Chr4	126438909	126439302	Chr4.111099	Ago3(-9550),Ago1(+29477)	N/A
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Chr4	126468118	126468118	Chr4.111159	Ago1(+515)	N/A
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Chr4	126468592	126468788	Chr4.111165	Ago1(-107)	N/A
Chr4	126468980	126469096	Chr4.111168	Ago1(-455)	N/A
Chr4	126491293	126491597	Chr4.111189	Ago1(-22862),Ago4(+42027)	N/A
Chr4	126492352	126492460	Chr4.111199	Ago1(-23823),Ago4(+11066)	N/A
Chr4	126492496	126492610	Chr4.111200	Ago1(-23970),Ago4(+60919)	N/A
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Chr4	126598045	126598153	Chr4.111366	5730409e04nik(-17179),Clapn(+1164)	N/A
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Chr4	126648380	126648588	Chr4.111401	Pam2(-29146),5730409e04nik(+38666)	N/A
Chr4	126693365	126693375	Chr4.111452	Pam2(-15600),Tlap2e(+43010)	N/A
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Chr4	126744292	126744511	Chr4.111536	Tlap2e(-8162),Ncdn(+9007)	N/A
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Chr4	126754640	126754768	Chr4.111606	Ncdn(-1294),Au040320(+533)	N/A
Chr4	126754810	126755243	Chr4.111607	Ncdn(-1618),Au040320(+5257)	N/A
Chr4	126774522	126774757	Chr4.111627	Au040320(+20870),Zmyr4(+193495)	N/A
Chr4	126779395	126779663	Chr4.111646	Au040320(+25759),Zmyr4(+188606)	N/A
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Chr4	126834061	126834859	Chr4.111719	Au040320(-80960),Zmyr4(+133405)	N/A
Chr4	126841361	126841559	Chr4.111758	Au040320(+87690),Zmyr4(+126675)	N/A
Chr4	126967042	126967167	Chr4.111885	Zmyr4(+1030),Au040320(+213335)	N/A
Chr4	126968091	126968466	Chr4.111891	Zmyr4(-144)	N/A
Chr4	127021191	127021437	Chr4.111907	Sfpd(-10)	N/A
Chr4	127178098	127179749	Chr4.112153	Smm12(-64115),Dlgap3(+6789)	N/A
Chr4	127223895	127224114	Chr4.112226	Smm12(-19779),Dlgap3(+51125)	N/A
Chr4	127232122	127232322	Chr4.112233	Smm12(-11562),Dlgap3(+59342)	N/A
Chr4	19212522	19212718	Chr4.11225	Cnbd1(-90094),Cngb3(-68230)	N/A
Chr4	127236860	127237018	Chr4.112261	Smm12(-6845),Dlgap3(+64059)	N/A
Chr4	127252151	127252280	Chr4.112275	Smm12(-8424),Gja4(+61831)	N/A
Chr4	127263885	127264251	Chr4.112291	Smm12(+20284),Gja4(+49971)	N/A
Chr4	127277874	127278908	Chr4.112299	Smm12(+35057),Gja4(+35198)	N/A
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Chr4	127419296	127419396	Chr4.112487	Gjb5(-61165),Ck137956(+551605)	N/A
Chr4	127502739	127502977	Chr4.112547	Gjb5(-144677),Ck137956(+468039)	N/A
Chr4	127549579	127549697	Chr4.112571	Gjb5(-191457),Ck137956(+42131)	N/A
Chr4	127675874	127675975	Chr4.112668	Gjb5(-317744),Ck137956(+295026)	N/A
Chr4	127676085	127676238	Chr4.112671	Gjb5(-317981),Ck137956(+294789)	N/A
Chr4	127896799	127896921	Chr4.112960	Ck137956(-15909),Hmgb4(+274035)	N/A
Chr4	128110045	128110068	Chr4.112999	Ck137956(-129550),Hmgb4(+160388)	N/A
Chr4	128229416	128228528	Chr4.113091	Ck137956(-257521),Hmgb4(+32423)	N/A
Chr4	128241105	128241244	Chr4.113099	Ck137956(-270224),Hmgb4(+19720)	N/A
Chr4	128609923	128610130	Chr4.113624	Zscan20(+71)	N/A
Chr4	128642023	128642180	Chr4.113659	Tlr12(-23483),Phc2(-12600)	N/A
Chr4	128648674	128648830	Chr4.113663	Tlr12(-30133),Phc2(-5950)	N/A
Chr4	128652709	128653081	Chr4.113667	Phc2(-1807)	N/A
Chr4	128655567	128655658	Chr4.113681	Phc2(+906)	N/A
Chr4	128655844	128655953	Chr4.113684	A3gal2(-103589),Phc2(+1197)	N/A
Chr4	128678524	128678672	Chr4.113691	A3gal2(-80660),Phc2(+23896)	N/A
Chr4	128678761	128678954	Chr4.113693	A3gal2(-80400),Phc2(+24156)	N/A
Chr4	128688493	128688890	Chr4.113703	A3gal2(-70566),Phc2(+33990)	N/A
Chr4	128689561	128689788	Chr4.113709	A3gal2(-69583),Phc2(+34973)	N/A
Chr4	128698040	128698198	Chr4.113716	A3gal2(-61139),Phc2(+43471)	N/A
Chr4	128698376	128698484	Chr4.113720	A3gal2(-60828),Phc2(+43728)	N/A
Chr4	128728654	128728812	Chr4.113785	A3gal2(-30525),Phc2(+74031)	N/A
Chr4	128729170	128729306	Chr4.113786	A3gal2(-30020),Phc2(+74536)	N/A
Chr4	128729864	128729988	Chr4.113788	A3gal2(-29332),Phc2(+75224)	N/A
Chr4	128734342	128734495	Chr4.113796	A3gal2(-24639),Phc2(+78717)	N/A
Chr4	128737317	128737526	Chr4.113800	A3gal2(-21836),Phc2(+82720)	N/A
Chr4	128751728	128752278	Chr4.113827	A3gal2(-7255),Phc2(+97301)	N/A
Chr4	128772894	128773012	Chr4.113875	A3gal2(+13695),Zfp362(+33092)	N/A
Chr4	128773960	128773848	Chr4.113881	A3gal2(+14461),Zfp362(+32326)	N/A
Chr4	128784696	128784908	Chr4.113910	Zfp362(+1400),A3gal2(+35387)	N/A
Chr4	128805445	128805752	Chr4.113921	Zfp362(+446)	N/A
Chr4	128806861	128807112	Chr4.113922	Zfp362(-942)	N/A
Chr4	128839951	128840100	Chr4.113929	Trim62(-43562),Zfp362(-33981)	N/A
Chr4	128887849	128888056	Chr4.113948	Trim62(+4365),Azin2(+74486)	N/A
Chr4	128896259	128896545	Chr4.113959	Trim62(+14814),Azm2(+64037)	N/A
Chr4	128899495	128899717	Chr4.113965	Trim62(-16019),Azm2(+62833)	N/A
Chr4	128904267	128904372	Chr4.113982	Trim62(-20732),Azin2(+58119)	N/A
Chr4	128962077	128962219	Chr4.114060	Azin2(+291)	N/A
Chr4	128962293	128962492	Chr4.114061	Azin2(+46)	N/A
Chr4	129009826	129009995	Chr4.114096	Rnf19b(-48375),Ak2(+16672)	N/A
Chr4	129010554	129010735	Chr4.114101	Rnf19b(-47626),Ak2(+17421)	N/A
Chr4	129020573	129020685	Chr4.114109	Rnf19b(-37642),Ak2(+27405)	N/A
Chr4	129048940	129049055	Chr4.114123	Rnf19b(-9273),Ak2(+55774)	N/A
Chr4	129068175	129068311	Chr4.114142	Tmem54(-37305),Rnf19b(+9972)	N/A
Chr4	129081666	129081941	Chr4.114182	Tmem54(-23744),Rnf19b(+23533)	N/A
Chr4	129085481	129085624	Chr4.114204	Tmem54(-19959),Rnf19b(+27282)	N/A
Chr4	129124711	129124860	Chr4.114270	Hpa2(-750)	N/A
Chr4	129142274	129142387	Chr4.114295	Fndc5(-5332),S100pbp(+47211)	N/A
Chr4	129144329	129144796	Chr4.114310	Fndc5(+7564),S100pbp(+44979)	N/A
Chr4	129146058	129146195	Chr4.114322	Fndc5(+9128),S100pbp(+43415)	N/A
Chr4	129147733	129148167	Chr4.114328	Fndc5(+10951),S100pbp(+41592)	N/A
Chr4	129218823	129218963	Chr4.114418	Yars(-29098),C77080(+29559)	N/A
Chr4	129220749	129220854	Chr4.114426	C77080(+21841),Yars(+31007)	N/A
Chr4	129232219	129232356	Chr4.114527	C77080(+16155),Yars(+42493)	N/A
Chr4	129238203	129238315	Chr4.114540	C77080(+10184),Yars(+48464)	N/A
Chr4	129238363	129238481	Chr4.114541	C77080(+10021),Yars(+48627)	N/A
Chr4	129256526	129256676	Chr4.114565	Sync(-31016),C77080(-8158)	N/A
Chr4	129263534	129263681	Chr4.114574	Sync(-24009),C77080(-5165)	N/A
Chr4	129266313	129266469	Chr4.114579	Sync(-21226),C77080(-17948)	N/A

Chr4	129272469	129272627	Chr4.114583	C77080(-24105), Sync(-15069)	N/A
Chr4	129335287	129335447	Chr4.114643	Zbtb8os(-328), Rbtp4(+3)	N/A
Chr4	129377834	129378259	Chr4.114707	Zbtb8a(+69)	N/A
Chr4	129461600	129461710	Chr4.114775	Sdc1(-174)	N/A
Chr4	129467712	129487931	Chr4.114822	Fam229a(-3368), Tssk3(+3200)	N/A
Chr4	129491845	129491967	Chr4.114868	Tssk3(-884), Fam229a(+716)	N/A
Chr4	129496198	129496459	Chr4.114870	Marcks1(-17252), Fam229a(+5139)	N/A
Chr4	129515379	129515480	Chr4.114899	Marcks1(+1849), Hdac1(+27283)	N/A
Chr4	129515509	129515620	Chr4.114901	Marcks1(+1984), Hdac1(+27148)	N/A
Chr4	129515940	129516004	Chr4.114905	Marcks1(+2344), Hdac1(+26788)	N/A
Chr4	129516483	129516652	Chr4.114908	Marcks1(+2987), Hdac1(+26145)	N/A
Chr4	129542724	129542924	Chr4.114946	Hdac1(-111)	N/A
Chr4	129575401	129575571	Chr4.115009	Lck(-17114), Fam167b(+3063)	N/A
Chr4	129589245	129589479	Chr4.115033	Fam167b(-10813), Eif3i(+11286)	N/A
Chr4	129646782	129647111	Chr4.115217	Tlna(-6142), Kpnab(-25820)	N/A
Chr4	129647679	129647892	Chr4.115225	Tlna(-6081), Kpnab(-24981)	N/A
Chr4	129696173	129696275	Chr4.115300	Tmem39b(+614)	N/A
Chr4	129696708	129696934	Chr4.115302	Tmem39b(+17)	N/A
Chr4	129702604	129702775	Chr4.115307	Tmem39b(-5852), Khdrbs1(+39606)	N/A
Chr4	129710325	1297104036	Chr4.115309	Tmem39b(-7143), Khdrbs1(+38315)	N/A
Chr4	129749349	129749448	Chr4.115354	Ptp4a2(-70822), Khdrbs1(-7103)	N/A
Chr4	129794121	129794244	Chr4.115369	Khdrbs1(-51887), Ptp4a2(-26038)	N/A
Chr4	129795454	129795569	Chr4.115376	Khdrbs1(-53216), Ptp4a2(-24709)	N/A
Chr4	129798273	129798374	Chr4.115382	Khdrbs1(-56028), Ptp4a2(-21897)	N/A
Chr4	129798430	129798564	Chr4.115384	Khdrbs1(-56201), Ptp4a2(-21724)	N/A
Chr4	129798615	129798791	Chr4.115386	Khdrbs1(-56407), Ptp4a2(-21518)	N/A
Chr4	129817716	129817873	Chr4.115393	Ptp4a2(-2426)	N/A
Chr4	129818714	129818826	Chr4.115398	Ptp4a2(-1451)	N/A
Chr4	129822878	129823045	Chr4.115407	Spood1(-124759), Ptp4a2(+2741)	N/A
Chr4	129828093	129828379	Chr4.115418	Spood1(-119485), Ptp4a2(+8015)	N/A
Chr4	129824752	129834954	Chr4.115437	Spood1(-112858), Ptp4a2(+14632)	N/A
Chr4	129903310	129903578	Chr4.115487	Spood1(-41277), Ptp4a2(-86229)	N/A
Chr4	129906013	129906742	Chr4.115556	Adgrb2(-24486), Spood1(+12957)	N/A
Chr4	129966406	129966574	Chr4.115568	Adgrb2(-18674), Spood1(+18769)	N/A
Chr4	129981761	129981893	Chr4.115589	Adgrb2(-3337)	N/A
Chr4	129982445	129982557	Chr4.115592	Adgrb2(-2663)	N/A
Chr4	129982832	129983060	Chr4.115596	Adgrb2(-2168)	N/A
Chr4	129984008	129984248	Chr4.115604	Adgrb2(-1036)	N/A
Chr4	129984387	129984502	Chr4.115607	Adgrb2(-719)	N/A
Chr4	129985823	129985948	Chr4.115615	Adgrb2(+722)	N/A
Chr4	129987832	129987974	Chr4.115624	Col16a1(-59937), Adgrb2(+2739)	N/A
Chr4	129989990	129990126	Chr4.115629	Col16a1(-57782), Adgrb2(+4894)	N/A
Chr4	129993344	129993449	Chr4.115649	Col16a1(-54442), Adgrb2(+8233)	N/A
Chr4	129994130	129994347	Chr4.115654	Col16a1(-53601), Adgrb2(+9075)	N/A
Chr4	129994403	129994572	Chr4.115660	Col16a1(-53352), Adgrb2(+9324)	N/A
Chr4	130013223	130013370	Chr4.115743	Col16a1(-34543), Adgrb2(+28133)	N/A
Chr4	130044357	130044475	Chr4.115819	Col16a1(-3424)	N/A
Chr4	130045784	130045978	Chr4.115820	Col16a1(-1959)	N/A
Chr4	130048923	130049051	Chr4.115827	Pef1(-53571), Col16a1(+1147)	N/A
Chr4	130050223	130050323	Chr4.115834	Pef1(-52285), Col16a1(+2433)	N/A
Chr4	130050570	130050688	Chr4.115836	Pef1(-51929), Col16a1(+2789)	N/A
Chr4	130078833	130078967	Chr4.115966	Pef1(-23658), Col16a1(+31060)	N/A
Chr4	130081401	130081534	Chr4.115981	Pef1(-21090), Col16a1(+33628)	N/A
Chr4	130081859	130082000	Chr4.115983	Pef1(-20628), Col16a1(+34099)	N/A
Chr4	130082135	130082247	Chr4.115985	Pef1(-20367), Col16a1(+34351)	N/A
Chr4	130082288	130082515	Chr4.115989	Pef1(-20156), Col16a1(+34562)	N/A
Chr4	130100164	130100359	Chr4.116074	Pef1(-2296)	N/A
Chr4	130100543	130100681	Chr4.116077	Pef1(-1946)	N/A
Chr4	130100845	130101078	Chr4.116084	Pef1(-1546)	N/A
Chr4	130102270	130102481	Chr4.116089	Pef1(-192)	N/A
Chr4	130129811	130129931	Chr4.116125	Hcrt1(+9488), Pef1(+27313)	N/A
Chr4	130130177	130130313	Chr4.116128	Hcrt1(+9114), Pef1(+27687)	N/A
Chr4	130142009	130142161	Chr4.116169	Hcrt1(-2726)	N/A
Chr4	130171610	130171738	Chr4.116216	Hcrt1(-32315), Tinag1(+3448)	N/A
Chr4	130175498	130175608	Chr4.116236	Tinag1(-430)	N/A
Chr4	130274482	130274615	Chr4.116341	Ldc1(-52148), Serinc2(+1037)	N/A
Chr4	130316341	130316478	Chr4.116403	Gm10570(-7736), Zcchc17(+43533)	N/A
Chr4	130392678	130392926	Chr4.116484	Srmp40(+32670), Nkain1(+181371)	N/A
Chr4	130549923	130550007	Chr4.116520	Nkain1(+24178), Srmp40(+18986)	N/A
Chr4	130552474	130552577	Chr4.116522	Nkain1(+21647), Srmp40(+192394)	N/A
Chr4	130556511	130556627	Chr4.116524	Nkain1(-17604), Srmp40(-196437)	N/A
Chr4	130561129	130561295	Chr4.116529	Nkain1(+12961), Srmp40(+201080)	N/A
Chr4	130663299	130663707	Chr4.116545	Pum1(-182)	N/A
Chr4	130664715	130664957	Chr4.116555	Sdc3(-127701), Pum1(+1515)	N/A
Chr4	130780969	130781070	Chr4.116664	Atpb002(+41585), Slc7a13(+62295)	N/A
Chr4	130787658	130797971	Chr4.116693	Laptm5(-115210), Sdc3(+5378)	N/A
Chr4	130836425	130836635	Chr4.116756	Laptm5(-76595), Sdc3(+43993)	N/A
Chr4	130878999	130879104	Chr4.116775	Laptm5(-34073), Sdc3(+86515)	N/A
Chr4	130887419	130887527	Chr4.116781	Laptm5(-25652), Sdc3(+94936)	N/A
Chr4	130915802	130915960	Chr4.116799	Matn1(-28504), Laptm5(+2756)	N/A
Chr4	130941192	130941296	Chr4.116842	Matn1(-139)	N/A
Chr4	130972411	130972531	Chr4.116905	Matn1(-28086), Ptpnu(-865760)	N/A
Chr4	130984711	130984820	Chr4.116913	Matn1(+40381), Ptpnu(-853465)	N/A
Chr4	131243947	131244116	Chr4.116961	Matn1(+299647), Ptpnu(+594199)	N/A
Chr4	131341174	131341425	Chr4.116974	Matn1(+396915), Ptpnu(+496931)	N/A
Chr4	131405587	131405745	Chr4.116983	Ptpnu(+432565), Matn1(+461281)	N/A
Chr4	131457741	131457854	Chr4.117009	Ptpnu(-38043), Matn1(+51341)	N/A
Chr4	131497125	131497235	Chr4.117026	Ptpnu(-341051), Matn1(+552795)	N/A
Chr4	131744215	131744350	Chr4.117087	Ptpnu(+93948), Matn1(+799898)	N/A
Chr4	131764007	131764175	Chr4.117091	Ptpnu(+74140), Matn1(+819706)	N/A
Chr4	131811337	131811454	Chr4.117214	Ptpnu(+26835), Matn1(+867011)	N/A
Chr4	131827019	131827155	Chr4.117264	Ptpnu(+11145), Matn1(+882701)	N/A
Chr4	131828185	131828302	Chr4.117265	Ptpnu(+9987), Matn1(+883859)	N/A
Chr4	131831491	131831688	Chr4.117267	Ptpnu(+6641), Matn1(+887205)	N/A
Chr4	131835584	131835684	Chr4.117273	Ptpnu(+2597), Matn1(+891249)	N/A
Chr4	131846563	131846691	Chr4.117275	Srsf4(-26990), Mecr(+3157)	N/A
Chr4	131847797	131847932	Chr4.117280	Srsf4(-25752), Mecr(+4395)	N/A
Chr4	131848151	131848316	Chr4.117283	Srsf4(-25383), Mecr(+4764)	N/A
Chr4	131884164	131884434	Chr4.117361	Tmem200b(-37472), Srsf4(+10682)	N/A
Chr4	131885271	131885605	Chr4.117362	Tmem200b(-36333), Srsf4(+11821)	N/A
Chr4	131885937	131886444	Chr4.117366	Tmem200b(-35580), Srsf4(+12574)	N/A
Chr4	131923420	131923711	Chr4.117432	Tmem200b(+1795), Epb41(+148531)	N/A
Chr4	131925154	131925410	Chr4.117444	Tmem200b(+3511), Epb41(+146815)	N/A
Chr4	131936975	131937207	Chr4.117481	Tmem200b(+15320), Epb41(+135006)	N/A
Chr4	131937265	131937499	Chr4.117488	Tmem200b(+15611), Epb41(+134715)	N/A
Chr4	131982900	131983210	Chr4.117630	Tmem200b(+61284), Epb41(+89042)	N/A
Chr4	131997289	131997447	Chr4.117647	Epb41(+74729), Tmem200b(+75597)	N/A
Chr4	132025686	132026071	Chr4.117678	Epb41(+46218), Tmem200b(+104108)	N/A
Chr4	132038962	132039184	Chr4.117690	Epb41(+33009), Tmem200b(+117371)	N/A
Chr4	132043796	132044162	Chr4.117697	Epb41(+28118), Tmem200b(+122208)	N/A
Chr4	132048181	132048287	Chr4.117708	Epb41(+23863), Tmem200b(+126463)	N/A
Chr4	132049146	132049253	Chr4.117713	Epb41(+22897), Tmem200b(+127429)	N/A
Chr4	132052033	132052163	Chr4.117725	Epb41(+19999), Tmem200b(+130327)	N/A
Chr4	132062277	132062443	Chr4.117730	Epb41(+9737), Tmem200b(+140589)	N/A
Chr4	132066225	132066342	Chr4.117735	Epb41(+15813), Tmem200b(+145153)	N/A
Chr4	132075252	132075384	Chr4.117742	Epb41(-3221), Gm10300(+621)	N/A
Chr4	132119725	132119853	Chr4.117781	Opd1(+24697), Gm10300(+45092)	N/A
Chr4	132137394	132137551	Chr4.117789	Opd1(+7013), Gm10300(+62776)	N/A
Chr4	132209445	132209637	Chr4.117818	Opd1(-65055), Ythdf2(+2762)	N/A
Chr4	132211037	132211179	Chr4.117821	Opd1(-66622), Ythdf2(+1195)	N/A
Chr4	132212215	132212338	Chr4.117832	Ythdf2(-26)	N/A
Chr4	132270081	132270213	Chr4.117880	Taf12(-4228)	N/A
Chr4	132274288	132274756	Chr4.117885	Taf12(+147)	N/A
Chr4	132274797	132274943	Chr4.117891	Taf12(-495)	N/A
Chr4	132275246	132275364	Chr4.117894	Taf12(+930)	N/A
Chr4	132309466	132309597	Chr4.117940	Rab42(-6147), Tmau1ap(+20068)	N/A
Chr4	132309942	132310066	Chr4.117942	Rab42(-6619), Tmau1ap(+19534)	N/A
Chr4	132325458	132325570	Chr4.117965	Rab42(-22129), Tmau1ap(+4024)	N/A
Chr4	132398170	132398324	Chr4.118102	Rcc1(-52542), Phactr4(+24242)	N/A
Chr4	132409351	132409491	Chr4.118104	Rcc1(-63716), Phactr4(+13068)	N/A
Chr4	132469841	132470175	Chr4.118137	Mecr18(-6087), Ssn2(+40493)	N/A
Chr4	132505172	132505276	Chr4.118204	Mecr18(-41303), Ssn2(+5277)	N/A
Chr4	132510377	132510577	Chr4.118212	Ssn2(+24)	N/A
Chr4	132510608	132510869	Chr4.118217	Ssn2(-238)	N/A
Chr4	132564095	132564201	Chr4.118284	Plaf(+81)	N/A
Chr4	132640339	132640444	Chr4.118344	Eya3(+1346), Xrb(-92154)	N/A
Chr4	132724033	132724152	Chr4.118427	Xrb(-8453), Eya3(-85047)	N/A
Chr4	132905586	132905971	Chr4.118756	Stx12(-25170), Fam76a(+12879)	N/A

Chr4	132983100	132983214	Chr4.118794	Ahdcl(-28349), Fgr(+9055)	N/A
Chr4	132984008	132984375	Chr4.118797	Ahdcl(-27314), Fgr(+10090)	N/A
Chr4	133003619	133003942	Chr4.118880	Ahdcl(-17725), Fgr(+29679)	N/A
Chr4	133010750	133010874	Chr4.118892	Ahdcl(-694)	N/A
Chr4	133012870	133013108	Chr4.118895	Waf2(-117516), Ahdcl(+1483)	N/A
Chr4	133013138	133013240	Chr4.118898	Waf2(-117316), Ahdcl(+1683)	N/A
Chr4	133013527	133013803	Chr4.118901	Waf2(-116840), Ahdcl(+2159)	N/A
Chr4	133014034	133014286	Chr4.118903	Waf2(-116345), Ahdcl(+2654)	N/A
Chr4	133014395	133014718	Chr4.118907	Waf2(-115949), Ahdcl(+3051)	N/A
Chr4	133015333	133015600	Chr4.118913	Waf2(-115038), Ahdcl(+3961)	N/A
Chr4	133016402	133016562	Chr4.118919	Waf2(-114023), Ahdcl(+4976)	N/A
Chr4	133017716	133017829	Chr4.118924	Waf2(-112732), Ahdcl(+6267)	N/A
Chr4	133021110	133021230	Chr4.118926	Waf2(-109335), Ahdcl(+9664)	N/A
Chr4	133021854	133021994	Chr4.118929	Waf2(-108591), Ahdcl(+10408)	N/A
Chr4	133022300	133022448	Chr4.118931	Waf2(-108131), Ahdcl(+10868)	N/A
Chr4	133023450	133023619	Chr4.118944	Waf2(-106970), Ahdcl(+12029)	N/A
Chr4	133024554	133024778	Chr4.118950	Waf2(-105839), Ahdcl(+13160)	N/A
Chr4	133025326	133025553	Chr4.118954	Waf2(-105065), Ahdcl(+13934)	N/A
Chr4	133025762	133025925	Chr4.118957	Waf2(-104661), Ahdcl(+14338)	N/A
Chr4	133026234	133026425	Chr4.118959	Waf2(-104175), Ahdcl(+14924)	N/A
Chr4	133034721	133034838	Chr4.118966	Waf2(-95729), Ahdcl(+12574)	N/A
Chr4	133037507	133037694	Chr4.118974	Waf2(-92904), Ahdcl(+26095)	N/A
Chr4	133042685	133042802	Chr4.118987	Waf2(-87761), Ahdcl(+31238)	N/A
Chr4	133042934	133043231	Chr4.118989	Waf2(-87422), Ahdcl(+31577)	N/A
Chr4	133043287	133043627	Chr4.118991	Waf2(-87098), Ahdcl(+31901)	N/A
Chr4	133043561	133043962	Chr4.118993	Waf2(-86893), Ahdcl(+32108)	N/A
Chr4	133043875	133044060	Chr4.118996	Waf2(-86537), Ahdcl(+32462)	N/A
Chr4	133044253	133044485	Chr4.118998	Waf2(-86136), Ahdcl(+32863)	N/A
Chr4	133044602	133044823	Chr4.119001	Waf2(-85792), Ahdcl(+33207)	N/A
Chr4	133044858	133045075	Chr4.119003	Waf2(-85538), Ahdcl(+33461)	N/A
Chr4	133045834	133046115	Chr4.119007	Waf2(-84481), Ahdcl(+34518)	N/A
Chr4	133047086	133047631	Chr4.119012	Waf2(-83146), Ahdcl(+35853)	N/A
Chr4	133049123	133049628	Chr4.119026	Waf2(-81129), Ahdcl(+37870)	N/A
Chr4	133050590	133050848	Chr4.119032	Waf2(-79786), Ahdcl(+39213)	N/A
Chr4	133051561	133051766	Chr4.119037	Waf2(-78841), Ahdcl(+40158)	N/A
Chr4	133052137	133052249	Chr4.119039	Waf2(-78312), Ahdcl(+40687)	N/A
Chr4	133054992	133055207	Chr4.119043	Waf2(-75405), Ahdcl(+43594)	N/A
Chr4	133055339	133055506	Chr4.119054	Waf2(-75082), Ahdcl(+43917)	N/A
Chr4	133055588	133055789	Chr4.119057	Waf2(-74816), Ahdcl(+44183)	N/A
Chr4	133068270	133068625	Chr4.119176	Waf2(-62057), Ahdcl(+56942)	N/A
Chr4	133070413	133070619	Chr4.119179	Waf2(-59989), Ahdcl(+59010)	N/A
Chr4	133074279	133074510	Chr4.119186	Waf2(-56110), Ahdcl(+62889)	N/A
Chr4	133074966	133075128	Chr4.119191	Waf2(-55458), Ahdcl(+63541)	N/A
Chr4	133076958	133077063	Chr4.119194	Waf2(-53494), Ahdcl(+65505)	N/A
Chr4	133084438	133084722	Chr4.119198	Waf2(-45925), Ahdcl(+73074)	N/A
Chr4	133086065	133086341	Chr4.119200	Waf2(-44302), Ahdcl(+74697)	N/A
Chr4	133087940	133088112	Chr4.119206	Waf2(-43249), Ahdcl(+76520)	N/A
Chr4	133090863	133091312	Chr4.119208	Waf2(-39447), Ahdcl(+79552)	N/A
Chr4	133092631	133092730	Chr4.119212	Waf2(-37824), Ahdcl(+81178)	N/A
Chr4	133093540	133093691	Chr4.119213	Waf2(-36889), Ahdcl(+82110)	N/A
Chr4	133095050	133095231	Chr4.119216	Waf2(-35364), Ahdcl(+83635)	N/A
Chr4	133095264	133095395	Chr4.119218	Waf2(-35175), Ahdcl(+83824)	N/A
Chr4	133095503	133095681	Chr4.119219	Waf2(-34913), Ahdcl(+84086)	N/A
Chr4	133108669	133108850	Chr4.119222	Waf2(-31745), Ahdcl(+97254)	N/A
Chr4	133113450	133113556	Chr4.119225	Waf2(-17002), Ahdcl(+101997)	N/A
Chr4	133117445	133117693	Chr4.119228	Waf2(-12936), Ahdcl(+106063)	N/A
Chr4	133117769	133117873	Chr4.119229	Waf2(-12684), Ahdcl(+106315)	N/A
Chr4	133121080	133121326	Chr4.119236	Waf2(-9302), Ahdcl(+109697)	N/A
Chr4	133130352	133130600	Chr4.119244	Waf2(-29)	N/A
Chr4	133132105	133132307	Chr4.119255	Waf2(-1701), Gpr(+79651)	N/A
Chr4	133159731	133159988	Chr4.119273	Waf2(+29355), Gpr(+51997)	N/A
Chr4	133162222	133162338	Chr4.119287	Waf2(+31775), Gpr(+49577)	N/A
Chr4	133166095	133166427	Chr4.119291	Waf2(+35756), Gpr(+45596)	N/A
Chr4	133169576	133169775	Chr4.119300	Waf2(+39171), Gpr(+42181)	N/A
Chr4	133170238	133170476	Chr4.119303	Waf2(-39852), Gpr(+41500)	N/A
Chr4	133174309	133174608	Chr4.119306	Gpr(+37398), Waf2(+43564)	N/A
Chr4	133175386	133175535	Chr4.119309	Gpr(+36396), Waf2(+44956)	N/A
Chr4	133176166	133176267	Chr4.119315	Gpr(+35640), Waf2(+45712)	N/A
Chr4	133176380	133177006	Chr4.119318	Gpr(+35163), Waf2(+46189)	N/A
Chr4	133177530	133177975	Chr4.119323	Gpr(+34104), Waf2(+47249)	N/A
Chr4	133184195	133184434	Chr4.119328	Gpr(+32754), Waf2(+53810)	N/A
Chr4	133185923	133186272	Chr4.119345	Gpr(+25759), Waf2(+55593)	N/A
Chr4	133189605	133189707	Chr4.119359	Gpr(+22201), Waf2(+59151)	N/A
Chr4	133197045	133197194	Chr4.119396	Gpr(+14737), Waf2(+66615)	N/A
Chr4	133197291	133197545	Chr4.119399	Gpr(+14439), Waf2(+66913)	N/A
Chr4	133197832	133198328	Chr4.119403	Gpr(+13777), Waf2(+67375)	N/A
Chr4	133198370	133198815	Chr4.119407	Gpr(+13264), Waf2(+68088)	N/A
Chr4	133199174	133199340	Chr4.119416	Gpr(+12600), Waf2(+68752)	N/A
Chr4	133199988	133200190	Chr4.119419	Gpr(+11768), Waf2(+69584)	N/A
Chr4	133200351	133200642	Chr4.119422	Gpr(+11360), Waf2(+69992)	N/A
Chr4	133203708	133203830	Chr4.119426	Gpr(+8086), Waf2(+73264)	N/A
Chr4	133209336	133209632	Chr4.119427	Gpr(+8423), Waf2(+78929)	N/A
Chr4	133212411	133212754	Chr4.119473	Gpr(+726)	N/A
Chr4	133212919	133213036	Chr4.119479	Gpr(+1122)	N/A
Chr4	133226227	133227227	Chr4.119499	Map3k6(-18141), Cdf1642(+1867)	N/A
Chr4	133226284	133226326	Chr4.119743	Tmem222(+4413)	N/A
Chr4	133229444	133229260	Chr4.119746	Tmem222(-14730), Wdcl(+46802)	N/A
Chr4	133229536	133293015	Chr4.119747	Tmem222(-15034), Wdcl(+46498)	N/A
Chr4	133293236	133293500	Chr4.119753	Tmem222(-15576), Wdcl(+45956)	N/A
Chr4	133293937	133294083	Chr4.119757	Tmem222(-16218), Wdcl(+45314)	N/A
Chr4	133297879	133298282	Chr4.119774	Tmem222(-20289), Wdcl(+41243)	N/A
Chr4	133298731	133298847	Chr4.119780	Tmem222(-20987), Wdcl(+40535)	N/A
Chr4	133299629	133300068	Chr4.119783	Tmem222(-22157), Wdcl(+39159)	N/A
Chr4	133333431	133333564	Chr4.119809	Tmem222(-25706), Wdcl(+5826)	N/A
Chr4	133338242	133338384	Chr4.119813	Tmem222(-60521), Wdcl(+1011)	N/A
Chr4	133338611	133338719	Chr4.119815	Wdcl(+659)	N/A
Chr4	133339265	133339412	Chr4.119820	Wdcl(+15)	N/A
Chr4	133339450	133339620	Chr4.119821	Wdcl(+211)	N/A
Chr4	133369672	133369790	Chr4.119826	Slc9a1(+25)	N/A
Chr4	133371909	133372008	Chr4.119848	Tent5b(-108173), Slc9a1(+2253)	N/A
Chr4	133374343	133374465	Chr4.119858	Tent5b(-105728), Slc9a1(+4698)	N/A
Chr4	133378362	133378696	Chr4.119864	Tent5b(-101603), Slc9a1(+8823)	N/A
Chr4	133380093	133380331	Chr4.119870	Tent5b(-99928), Slc9a1(+10498)	N/A
Chr4	133391303	133391428	Chr4.119881	Tent5b(-88766), Slc9a1(+11660)	N/A
Chr4	133406373	133406486	Chr4.119888	Tent5b(-73702), Slc9a1(+36724)	N/A
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Chr4	133479851	133479981	Chr4.119981	Tent5b(-216)	N/A
Chr4	133484384	133484631	Chr4.119998	Tent5b(+4376), Trmp1(+14042)	N/A
Chr4	133489684	133489865	Chr4.120051	Trmp1(+8925), Tent5b(+9493)	N/A
Chr4	133491972	133492128	Chr4.120060	Trmp1(+6500), Tent5b(+11918)	N/A
Chr4	133593290	133593514	Chr4.120239	Sfn(+8766), Gpn2(+9040)	N/A
Chr4	133602511	133602688	Chr4.120275	Sfn(-432)	N/A
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Chr4	133608386	133608614	Chr4.120294	Sfn(-4332)	N/A
Chr4	133607812	133607931	Chr4.120303	Sfn(-5704), Zdhc18(+25597)	N/A
Chr4	133659838	133660157	Chr4.120347	Zdhc18(-26529), Pigu(+12649)	N/A
Chr4	133660397	133660806	Chr4.120350	Zdhc18(-27133), Pigu(+12045)	N/A
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Chr4	133672604	133672737	Chr4.120407	Pigu(-24)	N/A
Chr4	133673289	133673666	Chr4.120413	Pigu(-781)	N/A
Chr4	133674085	133674288	Chr4.120419	Pigu(-1540)	N/A
Chr4	133675673	133676095	Chr4.120424	Pigu(-3237)	N/A
Chr4	133679285	133679795	Chr4.120430	Pigu(-6893), Arid1a(+74071)	N/A
Chr4	133688375	133688859	Chr4.120481	Pigu(-15969), Arid1a(+64998)	N/A
Chr4	133690410	133690518	Chr4.120490	Pigu(-17817), Arid1a(+63147)	N/A
Chr4	133700936	133701369	Chr4.120511	Pigu(-28506), Arid1a(+52458)	N/A
Chr4	133703316	133703514	Chr4.120519	Pigu(-30768), Arid1a(+50196)	N/A
Chr4	133706983	133707195	Chr4.120527	Pigu(-34442), Arid1a(+46522)	N/A
Chr4	133728333	133728653	Chr4.120555	Pigu(-58846), Arid1a(+25118)	N/A
Chr4	133729331	133729665	Chr4.120559	Pigu(-56851), Arid1a(+24113)	N/A
Chr4	133729710	133730162	Chr4.120561	Pigu(-57289), Arid1a(+23675)	N/A
Chr4	133741769	133742090	Chr4.120579	Pigu(-69283), Arid1a(+11681)	N/A
Chr4	133742980	133743083	Chr4.120583	Pigu(-70385), Arid1a(+10579)	N/A
Chr4	133746104	133746269	Chr4.120589	Pigu(-73540), Arid1a(+7424)	N/A
Chr4	133746778	133746902	Chr4.120591	Pigu(-74193), Arid1a(+6771)	N/A
Chr4	133748464	133748675	Chr4.120596	Pigu(-75938), Arid1a(+5026)	N/A
Chr4	133751254	133752008	Chr4.120605	Pigu(-78084), Arid1a(+1980)	N/A

Chr4	133752282	133752383	Chr4.120610	Pigv(-79686),Arid1a(+1278)	N/A
Chr4	133754271	133754394	Chr4.120617	Arid1a(-722)	N/A
Chr4	133755983	133756335	Chr4.120628	Arid1a(-2558)	N/A
Chr4	133756516	133756894	Chr4.120632	Arid1a(-3094)	N/A
Chr4	133756964	133757135	Chr4.120642	Arid1a(-3439)	N/A
Chr4	133757381	133757741	Chr4.120646	Arid1a(-3950)	N/A
Chr4	133759168	133759324	Chr4.120651	Arid1a(-5635),Rps6ka1(+128551)	N/A
Chr4	133774726	133774844	Chr4.120658	Arid1a(-21174),Rps6ka1(+113012)	N/A
Chr4	133813786	133813904	Chr4.120670	Arid1a(-60234),Rps6ka1(+73952)	N/A
Chr4	133814856	133815135	Chr4.120677	Arid1a(-61365),Rps6ka1(+72801)	N/A
Chr4	133815257	133815492	Chr4.120678	Arid1a(-61764),Rps6ka1(+72422)	N/A
Chr4	133815837	133815945	Chr4.120680	Arid1a(-62280),Rps6ka1(+71906)	N/A
Chr4	133816373	133816482	Chr4.120682	Arid1a(-62817),Rps6ka1(+71369)	N/A
Chr4	133820376	133820538	Chr4.120688	Arid1a(-66848),Rps6ka1(+67340)	N/A
Chr4	133825770	133825898	Chr4.120694	Arid1a(-72223),Rps6ka1(+61963)	N/A
Chr4	133827903	133828088	Chr4.120695	Arid1a(-74365),Rps6ka1(+59801)	N/A
Chr4	133828454	133829451	Chr4.120698	Arid1a(-75342),Rps6ka1(+58844)	N/A
Chr4	133841168	133841308	Chr4.120711	Arid1a(-87627),Rps6ka1(+46559)	N/A
Chr4	133864767	133864926	Chr4.120778	Arid1a(-111236),Rps6ka1(+22950)	N/A
Chr4	133874596	133874850	Chr4.120818	Arid1a(-121112),Rps6ka1(+13074)	N/A
Chr4	133876796	133876931	Chr4.120827	Arid1a(-123263),Rps6ka1(+10933)	N/A
Chr4	133881994	133882140	Chr4.120835	Arid1a(-128456),Rps6ka1(+5730)	N/A
Chr4	133884981	133885210	Chr4.120838	Arid1a(-131485),Rps6ka1(+2701)	N/A
Chr4	133885612	133885755	Chr4.120846	Arid1a(-132073),Rps6ka1(+2113)	N/A
Chr4	133886285	133886488	Chr4.120852	Arid1a(-132778),Rps6ka1(+1410)	N/A
Chr4	133867793	133967994	Chr4.120872	Hmgn2(-107)	N/A
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Chr4	134002973	134003269	Chr4.120918	Dhdds(-2231)	N/A
Chr4	134003404	134003509	Chr4.120920	Dhdds(-2567)	N/A
Chr4	134011703	134011862	Chr4.120952	Dhdds(-10893),Lin28a(+7058)	N/A
Chr4	134011951	134012058	Chr4.120955	Dhdds(-11115),Lin28a(+6836)	N/A
Chr4	134016351	134016563	Chr4.120957	Dhdds(-15567),Lin28a(+2384)	N/A
Chr4	134016824	134016976	Chr4.120959	Dhdds(-16010),Lin28a(+1941)	N/A
Chr4	134017153	134017341	Chr4.120963	Dhdds(-16357),Lin28a(+1594)	N/A
Chr4	134017693	134017843	Chr4.120965	Dhdds(-16878),Lin28a(+1073)	N/A
Chr4	134019269	134019393	Chr4.120981	Lin28a(-490)	N/A
Chr4	134019431	134019533	Chr4.120982	Lin28a(-641)	N/A
Chr4	134020047	134020245	Chr4.120983	Lin28a(-1305)	N/A
Chr4	134065985	134065846	Chr4.121039	Crybg2(-2686)	N/A
Chr4	134066423	134066632	Chr4.121045	Crybg2(-1924)	N/A
Chr4	134067890	134067997	Chr4.121051	Crybg2(-508)	N/A
Chr4	134068953	134069053	Chr4.121055	Crybg2(+551)	N/A
Chr4	20567047	20567160	Chr4.121117	Nkain3(+211762),Ggh(+525052)	N/A
Chr4	134127396	134127592	Chr4.121205	Sh3bgr3(+1295),Ubunt1(+24911)	N/A
Chr4	134128704	134128803	Chr4.121216	Sh3bgr3(-35)	N/A
Chr4	134129658	134130153	Chr4.121217	Sh3bgr3(-127)	N/A
Chr4	134156905	134157035	Chr4.121274	Sh3bgr3(-28181),Cap85(+30142)	N/A
Chr4	134252502	134252765	Chr4.121456	Zfp593(-7042),Grp1(+1472)	N/A
Chr4	134254068	134254222	Chr4.121468	Grp1(-39)	N/A
Chr4	134255957	134256072	Chr4.121472	Grp1(-1909)	N/A
Chr4	134273435	134273677	Chr4.121481	Grp1(-19454),Pdk1(+14339)	N/A
Chr4	134287173	134287331	Chr4.121522	Pdk1(+643)	N/A
Chr4	134300406	134300536	Chr4.121531	Trim63(-14648),Pdk1(-12577)	N/A
Chr4	134315657	134315758	Chr4.121549	Trim63(+588)	N/A
Chr4	134328959	134329088	Chr4.121585	Slc30a2(-14192),Trim63(+13894)	N/A
Chr4	134345655	134345556	Chr4.121689	Extr1(+7077),Slc30a2(+22275)	N/A
Chr4	134430579	134430701	Chr4.121783	Stmn1(-37880),Pafah2(+34320)	N/A
Chr4	134450162	134450320	Chr4.121798	Stmn1(-18079),Pafah2(+53921)	N/A
Chr4	134450609	134450791	Chr4.121801	Stmn1(-17620),Pafah2(+54380)	N/A
Chr4	134465824	134466154	Chr4.121817	Stmn1(-2331)	N/A
Chr4	134470757	134467171	Chr4.121831	Stmn1(-1206)	N/A
Chr4	134469837	134469744	Chr4.121854	Pagr7(-27313),Stmn1(+1371)	N/A
Chr4	134470058	134470184	Chr4.121856	Pagr7(-26883),Stmn1(+1801)	N/A
Chr4	134525769	134525891	Chr4.121938	Mtfr1(+9438),Aunip(+14831)	N/A
Chr4	134532620	134532760	Chr4.121957	Mtfr1(+2578),Aunip(+21691)	N/A
Chr4	134539615	134539795	Chr4.121970	Mtfr1(-4437)	N/A
Chr4	134540828	134540746	Chr4.121976	Mtfr1(-5419),Selenon(+11479)	N/A
Chr4	134540817	134540938	Chr4.121980	Mtfr1(-5610),Selenon(+11288)	N/A
Chr4	134542331	134542448	Chr4.121983	Mtfr1(-7122),Selenon(+9776)	N/A
Chr4	134542707	134542840	Chr4.121985	Mtfr1(-7506),Selenon(+9392)	N/A
Chr4	134544582	134544725	Chr4.121993	Mtfr1(-9386),Selenon(+7512)	N/A
Chr4	134545499	134545694	Chr4.122005	Mtfr1(-10329),Selenon(+6569)	N/A
Chr4	134551411	134551525	Chr4.122015	Selenon(+698)	N/A
Chr4	134557926	134558082	Chr4.122026	Selenon(-5838),Man1c1(+146286)	N/A
Chr4	134579312	134579449	Chr4.122079	Selenon(-27215),Man1c1(+124909)	N/A
Chr4	134604513	134604680	Chr4.122117	Selenon(-52431),Man1c1(+99693)	N/A
Chr4	134606205	134606324	Chr4.122121	Selenon(-54099),Man1c1(+98025)	N/A
Chr4	134616135	134616337	Chr4.122131	Selenon(-64070),Man1c1(+88054)	N/A
Chr4	134621491	134621429	Chr4.122144	Selenon(-72075),Man1c1(+80048)	N/A
Chr4	134631620	134631813	Chr4.122151	Selenon(-79651),Man1c1(+72573)	N/A
Chr4	134632029	134632134	Chr4.122155	Selenon(-79916),Man1c1(+72208)	N/A
Chr4	134659978	134660096	Chr4.122168	Selenon(-107871),Man1c1(+44253)	N/A
Chr4	134680132	134680356	Chr4.122172	Selenon(-108078),Man1c1(+44046)	N/A
Chr4	134680591	134680718	Chr4.122177	Selenon(-108489),Man1c1(+43635)	N/A
Chr4	134683316	134683437	Chr4.122194	Selenon(-111211),Man1c1(+40913)	N/A
Chr4	134670018	134670175	Chr4.122202	Selenon(-117931),Man1c1(+34193)	N/A
Chr4	134677851	134678143	Chr4.122215	Selenon(-125831),Man1c1(+26293)	N/A
Chr4	134682919	134683262	Chr4.122218	Selenon(-130925),Man1c1(+21199)	N/A
Chr4	134696802	134696982	Chr4.122234	Selenon(-144726),Man1c1(+7398)	N/A
Chr4	134705311	134705487	Chr4.122252	Man1c1(-1109)	N/A
Chr4	134737815	134737926	Chr4.122265	Man1c1(-33581),Ldlrap1(+30153)	N/A
Chr4	134744035	134744221	Chr4.122266	Man1c1(-39838),Ldlrap1(+23896)	N/A
Chr4	134745976	134746093	Chr4.122272	Man1c1(-41745),Ldlrap1(+21989)	N/A
Chr4	134749038	134749168	Chr4.122283	Man1c1(-44813),Ldlrap1(+18921)	N/A
Chr4	134751405	134751700	Chr4.122293	Man1c1(-47263),Ldlrap1(+19471)	N/A
Chr4	134753313	134753412	Chr4.122301	Man1c1(-49073),Ldlrap1(+14661)	N/A
Chr4	134762732	134762873	Chr4.122324	Man1c1(-58513),Ldlrap1(+5221)	N/A
Chr4	134802168	134802287	Chr4.122349	Ldlrap1(-34204),Maco1(+51117)	N/A
Chr4	134802931	134803246	Chr4.122352	Ldlrap1(-35065),Maco1(+50256)	N/A
Chr4	134847763	134847909	Chr4.122428	Ldlrap1(-79812),Maco1(+5509)	N/A
Chr4	134853288	134853396	Chr4.122446	Maco1(+3)	N/A
Chr4	134853437	134853603	Chr4.122449	Maco1(-175)	N/A
Chr4	134925695	134925869	Chr4.122525	Syf2(-5116),Rarp1(+2190)	N/A
Chr4	134925971	134926096	Chr4.122527	Syf2(-4864)	N/A
Chr4	134943951	134944052	Chr4.122558	Runx3(-178650),Syf2(+13104)	N/A
Chr4	134944246	134944457	Chr4.122559	Runx3(-178300),Syf2(+13454)	N/A
Chr4	134945797	134945940	Chr4.122565	Runx3(-174783),Syf2(+14971)	N/A
Chr4	134954693	134954798	Chr4.122574	Runx3(-165906),Syf2(+23848)	N/A
Chr4	134968767	134968976	Chr4.122583	Runx3(-151780),Syf2(+37974)	N/A
Chr4	134989892	134990066	Chr4.122603	Runx3(-130673),Syf2(+59081)	N/A
Chr4	134995011	134995199	Chr4.122608	Runx3(-125547),Syf2(+64207)	N/A
Chr4	135002398	135002630	Chr4.122617	Runx3(-118138),Syf2(+71616)	N/A
Chr4	135002693	135002935	Chr4.122621	Runx3(-117853),Syf2(+71601)	N/A
Chr4	135009552	135009717	Chr4.122628	Runx3(-111017),Syf2(+78737)	N/A
Chr4	135013022	135013134	Chr4.122632	Runx3(-107574),Syf2(+82180)	N/A
Chr4	135032308	135032708	Chr4.122650	Runx3(-88144),Syf2(+101610)	N/A
Chr4	135079906	135080029	Chr4.122693	Runx3(-40684),Syf2(+149070)	N/A
Chr4	135080357	135080692	Chr4.122699	Runx3(-40127),Syf2(+149627)	N/A
Chr4	135088652	135088841	Chr4.122710	Runx3(-31905),Syf2(+157849)	N/A
Chr4	135095852	135098746	Chr4.122720	Runx3(-21988),Syf2(+167766)	N/A
Chr4	135113798	135113917	Chr4.122731	Runx3(-6794),Syf2(+182960)	N/A
Chr4	135120371	135120574	Chr4.122741	Runx3(-179)	N/A
Chr4	135124769	135124890	Chr4.122752	Runx3(+4178),Clic4(+147894)	N/A
Chr4	135140691	135140882	Chr4.122765	Runx3(+20135),Clic4(+132027)	N/A
Chr4	135146854	135147208	Chr4.122769	Runx3(+26379),Clic4(+125783)	N/A
Chr4	135154108	135154230	Chr4.122788	Runx3(+33517),Clic4(+118645)	N/A
Chr4	135154266	135154643	Chr4.122789	Runx3(+33803),Clic4(+118359)	N/A
Chr4	135157419	135157571	Chr4.122811	Runx3(+36843),Clic4(+115319)	N/A
Chr4	135166563	135166683	Chr4.122823	Runx3(+45971),Clic4(+108191)	N/A
Chr4	135173094	135173235	Chr4.122836	Runx3(+52513),Clic4(+99649)	N/A
Chr4	135254912	135255103	Chr4.122913	Clic4(+17806),Runx3(+134356)	N/A
Chr4	135266891	135267001	Chr4.122920	Clic4(+5868),Runx3(+146294)	N/A
Chr4	135353082	135353186	Chr4.123009	Srrm1(+110)	N/A
Chr4	135353046	135353167	Chr4.123016	Srrm1(-9863),Ncmep(+35114)	N/A
Chr4	135380915	135380942	Chr4.123033	Srrm1(-27635),Ncmep(+17342)	N/A

Chr4	135412328	135412434	Chr4_123041	<i>Ncmap(-14160),Rcan3(+21472)</i>	N/A
Chr4	135448912	135449016	Chr4_123083	<i>Rcan3(-15111),Nipa3(+5659)</i>	N/A
Chr4	135494629	135494746	Chr4_123142	<i>Stpg1(-1299),Nipa3(-48)</i>	N/A
Chr4	135516541	135516667	Chr4_123165	<i>Stpg1(+2067),Grh3(+57026)</i>	N/A
Chr4	135518797	135518897	Chr4_123173	<i>Stpg1(+22860),Grh3(+54783)</i>	N/A
Chr4	21444221	21444323	Chr4_12318	<i>Nkan3(-665406),Prdm13(+241691)</i>	N/A
Chr4	135526304	135526406	Chr4_123195	<i>Stpg1(+30368),Grh3(+47275)</i>	N/A
Chr4	135548158	135548320	Chr4_123237	<i>Grh3(+25391),Stpg1(+52525)</i>	N/A
Chr4	135567844	135567788	Chr4_123305	<i>Grh3(+5914),Stpg1(+71729)</i>	N/A
Chr4	135570273	135570453	Chr4_123313	<i>Grh3(+3267),Stpg1(+74378)</i>	N/A
Chr4	135572590	135572692	Chr4_123317	<i>Grh3(+989)</i>	N/A
Chr4	135572968	135573092	Chr4_123319	<i>Grh3(+600)</i>	N/A
Chr4	135573200	135573346	Chr4_123323	<i>Grh3(+357)</i>	N/A
Chr4	135573475	135573669	Chr4_123327	<i>Grh3(+58)</i>	N/A
Chr4	135585735	135585859	Chr4_123349	<i>Ilmr1(-100490),Grh3(-12167)</i>	N/A
Chr4	135596171	135596411	Chr4_123368	<i>Ilmr1(-89969),Grh3(-22661)</i>	N/A
Chr4	135623392	135623573	Chr4_123386	<i>Ilmr1(-62804),Grh3(-49853)</i>	N/A
Chr4	135653398	135653525	Chr4_123396	<i>Grh3(-79832),Ilmr1(-32825)</i>	N/A
Chr4	135661116	135661253	Chr4_123401	<i>Grh3(-87555),Ilmr1(-25102)</i>	N/A
Chr4	135661669	135661776	Chr4_123404	<i>Grh3(-86933),Ilmr1(-24564)</i>	N/A
Chr4	135628547	135628724	Chr4_123685	<i>Sraf10(-2711),Myon3(+68921)</i>	N/A
Chr4	135658766	135659221	Chr4_123698	<i>Sraf10(+3247),Prrc2(+14856)</i>	N/A
Chr4	135689800	135689908	Chr4_123734	<i>Prrc2(+3996),Sraf10(+14107)</i>	N/A
Chr4	135872891	135873107	Chr4_123743	<i>Prrc2(+851)</i>	N/A
Chr4	135964467	135964670	Chr4_123910	<i>Gale(-646)</i>	N/A
Chr4	135968632	135968780	Chr4_123950	<i>Gale(+3547),Lyp1a2(+3920)</i>	N/A
Chr4	135975578	135975724	Chr4_123978	<i>Lyp1a2(-3025)</i>	N/A
Chr4	136019735	136019899	Chr4_124094	<i>Pthd1(-32553),Eloa(+1946)</i>	N/A
Chr4	136081687	136081913	Chr4_124110	<i>Id3(-61697),Rpl11(-28407)</i>	N/A
Chr4	136089025	136089254	Chr4_124115	<i>Id3(-54357),Rpl11(-35747)</i>	N/A
Chr4	136090278	136090413	Chr4_124119	<i>Id3(-53151),Rpl11(-36953)</i>	N/A
Chr4	136098536	136098642	Chr4_124123	<i>Rpl11(-45196),Id3(-44908)</i>	N/A
Chr4	136100534	136100689	Chr4_124125	<i>Rpl11(-47219),Id3(-42885)</i>	N/A
Chr4	136104930	136105191	Chr4_124129	<i>Rpl11(-51668),Id3(-38436)</i>	N/A
Chr4	136120160	136120406	Chr4_124137	<i>Rpl11(-68890),Id3(-23214)</i>	N/A
Chr4	136122973	136123081	Chr4_124144	<i>Rpl11(-69654),Id3(-20470)</i>	N/A
Chr4	136123133	136123298	Chr4_124145	<i>Rpl11(-69823),Id3(-20281)</i>	N/A
Chr4	136127864	136127963	Chr4_124150	<i>Rpl11(-74521),Id3(-15583)</i>	N/A
Chr4	136130558	136130664	Chr4_124156	<i>Rpl11(-77218),Id3(-12886)</i>	N/A
Chr4	136140353	136140816	Chr4_124165	<i>Id3(-2912)</i>	N/A
Chr4	136142424	136142591	Chr4_124169	<i>Id3(-989)</i>	N/A
Chr4	136142768	136142890	Chr4_124172	<i>Id3(-668)</i>	N/A
Chr4	136143165	136143443	Chr4_124176	<i>Id3(-193)</i>	N/A
Chr4	136143531	136143701	Chr4_124179	<i>Id3(+119)</i>	N/A
Chr4	136144678	136144902	Chr4_124189	<i>E2f2(-27604),Id3(+1293)</i>	N/A
Chr4	136145179	136145387	Chr4_124195	<i>E2f2(-27111),Id3(+1786)</i>	N/A
Chr4	136146216	136146387	Chr4_124198	<i>E2f2(-26099),Id3(+2805)</i>	N/A
Chr4	136146851	136147029	Chr4_124201	<i>E2f2(-25454),Id3(+3443)</i>	N/A
Chr4	136150772	136150899	Chr4_124206	<i>E2f2(-21558),Id3(+7339)</i>	N/A
Chr4	136159884	136160109	Chr4_124208	<i>E2f2(-12397),Id3(+16500)</i>	N/A
Chr4	136169878	136170098	Chr4_124212	<i>E2f2(-2406)</i>	N/A
Chr4	136174931	136175040	Chr4_124226	<i>Asap3(-31379),E2f2(+2592)</i>	N/A
Chr4	136177798	136177969	Chr4_124230	<i>Asap3(-28481),E2f2(+5490)</i>	N/A
Chr4	136178043	136178168	Chr4_124234	<i>Asap3(-28250),E2f2(+5711)</i>	N/A
Chr4	136179603	136179764	Chr4_124242	<i>Asap3(-26681),E2f2(-7290)</i>	N/A
Chr4	136194334	136194436	Chr4_124290	<i>Asap3(-11979),E2f2(+21992)</i>	N/A
Chr4	136207094	136207262	Chr4_124297	<i>Asap3(+813)</i>	N/A
Chr4	136218802	136218913	Chr4_124303	<i>Tcaa3(-29094),Asap3(+12493)</i>	N/A
Chr4	136224033	136224183	Chr4_124308	<i>Tcaa3(-23844),Asap3(+17743)</i>	N/A
Chr4	136249913	136250015	Chr4_124401	<i>Zfp46(-36103),Tcaa3(+2012)</i>	N/A
Chr4	136284530	136284894	Chr4_124452	<i>Zfp46(-1355)</i>	N/A
Chr4	136285867	136286061	Chr4_124460	<i>Zfp46(-103)</i>	N/A
Chr4	136286240	136286501	Chr4_124469	<i>Zfp46(+304)</i>	N/A
Chr4	136311039	136311141	Chr4_124522	<i>Hnmpr(+122)</i>	N/A
Chr4	136311664	136311772	Chr4_124527	<i>Hnmpr(+750)</i>	N/A
Chr4	136311846	136312016	Chr4_124530	<i>Hnmpr(+963)</i>	N/A
Chr4	136312313	136312537	Chr4_124536	<i>Htrfd(-111099),Hnmpr(+1457)</i>	N/A
Chr4	136312878	136313324	Chr4_124545	<i>Htrfd(-110423),Hnmpr(+2133)</i>	N/A
Chr4	136313521	136313644	Chr4_124551	<i>Htrfd(-109941),Hnmpr(+2615)</i>	N/A
Chr4	136313771	136313887	Chr4_124554	<i>Htrfd(-109695),Hnmpr(+2801)</i>	N/A
Chr4	136315177	136315353	Chr4_124559	<i>Htrfd(-108259),Hnmpr(+297)</i>	N/A
Chr4	136357123	136357283	Chr4_124648	<i>Htrfd(-66321),Hnmpr(+46235)</i>	N/A
Chr4	136373589	136373827	Chr4_124655	<i>Htrfd(-49816),Hnmpr(+62740)</i>	N/A
Chr4	136412543	136412661	Chr4_124668	<i>Htrfd(-10922),Hnmpr(+101634)</i>	N/A
Chr4	136468910	136469153	Chr4_124744	<i>Luzp1(-1729)</i>	N/A
Chr4	136471318	136471582	Chr4_124752	<i>Luzp1(+1679),Kdm1a(+131283)</i>	N/A
Chr4	136511739	136511967	Chr4_124766	<i>Luzp1(+42092),Kdm1a(+90870)</i>	N/A
Chr4	136545498	136545624	Chr4_124860	<i>Kdm1a(+57162),Luzp1(+75800)</i>	N/A
Chr4	136549091	136549314	Chr4_124887	<i>Kdm1a(+53520),Luzp1(+79442)</i>	N/A
Chr4	136563039	136563211	Chr4_124928	<i>Kdm1a(+39589),Luzp1(+93364)</i>	N/A
Chr4	136602724	136602844	Chr4_124967	<i>Kdm1a(-81)</i>	N/A
Chr4	136649420	136649545	Chr4_125045	<i>Lactb1(+26862),Ephb2(+86505)</i>	N/A
Chr4	136652146	136652279	Chr4_125048	<i>Lactb1(+29592),Ephb2(+183775)</i>	N/A
Chr4	136652643	136652995	Chr4_125056	<i>Lactb1(+30198),Ephb2(+183169)</i>	N/A
Chr4	21688354	21688494	Chr4_12510	<i>Prdm13(-2461)</i>	N/A
Chr4	21689052	21689157	Chr4_12513	<i>Prdm13(-3142)</i>	N/A
Chr4	136681560	136681672	Chr4_125137	<i>Lactb1(+58999),Ephb2(+154372)</i>	N/A
Chr4	136685489	136685830	Chr4_125146	<i>Lactb1(+63039),Ephb2(+150328)</i>	N/A
Chr4	136702616	136702791	Chr4_125185	<i>Lactb1(+80083),Ephb2(+133284)</i>	N/A
Chr4	136704552	136704694	Chr4_125188	<i>Lactb1(+82002),Ephb2(+131365)</i>	N/A
Chr4	136712170	136712312	Chr4_125205	<i>Lactb1(+89620),Ephb2(+123747)</i>	N/A
Chr4	136716599	136716699	Chr4_125207	<i>Lactb1(+94028),Ephb2(+119339)</i>	N/A
Chr4	136722577	136722681	Chr4_125215	<i>Lactb1(+100008),Ephb2(+113359)</i>	N/A
Chr4	21727664	21727771	Chr4_125222	<i>Ccncl(-8)</i>	N/A
Chr4	136734447	136734681	Chr4_125232	<i>Ephb2(+101424),Lactb1(+111943)</i>	N/A
Chr4	136738340	136738456	Chr4_125236	<i>Ephb2(+97590),Lactb1(+151777)</i>	N/A
Chr4	136742747	136742886	Chr4_125250	<i>Ephb2(+93171),Lactb1(+120196)</i>	N/A
Chr4	136748674	136749058	Chr4_125255	<i>Ephb2(+87123),Lactb1(+126244)</i>	N/A
Chr4	136749827	136750139	Chr4_125260	<i>Ephb2(-86005),Lactb1(+127362)</i>	N/A
Chr4	136761745	136761989	Chr4_125275	<i>Ephb2(+74121),Lactb1(+139246)</i>	N/A
Chr4	136773103	136773439	Chr4_125310	<i>Ephb2(+62717),Lactb1(+150650)</i>	N/A
Chr4	136776576	136776836	Chr4_125316	<i>Ephb2(+59282),Lactb1(+154085)</i>	N/A
Chr4	136780648	136780829	Chr4_125320	<i>Ephb2(+55249),Lactb1(+158118)</i>	N/A
Chr4	136783836	136784168	Chr4_125324	<i>Ephb2(+51986),Lactb1(+161381)</i>	N/A
Chr4	136786565	136786761	Chr4_125330	<i>Ephb2(+49325),Lactb1(+164042)</i>	N/A
Chr4	136793401	136793587	Chr4_125336	<i>Ephb2(+42494),Lactb1(+170873)</i>	N/A
Chr4	136808347	136808639	Chr4_125345	<i>Ephb2(+27495),Lactb1(+185872)</i>	N/A
Chr4	136811776	136811942	Chr4_125349	<i>Ephb2(+24129),Lactb1(+189238)</i>	N/A
Chr4	136815130	136815242	Chr4_125354	<i>Ephb2(+20902),Lactb1(+192565)</i>	N/A
Chr4	136817736	136817968	Chr4_125357	<i>Ephb2(+18136),Lactb1(+195231)</i>	N/A
Chr4	136825084	136825229	Chr4_125368	<i>Ephb2(+10831),Lactb1(+202536)</i>	N/A
Chr4	136833892	136834197	Chr4_125384	<i>Ephb2(+1943),Lactb1(+211424)</i>	N/A
Chr4	136861875	136862216	Chr4_125412	<i>Ephb2(-26058),C1qb(+24141)</i>	N/A
Chr4	136864888	136865082	Chr4_125419	<i>Ephb2(-28987),C1qb(+21212)</i>	N/A
Chr4	136865220	136865391	Chr4_125420	<i>Ephb2(-29318),C1qb(+20881)</i>	N/A
Chr4	136865627	136865728	Chr4_125422	<i>Ephb2(-29690),C1qb(+20509)</i>	N/A
Chr4	136905218	136905367	Chr4_125537	<i>C1qa(-6490),Epha8(+51523)</i>	N/A
Chr4	136943057	136943311	Chr4_125678	<i>C1qa(-44381),Epha8(+13632)</i>	N/A
Chr4	136949696	136949797	Chr4_125704	<i>C1qa(-50944),Epha8(+7069)</i>	N/A
Chr4	136965218	136965352	Chr4_125716	<i>Epha8(-8469),Zbtb40(+83410)</i>	N/A
Chr4	136967491	136967671	Chr4_125718	<i>Epha8(-10765),Zbtb40(+91114)</i>	N/A
Chr4	136981967	136982130	Chr4_125729	<i>Epha8(-25233),Zbtb40(+66646)</i>	N/A
Chr4	137007470	137007582	Chr4_125838	<i>Epha8(-50710),Zbtb40(+41169)</i>	N/A
Chr4	137010527	137010654	Chr4_125847	<i>Epha8(-53775),Zbtb40(+38104)</i>	N/A
Chr4	137011982	137012087	Chr4_125848	<i>Epha8(-55219),Zbtb40(+36660)</i>	N/A
Chr4	137029581	137029773	Chr4_125878	<i>Epha8(-72861),Zbtb40(+19018)</i>	N/A
Chr4	137038196	137038371	Chr4_125885	<i>Epha8(-81463),Zbtb40(+10416)</i>	N/A
Chr4	137044047	137044388	Chr4_125900	<i>Epha8(-87402),Zbtb40(+4477)</i>	N/A
Chr4	137044435	137044710	Chr4_125907	<i>Epha8(-87757),Zbtb40(+4122)</i>	N/A
Chr4	137054087	137054255	Chr4_125915	<i>Wnt4(-22318),Zbtb40(-5476)</i>	N/A
Chr4	137066725	137066834	Chr4_125937	<i>Wnt4(-180709),Zbtb40(-48068)</i>	N/A
Chr4	137104626	137104780	Chr4_125947	<i>Wnt4(-17276),Zbtb40(-56008)</i>	N/A
Chr4	137117835	137117976	Chr4_125951	<i>Wnt4(-159583),Zbtb40(-69211)</i>	N/A
Chr4	137118375	137118483	Chr4_125954	<i>Wnt4(-159060),Zbtb40(-69734)</i>	N/A
Chr4	137128252	137128484	Chr4_125959	<i>Wnt4(-149121),Zbtb40(-79673)</i>	N/A
Chr4	137137212	137137328	Chr4_125968	<i>Wnt4(-140219),Zbtb40(-88575)</i>	N/A
Chr4	137142474	137142629	Chr4_125974	<i>Wnt4(-134937),Zbtb40(-93857)</i>	N/A
Chr4	137158286	137158392	Chr4_125990	<i>Wnt4(-119150),Zbtb40(-109544)</i>	N/A

Chr4	137168778	137168904	Chr4.125995	Zbtb40(-120146),Wnt4(-108648)	N/A
Chr4	137179149	137179290	Chr4.126007	Zbtb40(-130525),Wnt4(-98269)	N/A
Chr4	137183284	137183386	Chr4.126019	Zbtb40(-134640),Wnt4(-94154)	N/A
Chr4	137186859	137186960	Chr4.126023	Zbtb40(-136230),Wnt4(-90564)	N/A
Chr4	137196587	137196711	Chr4.126034	Zbtb40(-147954),Wnt4(-80840)	N/A
Chr4	137198139	137198371	Chr4.126036	Zbtb40(-149560),Wnt4(-79234)	N/A
Chr4	137205023	137205139	Chr4.126045	Zbtb40(-156386),Wnt4(-72408)	N/A
Chr4	137209081	137209193	Chr4.126050	Zbtb40(-160442),Wnt4(-68352)	N/A
Chr4	137212072	137212347	Chr4.126053	Zbtb40(-163815),Wnt4(-65279)	N/A
Chr4	137231731	137231880	Chr4.126073	Zbtb40(-163111),Wnt4(-45663)	N/A
Chr4	137261691	137261823	Chr4.126082	Zbtb40(-213062),Wnt4(-15732)	N/A
Chr4	137265697	137265929	Chr4.126091	Zbtb40(-217118),Wnt4(-11676)	N/A
Chr4	137266027	137266127	Chr4.126094	Zbtb40(-217382),Wnt4(-11412)	N/A
Chr4	137278607	137278884	Chr4.126101	Wnt4(+1257),Cdc42(+78974)	N/A
Chr4	137279627	137279731	Chr4.126103	Wnt4(+2190),Cdc42(+78041)	N/A
Chr4	137282717	137282846	Chr4.126114	Wnt4(+5293),Cdc42(+74938)	N/A
Chr4	137286043	137286175	Chr4.126123	Wnt4(+8620),Cdc42(+71611)	N/A
Chr4	137286249	137286392	Chr4.126126	Wnt4(+8832),Cdc42(+71399)	N/A
Chr4	137290374	137290521	Chr4.126142	Wnt4(+12959),Cdc42(+67272)	N/A
Chr4	137293367	137294122	Chr4.126144	Wnt4(+16556),Cdc42(+63675)	N/A
Chr4	137294304	137294556	Chr4.126145	Wnt4(+16941),Cdc42(+63390)	N/A
Chr4	137298624	137298776	Chr4.126176	Wnt4(+21211),Cdc42(+59020)	N/A
Chr4	137299420	137299519	Chr4.126182	Wnt4(+21981),Cdc42(+58250)	N/A
Chr4	137301692	137302071	Chr4.126185	Wnt4(+24393),Cdc42(+55838)	N/A
Chr4	137303650	137306108	Chr4.126193	Wnt4(+28400),Cdc42(+51741)	N/A
Chr4	137306223	137306648	Chr4.126198	Wnt4(+28947),Cdc42(+51284)	N/A
Chr4	137323029	137323168	Chr4.126225	Cdc42(-34621),Wnt4(+45610)	N/A
Chr4	137449772	137449916	Chr4.126340	1700013g24nik(-3440)	N/A
Chr4	137460903	137461090	Chr4.126358	Hspg2(-7806),1700013g24nik(+7713)	N/A
Chr4	137465339	137465622	Chr4.126364	Hspg2(-3322)	N/A
Chr4	137467318	137467509	Chr4.126370	Hspg2(-1389)	N/A
Chr4	137469776	137469889	Chr4.126371	Hspg2(+10330),Ldlrad2(+104736)	N/A
Chr4	137474036	137474312	Chr4.126388	Hspg2(+6371),Ldlrad2(+100395)	N/A
Chr4	137476419	137476633	Chr4.126394	Hspg2(+7723),Ldlrad2(+98043)	N/A
Chr4	137481907	137482162	Chr4.126406	Hspg2(+13323),Ldlrad2(+92534)	N/A
Chr4	137484735	137484902	Chr4.126415	Hspg2(+16076),Ldlrad2(+89750)	N/A
Chr4	137486364	137486384	Chr4.126420	Hspg2(+17483),Ldlrad2(+88283)	N/A
Chr4	137488827	137488938	Chr4.126431	Hspg2(+20080),Ldlrad2(+85686)	N/A
Chr4	137494818	137495061	Chr4.126443	Hspg2(+26137),Ldlrad2(+79629)	N/A
Chr4	137503572	137503753	Chr4.126466	Hspg2(+34860),Ldlrad2(+70906)	N/A
Chr4	137524316	137524435	Chr4.126651	Ldlrad2(+50193),Hspg2(+55573)	N/A
Chr4	21847920	21848145	Chr4.126683	Pmsr(+50)	N/A
Chr4	21857497	21857810	Chr4.126697	Cox3(-22019),Pmsr(+10071)	N/A
Chr4	137578489	137578674	Chr4.127086	Ldlrad2(-4013)	N/A
Chr4	137642291	137642392	Chr4.127171	Rap1gap(-38411),Usp48(+48135)	N/A
Chr4	137647775	137648242	Chr4.127176	Rap1gap(-32744),Usp48(+53802)	N/A
Chr4	137656398	137656508	Chr4.127190	Rap1gap(-24300),Usp48(+62246)	N/A
Chr4	137661623	137661734	Chr4.127200	Rap1gap(-19074),Usp48(+61472)	N/A
Chr4	137686421	137686520	Chr4.127220	Rap1gap(+5718),Alpl(+109913)	N/A
Chr4	137705567	137706765	Chr4.127242	Rap1gap(+25913),Alpl(+89718)	N/A
Chr4	137708000	137708122	Chr4.127246	Rap1gap(+27308),Alpl(+88323)	N/A
Chr4	137709127	137709279	Chr4.127248	Rap1gap(+28450),Alpl(+87181)	N/A
Chr4	137732072	137732273	Chr4.127329	Rap1gap(+51420),Alpl(+64211)	N/A
Chr4	137732512	137732616	Chr4.127333	Rap1gap(+51811),Alpl(+63620)	N/A
Chr4	137732668	137732778	Chr4.127341	Rap1gap(+51970),Alpl(+63661)	N/A
Chr4	137735507	137735671	Chr4.127344	Rap1gap(+54836),Alpl(+60795)	N/A
Chr4	137736344	137736497	Chr4.127347	Rap1gap(+55668),Alpl(+59963)	N/A
Chr4	137748913	137749022	Chr4.127395	Alpl(+47416),Rap1gap(+68215)	N/A
Chr4	137750292	137750478	Chr4.127404	Alpl(+59959),Rap1gap(+69632)	N/A
Chr4	137752635	137759196	Chr4.127453	Alpl(+3166),Rap1gap(+112263)	N/A
Chr4	137897274	137897403	Chr4.127478	Elf4g3(-96117),Ece1(+35102)	N/A
Chr4	137917879	137917994	Chr4.127489	Elf4g3(-75519),Ece1(+55700)	N/A
Chr4	137984296	137984434	Chr4.127622	Elf4g3(-9091),Ece1(+122128)	N/A
Chr4	137993294	137993660	Chr4.127636	Elf4g3(-16)	N/A
Chr4	137994673	137994681	Chr4.127645	Hp1bp3(-222354),Elf4g3(+1321)	N/A
Chr4	137995371	137995564	Chr4.127654	Hp1bp3(-221663),Elf4g3(+2012)	N/A
Chr4	138000860	138001020	Chr4.127664	Hp1bp3(-216191),Elf4g3(+7484)	N/A
Chr4	138014599	138014793	Chr4.127668	Hp1bp3(-202435),Elf4g3(+21240)	N/A
Chr4	138084184	138084530	Chr4.127704	Hp1bp3(-132774),Elf4g3(+90901)	N/A
Chr4	138084886	138085192	Chr4.127709	Hp1bp3(-132092),Elf4g3(+91583)	N/A
Chr4	138086012	138086720	Chr4.127715	Hp1bp3(-131465),Elf4g3(+92210)	N/A
Chr4	138095834	138095969	Chr4.127731	Hp1bp3(-121229),Elf4g3(+102446)	N/A
Chr4	138119555	138119654	Chr4.127746	Hp1bp3(-97526),Elf4g3(+126149)	N/A
Chr4	138241849	138241989	Chr4.127869	Sh2d5(-8545),Hp1bp3(+24788)	N/A
Chr4	138396832	138396950	Chr4.128131	Fam34b(-438)	N/A
Chr4	138418713	138418883	Chr4.128140	Fam34b(-22340),Mull1(-15873)	N/A
Chr4	138446995	138447148	Chr4.128182	Camk2n1(-7242),Mull1(+12401)	N/A
Chr4	138463168	138463436	Chr4.128213	Camk2n1(+8988),Vwa5b1(+160710)	N/A
Chr4	138484669	138484832	Chr4.128236	Camk2n1(+34237),Vwa5b1(+135461)	N/A
Chr4	138496868	138497045	Chr4.128251	Camk2n1(+42643),Vwa5b1(+127055)	N/A
Chr4	138635838	138635965	Chr4.128433	Pla2g2c(-86880),Vwa5b1(-11690)	N/A
Chr4	138724154	138724354	Chr4.128530	Pla2g2c(-538)	N/A
Chr4	138757539	138757678	Chr4.128582	Pla2g2(+17)	N/A
Chr4	139091598	139091746	Chr4.128856	Htr6(-16102),Nbl1(+1321)	N/A
Chr4	139095376	139095478	Chr4.128860	Nbl1(-2434)	N/A
Chr4	139101648	139101785	Chr4.128869	Nbl1(-8724),Micos10(+29396)	N/A
Chr4	139101824	139101970	Chr4.128870	Nbl1(-8904),Micos10(+29216)	N/A
Chr4	139102187	139102404	Chr4.128875	Nbl1(-9303),Micos10(+28817)	N/A
Chr4	139103812	139104031	Chr4.128882	Nbl1(-10929),Micos10(+27191)	N/A
Chr4	139104457	139104587	Chr4.128884	Nbl1(-11529),Micos10(+26591)	N/A
Chr4	139110602	139110914	Chr4.128896	Nbl1(-17765),Micos10(+20355)	N/A
Chr4	139111242	139111594	Chr4.128898	Nbl1(-18425),Micos10(+19695)	N/A
Chr4	139111751	139111855	Chr4.128901	Nbl1(-18810),Micos10(+19310)	N/A
Chr4	139114794	139114988	Chr4.128909	Nbl1(-21899),Micos10(+16222)	N/A
Chr4	139115046	139115163	Chr4.128914	Nbl1(-22112),Micos10(+16008)	N/A
Chr4	139120463	139121036	Chr4.128921	Nbl1(-27757),Micos10(+10363)	N/A
Chr4	139144636	139144959	Chr4.128933	Capzb(-48126),Micos10(-13685)	N/A
Chr4	139154544	139154689	Chr4.128941	Capzb(-38307),Micos10(-23504)	N/A
Chr4	139170680	139170905	Chr4.128958	Micos10(-39680),Capzb(-22131)	N/A
Chr4	139175442	139175631	Chr4.128961	Micos10(-44424),Capzb(-17387)	N/A
Chr4	139175837	139175968	Chr4.128968	Micos10(-44790),Capzb(-17021)	N/A
Chr4	139176007	139176141	Chr4.128969	Micos10(-44961),Capzb(-16850)	N/A
Chr4	139176307	139176479	Chr4.128971	Micos10(-45280),Capzb(-16531)	N/A
Chr4	139198339	139198447	Chr4.128988	Capzb(+5469),Pqlc2(+112315)	N/A
Chr4	139213624	139213782	Chr4.128992	Capzb(+20779),Pqlc2(+97005)	N/A
Chr4	139216807	139216933	Chr4.128997	Capzb(+23946),Pqlc2(+93838)	N/A
Chr4	139226660	139226902	Chr4.129007	Capzb(+33857),Pqlc2(+83927)	N/A
Chr4	139230497	139230641	Chr4.129017	Capzb(+37645),Pqlc2(+80139)	N/A
Chr4	139242542	139242882	Chr4.129041	Capzb(+49780),Pqlc2(+67996)	N/A
Chr4	139246578	139246737	Chr4.129052	Capzb(+53734),Pqlc2(+64020)	N/A
Chr4	139249327	139249508	Chr4.129063	Capzb(+56494),Pqlc2(+61290)	N/A
Chr4	139252420	139252644	Chr4.129070	Pqlc2(+58176),Capzb(+59608)	N/A
Chr4	139259359	139259764	Chr4.129086	Pqlc2(+51146),Capzb(+66638)	N/A
Chr4	139267497	139267696	Chr4.129090	Pqlc2(+43171),Capzb(+74673)	N/A
Chr4	139271696	139271882	Chr4.129098	Pqlc2(+38934),Capzb(+78550)	N/A
Chr4	139275996	139276249	Chr4.129106	Pqlc2(+34635),Capzb(+83149)	N/A
Chr4	139281883	139282177	Chr4.129114	Pqlc2(+28678),Capzb(+89106)	N/A
Chr4	139284969	139285170	Chr4.129129	Pqlc2(+25638),Capzb(+92146)	N/A
Chr4	139288842	139289046	Chr4.129135	Pqlc2(+21764),Capzb(+96020)	N/A
Chr4	139343168	139343326	Chr4.129217	Mtln2(+9051),Akt7a5(+32503)	N/A
Chr4	139389578	139389677	Chr4.129340	Ubr4(-31)	N/A
Chr4	22090413	22090740	Chr4.12949	Fbx4(-266966),Faux(+159246)	N/A
Chr4	139432203	139432337	Chr4.129519	Ifo2(-142450),Ubr4(+51611)	N/A
Chr4	139433238	139433694	Chr4.129529	Ifo2(-141254),Ubr4(+52807)	N/A
Chr4	22101740	22101987	Chr4.12975	Fbx4(-255689),Faux(+170523)	N/A
Chr4	139521957	139522169	Chr4.129757	Ifo2(-52667),Ubr4(+141394)	N/A
Chr4	139577091	139577265	Chr4.129795	Gm21969(-26008),Ifo2(+2458)	N/A
Chr4	139579162	139579302	Chr4.129800	Gm21969(-23954),Ifo2(+4512)	N/A
Chr4	139580180	139580330	Chr4.129803	Gm21969(-22931),Ifo2(+5535)	N/A
Chr4	139584734	139584861	Chr4.129814	Gm21969(-18388),Ifo2(+10078)	N/A
Chr4	139590529	139590704	Chr4.129822	Gm21969(-12669),Ifo2(+15897)	N/A
Chr4	139597158	139597288	Chr4.129831	Gm21969(-5963),Ifo2(+22503)	N/A
Chr4	139602118	139602287	Chr4.129843	Gm21969(-983)	N/A
Chr4	139616520	139616739	Chr4.129893	Aldr4a1(-6236),Gm21969(+13444)	N/A
Chr4	139616960	139617070	Chr4.129898	Aldr4a1(-5851),Gm21969(+13829)	N/A
Chr4	139640030	139640161	Chr4.129969	Tas1r2(-13442),Aldr4a1(+17230)	N/A
Chr4	139710787	139711202	Chr4.130140	Tas1r2(-57462),Pax7(+122530)	N/A
Chr4	139715594	139715687	Chr4.130153	Tas1r2(+62098),Pax7(+117894)	N/A

Chr4	139724942	139725041	Chr4.130157	Tas1f2(+71454), Pax7(+108538)	N/A
Chr4	139744896	139745172	Chr4.130180	Pax7(+88496), Tas1f2(+91496)	N/A
Chr4	139753855	139753981	Chr4.130197	Pax7(+9612), Tas1f2(+100380)	N/A
Chr4	139754445	139754622	Chr4.130202	Pax7(+78996), Tas1f2(+100966)	N/A
Chr4	139754890	139754993	Chr4.130205	Pax7(+78588), Tas1f2(+101404)	N/A
Chr4	139758747	139758920	Chr4.130211	Pax7(+74696), Tas1f2(+105296)	N/A
Chr4	139759144	139759255	Chr4.130213	Pax7(+74330), Tas1f2(+105662)	N/A
Chr4	139762078	139762297	Chr4.130219	Pax7(+71342), Tas1f2(+108650)	N/A
Chr4	139771283	139771400	Chr4.130236	Pax7(+62168), Tas1f2(+117864)	N/A
Chr4	139772513	139772719	Chr4.130239	Pax7(+60914), Tas1f2(+119078)	N/A
Chr4	139791478	139791833	Chr4.130278	Pax7(+41874), Tas1f2(+138118)	N/A
Chr4	22121005	22121253	Chr4.130300	Fbx4(-236414), Fxnc(+189798)	N/A
Chr4	139805722	139805899	Chr4.130309	Pax7(+27719), Tas1f2(+152273)	N/A
Chr4	139807806	139807859	Chr4.130318	Pax7(+25797), Tas1f2(+154195)	N/A
Chr4	139809446	139809612	Chr4.130324	Pax7(+24001), Tas1f2(+155991)	N/A
Chr4	139809816	139809983	Chr4.130325	Pax7(+23630), Tas1f2(+156362)	N/A
Chr4	139811173	139811322	Chr4.130330	Pax7(+22282), Tas1f2(+157710)	N/A
Chr4	139813576	139813723	Chr4.130333	Pax7(+19880), Tas1f2(+160112)	N/A
Chr4	139818171	139818405	Chr4.130339	Pax7(+15242), Tas1f2(+164750)	N/A
Chr4	139821605	139821705	Chr4.130344	Pax7(+11875), Tas1f2(+168117)	N/A
Chr4	139823870	139824116	Chr4.130353	Pax7(+4637), Tas1f2(+170489)	N/A
Chr4	139824714	139824908	Chr4.130358	Pax7(+8719), Tas1f2(+171273)	N/A
Chr4	139825744	139826158	Chr4.130361	Pax7(+7579), Tas1f2(+172413)	N/A
Chr4	139828050	139828170	Chr4.130364	Pax7(+5420), Tas1f2(+174572)	N/A
Chr4	139835822	139835931	Chr4.130392	Pax7(+2347)	N/A
Chr4	139846754	139846988	Chr4.130404	Pax7(+13341), Kihdc7a(+121155)	N/A
Chr4	139852512	139852685	Chr4.130409	Pax7(+19069), Kihdc7a(+115427)	N/A
Chr4	139853235	139853451	Chr4.130416	Pax7(+19813), Kihdc7a(+114683)	N/A
Chr4	139905251	139905373	Chr4.130430	Pax7(+71782), Kihdc7a(+62714)	N/A
Chr4	139999118	139999252	Chr4.130514	Kihdc7a(-31159), Igsf2f(+247599)	N/A
Chr4	140024035	140024174	Chr4.130540	Kihdc7a(-56079), Igsf2f(+222679)	N/A
Chr4	140052166	140052306	Chr4.130550	Kihdc7a(-64210), Igsf2f(+194540)	N/A
Chr4	140084536	140084745	Chr4.130632	Kihdc7a(-116615), Igsf2f(+162143)	N/A
Chr4	140084843	140084954	Chr4.130638	Kihdc7a(-116873), Igsf2f(+161885)	N/A
Chr4	140109357	140109547	Chr4.130658	Kihdc7a(-141426), Igsf2f(+137332)	N/A
Chr4	140154504	140154670	Chr4.130692	Kihdc7a(-186561), Igsf2f(+92197)	N/A
Chr4	140155123	140155265	Chr4.130697	Kihdc7a(-187168), Igsf2f(+191590)	N/A
Chr4	140237891	140237992	Chr4.130769	Kihdc7a(-269916), Igsf2f(+8842)	N/A
Chr4	140267770	140267926	Chr4.130796	Igsf2f(-21064), Gm9867(+55454)	N/A
Chr4	140342084	140342236	Chr4.130869	Gm9867(-18858), Arhgef10(+306590)	N/A
Chr4	140475307	140475424	Chr4.130954	Gm9867(-152064), Arhgef10(+173384)	N/A
Chr4	140493738	140497492	Chr4.130976	Gm9867(-174133), Arhgef10(+151315)	N/A
Chr4	140504359	140504464	Chr4.130983	Gm9867(-16109), Arhgef10(+144339)	N/A
Chr4	140517682	140517819	Chr4.131009	Gm9867(-194449), Arhgef10(+130999)	N/A
Chr4	22152171	22152343	Chr4.13102	Fbx4(-205286), Fxnc(+220926)	N/A
Chr4	140581686	140581803	Chr4.131123	Gm9867(-258443), Arhgef10(+67005)	N/A
Chr4	140630686	140630835	Chr4.131153	Gm9867(-307459), Arhgef10(+17989)	N/A
Chr4	140649359	140649525	Chr4.131158	Arhgef10(+4892)	N/A
Chr4	140658128	140658312	Chr4.131163	Rcc2(-42321), Arhgef10(-9470)	N/A
Chr4	140699678	140699816	Chr4.131172	Rcc2(-794)	N/A
Chr4	140722292	140722391	Chr4.131253	Padf6(+20301), Rcc2(+21801)	N/A
Chr4	22175184	22175596	Chr4.13135	Fbx4(-182153), Fxnc(+244059)	N/A
Chr4	140957819	140957952	Chr4.131709	Sohb(-337)	N/A
Chr4	140959378	140959592	Chr4.131712	Sohb(-1718)	N/A
Chr4	141113206	141113621	Chr4.132231	Spata2(+250581), Szrd1(+26352)	N/A
Chr4	141139508	141139817	Chr4.132259	Szrd1(+103)	N/A
Chr4	141152093	141152285	Chr4.132275	Cplane2(-61767), Fbxo42(+4276)	N/A
Chr4	141175866	141176046	Chr4.132287	Cplane2(-38000), Fbxo42(+28043)	N/A
Chr4	141176791	141176963	Chr4.132292	Cplane2(-37079), Fbxo42(+28964)	N/A
Chr4	141200729	141200937	Chr4.132337	Cplane2(-51213), Fbxo42(+52620)	N/A
Chr4	141203814	141204072	Chr4.132354	Cplane2(-10013), Fbxo42(+56030)	N/A
Chr4	141242694	141243019	Chr4.132385	C63000407nk(-3404), Arhgef19(-12)	N/A
Chr4	141245029	141245158	Chr4.132389	Epha2(-56146), Arhgef19(+2225)	N/A
Chr4	141278209	141278390	Chr4.132457	Epha2(-22940), Arhgef19(+35431)	N/A
Chr4	141297956	141298115	Chr4.132476	Epha2(-3204)	N/A
Chr4	141301144	141301245	Chr4.132484	Epha2(-45)	N/A
Chr4	141302074	141302235	Chr4.132487	Epha2(+915)	N/A
Chr4	141310470	141310569	Chr4.132527	Fam131c(-57700), Epha2(+9280)	N/A
Chr4	141312940	141313085	Chr4.132539	Fam131c(-55207), Epha2(+11773)	N/A
Chr4	141327169	141327381	Chr4.132604	Fam131c(-40949), Epha2(+26035)	N/A
Chr4	141334856	141334982	Chr4.132677	Fam131c(-53371), Epha2(+33669)	N/A
Chr4	141338456	141338632	Chr4.132691	Fam131c(-29676), Epha2(+37304)	N/A
Chr4	141354020	141354154	Chr4.132699	Fam131c(-14133), Epha2(+52847)	N/A
Chr4	141420045	141420162	Chr4.132889	Clnkjb(-4090), Hspb7(-675)	N/A
Chr4	141421556	141421661	Chr4.132892	Hspb7(-830)	N/A
Chr4	141468562	141468737	Chr4.132999	Zbtb17(+23996), Spen(+69947)	N/A
Chr4	141500598	141500697	Chr4.133242	Spn(+31949), Zbtb17(+61994)	N/A
Chr4	141535097	141535267	Chr4.133261	Spn(+3415), Zbtb17(+90528)	N/A
Chr4	141536349	141536462	Chr4.133265	Spn(+2191), Zbtb17(+91752)	N/A
Chr4	141536946	141537139	Chr4.133271	Spn(+1554), Zbtb17(+92389)	N/A
Chr4	141559042	141559159	Chr4.133285	Spn(-20504), Palml1(+39123)	N/A
Chr4	141600937	141600745	Chr4.133320	Palml1(-2467)	N/A
Chr4	141682650	141682848	Chr4.133511	Plekhn2(-18631), Dd2(+40670)	N/A
Chr4	141719606	141719870	Chr4.133563	Plekhn2(-55620), Dd2(+3681)	N/A
Chr4	141720861	141721132	Chr4.133568	Plekhn2(-56879), Dd2(+2422)	N/A
Chr4	141722096	141722260	Chr4.133571	Plekhn2(-58060), Dd2(+1241)	N/A
Chr4	141723024	141723204	Chr4.133574	Rac1a1(+287), Dd2(+287)	N/A
Chr4	141790565	141790671	Chr4.133725	Casp9(-2994), Dnajc16(+273)	N/A
Chr4	141790879	141791044	Chr4.133729	Casp9(-2650), Dnajc16(-71)	N/A
Chr4	141867029	141867171	Chr4.133927	Ctrc(-20741), Ethd2(+7820)	N/A
Chr4	141885559	141885672	Chr4.133954	Ethd2(-10696), Fhd1(+129451)	N/A
Chr4	141902080	141902194	Chr4.133967	Ethd2(-27217), Fhd1(+112930)	N/A
Chr4	22477884	22478012	Chr4.134002	Pou3f2(+10418), Fbx4(+120476)	N/A
Chr4	22478195	22478463	Chr4.13403	Pou3f2(+10037), Fbx4(+120786)	N/A
Chr4	22478689	22479082	Chr4.13405	Pou3f2(+9480), Fbx4(+121343)	N/A
Chr4	141955096	141955218	Chr4.134053	Ethd2(-80237), Fhd1(+59910)	N/A
Chr4	22480996	22481172	Chr4.134111	Pou3f2(+7282), Fbx4(+123541)	N/A
Chr4	142112102	142112342	Chr4.134161	Tmem51(-27918), Kazn(+27179)	N/A
Chr4	142117079	142117206	Chr4.134167	Tmem51(-32839), Kazn(+122558)	N/A
Chr4	142118069	142118292	Chr4.134169	Tmem51(-33877), Kazn(+121220)	N/A
Chr4	142146804	142146931	Chr4.134187	Tmem51(-62564), Kazn(+82533)	N/A
Chr4	142179614	142179760	Chr4.134212	Tmem51(-95383), Kazn(+59714)	N/A
Chr4	142221409	142221522	Chr4.134228	Tmem51(-137162), Kazn(+17935)	N/A
Chr4	142221585	142221802	Chr4.134227	Tmem51(-137390), Kazn(+17707)	N/A
Chr4	142246879	142247025	Chr4.134247	Kazn(-7551), Prdm2(+965753)	N/A
Chr4	142267646	142267792	Chr4.134263	Kazn(-28318), Prdm2(+944986)	N/A
Chr4	142292867	142292980	Chr4.134275	Kazn(-53523), Prdm2(+919781)	N/A
Chr4	142306250	142306388	Chr4.134288	Kazn(-66918), Prdm2(+906386)	N/A
Chr4	142321367	142321637	Chr4.134299	Kazn(-82101), Prdm2(+891203)	N/A
Chr4	142326446	142326584	Chr4.134306	Kazn(-97114), Prdm2(+886190)	N/A
Chr4	142420519	142420651	Chr4.134383	Kazn(-181184), Prdm2(+792120)	N/A
Chr4	142431112	142431240	Chr4.134396	Kazn(-191775), Prdm2(+781529)	N/A
Chr4	142449509	142449938	Chr4.134415	Kazn(-210323), Prdm2(+762991)	N/A
Chr4	142460936	142461038	Chr4.134435	Kazn(-221586), Prdm2(+751718)	N/A
Chr4	142461070	142461195	Chr4.134439	Kazn(-221732), Prdm2(+751571)	N/A
Chr4	142473946	142474058	Chr4.134464	Kazn(-234601), Prdm2(+738703)	N/A
Chr4	142474126	142474367	Chr4.134467	Kazn(-234846), Prdm2(+738458)	N/A
Chr4	142486049	142486177	Chr4.134474	Kazn(-246712), Prdm2(+726592)	N/A
Chr4	142501533	142501651	Chr4.134495	Kazn(-262191), Prdm2(+711113)	N/A
Chr4	142527046	142527177	Chr4.134525	Kazn(-287711), Prdm2(+685593)	N/A
Chr4	142572184	142572575	Chr4.134574	Kazn(-32879), Prdm2(+64355)	N/A
Chr4	142572620	142572831	Chr4.134580	Kazn(-333325), Prdm2(+639979)	N/A
Chr4	142577631	142577819	Chr4.134593	Kazn(-338324), Prdm2(+634980)	N/A
Chr4	142588527	142588691	Chr4.134617	Kazn(-349208), Prdm2(+624096)	N/A
Chr4	142588720	142588840	Chr4.134621	Kazn(-349379), Prdm2(+623925)	N/A
Chr4	142589029	142589180	Chr4.134623	Kazn(-349704), Prdm2(+623600)	N/A
Chr4	142622723	142622874	Chr4.134655	Kazn(-383398), Prdm2(+589906)	N/A
Chr4	22490077	22490362	Chr4.13468	Pou3f2(-1854)	N/A
Chr4	22491816	22492025	Chr4.13474	Pou3f2(-3555)	N/A
Chr4	142750139	142750307	Chr4.134747	Kazn(-510822), Prdm2(+462482)	N/A
Chr4	142767965	142768112	Chr4.134765	Kazn(-528638), Prdm2(+444666)	N/A
Chr4	142825942	142826080	Chr4.134814	Kazn(-586610), Prdm2(+386694)	N/A
Chr4	142826470	142826714	Chr4.134819	Kazn(-587191), Prdm2(+386113)	N/A
Chr4	142856721	142856842	Chr4.134871	Kazn(-617381), Prdm2(+355923)	N/A
Chr4	22494531	22494688	Chr4.13491	Pou3f2(-6244)	N/A
Chr4	22495070	22495282	Chr4.13492	Pou3f2(-6810)	N/A
Chr4	143074531	143074649	Chr4.135026	Kazn(-935189), Prdm2(+138115)	N/A
Chr4	22497677	22497821	Chr4.13503	Pou3f2(-9393)	N/A

Chr4	143128265	143128425	Chr4.135055	Kazn(-888944),Prdm2(+84360)	N/A
Chr4	22498781	22499004	Chr4.13507	Pou3f2(-10527)	N/A
Chr4	143145357	143145513	Chr4.135197	Kazn(-906034),Prdm2(+67270)	N/A
Chr4	143203965	143203472	Chr4.135243	Kazn(-969018),Prdm2(+2386)	N/A
Chr4	143279745	143279845	Chr4.135284	Prdm2(-67090),Pdpm(+19769)	N/A
Chr4	143289052	143289181	Chr4.135292	Prdm2(-76412),Pdpm(+10447)	N/A
Chr4	143297066	143297185	Chr4.135297	Prdm2(-84421),Pdpm(+2438)	N/A
Chr4	143299488	143299623	Chr4.135311	Pdpm(+8)	N/A
Chr4	143325252	143325409	Chr4.135320	Pdpm(-25767),Lmc3b(-24426)	N/A
Chr4	143362115	143362450	Chr4.135376	Prdm1(+12043),Lmc3b(-32626)	N/A
Chr4	144883226	144883385	Chr4.135631	Aadac4fms(-96723),Dhrs3(-9771)	N/A
Chr4	144894521	144894932	Chr4.135638	Dhrs3(+1650),Vps13d(+79956)	N/A
Chr4	144934602	144934731	Chr4.135682	Vps13d(+40016),Dhrs3(+41590)	N/A
Chr4	144940976	144941077	Chr4.135685	Vps13d(+33658),Dhrs3(+47950)	N/A
Chr4	144941319	144941432	Chr4.135690	Vps13d(+33307),Dhrs3(+48299)	N/A
Chr4	144949618	144949793	Chr4.135696	Vps13d(+24077),Dhrs3(+56629)	N/A
Chr4	144984002	144984257	Chr4.135738	Vps13d(-9447),Vps13d(+206536)	N/A
Chr4	144988599	144988806	Chr4.135740	Vps13d(-14020),Vps13d(+201963)	N/A
Chr4	144990411	144990566	Chr4.135749	Vps13d(-15806),Vps13d(+200177)	N/A
Chr4	144993227	144993518	Chr4.135757	Vps13d(-18740),Vps13d(+197243)	N/A
Chr4	144993582	144993789	Chr4.135759	Vps13d(-19003),Vps13d(+196980)	N/A
Chr4	144993944	144994044	Chr4.135760	Vps13d(-19311),Vps13d(+196672)	N/A
Chr4	144997578	144997726	Chr4.135764	Vps13d(-22969),Vps13d(+193014)	N/A
Chr4	144999921	145000409	Chr4.135771	Vps13d(-25482),Vps13d(+190501)	N/A
Chr4	145004151	145004257	Chr4.135781	Vps13d(-29521),Vps13d(+186462)	N/A
Chr4	145011336	145011517	Chr4.135801	Vps13d(-36746),Vps13d(+179239)	N/A
Chr4	145011561	145011756	Chr4.135805	Vps13d(-36976),Vps13d(+179007)	N/A
Chr4	145013308	145013561	Chr4.135817	Vps13d(-38752),Vps13d(+177231)	N/A
Chr4	145013629	145014000	Chr4.135823	Vps13d(-39132),Vps13d(+176851)	N/A
Chr4	145025123	145025431	Chr4.135849	Vps13d(-50594),Vps13d(+165389)	N/A
Chr4	145025567	145026073	Chr4.135856	Vps13d(-51937),Vps13d(+194046)	N/A
Chr4	145026724	145026857	Chr4.135863	Vps13d(-52108),Vps13d(+136879)	N/A
Chr4	145034635	145034945	Chr4.135865	Vps13d(-60107),Vps13d(+155876)	N/A
Chr4	145043269	145043413	Chr4.135873	Vps13d(-66658),Vps13d(+147325)	N/A
Chr4	145050769	145051500	Chr4.135884	Vps13d(-76452),Vps13d(+139531)	N/A
Chr4	145051723	145051898	Chr4.135889	Vps13d(-77128),Vps13d(+138855)	N/A
Chr4	145051957	145052101	Chr4.135891	Vps13d(-77346),Vps13d(+138691)	N/A
Chr4	145052548	145052714	Chr4.135895	Vps13d(-77948),Vps13d(+138035)	N/A
Chr4	145067041	145067194	Chr4.135929	Vps13d(-92435),Vps13d(+123548)	N/A
Chr4	3677994	3678108	Chr4.136	Lyn(-64)	N/A
Chr4	145096833	145097080	Chr4.136001	Vps13d(-122274),Vps13d(+93709)	N/A
Chr4	145104980	145105277	Chr4.136026	Vps13d(-130450),Vps13d(+85533)	N/A
Chr4	145107049	145107157	Chr4.136039	Vps13d(-132420),Vps13d(+83563)	N/A
Chr4	145130260	145130409	Chr4.136091	Vps13d(-156562),Vps13d(+60337)	N/A
Chr4	145233814	145233926	Chr4.136287	Vps13d(-43204),Tnfrsf1b(+13000)	N/A
Chr4	147963703	147963876	Chr4.136568	Nppl(-21998),2510039018w(+22895)	N/A
Chr4	148000556	148000749	Chr4.136587	Nppl(-69)	N/A
Chr4	148161459	148161703	Chr4.136938	Fbxo4(-1498),Fbxo2(+960)	N/A
Chr4	148166503	148166633	Chr4.136957	Fbxo2(+5947),Disp3(+121397)	N/A
Chr4	148171423	148171538	Chr4.136963	Fbxo2(+10860),Disp3(+116484)	N/A
Chr4	148173877	148174113	Chr4.136965	Fbxo2(+13374),Disp3(+113970)	N/A
Chr4	148177773	148177889	Chr4.136975	Fbxo2(+17210),Disp3(+110134)	N/A
Chr4	148204797	148204970	Chr4.136987	Fbxo2(+44263),Disp3(+83081)	N/A
Chr4	148273398	148273482	Chr4.137141	Cas2f(+14540),Gm572(+112899)	N/A
Chr4	148322270	148322377	Chr4.137206	Disp3(-34359),Ubiad1(+122447)	N/A
Chr4	148327514	148327673	Chr4.137213	Disp3(-39629),Ubiad1(+117177)	N/A
Chr4	148404733	148404939	Chr4.137260	Disp3(-116871),Ubiad1(+39935)	N/A
Chr4	148415486	148416054	Chr4.137320	Disp3(-127605),Ubiad1(+29201)	N/A
Chr4	148448343	148448509	Chr4.137320	Ubiad1(-3655),Mtor(-185)	N/A
Chr4	22833767	22834051	Chr4.13742	Pou3f2(-345543)	N/A
Chr4	148500476	148500642	Chr4.137473	Angptl7(-99)	N/A
Chr4	148500674	148500800	Chr4.137477	Angptl7(-277)	N/A
Chr4	148527603	148527703	Chr4.137540	Exosc10(-30776),Angptl7(-27193)	N/A
Chr4	148590907	148591104	Chr4.137722	Srm(-497)	N/A
Chr4	148605511	148606064	Chr4.137813	Mazp2(-6024),Tardbp(-18431)	N/A
Chr4	148655635	148656959	Chr4.137902	Cas2f(-147532),Gm572(+13580)	N/A
Chr4	148670865	148671176	Chr4.137943	Cas2f(-133408),Gm572(+27704)	N/A
Chr4	148677186	148677372	Chr4.137950	Cas2f(-127150),Gm572(+33962)	N/A
Chr4	148683658	148683877	Chr4.137958	Cas2f(-120661),Gm572(+40451)	N/A
Chr4	148743630	148743748	Chr4.137977	Cas2f(-60739),Gm572(+100373)	N/A
Chr4	148744014	148745080	Chr4.137983	Cas2f(-59432),Gm572(+101680)	N/A
Chr4	148746334	148746582	Chr4.137989	Cas2f(-57971),Gm572(+103141)	N/A
Chr4	148747366	148747490	Chr4.137990	Cas2f(-57001),Gm572(+104111)	N/A
Chr4	148750061	148750265	Chr4.137993	Cas2f(-54266),Gm572(+106846)	N/A
Chr4	148752684	148752984	Chr4.137995	Cas2f(-51510),Gm572(+109602)	N/A
Chr4	148766470	148766756	Chr4.137999	Cas2f(-37816),Gm572(+123246)	N/A
Chr4	148768782	148768889	Chr4.138000	Cas2f(-35593),Gm572(+125519)	N/A
Chr4	148786121	148786260	Chr4.138031	Cas2f(-18238),Gm572(+142874)	N/A
Chr4	148797561	148797751	Chr4.138050	Cas2f(-6773),Gm572(+154339)	N/A
Chr4	148798046	148798154	Chr4.138055	Cas2f(-6329),Gm572(+154783)	N/A
Chr4	148799390	148799499	Chr4.138059	Cas2f(-4989)	N/A
Chr4	148813365	148813570	Chr4.138069	Cas2f(-9039),Pex14(+286408)	N/A
Chr4	148816634	148816811	Chr4.138104	Cas2f(+12294),Pex14(+263153)	N/A
Chr4	148817000	148817132	Chr4.138106	Cas2f(+12637),Pex14(+282810)	N/A
Chr4	148820334	148820553	Chr4.138114	Cas2f(+16065),Pex14(+279382)	N/A
Chr4	148826243	148826536	Chr4.138128	Cas2f(+21861),Pex14(+273486)	N/A
Chr4	148833377	148833531	Chr4.138131	Cas2f(+29025),Pex14(+266428)	N/A
Chr4	148833636	148834113	Chr4.138133	Cas2f(+29546),Pex14(+265901)	N/A
Chr4	148836390	148836597	Chr4.138140	Cas2f(+32065),Pex14(+263382)	N/A
Chr4	148840380	148840481	Chr4.138151	Cas2f(+36002),Pex14(+259445)	N/A
Chr4	148845005	148845221	Chr4.138160	Cas2f(+40684),Pex14(+254763)	N/A
Chr4	148851453	148851615	Chr4.138170	Cas2f(+47105),Pex14(+248342)	N/A
Chr4	148862436	148862542	Chr4.138203	Cas2f(+58060),Pex14(+237347)	N/A
Chr4	148867037	148867485	Chr4.138206	Cas2f(+62832),Pex14(+232615)	N/A
Chr4	148868110	148868332	Chr4.138214	Cas2f(+63792),Pex14(+231655)	N/A
Chr4	148871584	148871873	Chr4.138223	Cas2f(+67300),Pex14(+228147)	N/A
Chr4	148872253	148872415	Chr4.138227	Cas2f(+67905),Pex14(+227542)	N/A
Chr4	148872827	148873087	Chr4.138229	Cas2f(+68528),Pex14(+226919)	N/A
Chr4	148874198	148874518	Chr4.138234	Cas2f(+69925),Pex14(+225522)	N/A
Chr4	148877099	148877210	Chr4.138242	Cas2f(+72726),Pex14(+222721)	N/A
Chr4	148881216	148881438	Chr4.138252	Cas2f(+76888),Pex14(+218549)	N/A
Chr4	148885880	148886125	Chr4.138258	Cas2f(+81574),Pex14(+213873)	N/A
Chr4	148888303	148888658	Chr4.138262	Cas2f(+84052),Pex14(+211395)	N/A
Chr4	148890989	148891464	Chr4.138270	Cas2f(+86798),Pex14(+208649)	N/A
Chr4	148902199	148902387	Chr4.138300	Cas2f(+97864),Pex14(+197583)	N/A
Chr4	148903010	148903245	Chr4.138301	Cas2f(+98699),Pex14(+196748)	N/A
Chr4	148906008	148906122	Chr4.138309	Cas2f(+101636),Pex14(+193811)	N/A
Chr4	148908405	148908587	Chr4.138315	Cas2f(+104057),Pex14(+191390)	N/A
Chr4	148909692	148909819	Chr4.138319	Cas2f(+105327),Pex14(+190120)	N/A
Chr4	148912516	148912741	Chr4.138325	Cas2f(+108201),Pex14(+187246)	N/A
Chr4	148912963	148913348	Chr4.138326	Cas2f(+108727),Pex14(+186720)	N/A
Chr4	148914884	148915148	Chr4.138331	Cas2f(+110587),Pex14(+184860)	N/A
Chr4	148915724	148915850	Chr4.138335	Cas2f(+111358),Pex14(+184089)	N/A
Chr4	148916329	148916489	Chr4.138337	Cas2f(+111980),Pex14(+183467)	N/A
Chr4	148920823	148920959	Chr4.138341	Cas2f(+116462),Pex14(+178985)	N/A
Chr4	148920903	148920522	Chr4.138360	Cas2f(+121729),Pex14(+173718)	N/A
Chr4	148930408	148930648	Chr4.138379	Cas2f(+126099),Pex14(+169348)	N/A
Chr4	148930960	148931078	Chr4.138380	Cas2f(+126590),Pex14(+168857)	N/A
Chr4	148940435	148940615	Chr4.138448	Cas2f(+136099),Pex14(+159351)	N/A
Chr4	148940709	148940828	Chr4.138451	Cas2f(+138340),Pex14(+159107)	N/A
Chr4	148940871	148940987	Chr4.138453	Cas2f(+136505),Pex14(+158947)	N/A
Chr4	148941023	148941146	Chr4.138454	Cas2f(+136656),Pex14(+158791)	N/A
Chr4	148947981	148948174	Chr4.138497	Cas2f(+143649),Pex14(+151798)	N/A
Chr4	148949526	148949774	Chr4.138513	Cas2f(+145221),Pex14(+150226)	N/A
Chr4	148956656	148956783	Chr4.138535	Pex14(+143156),Cas2f(+153291)	N/A
Chr4	148964965	148964941	Chr4.138559	Pex14(+135123),Cas2f(+160324)	N/A
Chr4	148964957	148965068	Chr4.138562	Pex14(+134863),Cas2f(+160584)	N/A
Chr4	148966467	148966578	Chr4.138575	Pex14(+133353),Cas2f(+162094)	N/A
Chr4	148981590	148981691	Chr4.138602	Pex14(+118235),Cas2f(+177212)	N/A
Chr4	148982400	148982570	Chr4.138609	Pex14(+117391),Cas2f(+178056)	N/A
Chr4	148982484	148984433	Chr4.138615	Pex14(+115517),Cas2f(+179930)	N/A
Chr4	148990447	148990330	Chr4.138646	Pex14(+109637),Cas2f(+185810)	N/A
Chr4	148993512	148993642	Chr4.138652	Pex14(+106299),Cas2f(+189148)	N/A
Chr4	149022549	149022715	Chr4.138660	Pex14(+77244),Cas2f(+218203)	N/A
Chr4	149027531	149027718	Chr4.138676	Pex14(+72251),Cas2f(+223196)	N/A
Chr4	149036903	149036801	Chr4.138680	Pex14(+63174),Cas2f(+222273)	N/A
Chr4	149037666	149037784	Chr4.138684	Pex14(+62151),Cas2f(+233268)	N/A
Chr4	149039587	149039686	Chr4.138698	Pex14(+60249),Cas2f(+235198)	N/A

Chr4	149040228	149040692	Chr4.138703	<i>Pex14(+59416),Casz1(+236031)</i>	N/A
Chr4	149046574	149046699	Chr4.138727	<i>Pex14(+53239),Casz1(+242208)</i>	N/A
Chr4	149049220	149049487	Chr4.138743	<i>Pex14(+50522),Casz1(+244925)</i>	N/A
Chr4	149049631	149049807	Chr4.138747	<i>Pex14(+50157),Casz1(+245290)</i>	N/A
Chr4	149055851	149055957	Chr4.138761	<i>Pex14(+43972),Casz1(+251475)</i>	N/A
Chr4	149057161	149057399	Chr4.138767	<i>Pex14(+42596),Casz1(+252851)</i>	N/A
Chr4	149057588	149057767	Chr4.138773	<i>Pex14(+42198),Casz1(+253249)</i>	N/A
Chr4	149058459	149058688	Chr4.138779	<i>Pex14(+41302),Casz1(+254145)</i>	N/A
Chr4	149062944	149063117	Chr4.138794	<i>Pex14(+36845),Casz1(+258602)</i>	N/A
Chr4	149066840	149066993	Chr4.138814	<i>Pex14(+32550),Casz1(+263491)</i>	N/A
Chr4	149067206	149067365	Chr4.138818	<i>Pex14(+32590),Casz1(+262857)</i>	N/A
Chr4	149069503	149069782	Chr4.138820	<i>Pex14(+30233),Casz1(+265214)</i>	N/A
Chr4	149070388	149070488	Chr4.138825	<i>Pex14(+29438),Casz1(+266009)</i>	N/A
Chr4	149099761	149099919	Chr4.138838	<i>Offa(-4308),Pex14(+38)</i>	N/A
Chr4	149205711	149205899	Chr4.139034	<i>Pgdl(-39098),Kfl1b(+101701)</i>	N/A
Chr4	149238841	149239076	Chr4.139135	<i>Pgdl(-72252),Kfl1b(+68547)</i>	N/A
Chr4	149259589	149259753	Chr4.139170	<i>Pgdl(-92964),Kfl1b(+47835)</i>	N/A
Chr4	149277700	149277907	Chr4.139210	<i>Pgdl(-111097),Kfl1b(+29702)</i>	N/A
Chr4	149306211	149306330	Chr4.139227	<i>Pgdl(-139564),Kfl1b(+1235)</i>	N/A
Chr4	149306671	149306832	Chr4.139229	<i>Kfl1b(+754)</i>	N/A
Chr4	149308231	149308413	Chr4.139233	<i>Kfl1b(-816)</i>	N/A
Chr4	149329362	149329508	Chr4.139250	<i>Kfl1b(-21929),Ube4b(+97314)</i>	N/A
Chr4	149380027	149380179	Chr4.139332	<i>Kfl1b(-72597),Ube4b(+46646)</i>	N/A
Chr4	149425824	149426072	Chr4.139365	<i>Ube4b(+801)</i>	N/A
Chr4	149426356	149426703	Chr4.139370	<i>Ube4b(+219)</i>	N/A
Chr4	149496748	149496898	Chr4.139461	<i>Ctnnbp1(-21413),Lzic(+11529)</i>	N/A
Chr4	149497367	149497491	Chr4.139466	<i>Ctnnbp1(-20807),Lzic(+12135)</i>	N/A
Chr4	149505388	149505488	Chr4.139476	<i>Ctnnbp1(-12798),Lzic(+20144)</i>	N/A
Chr4	149511200	149511453	Chr4.139481	<i>Ctnnbp1(-6909),Lzic(+26033)</i>	N/A
Chr4	149519078	149519231	Chr4.139491	<i>Ctnnbp1(+919)</i>	N/A
Chr4	149530030	149530219	Chr4.139502	<i>Ctstn1(-56514),Ctnnbp1(+11889)</i>	N/A
Chr4	149557985	149558114	Chr4.139531	<i>Ctstn1(-28588),Ctnnbp1(+39814)</i>	N/A
Chr4	149562370	149562526	Chr4.139533	<i>Ctstn1(-24190),Ctnnbp1(+44212)</i>	N/A
Chr4	149642995	149643095	Chr4.139679	<i>Plk3cd(+55663),Ctstn1(+56407)</i>	N/A
Chr4	149696814	149696956	Chr4.139884	<i>Plk3cd(+1823),Ctstn1(+110247)</i>	N/A
Chr4	149723985	149723291	Chr4.139929	<i>Plk3cd(-24480),Tmem201(+14856)</i>	N/A
Chr4	149724945	149724977	Chr4.139933	<i>Slc25a33(-26233),Tmem201(+13133)</i>	N/A
Chr4	149758528	149758681	Chr4.140007	<i>Tmem201(-20561),Slc25a33(+15672)</i>	N/A
Chr4	149820739	149820895	Chr4.140030	<i>Slc25a33(-46540),Spsb1(+134226)</i>	N/A
Chr4	149822284	149822497	Chr4.140038	<i>Slc25a33(-48114),Spsb1(+132652)</i>	N/A
Chr4	149830703	149830888	Chr4.140046	<i>Slc25a33(-56519),Spsb1(+124247)</i>	N/A
Chr4	149843821	149843959	Chr4.140056	<i>Slc25a33(-69613),Spsb1(+117153)</i>	N/A
Chr4	149847114	149847245	Chr4.140059	<i>Slc25a33(-72903),Spsb1(+107863)</i>	N/A
Chr4	149847295	149847429	Chr4.140071	<i>Slc25a33(-73085),Spsb1(+107681)</i>	N/A
Chr4	149860423	149860527	Chr4.140082	<i>Slc25a33(-86198),Spsb1(+94568)</i>	N/A
Chr4	149875374	149875531	Chr4.140089	<i>Slc25a33(-101176),Spsb1(+79590)</i>	N/A
Chr4	149876223	149876382	Chr4.140095	<i>Slc25a33(-102026),Spsb1(+78740)</i>	N/A
Chr4	149898956	149897160	Chr4.140111	<i>Slc25a33(+112781),Spsb1(+97085)</i>	N/A
Chr4	149899933	1498990059	Chr4.140115	<i>Slc25a33(+115719),Spsb1(+65047)</i>	N/A
Chr4	149909689	149909864	Chr4.140118	<i>Slc25a33(-116500),Spsb1(+64266)</i>	N/A
Chr4	14996287	149962937	Chr4.140128	<i>Slc25a33(-122065),Spsb1(+58701)</i>	N/A
Chr4	22973028	22973157	Chr4.14013	<i>Pou3f2(-484727)</i>	N/A
Chr4	149914471	149914679	Chr4.140164	<i>Slc25a33(-140298),Spsb1(+40468)</i>	N/A
Chr4	149937054	149937218	Chr4.140184	<i>Slc25a33(-162864),Spsb1(+17902)</i>	N/A
Chr4	149943304	149943474	Chr4.140192	<i>Slc25a33(-169112),Spsb1(+11654)</i>	N/A
Chr4	149953645	149953794	Chr4.140202	<i>Slc25a33(-179443),Spsb1(+1323)</i>	N/A
Chr4	149964711	149964874	Chr4.140208	<i>Spsb1(-9750),Hfpd(+44230)</i>	N/A
Chr4	150060086	150060196	Chr4.140359	<i>Hfpd(-51118),Gpr157(-27224)</i>	N/A
Chr4	150069251	150069561	Chr4.140363	<i>Hfpd(-59453),Gpr157(-18859)</i>	N/A
Chr4	2298732	22989872	Chr4.14040	<i>Pou3f2(-49436)</i>	N/A
Chr4	150120547	150120671	Chr4.140403	<i>Slc2a7(-28363),Slc2a5(+1326)</i>	N/A
Chr4	2299079	22990301	Chr4.14054	<i>Pou3f2(-510824)</i>	N/A
Chr4	150280130	150280267	Chr4.140675	<i>Rere(-1447)</i>	N/A
Chr4	150282317	150282488	Chr4.140679	<i>Rere(+757)</i>	N/A
Chr4	150282886	150282790	Chr4.140684	<i>Rere(+1092),Slc45a1(+369436)</i>	N/A
Chr4	150282919	150283020	Chr4.140686	<i>Rere(+1324),Slc45a1(+369204)</i>	N/A
Chr4	150283072	150283332	Chr4.140688	<i>Rere(+1556),Slc45a1(+368972)</i>	N/A
Chr4	150284166	150284415	Chr4.140694	<i>Rere(+2645),Slc45a1(+367883)</i>	N/A
Chr4	150285813	150286039	Chr4.140703	<i>Rere(+4280),Slc45a1(+366248)</i>	N/A
Chr4	150303028	150305178	Chr4.140717	<i>Rere(+23657),Slc45a1(+347071)</i>	N/A
Chr4	150330108	150330215	Chr4.140771	<i>Rere(+57616),Slc45a1(+313021)</i>	N/A
Chr4	150361981	150362341	Chr4.140798	<i>Rere(+80515),Slc45a1(+290013)</i>	N/A
Chr4	150366752	150367023	Chr4.140809	<i>Rere(+85242),Slc45a1(+285286)</i>	N/A
Chr4	150371472	150371711	Chr4.140820	<i>Rere(+89946),Slc45a1(+280582)</i>	N/A
Chr4	150373145	150373324	Chr4.140833	<i>Rere(+91589),Slc45a1(+278939)</i>	N/A
Chr4	150373396	150373638	Chr4.140837	<i>Rere(+91870),Slc45a1(+278658)</i>	N/A
Chr4	150415604	150415920	Chr4.140887	<i>Rere(+134116),Slc45a1(+236412)</i>	N/A
Chr4	150427002	150427115	Chr4.140899	<i>Rere(+145413),Slc45a1(+225115)</i>	N/A
Chr4	150427427	150427620	Chr4.140903	<i>Rere(+145878),Slc45a1(+224650)</i>	N/A
Chr4	150441583	150441787	Chr4.140940	<i>Rere(+160039),Slc45a1(+210489)</i>	N/A
Chr4	150445970	150445964	Chr4.140944	<i>Rere(+164171),Slc45a1(+206357)</i>	N/A
Chr4	150456936	150457249	Chr4.140951	<i>Rere(+175447),Slc45a1(+195081)</i>	N/A
Chr4	150457286	150457548	Chr4.140955	<i>Rere(+175771),Slc45a1(+194757)</i>	N/A
Chr4	150461968	150462194	Chr4.140962	<i>Rere(+180435),Slc45a1(+190093)</i>	N/A
Chr4	150488176	150488714	Chr4.140974	<i>Slc45a1(+163729),Rere(+206799)</i>	N/A
Chr4	150489901	150489083	Chr4.140983	<i>Slc45a1(+163182),Rere(+207346)</i>	N/A
Chr4	150495996	150495993	Chr4.140988	<i>Slc45a1(+156294),Rere(+214234)</i>	N/A
Chr4	150526288	150526529	Chr4.141010	<i>Slc45a1(+125765),Rere(+244763)</i>	N/A
Chr4	150526756	150527053	Chr4.141015	<i>Slc45a1(+125269),Rere(+245259)</i>	N/A
Chr4	150537283	150537398	Chr4.141026	<i>Slc45a1(+114833),Rere(+255695)</i>	N/A
Chr4	150539777	150540053	Chr4.141029	<i>Slc45a1(+112259),Rere(+258269)</i>	N/A
Chr4	150550699	150557108	Chr4.141051	<i>Slc45a1(+95275),Rere(+273253)</i>	N/A
Chr4	150557967	150559109	Chr4.141053	<i>Slc45a1(+94136),Rere(+276307)</i>	N/A
Chr4	150563229	150563491	Chr4.141059	<i>Slc45a1(+88814),Rere(+281714)</i>	N/A
Chr4	150566219	150566373	Chr4.141066	<i>Slc45a1(+85878),Rere(+284650)</i>	N/A
Chr4	150576466	150576595	Chr4.141089	<i>Slc45a1(+75643),Rere(+294885)</i>	N/A
Chr4	150581880	150582004	Chr4.141091	<i>Slc45a1(+70232),Rere(+300296)</i>	N/A
Chr4	150583004	150583278	Chr4.141094	<i>Slc45a1(+69033),Rere(+301405)</i>	N/A
Chr4	150583417	150583543	Chr4.141098	<i>Slc45a1(+68694),Rere(+301834)</i>	N/A
Chr4	150601371	150601562	Chr4.141105	<i>Slc45a1(+50707),Rere(+319821)</i>	N/A
Chr4	150606697	150607172	Chr4.141114	<i>Slc45a1(+45239),Rere(+325289)</i>	N/A
Chr4	150685435	150685548	Chr4.141353	<i>Erff1(-169581),Slc45a1(-33318)</i>	N/A
Chr4	150746126	150746344	Chr4.141372	<i>Erff1(-108838),Slc45a1(-94081)</i>	N/A
Chr4	150794945	150794952	Chr4.141391	<i>Slc45a1(-132725),Erff1(-70174)</i>	N/A
Chr4	150798968	150799161	Chr4.141395	<i>Slc45a1(-146891),Erff1(-56008)</i>	N/A
Chr4	150807496	150807601	Chr4.141408	<i>Slc45a1(-155375),Erff1(-47524)</i>	N/A
Chr4	150808635	150808748	Chr4.141412	<i>Slc45a1(-156518),Erff1(-46381)</i>	N/A
Chr4	150808789	150808914	Chr4.141413	<i>Slc45a1(-156678),Erff1(-46221)</i>	N/A
Chr4	150837452	150837727	Chr4.141443	<i>Slc45a1(-165416),Erff1(-17483)</i>	N/A
Chr4	150853897	150853996	Chr4.141464	<i>Erff1(-1126)</i>	N/A
Chr4	150855873	150856128	Chr4.141465	<i>Erff1(+928)</i>	N/A
Chr4	150856955	150857129	Chr4.141468	<i>Erff1(+1969),Park7(+52584)</i>	N/A
Chr4	150863093	150863353	Chr4.141476	<i>Erff1(+8150),Park7(+46403)</i>	N/A
Chr4	150868385	150868600	Chr4.141555	<i>Erff1(+13370),Park7(+41183)</i>	N/A
Chr4	151087802	151088133	Chr4.141791	<i>Gm13090(-21552),Vamp3(-10965)</i>	N/A
Chr4	151130206	151130415	Chr4.141871	<i>Gm13090(+40871),Camta1(-731435)</i>	N/A
Chr4	151140720	151140825	Chr4.141887	<i>Gm13090(+51203),Camta1(-720973)</i>	N/A
Chr4	6514790	6514930	Chr4.1421	<i>Nmafl(-60589),Tox(+475939)</i>	N/A
Chr4	151286013	151286129	Chr4.142101	<i>Gm13090(+196501),Camta1(+575675)</i>	N/A
Chr4	151302523	151302758	Chr4.142114	<i>Gm13090(+213070),Camta1(+559106)</i>	N/A
Chr4	23176130	23176288	Chr4.14214	<i>Pou3f2(-68784)</i>	N/A
Chr4	151355860	151356238	Chr4.142181	<i>Gm13090(+266479),Camta1(+505697)</i>	N/A
Chr4	151367038	151367169	Chr4.142205	<i>Gm13090(+277534),Camta1(+494642)</i>	N/A
Chr4	151387064	151387315	Chr4.142232	<i>Gm13090(+297620),Camta1(+474556)</i>	N/A
Chr4	151387360	151387460	Chr4.142235	<i>Gm13090(+297840),Camta1(+474336)</i>	N/A
Chr4	151389763	151389918	Chr4.142246	<i>Gm13090(+300280),Camta1(+471896)</i>	N/A
Chr4	151409291	151409402	Chr4.142263	<i>Gm13090(+319777),Camta1(+452399)</i>	N/A
Chr4	151422961	151423080	Chr4.142284	<i>Gm13090(+333451),Camta1(+438725)</i>	N/A
Chr4	151450015	151450115	Chr4.142329	<i>Gm13090(+360495),Camta1(+411681)</i>	N/A
Chr4	151517263	151517454	Chr4.142410	<i>Camta1(+344387),Gm13090(+427789)</i>	N/A
Chr4	151519067	151519211	Chr4.142417	<i>Camta1(+342607),Gm13090(+426569)</i>	N/A
Chr4	151520238	151520338	Chr4.142420	<i>Camta1(+341458),Gm13090(+430718)</i>	N/A
Chr4	151536079	151536298	Chr4.142427	<i>Camta1(+325557),Gm13090(+446619)</i>	N/A
Chr4	151594239	151594374	Chr4.142505	<i>Camta1(+267439),Gm13090(+504737)</i>	N/A
Chr4	151619943	151620043	Chr4.142529	<i>Camta1(+241753),Gm13090(+530423)</i>	N/A
Chr4	151655948	151656204	Chr4.142568	<i>Camta1(+205640),Gm13090(+568536)</i>	N/A
Chr4	151658448	151658547	Chr4.142571	<i>Camta1(+205248),Gm13090(+568928)</i>	N/A
Chr4	151666478	151666607	Chr4.142572	<i>Camta1(+195203),Gm13090(+57</i>	

Chr4	151724175	151724492	Chr4.142619	Camta1(+137412),Gm13090(+634764)	N/A
Chr4	151741694	151741797	Chr4.142640	Camta1(+120000),Gm13090(+652176)	N/A
Chr4	151787391	151787512	Chr4.142720	Camta1(+74294),Gm13090(+597862)	N/A
Chr4	151793862	151794042	Chr4.142739	Camta1(+67794),Gm13090(+704362)	N/A
Chr4	151851916	151852154	Chr4.142801	Camta1(+9711),Gm13090(+762465)	N/A
Chr4	151874846	151874959	Chr4.142841	Dnajc11(-58788),Camta1(-13157)	N/A
Chr4	151876116	151876233	Chr4.142841	Dnajc11(-57516),Camta1(-14429)	N/A
Chr4	151932113	151932246	Chr4.142899	Dnajc11(-1511)	N/A
Chr4	151989626	151989753	Chr4.143005	Thap3(-693)	N/A
Chr4	152007633	152007771	Chr4.143052	Khl21(+1101)	N/A
Chr4	152010410	152010531	Chr4.143065	Khl21(+1668),Zbtb48(+17190)	N/A
Chr4	152075955	152076211	Chr4.143371	Plekhhg5(-20636),Nol9(+36756)	N/A
Chr4	152076382	152076522	Chr4.143378	Plekhhg5(-20267),Nol9(+37125)	N/A
Chr4	152098673	152098819	Chr4.143391	Plekhhg5(-7875),Nol9(+49417)	N/A
Chr4	152121117	152121284	Chr4.143536	Trifid25(+4948),Espn(+31018)	N/A
Chr4	152141678	152141779	Chr4.143632	Espn(+10478),Trifid25(+25396)	N/A
Chr4	152165537	152165642	Chr4.143665	Acot7(-20544),Hes2(+6723)	N/A
Chr4	152221603	152221740	Chr4.143692	Gpr153(-52690),Acot7(+35538)	N/A
Chr4	152266167	152266353	Chr4.143730	Gpr153(-8102),Acot7(+80126)	N/A
Chr4	152271626	152271756	Chr4.143746	Gpr153(-2671)	N/A
Chr4	152299091	152299242	Chr4.143847	Icm1(+1940),Rm207(+19441)	N/A
Chr4	152325769	152325944	Chr4.143935	Rpl22(-10)	N/A
Chr4	23490227	23490386	Chr4.14419	None	N/A
Chr4	23490386	23490618	Chr4.14420	None	N/A
Chr4	152405303	152405455	Chr4.144223	Chd5(+66728),Kcnab2(+72492)	N/A
Chr4	152477496	152477635	Chr4.144277	Nphp4(-578),Kcnab2(+305)	N/A
Chr4	152547943	152548051	Chr4.144428	Nphp4(-69855),Ajap1(+934833)	N/A
Chr4	152548163	152548305	Chr4.144432	Nphp4(+70092),Ajap1(+934596)	N/A
Chr4	152625603	152625715	Chr4.144543	Nphp4(+147517),Ajap1(+857171)	N/A
Chr4	152697129	152697246	Chr4.144590	Nphp4(+219046),Ajap1(+785642)	N/A
Chr4	23513925	23514364	Chr4.14460	Mms22l(-982306)	N/A
Chr4	152834206	152834324	Chr4.144694	Nphp4(-355123),Ajap1(+648565)	N/A
Chr4	152953245	152953402	Chr4.144757	Nphp4(+75182),Ajap1(+529595)	N/A
Chr4	153018426	153018562	Chr4.144813	Ajap1(+464336),Nphp4(+540352)	N/A
Chr4	153070944	153071050	Chr4.144864	Ajap1(+411833),Nphp4(+592855)	N/A
Chr4	153207268	153207386	Chr4.144935	Ajap1(+275503),Nphp4(+729185)	N/A
Chr4	153221663	153222280	Chr4.144949	Ajap1(+260608),Nphp4(+744302)	N/A
Chr4	153224912	153225038	Chr4.144960	Ajap1(+257855),Nphp4(+746833)	N/A
Chr4	153309728	153309882	Chr4.145046	Ajap1(+173025),Nphp4(+831663)	N/A
Chr4	153368797	153368973	Chr4.145079	Ajap1(+113945),Nphp4(+890743)	N/A
Chr4	153381569	153381776	Chr4.145097	Ajap1(+101157),Nphp4(+903531)	N/A
Chr4	153417352	153417501	Chr4.145119	Ajap1(+65403),Nphp4(+939285)	N/A
Chr4	153436061	153436176	Chr4.145146	Ajap1(+46711),Nphp4(+95797)	N/A
Chr4	153465423	153465527	Chr4.145171	Ajap1(+17355),Nphp4(+987333)	N/A
Chr4	153478466	153478597	Chr4.145174	Ajap1(+4298)	N/A
Chr4	153546027	153546141	Chr4.145204	A43000514nk(-411153),Ajap1(-63254)	N/A
Chr4	153600176	153600286	Chr4.145216	A43000514nk(-357008),Ajap1(-117401)	N/A
Chr4	153662775	153662958	Chr4.145245	A43000514nk(-294370),Ajap1(-180037)	N/A
Chr4	153890116	153890222	Chr4.145326	Ajap1(-407339),A43000514nk(-67068)	N/A
Chr4	154072003	154072205	Chr4.145682	Ccdc27(-29427),Tip73(+68104)	N/A
Chr4	154097067	154097281	Chr4.145715	Ccdc27(-54497),Tip73(+43034)	N/A
Chr4	154237754	154237885	Chr4.145832	Ahgf16(-162234),Megf6(+67090)	N/A
Chr4	154332946	154333022	Chr4.146280	Ahgf16(-13020),Prdm16(+303792)	N/A
Chr4	154336760	154336963	Chr4.146295	Ahgf16(-36818),Prdm16(+299994)	N/A
Chr4	154346612	154347063	Chr4.146359	Ahgf16(-46884),Prdm16(+269928)	N/A
Chr4	154348509	154348630	Chr4.146367	Ahgf16(-48516),Prdm16(+288296)	N/A
Chr4	154371462	154371605	Chr4.146385	Ahgf16(-71480),Prdm16(+265332)	N/A
Chr4	154371949	154372077	Chr4.146388	Ahgf16(-71959),Prdm16(+264853)	N/A
Chr4	154380715	154380860	Chr4.146396	Ahgf16(-80744),Prdm16(+256058)	N/A
Chr4	154386976	154387118	Chr4.146412	Ahgf16(-46963),Prdm16(+246819)	N/A
Chr4	154390293	154390526	Chr4.146418	Ahgf16(-90356),Prdm16(+246456)	N/A
Chr4	154393505	154393733	Chr4.146421	Ahgf16(-93565),Prdm16(+243247)	N/A
Chr4	154396592	154396931	Chr4.146432	Ahgf16(-96708),Prdm16(+240104)	N/A
Chr4	154400968	154401701	Chr4.146445	Ahgf16(-106881),Prdm16(+229831)	N/A
Chr4	154409535	154409646	Chr4.146448	Ahgf16(-109537),Prdm16(+227275)	N/A
Chr4	154413821	154413978	Chr4.146455	Ahgf16(-113846),Prdm16(+222966)	N/A
Chr4	154416830	154416945	Chr4.146462	Ahgf16(-116834),Prdm16(+219978)	N/A
Chr4	154420798	154421191	Chr4.146466	Ahgf16(-120941),Prdm16(+215871)	N/A
Chr4	154422687	154422896	Chr4.146471	Ahgf16(-122739),Prdm16(+214073)	N/A
Chr4	154423044	154423180	Chr4.146474	Ahgf16(-123058),Prdm16(+212759)	N/A
Chr4	154423454	154423591	Chr4.146478	Ahgf16(-123459),Prdm16(+213343)	N/A
Chr4	154423733	154424003	Chr4.146481	Ahgf16(-123814),Prdm16(+212998)	N/A
Chr4	154424790	154424973	Chr4.146485	Ahgf16(-124828),Prdm16(+211984)	N/A
Chr4	154425822	154425991	Chr4.146492	Ahgf16(-125853),Prdm16(+210959)	N/A
Chr4	154446028	154446132	Chr4.146520	Ahgf16(-146026),Prdm16(+190786)	N/A
Chr4	154446272	154446397	Chr4.146522	Ahgf16(-146311),Prdm16(+190531)	N/A
Chr4	154446915	154446923	Chr4.146551	Ahgf16(-164915),Prdm16(+171897)	N/A
Chr4	154480459	154480621	Chr4.146583	Ahgf16(-180486),Prdm16(+156326)	N/A
Chr4	154482131	154482239	Chr4.146585	Ahgf16(-182131),Prdm16(+154681)	N/A
Chr4	154492989	154493200	Chr4.146599	Ahgf16(-193041),Prdm16(+143771)	N/A
Chr4	154493363	154493489	Chr4.146603	Ahgf16(-193372),Prdm16(+143440)	N/A
Chr4	154499901	154499915	Chr4.146620	Ahgf16(-199546),Prdm16(+136528)	N/A
Chr4	154501029	154501281	Chr4.146623	Ahgf16(-201101),Prdm16(+135711)	N/A
Chr4	154502983	154503516	Chr4.146630	Ahgf16(-203196),Prdm16(+133616)	N/A
Chr4	154506773	154507158	Chr4.146637	Ahgf16(-206912),Prdm16(+129900)	N/A
Chr4	154512879	154512828	Chr4.146646	Ahgf16(-212700),Prdm16(+124112)	N/A
Chr4	154516529	154516915	Chr4.146650	Ahgf16(-216858),Prdm16(+120144)	N/A
Chr4	154519714	154520001	Chr4.146654	Ahgf16(-219804),Prdm16(+117008)	N/A
Chr4	154540876	154541221	Chr4.146680	Ahgf16(-240995),Prdm16(+95817)	N/A
Chr4	154543925	154544159	Chr4.146690	Ahgf16(-243988),Prdm16(+92824)	N/A
Chr4	154568828	154569295	Chr4.146730	Ahgf16(-269008),Prdm16(+67804)	N/A
Chr4	154574325	154574434	Chr4.146736	Ahgf16(-274326),Prdm16(+62486)	N/A
Chr4	154581551	154581818	Chr4.146753	Ahgf16(-281313),Prdm16(+651511)	N/A
Chr4	154582789	154583162	Chr4.146762	Ahgf16(-282922),Prdm16(+53890)	N/A
Chr4	154585575	154585759	Chr4.146767	Ahgf16(-285613),Prdm16(+51199)	N/A
Chr4	154587149	154587278	Chr4.146779	Ahgf16(-287160),Prdm16(+49652)	N/A
Chr4	154592770	154592959	Chr4.146787	Ahgf16(-292811),Prdm16(+44001)	N/A
Chr4	154594609	154594804	Chr4.146791	Ahgf16(-294771),Prdm16(+42041)	N/A
Chr4	154598462	154598563	Chr4.146797	Ahgf16(-298459),Prdm16(+38353)	N/A
Chr4	154600030	154600294	Chr4.146798	Ahgf16(-300108),Prdm16(+36704)	N/A
Chr4	154601307	154601660	Chr4.146801	Ahgf16(-301430),Prdm16(+35382)	N/A
Chr4	154604105	154604377	Chr4.146807	Ahgf16(-304187),Prdm16(+32625)	N/A
Chr4	154625875	154626058	Chr4.146831	Ahgf16(-325913),Prdm16(+10899)	N/A
Chr4	154632690	154632901	Chr4.146838	Ahgf16(-332742),Prdm16(+4070)	N/A
Chr4	154675184	154675283	Chr4.146914	Ttc34(-180966),Actr2(-7367)	N/A
Chr4	154693486	154693837	Chr4.146916	Ttc34(-162538),Actr2(-25795)	N/A
Chr4	154731253	154731447	Chr4.146951	Ttc34(-124850),Actr2(-63483)	N/A
Chr4	154738855	154738954	Chr4.146959	Ttc34(-117295),Actr2(-71038)	N/A
Chr4	154741244	154741370	Chr4.146964	Ttc34(-114893),Actr2(-73440)	N/A
Chr4	154741448	154741558	Chr4.146967	Ttc34(-114697),Actr2(-73636)	N/A
Chr4	154746672	154746803	Chr4.146976	Ttc34(-109462),Actr2(-78871)	N/A
Chr4	154750697	154750831	Chr4.146978	Ttc34(-105436),Actr2(-82897)	N/A
Chr4	154781345	154781623	Chr4.147005	Actr2(-113617),Ttc34(-74716)	N/A
Chr4	154785423	154785562	Chr4.147009	Actr2(-117626),Ttc34(-70707)	N/A
Chr4	154786177	154786303	Chr4.147016	Actr2(-120373),Ttc34(-67960)	N/A
Chr4	154791993	154792102	Chr4.147020	Actr2(-124181),Ttc34(-64152)	N/A
Chr4	154793788	154793953	Chr4.147022	Actr2(-126004),Ttc34(-62329)	N/A
Chr4	154800861	154800973	Chr4.147025	Actr2(-133050),Ttc34(-55283)	N/A
Chr4	154813217	154813386	Chr4.147030	Actr2(-145435),Ttc34(-42898)	N/A
Chr4	154848724	154848862	Chr4.147256	Trifid4(-20597),Hes2(-12130)	N/A
Chr4	154852792	154853022	Chr4.147259	Trifid4(-24705),Hes2(-8016)	N/A
Chr4	154958390	154958595	Chr4.147261	Hes2(-2430)	N/A
Chr4	154960727	154960834	Chr4.147267	Pank4(-3342),Hes2(-142)	N/A
Chr4	154986204	154986310	Chr4.147405	Pank4(+22134),Pich2(+24727)	N/A
Chr4	154988204	154988306	Chr4.147418	Pich2(+22729),Pank4(+24132)	N/A
Chr4	155043862	155044047	Chr4.147516	Gm1056(-1616)	N/A
Chr4	155118276	155118490	Chr4.147602	Mom1(+31806),Ski(+104209)	N/A
Chr4	155134505	155134609	Chr4.147619	Mom1(+47980),Ski(+88035)	N/A
Chr4	155140527	155140737	Chr4.147621	Mom1(+54055),Ski(+81960)	N/A
Chr4	155144364	155144538	Chr4.147625	Mom1(+57874),Ski(+78141)	N/A
Chr4	155155970	155156101	Chr4.147642	Ski(+66556),Mom1(+69459)	N/A
Chr4	155156249	155156408	Chr4.147648	Ski(+66263),Mom1(+69752)	N/A
Chr4	155159839	155190001	Chr4.147701	Ski(+32672),Mom1(+103343)	N/A
Chr4	155193130	155193236	Chr4.147705	Ski(+29409),Mom1(+106060)	N/A
Chr4	155220520	155220724	Chr4.147715	Ski(+1970),Mom1(+134045)	N/A
Chr4	155234006	155234168	Chr4.147719	Faap20(-15878),Ski(-11495)	N/A
Chr4	155235358	155235514	Chr4.147723	Faap20(-14530),Ski(-12944)	N/A
Chr4	155238354	155238463	Chr4.147725	Ski(-15817),Faap20(-11557)	N/A

Chr4	155345601	155345814	Chr4.147799	<i>Prkcz(+15653),Faap20(+95742)</i>	N/A
Chr4	155466203	155466203	Chr4.147982	<i>Tmem52(-2979)</i>	N/A
Chr4	6888272	6888479	Chr4.1485	<i>Nsmf(-234105),Tox(-302423)</i>	N/A
Chr4	155775395	155775495	Chr4.148527	<i>Vwa1(-147)</i>	N/A
Chr4	155775529	155775689	Chr4.148530	<i>Vwa1(-911)</i>	N/A
Chr4	156055663	156055776	Chr4.149285	<i>Tll10(-4903)</i>	N/A
Chr4	156059831	156059968	Chr4.149294	<i>9430015g10rk(-50098),Tll10(-9083)</i>	N/A
Chr4	156084282	156084407	Chr4.149299	<i>Tll10(-33528),9430015g10rk(-25653)</i>	N/A
Chr4	156177765	156177914	Chr4.149530	<i>Agri(+19648),9430015g10rk(+67842)</i>	N/A
Chr4	156185541	156185689	Chr4.149560	<i>Agri(+11868),9430015g10rk(+79522)</i>	N/A
Chr4	23982812	23982941	Chr4.14964	<i>Mms22(-513574)</i>	N/A
Chr4	23983134	23983268	Chr4.14969	<i>Mms22(-513250)</i>	N/A
Chr4	156246913	156247021	Chr4.149850	<i>Samd11(+8371),Noc2l(+10957)</i>	N/A
Chr4	24544309	24545117	Chr4.15365	<i>Mms22(+48262),Kih32(+306411)</i>	N/A
Chr4	24550554	24558616	Chr4.15380	<i>Mms22(+59894),Kih32(-294789)</i>	N/A
Chr4	24621511	24621765	Chr4.15474	<i>Mms22(+125187),Kih32(+229496)</i>	N/A
Chr4	24632120	24631722	Chr4.15493	<i>Mms22(+135015),Kih32(+219658)</i>	N/A
Chr4	6717768	6718308	Chr4.1563	<i>Nsmf(-263767),Tox(+272761)</i>	N/A
Chr4	6718712	6719045	Chr4.1570	<i>Nsmf(-264608),Tox(+271920)</i>	N/A
Chr4	24850524	24850601	Chr4.15735	<i>Kih32(+611)</i>	N/A
Chr4	24850663	24850884	Chr4.15737	<i>Kih32(+350)</i>	N/A
Chr4	6719089	6719218	Chr4.1574	<i>Nsmf(-264883),Tox(+271645)</i>	N/A
Chr4	6731254	6731480	Chr4.1594	<i>Nsmf(-277096),Tox(+259432)</i>	N/A
Chr4	6731540	6731675	Chr4.1596	<i>Nsmf(-277337),Tox(+259191)</i>	N/A
Chr4	25408808	254090016	Chr4.16070	<i>Uff1(-127091),Fut9(-391234)</i>	N/A
Chr4	26276410	26272673	Chr4.16285	<i>Fut9(-476348),Manea(-703969)</i>	N/A
Chr4	6749542	6749703	Chr4.1641	<i>Nsmf(-295352),Tox(+241176)</i>	N/A
Chr4	26766490	26766675	Chr4.16435	<i>Manea(-419692)</i>	N/A
Chr4	26888616	26888894	Chr4.16500	<i>Manea(-541864)</i>	N/A
Chr4	6792860	6793024	Chr4.1713	<i>Nsmf(-338671),Tox(+197857)</i>	N/A
Chr4	28299101	28299218	Chr4.17205	<i>Epha7(-513973)</i>	N/A
Chr4	28549438	28549607	Chr4.17354	<i>Epha7(-264563)</i>	N/A
Chr4	28812919	28813167	Chr4.17536	<i>Epha7(-88)</i>	N/A
Chr4	28814272	28814377	Chr4.17550	<i>Epha7(+1194)</i>	N/A
Chr4	28824798	28824960	Chr4.17579	<i>Epha7(+11748)</i>	N/A
Chr4	28840050	28840245	Chr4.17605	<i>Epha7(+27017)</i>	N/A
Chr4	6816252	6817022	Chr4.1763	<i>Nsmf(-362368),Tox(+174162)</i>	N/A
Chr4	28863045	28863345	Chr4.17632	<i>Epha7(+50064)</i>	N/A
Chr4	28863395	28863562	Chr4.17635	<i>Epha7(+50348)</i>	N/A
Chr4	6817063	6817179	Chr4.1769	<i>Nsmf(-362850),Tox(+173678)</i>	N/A
Chr4	6824197	6824504	Chr4.1788	<i>Nsmf(-370080),Tox(+166448)</i>	N/A
Chr4	29068755	29069024	Chr4.17902	<i>Epha7(-255758)</i>	N/A
Chr4	29118715	29119174	Chr4.17966	<i>Epha7(-305814)</i>	N/A
Chr4	29119812	29120114	Chr4.17973	<i>Epha7(-306832)</i>	N/A
Chr4	29133539	29133916	Chr4.17991	<i>Epha7(+320597)</i>	N/A
Chr4	29282348	29282487	Chr4.18129	<i>Epha7(+469278)</i>	N/A
Chr4	29282562	29282776	Chr4.18131	<i>Epha7(+469538)</i>	N/A
Chr4	6835273	6835509	Chr4.1816	<i>Nsmf(-381120),Tox(+155408)</i>	N/A
Chr4	29305466	29305646	Chr4.18180	<i>Epha7(-492435)</i>	N/A
Chr4	6835800	6836220	Chr4.1821	<i>Nsmf(-381739),Tox(+154789)</i>	N/A
Chr4	6839760	6840342	Chr4.1825	<i>Nsmf(-385780),Tox(+150748)</i>	N/A
Chr4	29402428	29402613	Chr4.18254	<i>Epha7(+589390)</i>	N/A
Chr4	29409500	29481688	Chr4.18336	<i>Epha7(+668189)</i>	N/A
Chr4	6840751	6841145	Chr4.1835	<i>Nsmf(-386671),Tox(+149651)</i>	N/A
Chr4	6841732	6841870	Chr4.1838	<i>Nsmf(-387530),Tox(+148998)</i>	N/A
Chr4	29547234	29547362	Chr4.18387	<i>Epha7(+734167)</i>	N/A
Chr4	6841963	6842429	Chr4.1842	<i>Nsmf(-387925),Tox(+148603)</i>	N/A
Chr4	6842520	6842806	Chr4.1843	<i>Nsmf(-388392),Tox(+148136)</i>	N/A
Chr4	29732523	29732940	Chr4.18482	<i>Epha7(+919601)</i>	N/A
Chr4	6843986	6844114	Chr4.1849	<i>Nsmf(-389779),Tox(+146749)</i>	N/A
Chr4	29824165	29824272	Chr4.18544	<i>None</i>	N/A
Chr4	29858315	29858423	Chr4.18567	<i>None</i>	N/A
Chr4	29858523	29858838	Chr4.18569	<i>None</i>	N/A
Chr4	6856979	6857151	Chr4.1857	<i>Nsmf(-402794),Tox(+133734)</i>	N/A
Chr4	30216072	30216511	Chr4.18747	<i>None</i>	N/A
Chr4	30776044	30776373	Chr4.19217	<i>None</i>	N/A
Chr4	30777045	30777470	Chr4.19222	<i>None</i>	N/A
Chr4	30790044	30790194	Chr4.19247	<i>None</i>	N/A
Chr4	30790227	30790332	Chr4.19250	<i>None</i>	N/A
Chr4	30790467	30790763	Chr4.19252	<i>None</i>	N/A
Chr4	31072827	31072820	Chr4.19432	<i>Map3k7(-891373)</i>	N/A
Chr4	31227664	31227796	Chr4.19550	<i>Map3k7(-736367)</i>	N/A
Chr4	6903613	6903806	Chr4.1959	<i>Nsmf(-449439),Tox(+87089)</i>	N/A
Chr4	31301408	31301723	Chr4.19622	<i>Map3k7(-662531)</i>	N/A
Chr4	31319129	31319250	Chr4.19664	<i>Map3k7(-644907)</i>	N/A
Chr4	31326231	31326347	Chr4.19691	<i>Map3k7(-637808)</i>	N/A
Chr4	3775599	3776072	Chr4.197	<i>Rps20(+59649),Lyn(+97901)</i>	N/A
Chr4	31328923	31329113	Chr4.19711	<i>Map3k7(-635079)</i>	N/A
Chr4	31404200	31404382	Chr4.19838	<i>Map3k7(-559806)</i>	N/A
Chr4	31404876	31405162	Chr4.19841	<i>Map3k7(-559078)</i>	N/A
Chr4	31408476	31408763	Chr4.19849	<i>Map3k7(-555487)</i>	N/A
Chr4	31525498	31525590	Chr4.20031	<i>Map3k7(-438558)</i>	N/A
Chr4	31525923	31526079	Chr4.20033	<i>Map3k7(-438096)</i>	N/A
Chr4	6923025	6923133	Chr4.2008	<i>Nsmf(-468808),Tox(+67720)</i>	N/A
Chr4	31611514	31611791	Chr4.20153	<i>Map3k7(-352444)</i>	N/A
Chr4	31612193	31613304	Chr4.20158	<i>Map3k7(-351348)</i>	N/A
Chr4	31617889	31618325	Chr4.20172	<i>Map3k7(-346040)</i>	N/A
Chr4	6926045	6926426	Chr4.2019	<i>Nsmf(-471965),Tox(+64563)</i>	N/A
Chr4	31661000	31661174	Chr4.20261	<i>Map3k7(-303010)</i>	N/A
Chr4	31661211	31661397	Chr4.20263	<i>Map3k7(-302793)</i>	N/A
Chr4	6933034	6933329	Chr4.2037	<i>Nsmf(-478911),Tox(+57617)</i>	N/A
Chr4	31755941	31756320	Chr4.20421	<i>Map3k7(-207966)</i>	N/A
Chr4	31769242	31769438	Chr4.20456	<i>Map3k7(-195757)</i>	N/A
Chr4	31820003	31820257	Chr4.20485	<i>Map3k7(-143967)</i>	N/A
Chr4	31823118	31823306	Chr4.20498	<i>Map3k7(-140884)</i>	N/A
Chr4	31823586	31823871	Chr4.20505	<i>Map3k7(-140368)</i>	N/A
Chr4	31824531	31824657	Chr4.20507	<i>Map3k7(-139503)</i>	N/A
Chr4	31830384	31830831	Chr4.20514	<i>Map3k7(-133489)</i>	N/A
Chr4	31833767	31834105	Chr4.20521	<i>Map3k7(-130161)</i>	N/A
Chr4	31835034	31835446	Chr4.20535	<i>Map3k7(-128857)</i>	N/A
Chr4	31835629	31835788	Chr4.20542	<i>Map3k7(-128388)</i>	N/A
Chr4	31836134	31836542	Chr4.20544	<i>Map3k7(-127759)</i>	N/A
Chr4	31837226	31837431	Chr4.20550	<i>Map3k7(-126768)</i>	N/A
Chr4	31879589	31879697	Chr4.20593	<i>Map3k7(-64454)</i>	N/A
Chr4	31913934	31914114	Chr4.20637	<i>Map3k7(-50073)</i>	N/A
Chr4	31937077	31937317	Chr4.20712	<i>Map3k7(-26900)</i>	N/A
Chr4	31939626	31939761	Chr4.20721	<i>Map3k7(-24403)</i>	N/A
Chr4	32021982	32022083	Chr4.20857	<i>Bach2(-216771),Map3k7(+57936)</i>	N/A
Chr4	6958667	6958774	Chr4.2088	<i>Nsmf(-50450),Tox(-32078)</i>	N/A
Chr4	32042137	32042350	Chr4.20863	<i>Bach2(-196560),Map3k7(+78147)</i>	N/A
Chr4	32074685	32074813	Chr4.20893	<i>Bach2(-164055),Map3k7(+110652)</i>	N/A
Chr4	32074853	32074968	Chr4.20895	<i>Bach2(-163893),Map3k7(+110814)</i>	N/A
Chr4	32083469	32083635	Chr4.20900	<i>Bach2(-155252),Map3k7(+119455)</i>	N/A
Chr4	32083781	32083900	Chr4.20905	<i>Bach2(-154963),Map3k7(+119744)</i>	N/A
Chr4	69592444	6959420	Chr4.2092	<i>Nsmf(-505061),Tox(+31467)</i>	N/A
Chr4	32106570	32106772	Chr4.20920	<i>Bach2(-132133),Map3k7(+142574)</i>	N/A
Chr4	32131625	32131949	Chr4.20930	<i>Bach2(-107017),Map3k7(+167690)</i>	N/A
Chr4	32157292	32157492	Chr4.20959	<i>Bach2(-81412),Map3k7(+193295)</i>	N/A
Chr4	32162339	32162475	Chr4.20968	<i>Bach2(-76397),Map3k7(+198310)</i>	N/A
Chr4	32166347	32166437	Chr4.20978	<i>Bach2(-72425),Map3k7(+202282)</i>	N/A
Chr4	32175006	32175331	Chr4.20992	<i>Bach2(-63635),Map3k7(+211072)</i>	N/A
Chr4	32175505	32175612	Chr4.20996	<i>Bach2(-63245),Map3k7(+211462)</i>	N/A
Chr4	32175685	32175785	Chr4.21000	<i>Bach2(-63069),Map3k7(+211638)</i>	N/A
Chr4	32175928	32176071	Chr4.21004	<i>Bach2(-62804),Map3k7(+211903)</i>	N/A
Chr4	32179743	32180019	Chr4.21011	<i>Bach2(-58923),Map3k7(+215784)</i>	N/A
Chr4	32193318	32190550	Chr4.21032	<i>Bach2(-48370),Map3k7(+226337)</i>	N/A
Chr4	32210390	32210624	Chr4.21065	<i>Bach2(-28297),Map3k7(+246410)</i>	N/A
Chr4	32210691	32210831	Chr4.21069	<i>Bach2(-28043),Map3k7(+246664)</i>	N/A
Chr4	32237582	32237943	Chr4.21107	<i>Bach2(-1041)</i>	N/A
Chr4	32238591	32238707	Chr4.21111	<i>Bach2(-155)</i>	N/A
Chr4	32240292	32240788	Chr4.21115	<i>D1300621rk(-3193)</i>	N/A
Chr4	32241507	32241802	Chr4.21118	<i>D1300621rk(-2078)</i>	N/A
Chr4	32244317	32244442	Chr4.21129	<i>D1300621rk(+647)</i>	N/A
Chr4	32249225	32249432	Chr4.21142	<i>D1300621rk(+5596),Gja10(+353431)</i>	N/A
Chr4	32250706	32251008	Chr4.21149	<i>D1300621rk(+7124),Gja10(+351903)</i>	N/A
Chr4	32258097	32258378	Chr4.21169	<i>D1300621rk(+14505),Gja10(+344522)</i>	N/A
Chr4	32266552	32266768	Chr4.21181	<i>D1300621rk(+22927),Gja10(+336100)</i>	N/A
Chr4	32266799	32266908	Chr4.21184	<i>D1300621rk(+23121),Gja10(+335906)</i>	N/A

Chr4	32288337	32288535	Chr4.21199	D13006221nk(+44703),Gja10(+314324)	N/A
Chr4	32291510	32291739	Chr4.21213	D13006221nk(+47892),Gja10(+311135)	N/A
Chr4	32293580	32294031	Chr4.21218	D13006221nk(+50073),Gja10(+308954)	N/A
Chr4	32294080	32294180	Chr4.21221	D13006221nk(+50397),Gja10(+308980)	N/A
Chr4	32297270	32297520	Chr4.21230	D13006221nk(+53662),Gja10(+305365)	N/A
Chr4	6973636	6974031	Chr4.2124	Nsmef(-519563),Tax(+16965)	N/A
Chr4	32300504	32300625	Chr4.21254	D13006221nk(+62832),Gja10(+296195)	N/A
Chr4	32325962	32326301	Chr4.21288	D13006221nk(+82399),Gja10(+276628)	N/A
Chr4	32326562	32326923	Chr4.21290	D13006221nk(+83016),Gja10(+276017)	N/A
Chr4	32327825	32327988	Chr4.21301	D13006221nk(+84164),Gja10(+274863)	N/A
Chr4	32335785	32335966	Chr4.21313	D13006221nk(+92143),Gja10(+266884)	N/A
Chr4	32337051	32337189	Chr4.21317	D13006221nk(+93387),Gja10(+265640)	N/A
Chr4	32337789	32337912	Chr4.21321	D13006221nk(+94118),Gja10(+264909)	N/A
Chr4	32343379	32343550	Chr4.21331	D13006221nk(+99732),Gja10(+259295)	N/A
Chr4	32343777	32343938	Chr4.21335	D13006221nk(+100125),Gja10(+258902)	N/A
Chr4	32351195	32351536	Chr4.21338	D13006221nk(+107633),Gja10(+251394)	N/A
Chr4	32357829	32358144	Chr4.21346	D13006221nk(+114254),Gja10(+244773)	N/A
Chr4	32358375	32358575	Chr4.21353	D13006221nk(+114742),Gja10(+244285)	N/A
Chr4	32359200	32359568	Chr4.21357	D13006221nk(+115651),Gja10(+243378)	N/A
Chr4	32363728	32363938	Chr4.21364	D13006221nk(+120190),Gja10(+238927)	N/A
Chr4	32373155	32373532	Chr4.21385	D13006221nk(+129611),Gja10(+229416)	N/A
Chr4	32375074	32375291	Chr4.21388	D13006221nk(+131450),Gja10(+227577)	N/A
Chr4	32382299	32382520	Chr4.21401	D13006221nk(+138677),Gja10(+220350)	N/A
Chr4	32386624	32386787	Chr4.21407	D13006221nk(+142973),Gja10(+216054)	N/A
Chr4	32387749	32387959	Chr4.21413	D13006221nk(+144121),Gja10(+214906)	N/A
Chr4	32405102	32405495	Chr4.21436	D13006221nk(+161586),Gja10(+197461)	N/A
Chr4	32417429	32417589	Chr4.21458	D13006221nk(+173778),Gja10(+185251)	N/A
Chr4	6978570	6978900	Chr4.2147	Nsmef(-524464),Tax(+12064)	N/A
Chr4	32425665	32425812	Chr4.21477	Gja10(+177021),D13006221nk(+182006)	N/A
Chr4	6979207	6979886	Chr4.2151	Nsmef(-525277),Tax(+11251)	N/A
Chr4	32428931	32429126	Chr4.21512	Gja10(+173731),D13006221nk(+185296)	N/A
Chr4	32430679	32430912	Chr4.21516	Gja10(+171964),D13006221nk(+187063)	N/A
Chr4	32431005	32431317	Chr4.21521	Gja10(+171554),D13006221nk(+187473)	N/A
Chr4	32432235	32432586	Chr4.21528	Gja10(+170349),D13006221nk(+188678)	N/A
Chr4	32436974	32437168	Chr4.21534	Gja10(+165689),D13006221nk(+193338)	N/A
Chr4	6979931	6980520	Chr4.2155	Nsmef(-525955),Tax(+10573)	N/A
Chr4	3247158	32476307	Chr4.21557	Gja10(+124482),D13006221nk(+234545)	N/A
Chr4	32480312	32480412	Chr4.21562	Gja10(+122398),D13006221nk(+236629)	N/A
Chr4	32482820	32482962	Chr4.21566	Gja10(+119869),D13006221nk(+239158)	N/A
Chr4	32483055	32483294	Chr4.21569	Gja10(+119585),D13006221nk(+239442)	N/A
Chr4	6980676	6980830	Chr4.2157	Nsmef(-526482),Tax(+10046)	N/A
Chr4	32483380	32483583	Chr4.21571	Gja10(+119278),D13006221nk(+239749)	N/A
Chr4	32485843	32485845	Chr4.21573	Gja10(+116566),D13006221nk(+242461)	N/A
Chr4	32486721	32487041	Chr4.21584	Gja10(+115879),D13006221nk(+243148)	N/A
Chr4	32508771	32508952	Chr4.21595	Gja10(+93898),D13006221nk(+265129)	N/A
Chr4	32509243	32509472	Chr4.21599	Gja10(+93402),D13006221nk(+265625)	N/A
Chr4	32510332	32510477	Chr4.21611	Gja10(+92355),D13006221nk(+266672)	N/A
Chr4	32510513	32510639	Chr4.21615	Gja10(+92184),D13006221nk(+266870)	N/A
Chr4	32511019	32511276	Chr4.21619	Gja10(+91612),D13006221nk(+267415)	N/A
Chr4	32520753	32520857	Chr4.21623	Gja10(+81955),D13006221nk(+277072)	N/A
Chr4	32520895	32521046	Chr4.21625	Gja10(+81789),D13006221nk(+277238)	N/A
Chr4	32524401	32524611	Chr4.21636	Gja10(+78254),D13006221nk(+280773)	N/A
Chr4	32534502	32534692	Chr4.21654	Gja10(+68163),D13006221nk(+290864)	N/A
Chr4	32560746	32560866	Chr4.21686	Gja10(+41954),D13006221nk(+3170346)	N/A
Chr4	32561446	32561564	Chr4.21688	Gja10(+41255),D13006221nk(+317772)	N/A
Chr4	32570920	32571042	Chr4.21717	Gja10(+31779),D13006221nk(+327248)	N/A
Chr4	32571269	32571461	Chr4.21723	Gja10(+31395),D13006221nk(+327632)	N/A
Chr4	32576989	32577093	Chr4.21731	Gja10(+25719),D13006221nk(+333308)	N/A
Chr4	32581415	32581547	Chr4.21748	Gja10(+21279),D13006221nk(+337748)	N/A
Chr4	32583934	32584049	Chr4.21767	Gja10(+187168),D13006221nk(+340259)	N/A
Chr4	32615290	32615438	Chr4.21804	Casp8ap2(-114)	N/A
Chr4	6986890	6987368	Chr4.2181	Nsmef(-532858),Tax(+3670)	N/A
Chr4	6990094	6990264	Chr4.2201	Tax(+620)	N/A
Chr4	32633936	32634311	Chr4.22428	Lymn2(-33871),Ankrd(-89331)	N/A
Chr4	32638983	32637079	Chr4.22471	Rrag2(-46051),Ankrd(-13531)	N/A
Chr4	33132414	33132649	Chr4.22639	Gabrr1(-24)	N/A
Chr4	7104998	7105221	Chr4.2264	Tax(-114311)	N/A
Chr4	33247737	33247847	Chr4.22762	Prrc1(+718)	N/A
Chr4	33248488	33248745	Chr4.22770	Prrc1(-107)	N/A
Chr4	33290137	33290442	Chr4.22784	Prrc1(-41780),Rngt1(-20021)	N/A
Chr4	33310280	33310380	Chr4.22788	Rngt1(+19)	N/A
Chr4	33514558	33514704	Chr4.22917	Cnr1(-410001),Rngt1(+204320)	N/A
Chr4	33555840	33556017	Chr4.22963	Cnr1(-368703),Rngt1(+245618)	N/A
Chr4	33556062	33556180	Chr4.22966	Cnr1(-368511),Rngt1(+245810)	N/A
Chr4	33645335	33646464	Chr4.23054	Cnr1(-260043),Rngt1(+354278)	N/A
Chr4	33716861	33716913	Chr4.23112	Cnr1(-307845),Rngt1(+406478)	N/A
Chr4	33735000	33735149	Chr4.23135	Cnr1(-189557),Rngt1(+424764)	N/A
Chr4	33735476	33735726	Chr4.23141	Cnr1(-189031),Rngt1(+425290)	N/A
Chr4	33840066	33840353	Chr4.23280	Cnr1(-84422),Rngt1(+529899)	N/A
Chr4	33846128	33846573	Chr4.23305	Cnr1(-78281),Rngt1(+536040)	N/A
Chr4	33850217	33850508	Chr4.23321	Cnr1(-74269),Rngt1(+540052)	N/A
Chr4	33923777	33923913	Chr4.23390	Cnr1(-757)	N/A
Chr4	33924924	33925450	Chr4.23396	Cnr1(+555)	N/A
Chr4	33926155	33926344	Chr4.23408	Cnr1(+1618),Spacat1(+123941)	N/A
Chr4	33927007	33927241	Chr4.23420	Cnr1(+2492),Spacat1(+123067)	N/A
Chr4	34024372	34024547	Chr4.23610	Spacat1(+25731),Cnr1(+99828)	N/A
Chr4	34241145	34241315	Chr4.23810	Akin2(-309706),Spacat1(-191040)	N/A
Chr4	34316216	34316437	Chr4.23911	Spacat1(-266136),Akin2(-234610)	N/A
Chr4	34337787	34338002	Chr4.23944	Spacat1(-287704),Akin2(-213042)	N/A
Chr4	34371441	34371756	Chr4.23948	Spacat1(-321408),Akin2(-179338)	N/A
Chr4	34494965	34495173	Chr4.24020	Spacat1(-444878),Akin2(-55868)	N/A
Chr4	34550572	34550686	Chr4.24057	Akin2(-308)	N/A
Chr4	34551625	34551804	Chr4.24054	Akin2(-778)	N/A
Chr4	34638629	34638745	Chr4.24152	Rars2(+23730),Slc35a1(+48751)	N/A
Chr4	3860237	3860340	Chr4.244	Rps20(-24624),Mos(+11816)	N/A
Chr4	34991428	34991534	Chr4.24480	Itik(-160575),Cga(+97702)	N/A
Chr4	35006095	35006194	Chr4.24493	Itik(-145971),Cga(+112366)	N/A
Chr4	35007027	35007142	Chr4.24497	Itik(-144971),Cga(+113306)	N/A
Chr4	35031115	35031226	Chr4.24514	Itik(-120859),Cga(+137392)	N/A
Chr4	35050038	35050194	Chr4.24536	Itik(-101940),Cga(+156337)	N/A
Chr4	35068869	35069102	Chr4.24557	Itik(-83070),Cga(+175207)	N/A
Chr4	35069206	35069371	Chr4.24563	Itik(-82767),Cga(+175510)	N/A
Chr4	35100464	35100571	Chr4.24594	Itik(-51538),Cga(+206739)	N/A
Chr4	35101328	35101449	Chr4.24600	Itik(-50667),Cga(+207610)	N/A
Chr4	35125299	35125406	Chr4.24625	Itik(-26703),Cga(+231574)	N/A
Chr4	35125518	35125778	Chr4.24630	Itik(-26408),Cga(+231869)	N/A
Chr4	35173715	35173827	Chr4.24657	Mob3b(-16287),C3orf72(+52109)	N/A
Chr4	35178724	35178981	Chr4.24660	Mob3b(-21369),C3orf72(+47027)	N/A
Chr4	7392608	7392628	Chr4.2486	Tax(-401969),Car8(+846273)	N/A
Chr4	35845486	35845180	Chr4.25321	Lingo2(+121)	N/A
Chr4	35845253	35845304	Chr4.25326	Lingo2(-105)	N/A
Chr4	7454525	7454667	Chr4.2541	Tax(-463797),Car8(+784445)	N/A
Chr4	7454845	7455113	Chr4.2546	Tax(-464180),Car8(+784062)	N/A
Chr4	7456276	7455407	Chr4.2552	Tax(-464543),Car8(+783699)	N/A
Chr4	36059636	36059657	Chr4.25568	Lingo2(-211543)	N/A
Chr4	36288831	36288696	Chr4.25747	Lingo2(-443695)	N/A
Chr4	36289898	36289251	Chr4.25748	Lingo2(-443921)	N/A
Chr4	7559893	7560068	Chr4.2580	Tax(-569182),Car8(+679060)	N/A
Chr4	7560123	7560365	Chr4.2582	Tax(-569445),Car8(+678797)	N/A
Chr4	7560424	7560870	Chr4.2583	Tax(-569948),Car8(+678394)	N/A
Chr4	36952311	36952422	Chr4.26161	None	N/A
Chr4	37034309	37034486	Chr4.26203	None	N/A
Chr4	37387140	37387423	Chr4.26257	None	N/A
Chr4	39150176	39150318	Chr4.26526	1700009n14nk(-300048)	N/A
Chr4	7643213	7643451	Chr4.2688	Tax(-852633),Car8(+995709)	N/A
Chr4	7667012	7667404	Chr4.2691	Tax(-676409),Car8(+571833)	N/A
Chr4	7667650	7667946	Chr4.2697	Tax(-676999),Car8(+571243)	N/A
Chr4	40301418	40301594	Chr4.27154	Tmem215(-170674),Ndufb6(-22085)	N/A
Chr4	40385416	40385575	Chr4.27220	Ndufb6(-106075),Tmem215(-86684)	N/A
Chr4	40587371	40587535	Chr4.27359	Tmem215(+115273),Aptx(+115461)	N/A
Chr4	40722416	40722568	Chr4.27404	Dnaja1(-430)	N/A
Chr4	40782124	40782234	Chr4.27469	Smu1(-24256),B4gal1(+71826)	N/A
Chr4	40818224	40818389	Chr4.27502	Smu1(-60384),B4gal1(+35698)	N/A
Chr4	40828953	40829188	Chr4.27517	Smu1(-71148),B4gal1(+24934)	N/A
Chr4	40851218	40851350	Chr4.27534	Smu1(-93361),B4gal1(+2721)	N/A
Chr4	40874015	40874240	Chr4.27542	Spin4(-45924),B4gal1(-20123)	N/A
Chr4	40877204	40877451	Chr4.27546	Spin4(-42724),B4gal1(-23323)	N/A
Chr4	40970954	40971062	Chr4.27607	Nfx1(+102)	N/A

Chr4	41056936	41057061	Chr4.27746	Aqp7(-8860), Aqp3(+41184)	N/A
Chr4	41057584	41057696	Chr4.27749	Aqp7(-9501), Aqp3(+40543)	N/A
Chr4	7829452	7829623	Chr4.2775	Tox(-838739), Car8(+409503)	N/A
Chr4	41064291	41064413	Chr4.27754	Aqp7(-16213), Aqp3(+33531)	N/A
Chr4	41116907	41117045	Chr4.27848	Aqp3(-18793), Ndc5(+7479)	N/A
Chr4	41137351	41137558	Chr4.27954	Ube2(2)(+1712), Ubp2(+137680)	N/A
Chr4	41174611	41174756	Chr4.27959	Ube2(2)(+38941), Ubp2(+100451)	N/A
Chr4	41191382	41191589	Chr4.27973	Ube2(2)(+55743), Ubp2(+83649)	N/A
Chr4	41191817	41191923	Chr4.27976	Ube2(2)(+56127), Ubp2(+83268)	N/A
Chr4	41193225	41193415	Chr4.27984	Ube2(2)(+57577), Ubp2(+81819)	N/A
Chr4	41257860	41257964	Chr4.28079	Ubp2(+17223), Ube2(2)(+122169)	N/A
Chr4	41272696	41272895	Chr4.28082	Ubp2(+2339), Ube2(2)(+137053)	N/A
Chr4	41274656	41274777	Chr4.28085	Ubp2(+418)	N/A
Chr4	41289952	41290088	Chr4.28100	Ubp2(-14885), Dcaf12(+24869)	N/A
Chr4	41292635	41292783	Chr4.28112	Ubp2(+17574), Dcaf12(+22180)	N/A
Chr4	41316464	41316580	Chr4.28139	Dcaf12(-1633)	N/A
Chr4	41348940	41349284	Chr4.28147	Ubp1(+116)	N/A
Chr4	41388866	41389113	Chr4.28182	Ubp1(+39994), Klf2(+75850)	N/A
Chr4	41429260	41429471	Chr4.28288	Klf2(+35474), Ubp1(+80370)	N/A
Chr4	41470682	41471059	Chr4.28307	Nudt2(-57238), Myorg(-32205)	N/A
Chr4	41479489	41479705	Chr4.28316	Nudt2(+14446), Myorg(+23479)	N/A
Chr4	41481525	41482065	Chr4.28330	Nudt2(+16644), Myorg(+21281)	N/A
Chr4	41524209	41524431	Chr4.28480	1110017d15rik(-6987), Fam219a(+45217)	N/A
Chr4	41542300	41542542	Chr4.28498	1110017d15rik(-25088), Fam219a(+27116)	N/A
Chr4	41568343	41568477	Chr4.28535	Dnaic1(-1365), Fam219a(+1127)	N/A
Chr4	41575970	41576154	Chr4.28553	Dnaic1(+6267), Enhc(+64262)	N/A
Chr4	41593785	41593930	Chr4.28560	Dnaic1(+24083), Enhc(+46466)	N/A
Chr4	41612072	41612322	Chr4.28596	Enhc(+28127), Dnaic1(+24242)	N/A
Chr4	41615697	41615822	Chr4.28608	Enhc(+24564), Dnaic1(+45985)	N/A
Chr4	41615866	41616133	Chr4.28612	Enhc(+24324), Dnaic1(+46229)	N/A
Chr4	41628270	41628421	Chr4.28627	Enhc(+11978), Dnaic1(+58571)	N/A
Chr4	41628652	41628852	Chr4.28633	Enhc(+11533), Dnaic1(+59028)	N/A
Chr4	41628999	41629107	Chr4.28635	Enhc(+11271), Dnaic1(+59278)	N/A
Chr4	41631444	41631610	Chr4.28648	Enhc(+8797), Dnaic1(+61752)	N/A
Chr4	41655639	41655777	Chr4.28690	Enhc(-15384), Crtf(+39734)	N/A
Chr4	41657658	41657884	Chr4.28693	Enhc(-17447), Crtf(+37671)	N/A
Chr4	41659007	41659114	Chr4.28696	Enhc(-17377), Crtf(+37381)	N/A
Chr4	41659655	41659899	Chr4.28713	Enhc(-19453), Crtf(+35665)	N/A
Chr4	41660952	41661204	Chr4.28720	Enhc(-20754), Crtf(+34364)	N/A
Chr4	41663798	41663964	Chr4.28739	Enhc(-23557), Crtf(+31561)	N/A
Chr4	41664561	41664865	Chr4.28740	Enhc(-24389), Crtf(+30729)	N/A
Chr4	41665199	41665288	Chr4.28743	Enhc(-24915), Crtf(+30203)	N/A
Chr4	41665517	41665646	Chr4.28747	Enhc(-25258), Crtf(+29860)	N/A
Chr4	41666637	41666908	Chr4.28751	Enhc(-26449), Crtf(+28669)	N/A
Chr4	41671794	41671963	Chr4.28762	Enhc(-31555), Crtf(+23563)	N/A
Chr4	41672170	41672301	Chr4.28765	Enhc(-31912), Crtf(+23206)	N/A
Chr4	41672488	41672689	Chr4.28769	Enhc(-32265), Crtf(+22853)	N/A
Chr4	41673225	41673529	Chr4.28770	Enhc(-33053), Crtf(+22065)	N/A
Chr4	41677422	41677610	Chr4.28782	Enhc(-37192), Crtf(+17926)	N/A
Chr4	41679415	41679583	Chr4.28786	Enhc(-39175), Crtf(+15943)	N/A
Chr4	41679924	41680249	Chr4.28790	Enhc(-39763), Crtf(+15355)	N/A
Chr4	41684940	41685156	Chr4.28803	Enhc(-44724), Crtf(+10394)	N/A
Chr4	41704291	41704484	Chr4.28861	Crtf(-8946), Rpp25(+9146)	N/A
Chr4	41707132	41707258	Chr4.28878	Crtf(-11753), Rpp25(+6339)	N/A
Chr4	41716901	41717069	Chr4.28896	Rpp25(-3451)	N/A
Chr4	41723170	41723306	Chr4.28908	Dcn3(-68)	N/A
Chr4	41726969	41727124	Chr4.28937	Dcn3(-3877)	N/A
Chr4	7970277	7970442	Chr4.2901	Tox(-979561), Car8(+268881)	N/A
Chr4	41759252	41759421	Chr4.29014	Il11ra1(-839)	N/A
Chr4	41760353	41760500	Chr4.29019	Il11ra1(+231)	N/A
Chr4	41762272	41762457	Chr4.29027	Il11ra1(+2169), Ccl27a(+11732)	N/A
Chr4	41762769	41763017	Chr4.29031	Il11ra1(+2697), Ccl27a(+11204)	N/A
Chr4	42948854	42947028	Chr4.29272	Dnajb5(-3455)	N/A
Chr4	42948830	42948770	Chr4.29283	Dnajb5(-1696)	N/A
Chr4	42949442	42949554	Chr4.29286	Dnajb5(-998)	N/A
Chr4	42949592	42950014	Chr4.29288	Dnajb5(-593)	N/A
Chr4	42950337	42950503	Chr4.29298	Dnajb5(+24)	N/A
Chr4	42950684	42950970	Chr4.29301	Dnajb5(+431)	N/A
Chr4	42951667	42951929	Chr4.29306	170002211rik(-18148), Dnajb5(+1402)	N/A
Chr4	42952438	42952581	Chr4.29311	170002211rik(-17438), Dnajb5(+2114)	N/A
Chr4	42953820	42954107	Chr4.29326	170002211rik(+15962), Dnajb5(+5680)	N/A
Chr4	42957671	42957898	Chr4.29356	170002211rik(-12161), Dnajb5(+7389)	N/A
Chr4	42958340	42958493	Chr4.29360	170002211rik(-11529), Dnajb5(+8021)	N/A
Chr4	42958561	42958730	Chr4.29361	170002211rik(-11300), Dnajb5(+8250)	N/A
Chr4	43000207	43000332	Chr4.29414	Vcpa(+237)	N/A
Chr4	43003405	43003672	Chr4.29416	Vcpa(-32)	N/A
Chr4	43031742	43031893	Chr4.29554	Stom2(-108)	N/A
Chr4	43032501	43032789	Chr4.29559	Stom2(-935)	N/A
Chr4	43039236	43039488	Chr4.29596	Fam214b(+926)	N/A
Chr4	43040062	43040304	Chr4.29598	Fam214b(+105)	N/A
Chr4	43041020	43041146	Chr4.29608	Fam214b(-797)	N/A
Chr4	43044066	43044305	Chr4.29612	Fam214b(-3899)	N/A
Chr4	43044737	43044887	Chr4.29616	Fam214b(-4524)	N/A
Chr4	43046098	43046260	Chr4.29625	Unc13b(-12894), Fam214b(-5891)	N/A
Chr4	43204792	43204929	Chr4.29836	Atp8b5(-62309), Unc13b(+145788)	N/A
Chr4	43207059	43207357	Chr4.29847	Atp8b5(-59962), Unc13b(+148135)	N/A
Chr4	43209156	43209467	Chr4.29851	Atp8b5(-57858), Unc13b(+150239)	N/A
Chr4	43209567	43209903	Chr4.29857	Atp8b5(-57435), Unc13b(+150662)	N/A
Chr4	43249623	43249754	Chr4.29979	Atp8b5(-17481), Unc13b(+190616)	N/A
Chr4	43384153	43384266	Chr4.30179	Rusc2(-22225), Atp8b5(+117040)	N/A
Chr4	43394527	43394735	Chr4.30183	Rusc2(-11804), Atp8b5(+127461)	N/A
Chr4	43398975	43398832	Chr4.30189	Rusc2(-7681), Atp8b5(+131584)	N/A
Chr4	43399764	43400361	Chr4.30196	Rusc2(-6512), Atp8b5(+132753)	N/A
Chr4	43402290	43402428	Chr4.30203	Rusc2(-4076)	N/A
Chr4	43406119	43406281	Chr4.30209	Rusc2(-235)	N/A
Chr4	43406385	43406510	Chr4.30211	Rusc2(+13)	N/A
Chr4	43406544	43406771	Chr4.30213	Rusc2(+223)	N/A
Chr4	43447881	43447808	Chr4.30351	Tsk1(+45906), Ccl72(+6883)	N/A
Chr4	43492779	43492917	Chr4.30394	Ccdc107(-514)	N/A
Chr4	43492954	43493055	Chr4.30400	Ccdc107(-357)	N/A
Chr4	43521635	43521806	Chr4.30525	Tpm2(+1667), Car9(+14755)	N/A
Chr4	43522101	43522252	Chr4.30527	Tpm2(+1211), Car9(+15211)	N/A
Chr4	43548616	43548757	Chr4.30707	Tpm2(-25299), Creb3(-13645)	N/A
Chr4	43558712	43558855	Chr4.30767	Creb3(-3548)	N/A
Chr4	43560450	43560622	Chr4.30770	Creb3(-1796)	N/A
Chr4	43562178	43562389	Chr4.30778	Creb3(-48), Tint1(+138)	N/A
Chr4	3895923	3896057	Chr4.308	Mos(-23885), Plag1(+42392)	N/A
Chr4	43584719	43584841	Chr4.30932	Msmpl(-286)	N/A
Chr4	43586521	43586730	Chr4.30935	Msmpl(-2182)	N/A
Chr4	4359167	43593533	Chr4.31081	Fam221b(-119), Tmem8b(+289)	N/A
Chr4	43673274	43673393	Chr4.31093	Fam221b(-4193)	N/A
Chr4	43878484	43878672	Chr4.31445	Glipr2(-78823), Reck(+3048)	N/A
Chr4	43885226	43885438	Chr4.31457	Glipr2(-72069), Reck(+9802)	N/A
Chr4	43958044	43958173	Chr4.31548	Glipr2(+708)	N/A
Chr4	43978284	43978421	Chr4.31584	Ccni(-5151), Glipr2(+20952)	N/A
Chr4	43978732	43978869	Chr4.31589	Ccni(-4703)	N/A
Chr4	44012540	44012662	Chr4.31625	Ctla(-77)	N/A
Chr4	44028607	44028733	Chr4.31646	Ctla(+15992), Gne(+55507)	N/A
Chr4	44224092	44224366	Chr4.31781	Melk(-76647), Rnf38(-56621)	N/A
Chr4	44231949	44232066	Chr4.31792	Melk(-68669), Rnf38(-64400)	N/A
Chr4	44247617	44247802	Chr4.31799	Rnf38(-90132), Melk(-53135)	N/A
Chr4	8381571	8381743	Chr4.3186	Rab2a(-153987), Car8(-142616)	N/A
Chr4	8381820	8382097	Chr4.3193	Rab2a(-153685), Car8(-142918)	N/A
Chr4	44425333	44425578	Chr4.31931	Melk(+124580), Pax5(+285990)	N/A
Chr4	44502417	44502776	Chr4.32026	Melk(+201721), Pax5(+208949)	N/A
Chr4	44508567	44509729	Chr4.32033	Pax5(+202798), Melk(+207772)	N/A
Chr4	44518949	44519154	Chr4.32047	Pax5(+192394), Melk(+218176)	N/A
Chr4	8536820	8536970	Chr4.3209	Chd7(-154470), Rab2a(+1251)	N/A
Chr4	44545700	44545959	Chr4.32098	Pax5(+165616), Melk(+244954)	N/A
Chr4	44558271	44558667	Chr4.32108	Pax5(+152977), Melk(+257593)	N/A
Chr4	44602545	44602661	Chr4.32152	Pax5(+108693), Melk(+301877)	N/A
Chr4	44643764	44643898	Chr4.32189	Pax5(+57615), Melk(+342555)	N/A
Chr4	44646252	44646385	Chr4.32224	Pax5(+47127), Melk(+363443)	N/A
Chr4	44673814	44674038	Chr4.32240	Pax5(+37520), Melk(+373050)	N/A
Chr4	44703308	44703447	Chr4.32316	Pax5(+8068), Melk(+402502)	N/A
Chr4	44711808	44712083	Chr4.32338	Pax5(-500)	N/A
Chr4	8605414	8606063	Chr4.32337	Chd7(-85666), Rab2a(+70095)	N/A
Chr4	44756559	44756715	Chr4.32389	Zcchc7(+69)	N/A

Chr4	44841008	44841305	Chr4.32529	Ghpr(-140238),Zcch7(+84589)	N/A
Chr4	44905461	44906568	Chr4.32604	Ghpr(-75380),Zcch7(+149447)	N/A
Chr4	8698671	8698833	Chr4.3263	Chd7(-1613)	N/A
Chr4	8692652	8692190	Chr4.3266	Chd7(+756)	N/A
Chr4	44938782	44938901	Chr4.32677	Ghpr(-42553),Zcch7(+182274)	N/A
Chr4	44939943	44940050	Chr4.32681	Ghpr(-41398),Zcch7(+183429)	N/A
Chr4	8692905	8693027	Chr4.3273	Clvs1(-576351),Chd7(+1601)	N/A
Chr4	4491239	44991525	Chr4.32748	Ghpr(+9987),Zbtb5(+21030)	N/A
Chr4	45012166	45012357	Chr4.32811	1700056d18w(-568),Zbtb5(+150)	N/A
Chr4	45012479	45012601	Chr4.32815	1700056d18w(-390),Zbtb5(-128)	N/A
Chr4	8707704	8707863	Chr4.3282	Clvs1(-561533),Chd7(+16419)	N/A
Chr4	45083563	45083697	Chr4.32937	Fbxo10(+974)	N/A
Chr4	45143232	45143458	Chr4.32980	Fmpd1(-60580),Tomm5(-35237)	N/A
Chr4	45190897	45190996	Chr4.33007	Tomm5(-82839),Fmpd1(-12978)	N/A
Chr4	45244241	45244241	Chr4.33056	Tmm10a(-52938),Fmpd1(+40264)	N/A
Chr4	8750817	8751240	Chr4.3314	Clvs1(-518298),Chd7(+59664)	N/A
Chr4	45421154	45421339	Chr4.33309	Slc25a51(-12481),Shb(+109083)	N/A
Chr4	45427179	45427344	Chr4.33325	Slc25a51(-18496),Shb(+103068)	N/A
Chr4	45439477	45439619	Chr4.33343	Slc25a51(-30782),Shb(+90782)	N/A
Chr4	45453459	45453459	Chr4.33364	Slc25a51(-44639),Shb(+76929)	N/A
Chr4	45473190	45473307	Chr4.33399	Slc25a51(-44463),Shb(+57081)	N/A
Chr4	45478334	45478454	Chr4.33407	Slc25a51(-69628),Shb(+51936)	N/A
Chr4	45483841	45483981	Chr4.33411	Slc25a51(-75145),Shb(+46419)	N/A
Chr4	45490612	45490732	Chr4.33428	Slc25a51(-81906),Shb(+39658)	N/A
Chr4	45491086	45491412	Chr4.33432	Slc25a51(-82483),Shb(+39081)	N/A
Chr4	45495575	45495676	Chr4.33444	Slc25a51(-86960),Shb(+4704)	N/A
Chr4	45503935	45504109	Chr4.33460	Slc25a51(-95256),Shb(+26308)	N/A
Chr4	45508563	45508688	Chr4.33470	Slc25a51(-99860),Shb(+21704)	N/A
Chr4	45510296	45510566	Chr4.33475	Slc25a51(-101665),Shb(+19899)	N/A
Chr4	45520572	45520788	Chr4.33496	Slc25a51(-111904),Shb(+9660)	N/A
Chr4	45532446	45532446	Chr4.33515	Shb(-2066)	N/A
Chr4	45532765	45533068	Chr4.33520	Shb(-2586)	N/A
Chr4	45551970	45552140	Chr4.33531	Aldh1b1(-246967),Shb(-21725)	N/A
Chr4	45575028	45575179	Chr4.33549	Aldh1b1(-223918),Shb(-44774)	N/A
Chr4	45577133	45577474	Chr4.33555	Aldh1b1(-221718),Shb(-46974)	N/A
Chr4	45617236	45617358	Chr4.33577	Aldh1b1(-181725),Shb(-66967)	N/A
Chr4	45635858	45635858	Chr4.33591	Aldh1b1(-160355),Shb(-108337)	N/A
Chr4	8789138	8789300	Chr4.3360	Clvs1(-480098),Chd7(+97854)	N/A
Chr4	45654391	45654543	Chr4.33605	Aldh1b1(-144555),Shb(-124137)	N/A
Chr4	45689961	45690084	Chr4.33627	Shb(-159693),Aldh1b1(-108999)	N/A
Chr4	8799269	8799373	Chr4.3364	Clvs1(-469996),Chd7(+107956)	N/A
Chr4	45713943	45714087	Chr4.33645	Shb(-183690),Aldh1b1(-85002)	N/A
Chr4	45714135	45714288	Chr4.33646	Shb(-183681),Aldh1b1(-84614)	N/A
Chr4	45724091	45724244	Chr4.33652	Shb(-193838),Aldh1b1(-74854)	N/A
Chr4	45725473	45725651	Chr4.33658	Shb(-195232),Aldh1b1(-73460)	N/A
Chr4	8799434	8799568	Chr4.3366	Clvs1(-469816),Chd7(+108136)	N/A
Chr4	45729993	45730234	Chr4.33670	Shb(-199784),Aldh1b1(-68908)	N/A
Chr4	45736385	45737025	Chr4.33676	Shb(-206225),Aldh1b1(-62467)	N/A
Chr4	45756048	45756186	Chr4.33699	Shb(-226787),Aldh1b1(-42905)	N/A
Chr4	45758366	45758476	Chr4.33704	Shb(-228091),Aldh1b1(-40601)	N/A
Chr4	45759486	45759620	Chr4.33709	Shb(-229223),Aldh1b1(-39469)	N/A
Chr4	45763857	45764173	Chr4.33713	Shb(-233685),Aldh1b1(-35007)	N/A
Chr4	45766014	45766120	Chr4.33717	Shb(-235371),Aldh1b1(-32955)	N/A
Chr4	45767911	45768072	Chr4.33720	Shb(-237662),Aldh1b1(-31030)	N/A
Chr4	45823358	45823497	Chr4.33820	Igfbpl1(+3495),Aldh1b1(+24406)	N/A
Chr4	45824196	45824306	Chr4.33823	Igfbpl1(+2672),Aldh1b1(+25229)	N/A
Chr4	45824606	45824722	Chr4.33827	Igfbpl1(+2259),Aldh1b1(+25642)	N/A
Chr4	8810539	8810639	Chr4.3397	Clvs1(-458728),Chd7(+119224)	N/A
Chr4	8810788	8811238	Chr4.3401	Clvs1(-458304),Chd7(+119646)	N/A
Chr4	46041907	46042099	Chr4.34121	Tmod1(-3206),Tatd2(+96472)	N/A
Chr4	46066059	46066234	Chr4.34142	Tmod1(+27212),Tatd2(+73238)	N/A
Chr4	46114440	46114656	Chr4.34210	Tatd2(-23927),Tmod1(+75613)	N/A
Chr4	46119455	46119581	Chr4.34233	Tatd2(-18957),Tmod1(+80583)	N/A
Chr4	46202802	46203021	Chr4.34329	Foxe1(-140697),Xpai(-6601)	N/A
Chr4	46227284	46227395	Chr4.34349	Foxe1(-116269),Xpai(-31029)	N/A
Chr4	46256635	46256914	Chr4.34358	Foxe1(-86834),Xpai(-60454)	N/A
Chr4	46276758	46276918	Chr4.34380	Xpai(-80527),Foxe1(-66771)	N/A
Chr4	46277166	46277395	Chr4.34384	Xpai(-80970),Foxe1(-66328)	N/A
Chr4	46348066	46348215	Chr4.34430	Foxe1(+4532),Tmod1(+41282)	N/A
Chr4	46448987	46449300	Chr4.34527	Anp32b(1753)	N/A
Chr4	46604172	46604281	Chr4.34705	Coro3a(2025)	N/A
Chr4	8850250	8850591	Chr4.3475	Clvs1(-418896),Chd7(+159056)	N/A
Chr4	8851243	8852067	Chr4.3480	Clvs1(-417662),Chd7(+160290)	N/A
Chr4	46663129	46663322	Chr4.34805	Tbc1d2(-13017),Gabb2(-328647)	N/A
Chr4	46664074	46664201	Chr4.34813	Tbc1d2(-13929),Gabb2(+327739)	N/A
Chr4	46664301	46664483	Chr4.34816	Tbc1d2(-14183),Gabb2(+327739)	N/A
Chr4	46729820	46729958	Chr4.34876	Tbc1d2(-79680),Gabb2(-261984)	N/A
Chr4	46731744	46731888	Chr4.34879	Tbc1d2(-81607),Gabb2(+260057)	N/A
Chr4	46747276	46747439	Chr4.34903	Tbc1d2(-97149),Gabb2(+244515)	N/A
Chr4	46784282	46784393	Chr4.34944	Tbc1d2(-134129),Gabb2(+207535)	N/A
Chr4	46805296	46805393	Chr4.34966	Tbc1d2(-155131),Gabb2(-186533)	N/A
Chr4	46826129	46826359	Chr4.34986	Tbc1d2(-170035),Gabb2(-163624)	N/A
Chr4	46854906	46855139	Chr4.35005	Tbc1d2(-204814),Gabb2(+136850)	N/A
Chr4	47011016	47011165	Chr4.35141	Gabb2(-19218),Anks6(+46215)	N/A
Chr4	47035773	47035929	Chr4.35179	Gabb2(-43978),Anks6(+21455)	N/A
Chr4	47132515	47132671	Chr4.35315	Col15a1(-75568),Galm12(+40684)	N/A
Chr4	47139363	47139495	Chr4.35325	Col15a1(-68732),Galm12(+47520)	N/A
Chr4	47150011	47150234	Chr4.35335	Col15a1(-58038),Galm12(-58214)	N/A
Chr4	47178481	47178647	Chr4.35349	Col15a1(-29597),Galm12(+86655)	N/A
Chr4	47178690	47178853	Chr4.35352	Col15a1(-29389),Galm12(+86863)	N/A
Chr4	47227269	47227376	Chr4.35389	Tgfb1(-125899),Col15a1(+19162)	N/A
Chr4	47227929	47228059	Chr4.35391	Tgfb1(-125228),Col15a1(+19833)	N/A
Chr4	47231467	47231569	Chr4.35394	Tgfb1(-121709),Col15a1(+23252)	N/A
Chr4	47233148	47233378	Chr4.35398	Tgfb1(-119595),Col15a1(+25102)	N/A
Chr4	47235417	47235524	Chr4.35404	Tgfb1(-117751),Col15a1(+27310)	N/A
Chr4	47237246	47237470	Chr4.35407	Tgfb1(-115864),Col15a1(+29197)	N/A
Chr4	47312786	47312953	Chr4.35562	Tgfb1(-40352),Col15a1(+104709)	N/A
Chr4	47352195	47352363	Chr4.35600	Tgfb1(-1943)	N/A
Chr4	47353953	47354110	Chr4.35601	Tgfb1(-810)	N/A
Chr4	47427804	47427910	Chr4.35681	Alp2(+46476),Tgfb1(+74635)	N/A
Chr4	47498026	47498175	Chr4.35768	N4a3(-547052),Sec61b(+23443)	N/A
Chr4	47518577	47518714	Chr4.35802	N4a3(-526507),Sec61b(+43988)	N/A
Chr4	47586978	47587107	Chr4.35855	N4a3(-458110),Sec61b(+112385)	N/A
Chr4	47587143	47587420	Chr4.35858	N4a3(-457871),Sec61b(+112624)	N/A
Chr4	47597753	47597930	Chr4.35881	N4a3(-447311),Sec61b(+123184)	N/A
Chr4	47601338	47601573	Chr4.35885	N4a3(-443697),Sec61b(+126798)	N/A
Chr4	47603808	47604041	Chr4.35889	N4a3(-441228),Sec61b(+129267)	N/A
Chr4	47610947	47611083	Chr4.35901	N4a3(-434138),Sec61b(+136357)	N/A
Chr4	47645250	47645535	Chr4.35924	N4a3(-399760),Sec61b(+170739)	N/A
Chr4	47651428	47652101	Chr4.35934	N4a3(-393398),Sec61b(+177107)	N/A
Chr4	47698631	47698884	Chr4.35986	N4a3(-346395),Sec61b(+224100)	N/A
Chr4	8906935	8907156	Chr4.3600	Clvs1(-362271),Chd7(+215681)	N/A
Chr4	47713578	47713691	Chr4.36004	N4a3(-331518),Sec61b(+238977)	N/A
Chr4	47724763	47725160	Chr4.36015	N4a3(-320191),Sec61b(+250304)	N/A
Chr4	47738920	47739112	Chr4.36038	N4a3(-306137),Sec61b(+264595)	N/A
Chr4	47740418	47740590	Chr4.36048	N4a3(-304649),Sec61b(+265846)	N/A
Chr4	8910134	8910312	Chr4.3606	Clvs1(-359094),Chd7(+218858)	N/A
Chr4	8910926	8911071	Chr4.3612	Clvs1(-358318),Chd7(+219634)	N/A
Chr4	8911810	8911977	Chr4.3619	Clvs1(-357423),Chd7(+220529)	N/A
Chr4	8912830	8913027	Chr4.3621	Clvs1(-356368),Chd7(+221564)	N/A
Chr4	8913276	8913452	Chr4.3623	Clvs1(-355933),Chd7(+221989)	N/A
Chr4	48037876	48038062	Chr4.36256	N4a3(-7194),Sec61b(+563311)	N/A
Chr4	48038529	48038629	Chr4.36258	N4a3(-6574),Sec61b(+563921)	N/A
Chr4	8913536	8913770	Chr4.3628	Clvs1(-355664),Chd7(+222288)	N/A
Chr4	48042601	48042923	Chr4.36268	N4a3(-2391)	N/A
Chr4	8913805	8914073	Chr4.3627	Clvs1(-355378),Chd7(+222574)	N/A
Chr4	48043351	48043553	Chr4.36270	N4a3(-1701)	N/A
Chr4	48044643	48044839	Chr4.36278	N4a3(-412)	N/A
Chr4	48045026	48045265	Chr4.36281	N4a3(-7)	N/A
Chr4	48045359	48045473	Chr4.36282	N4a3(+263)	N/A
Chr4	48045514	48045723	Chr4.36284	N4a3(+466)	N/A
Chr4	48045939	48046440	Chr4.36289	Stx17(-78736),N4a3(+1037)	N/A
Chr4	48047131	48047464	Chr4.36300	Stx17(-77628),N4a3(+2145)	N/A
Chr4	48048327	48048536	Chr4.36305	Stx17(-76494),N4a3(+3279)	N/A
Chr4	8919752	8919895	Chr4.3631	Clvs1(-349493),Chd7(+228459)	N/A
Chr4	8920333	8920551	Chr4.3637	Clvs1(-348875),Chd7(+229077)	N/A
Chr4	48079804	48079966	Chr4.36386	Stx17(-45141),N4a3(+34632)	N/A
Chr4	8922513	8922618	Chr4.3647	Clvs1(-346751),Chd7(+231201)	N/A

Chr4	48278888	48278894	Chr4.36579	<i>Invs(-861),Erp44(+617)</i>	N/A
Chr4	48279355	48279650	Chr4.36582	<i>Invs(-299),Erp44(+55)</i>	N/A
Chr4	8938999	8939117	Chr4.3668	<i>Cvs1(-330259),Cnd7(+247093)</i>	N/A
Chr4	8939272	8939475	Chr4.3671	<i>Cvs1(-329943),Cnd7(+248009)</i>	N/A
Chr4	8939826	8939934	Chr4.3675	<i>Cvs1(-329437),Cnd7(+248515)</i>	N/A
Chr4	48549357	48549501	Chr4.36771	<i>Tmeff1(-35745),Msand3(+8930)</i>	N/A
Chr4	48586580	48586691	Chr4.36826	<i>Cavin4(-76878),Tmeff1(+1462)</i>	N/A
Chr4	48598131	48598259	Chr4.36836	<i>Cavin4(-65319),Tmeff1(+13021)</i>	N/A
Chr4	8942889	8942988	Chr4.3686	<i>Cvs1(-326378),Cnd7(+251574)</i>	N/A
Chr4	8954007	8954768	Chr4.3698	<i>Cvs1(-314830),Cnd7(+263322)</i>	N/A
Chr4	48754828	48754936	Chr4.36988	<i>Pippr1(-304400),Cavin4(+91368)</i>	N/A
Chr4	48771054	48771175	Chr4.36999	<i>Pippr1(-288167),Cavin4(+107601)</i>	N/A
Chr4	8956363	8956619	Chr4.3713	<i>Cvs1(-312826),Cnd7(+265126)</i>	N/A
Chr4	8957115	8957288	Chr4.3718	<i>Cvs1(-312115),Cnd7(+265837)</i>	N/A
Chr4	8957817	8958010	Chr4.3724	<i>Cvs1(-311403),Cnd7(+266549)</i>	N/A
Chr4	8986991	8986880	Chr4.3726	<i>Cvs1(-282531),Cnd7(+295421)</i>	N/A
Chr4	49195484	49195644	Chr4.37346	<i>Pippr1(+136282),Acat2(+212587)</i>	N/A
Chr4	8987888	8988066	Chr4.3735	<i>Cvs1(-281350),Cnd7(+296602)</i>	N/A
Chr4	49285819	49286010	Chr4.37419	<i>Acat2(+122236),Pippr1(+226633)</i>	N/A
Chr4	9005978	9006191	Chr4.3768	<i>Cvs1(-263232),Cnd7(+314720)</i>	N/A
Chr4	9006328	9006499	Chr4.3774	<i>Cvs1(-262903),Cnd7(+315049)</i>	N/A
Chr4	49661694	49661863	Chr4.37840	<i>Pdp32(+20245),Rnf20(+29719)</i>	N/A
Chr4	9010873	9011205	Chr4.3786	<i>Cvs1(-258278),Cnd7(+319674)</i>	N/A
Chr4	9011253	9011377	Chr4.3787	<i>Cvs1(-258002),Cnd7(+319950)</i>	N/A
Chr4	9015763	9015968	Chr4.3798	<i>Cvs1(-253451),Cnd7(+324501)</i>	N/A
Chr4	9016516	9016690	Chr4.3801	<i>Cvs1(-323714),Cnd7(+325238)</i>	N/A
Chr4	9016726	9016989	Chr4.3802	<i>Cvs1(-252459),Cnd7(+325403)</i>	N/A
Chr4	49806671	49806863	Chr4.38078	<i>Pdp32(-124743),Grin3a(+38782)</i>	N/A
Chr4	9017020	9017186	Chr4.3808	<i>Cvs1(-252214),Cnd7(+325738)</i>	N/A
Chr4	49845728	49845866	Chr4.38116	<i>Grin3a(-248)</i>	N/A
Chr4	9018373	9018704	Chr4.3820	<i>Cvs1(-249778),Cnd7(+328174)</i>	N/A
Chr4	9019860	9020181	Chr4.3822	<i>Cvs1(-249248),Cnd7(+328705)</i>	N/A
Chr4	9022880	9023081	Chr4.3825	<i>Cvs1(-246336),Cnd7(+331616)</i>	N/A
Chr4	9027579	9027717	Chr4.3841	<i>Cvs1(-241669),Cnd7(+336283)</i>	N/A
Chr4	9060445	9060584	Chr4.3887	<i>Cvs1(-208802),Cnd7(+369150)</i>	N/A
Chr4	52213373	52213624	Chr4.38886	<i>Smc2(-225744),Cyc2(+996821)</i>	N/A
Chr4	52313558	52313747	Chr4.38957	<i>Smc2(-107590)</i>	N/A
Chr4	9094433	9094549	Chr4.3925	<i>Cvs1(-174826),Cnd7(+403126)</i>	N/A
Chr4	9094741	9094886	Chr4.3927	<i>Cvs1(-174503),Cnd7(+403449)</i>	N/A
Chr4	52804210	52804396	Chr4.39282	<i>Offr275(-21096),Toporsl(+197097)</i>	N/A
Chr4	9096981	9097160	Chr4.3936	<i>Cvs1(-172246),Cnd7(+405706)</i>	N/A
Chr4	53108208	53108439	Chr4.39743	<i>Abca1(+51541),Nipsnap3b(+96474)</i>	N/A
Chr4	5147726	5147789	Chr4.3976	<i>Cvs1(-121499),Cnd7(+456453)</i>	N/A
Chr4	53147491	53147610	Chr4.39783	<i>Abca1(+12344),Nipsnap3b(+135671)</i>	N/A
Chr4	53159886	53160071	Chr4.39797	<i>Abca1(-84)</i>	N/A
Chr4	53219498	53219701	Chr4.39847	<i>Sic44a1(-220813),Abca1(-59705)</i>	N/A
Chr4	9184597	9184794	Chr4.3989	<i>Cvs1(-84621),Cnd7(+493331)</i>	N/A
Chr4	53315893	53315829	Chr4.39911	<i>Abca1(-155866),Sic44a1(-12462)</i>	N/A
Chr4	53317402	53317541	Chr4.39917	<i>Abca1(-157577),Sic44a1(-122941)</i>	N/A
Chr4	53337932	53338068	Chr4.39927	<i>Abca1(-178105),Sic44a1(-102413)</i>	N/A
Chr4	53409477	53409663	Chr4.39961	<i>Abca1(-249675),Sic44a1(-30843)</i>	N/A
Chr4	53437236	53437335	Chr4.39983	<i>Sic44a1(-3127)</i>	N/A
Chr4	53437493	53437632	Chr4.39986	<i>Sic44a1(-2850)</i>	N/A
Chr4	53438111	53438274	Chr4.39990	<i>Sic44a1(-2220)</i>	N/A
Chr4	53441311	53441592	Chr4.40002	<i>Fad11(-190019),Sic44a1(+1039)</i>	N/A
Chr4	53441870	53442070	Chr4.40005	<i>Fad11(-189501),Sic44a1(+1557)</i>	N/A
Chr4	53474026	53474258	Chr4.40042	<i>Fad11(-157329),Sic44a1(+33729)</i>	N/A
Chr4	53478819	53478921	Chr4.40048	<i>Fad11(-152601),Sic44a1(+38457)</i>	N/A
Chr4	53489481	53489563	Chr4.40063	<i>Fad11(-144949),Sic44a1(+46109)</i>	N/A
Chr4	53512028	53512380	Chr4.40097	<i>Fad11(-119287),Sic44a1(+71719)</i>	N/A
Chr4	53526793	53526899	Chr4.40122	<i>Fad11(-104625),Sic44a1(+86433)</i>	N/A
Chr4	53569471	53569647	Chr4.40198	<i>Fad11(-61912),Sic44a1(+129146)</i>	N/A
Chr4	9269296	9269488	Chr4.4030	<i>Cvs1(+75)</i>	N/A
Chr4	9269810	9269946	Chr4.4033	<i>Cvs1(+562)</i>	N/A
Chr4	53797450	53797474	Chr4.40426	<i>Tmem38b(-28633),Tail2(+17707)</i>	N/A
Chr4	53896521	53896736	Chr4.40489	<i>Tmem38b(+70584)</i>	N/A
Chr4	53950684	53950784	Chr4.40526	<i>Zfp462(-997242),Tmem38b(+124689)</i>	N/A
Chr4	53950828	53950964	Chr4.40529	<i>Zfp462(-997080),Tmem38b(+124851)</i>	N/A
Chr4	53951457	53952089	Chr4.40533	<i>Zfp462(-996203),Tmem38b(+125728)</i>	N/A
Chr4	53952277	53952500	Chr4.40535	<i>Zfp462(-995587),Tmem38b(+126344)</i>	N/A
Chr4	53952862	53953175	Chr4.40547	<i>Zfp462(-994957),Tmem38b(+136974)</i>	N/A
Chr4	53976375	53976552	Chr4.40568	<i>Zfp462(-971512),Tmem38b(+150419)</i>	N/A
Chr4	54020984	54021841	Chr4.40593	<i>Zfp462(-926563),Tmem38b(+195368)</i>	N/A
Chr4	54022080	54022361	Chr4.40605	<i>Zfp462(-925755),Tmem38b(+196176)</i>	N/A
Chr4	54028676	54028791	Chr4.40627	<i>Zfp462(-918242),Tmem38b(+202689)</i>	N/A
Chr4	54028855	54029377	Chr4.40630	<i>Zfp462(-918860),Tmem38b(+203071)</i>	N/A
Chr4	54029442	54029547	Chr4.40633	<i>Zfp462(-918481),Tmem38b(+203450)</i>	N/A
Chr4	54029675	54030019	Chr4.40635	<i>Zfp462(-918129),Tmem38b(+203802)</i>	N/A
Chr4	54030284	54030587	Chr4.40640	<i>Zfp462(-917540),Tmem38b(+204391)</i>	N/A
Chr4	54030858	54030988	Chr4.40643	<i>Zfp462(-917053),Tmem38b(+204878)</i>	N/A
Chr4	54031218	54031429	Chr4.40649	<i>Zfp462(-916652),Tmem38b(+205279)</i>	N/A
Chr4	54032291	54032490	Chr4.40657	<i>Zfp462(-915599),Tmem38b(+206341)</i>	N/A
Chr4	54032725	54032901	Chr4.40663	<i>Zfp462(-915163),Tmem38b(+206768)</i>	N/A
Chr4	54033085	54033471	Chr4.40664	<i>Zfp462(-914698),Tmem38b(+207233)</i>	N/A
Chr4	54033584	54033760	Chr4.40669	<i>Zfp462(-914304),Tmem38b(+207627)</i>	N/A
Chr4	54045493	54045599	Chr4.40690	<i>Zfp462(-902431),Tmem38b(+219500)</i>	N/A
Chr4	54045492	54046092	Chr4.40708	<i>Zfp462(-883349),Tmem38b(+238582)</i>	N/A
Chr4	54071873	54072248	Chr4.40712	<i>Zfp462(-875915),Tmem38b(+240616)</i>	N/A
Chr4	54072613	54072869	Chr4.40716	<i>Zfp462(-875235),Tmem38b(+246696)</i>	N/A
Chr4	54073284	54073696	Chr4.40724	<i>Zfp462(-874486),Tmem38b(+247445)</i>	N/A
Chr4	54094022	54094186	Chr4.40743	<i>Zfp462(-853872),Tmem38b(+268059)</i>	N/A
Chr4	54095246	54095369	Chr4.40746	<i>Zfp462(-852668),Tmem38b(+269263)</i>	N/A
Chr4	54095423	54095558	Chr4.40747	<i>Zfp462(-852465),Tmem38b(+269446)</i>	N/A
Chr4	54116504	54116695	Chr4.40774	<i>Zfp462(-831376),Tmem38b(+290555)</i>	N/A
Chr4	54126741	54127191	Chr4.40785	<i>Zfp462(-821010),Tmem38b(+300921)</i>	N/A
Chr4	54127234	54127622	Chr4.40789	<i>Zfp462(-820548),Tmem38b(+301383)</i>	N/A
Chr4	54202022	54202242	Chr4.40843	<i>Zfp462(-744944),Tmem38b(+376087)</i>	N/A
Chr4	54209682	54209387	Chr4.40852	<i>Zfp462(-741741),Tmem38b(+380190)</i>	N/A
Chr4	54228114	54238740	Chr4.40907	<i>Zfp462(-610549),Tmem38b(+502382)</i>	N/A
Chr4	54328975	54329477	Chr4.40912	<i>Zfp462(-618750),Tmem38b(+503181)</i>	N/A
Chr4	54330179	54330604	Chr4.40915	<i>Zfp462(-617584),Tmem38b(+504347)</i>	N/A
Chr4	54330696	54330990	Chr4.40920	<i>Zfp462(-617133),Tmem38b(+504798)</i>	N/A
Chr4	54331054	54331295	Chr4.40924	<i>Zfp462(-616801),Tmem38b(+505130)</i>	N/A
Chr4	54331376	54332016	Chr4.40925	<i>Zfp462(-616289),Tmem38b(+505651)</i>	N/A
Chr4	54332047	54332220	Chr4.40927	<i>Zfp462(-615842),Tmem38b(+506089)</i>	N/A
Chr4	54332411	54332808	Chr4.40932	<i>Zfp462(-615366),Tmem38b(+506565)</i>	N/A
Chr4	54333279	54333486	Chr4.40937	<i>Zfp462(-614593),Tmem38b(+507338)</i>	N/A
Chr4	54340693	54341109	Chr4.40942	<i>Zfp462(-607070),Tmem38b(+514856)</i>	N/A
Chr4	54353804	54354059	Chr4.40957	<i>Zfp462(-593994),Tmem38b(+527937)</i>	N/A
Chr4	54354151	54354558	Chr4.40960	<i>Zfp462(-593621),Tmem38b(+528310)</i>	N/A
Chr4	54370488	54370744	Chr4.40979	<i>Zfp462(-577360),Tmem38b(+544571)</i>	N/A
Chr4	54371441	54371811	Chr4.40982	<i>Zfp462(-576350),Tmem38b(+545581)</i>	N/A
Chr4	54373836	54374047	Chr4.40987	<i>Zfp462(-574034),Tmem38b(+547897)</i>	N/A
Chr4	54374462	54374599	Chr4.40994	<i>Zfp462(-573447),Tmem38b(+548484)</i>	N/A
Chr4	54374793	54375001	Chr4.40997	<i>Zfp462(-573079),Tmem38b(+548852)</i>	N/A
Chr4	54383478	54383731	Chr4.41011	<i>Zfp462(-564371),Tmem38b(+557560)</i>	N/A
Chr4	54384042	54384211	Chr4.41013	<i>Zfp462(-563849),Tmem38b(+558082)</i>	N/A
Chr4	54387123	54387380	Chr4.41018	<i>Zfp462(-560724),Tmem38b(+561207)</i>	N/A
Chr4	54387537	54387774	Chr4.41019	<i>Zfp462(-560320),Tmem38b(+561611)</i>	N/A
Chr4	54391817	54391821	Chr4.41026	<i>Zfp462(-556257),Tmem38b(+565674)</i>	N/A
Chr4	54391971	54392203	Chr4.41028	<i>Zfp462(-555889),Tmem38b(+566042)</i>	N/A
Chr4	54421796	54421943	Chr4.41047	<i>Zfp462(-526106),Tmem38b(+595825)</i>	N/A
Chr4	54423362	54423483	Chr4.41051	<i>Zfp462(-524553),Tmem38b(+597378)</i>	N/A
Chr4	54425449	54425587	Chr4.41056	<i>Zfp462(-522458),Tmem38b(+599473)</i>	N/A
Chr4	54435369	54435489	Chr4.41073	<i>Zfp462(-512542),Tmem38b(+609389)</i>	N/A
Chr4	54470158	54470281	Chr4.41102	<i>Zfp462(-477756),Tmem38b(+644175)</i>	N/A
Chr4	54470605	54470887	Chr4.41105	<i>Zfp462(-477230),Tmem38b(+644701)</i>	N/A
Chr4	54470988	54471175	Chr4.41106	<i>Zfp462(-476894),Tmem38b(+645037)</i>	N/A
Chr4	54480531	54480800	Chr4.41117	<i>Zfp462(-467310),Tmem38b(+654621)</i>	N/A
Chr4	54493231	54493494	Chr4.41119	<i>Zfp462(-454613),Tmem38b(+667318)</i>	N/A
Chr4	54516040	54516244	Chr4.41134	<i>Zfp462(-431834),Tmem38b(+690097)</i>	N/A
Chr4	54523382	54523693	Chr4.41147	<i>Zfp462(-424639),Tmem38b(+697428)</i>	N/A
Chr4	54523758	54524268	Chr4.41149	<i>Zfp462(-423963),Tmem38b(+697968)</i>	N/A
Chr4	54526211	54526514	Chr4.41161	<i>Zfp462(-421613),Tmem38b(+700318)</i>	N/A
Chr4	54529468	54529750	Chr4.41168	<i>Zfp462(-418367),Tmem38b(+703564)</i>	N/A
Chr4	54533914	54534301	Chr4.41173	<i>Zfp462(-413868),Tmem38b(+708063)</i>	N/A
Chr4	54587360	54587574	Chr4.41188	<i>Zfp462(-360369),Tmem38b(+761422)</i>	N/A
Chr4	54601699	54602066	Chr4.41200	<i>Zfp462(-346093),Tmem38b(+775838)</i>	N/A

Chr4	54615888	54616253	Chr4.41226	Zfp462(-331905),Tmem38b(+790026)	N/A
Chr4	54645676	54645811	Chr4.41259	Zfp462(-302222),Tmem38b(+819699)	N/A
Chr4	54652125	54652438	Chr4.41281	Zfp462(-295094),Tmem38b(+826237)	N/A
Chr4	54652514	54652849	Chr4.41283	Zfp462(-295294),Tmem38b(+826537)	N/A
Chr4	54653130	54653345	Chr4.41286	Zfp462(-294738),Tmem38b(+827193)	N/A
Chr4	54653390	54653504	Chr4.41288	Zfp462(-294529),Tmem38b(+827402)	N/A
Chr4	54664595	54664791	Chr4.41294	Zfp462(-283283),Tmem38b(+838648)	N/A
Chr4	54687957	54688069	Chr4.41297	Zfp462(-259963),Tmem38b(+861968)	N/A
Chr4	54758074	54758375	Chr4.41333	Zfp462(-189717),Tmem38b(+932180)	N/A
Chr4	54758415	54758697	Chr4.41338	Zfp462(-189479),Tmem38b(+932461)	N/A
Chr4	54765223	54765559	Chr4.41352	Zfp462(-182585),Tmem38b(+939346)	N/A
Chr4	54768304	54768457	Chr4.41360	Zfp462(-179595),Tmem38b(+942336)	N/A
Chr4	54795183	54795595	Chr4.41403	Zfp462(-152587),Tmem38b(+969344)	N/A
Chr4	54837375	54837481	Chr4.41429	Zfp462(-110549)	N/A
Chr4	54838725	54838822	Chr4.41439	Zfp462(-109103)	N/A
Chr4	54877175	54877333	Chr4.41476	Zfp462(-70722)	N/A
Chr4	54944349	54944517	Chr4.41534	Zfp462(-3543)	N/A
Chr4	54944894	54944994	Chr4.41539	Zfp462(-3032)	N/A
Chr4	54945180	54945322	Chr4.41540	Zfp462(-2725)	N/A
Chr4	54945579	54945731	Chr4.41542	Zfp462(-2321)	N/A
Chr4	54946378	54946508	Chr4.41550	Zfp462(-1539)	N/A
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Chr4	54947744	54947857	Chr4.41560	Zfp462(-175)	N/A
Chr4	54948015	54948361	Chr4.41561	Zfp462(+212)	N/A
Chr4	54948837	54948986	Chr4.41566	Zfp462(+933)	N/A
Chr4	54949154	54949273	Chr4.41568	Rad23b(-404829),Zfp462(+1238)	N/A
Chr4	54949416	54949606	Chr4.41570	Rad23b(-400532),Zfp462(+1535)	N/A
Chr4	54949695	54949971	Chr4.41572	Rad23b(-400210),Zfp462(+1857)	N/A
Chr4	54950009	54950346	Chr4.41573	Rad23b(-399865),Zfp462(+2202)	N/A
Chr4	54950376	54950585	Chr4.41579	Rad23b(-399562),Zfp462(+2505)	N/A
Chr4	54950635	54950799	Chr4.41582	Rad23b(-399326),Zfp462(+2741)	N/A
Chr4	54950843	54951018	Chr4.41585	Rad23b(-399112),Zfp462(+2955)	N/A
Chr4	54951052	54951183	Chr4.41588	Rad23b(-398925),Zfp462(+3142)	N/A
Chr4	54954104	54954292	Chr4.41601	Rad23b(-395845),Zfp462(+6222)	N/A
Chr4	54954504	54954669	Chr4.41603	Rad23b(-395456),Zfp462(+6611)	N/A
Chr4	54956063	54956541	Chr4.41609	Rad23b(-393741),Zfp462(+8326)	N/A
Chr4	54956843	54963392	Chr4.41634	Rad23b(-383925),Zfp462(+18142)	N/A
Chr4	54966568	54966930	Chr4.41639	Rad23b(-383294),Zfp462(+18733)	N/A
Chr4	54972974	54973107	Chr4.41680	Rad23b(-377002),Zfp462(+25065)	N/A
Chr4	54977729	54977975	Chr4.41691	Rad23b(-372191),Zfp462(+29878)	N/A
Chr4	54978486	54978826	Chr4.41700	Rad23b(-371387),Zfp462(+30680)	N/A
Chr4	54979333	54979136	Chr4.41706	Rad23b(-370958),Zfp462(+31109)	N/A
Chr4	54979194	54979299	Chr4.41707	Rad23b(-370891),Zfp462(+31266)	N/A
Chr4	54979876	54980017	Chr4.41709	Rad23b(-370096),Zfp462(+31971)	N/A
Chr4	54993668	54993782	Chr4.41734	Rad23b(-356318),Zfp462(+45749)	N/A
Chr4	55000915	55001056	Chr4.41744	Rad23b(-349057),Zfp462(+53010)	N/A
Chr4	55001426	55001730	Chr4.41751	Rad23b(-348465),Zfp462(+53602)	N/A
Chr4	55003076	55003275	Chr4.41760	Rad23b(-346867),Zfp462(+55200)	N/A
Chr4	55004023	55004164	Chr4.41764	Rad23b(-345949),Zfp462(+56118)	N/A
Chr4	55004471	55004864	Chr4.41770	Rad23b(-345375),Zfp462(+56692)	N/A
Chr4	55004998	55005099	Chr4.41775	Rad23b(-344994),Zfp462(+57073)	N/A
Chr4	55005134	55005331	Chr4.41776	Rad23b(-344810),Zfp462(+57257)	N/A
Chr4	55005379	55005529	Chr4.41777	Rad23b(-344589),Zfp462(+57478)	N/A
Chr4	55005620	55005778	Chr4.41781	Rad23b(-344344),Zfp462(+57723)	N/A
Chr4	55005848	55006064	Chr4.41782	Rad23b(-344087),Zfp462(+57980)	N/A
Chr4	55006108	55006223	Chr4.41783	Rad23b(-343877),Zfp462(+58190)	N/A
Chr4	55006337	55006442	Chr4.41786	Rad23b(-343653),Zfp462(+58414)	N/A
Chr4	55026141	55026320	Chr4.41944	Rad23b(-323812),Zfp462(+78255)	N/A
Chr4	55026827	55026954	Chr4.41948	Rad23b(-323152),Zfp462(+78915)	N/A
Chr4	55040603	55040863	Chr4.41971	Rad23b(-309360),Zfp462(+92707)	N/A
Chr4	55042621	55042998	Chr4.41980	Rad23b(-307233),Zfp462(+94834)	N/A
Chr4	55048262	55048469	Chr4.41994	Rad23b(-301677),Zfp462(+100390)	N/A
Chr4	55058359	55058548	Chr4.42029	Rad23b(-291589),Zfp462(+110478)	N/A
Chr4	55058811	55058936	Chr4.42033	Rad23b(-291169),Zfp462(+110898)	N/A
Chr4	55071169	55071309	Chr4.42061	Rad23b(-272804),Zfp462(+12363)	N/A
Chr4	55077644	55077916	Chr4.42066	Rad23b(-272263),Zfp462(+129804)	N/A
Chr4	55088903	55089222	Chr4.42098	Rad23b(-260980),Zfp462(+141087)	N/A
Chr4	55122104	55122297	Chr4.42120	Rad23b(-227842),Zfp462(+174225)	N/A
Chr4	55136379	55136586	Chr4.42130	Rad23b(-213560),Zfp462(+188507)	N/A
Chr4	55145075	55145231	Chr4.42137	Rad23b(-204860),Zfp462(+197177)	N/A
Chr4	55176288	55179455	Chr4.42155	Rad23b(-172681),Zfp462(+22386)	N/A
Chr4	55208913	55209385	Chr4.42184	Rad23b(-140894),Zfp462(+261173)	N/A
Chr4	55215790	55215913	Chr4.42194	Rad23b(-134191),Zfp462(+267876)	N/A
Chr4	55293626	55293730	Chr4.42262	Rad23b(-56365),Zfp462(+345702)	N/A
Chr4	55293772	55293883	Chr4.42264	Rad23b(-56215),Zfp462(+345852)	N/A
Chr4	55294135	55294633	Chr4.42268	Rad23b(-55959),Zfp462(+346498)	N/A
Chr4	55316973	55317113	Chr4.42284	Rad23b(-336000),Zfp462(+396067)	N/A
Chr4	55416049	55416207	Chr4.42339	Rad23b(+66085),Klf4(+116338)	N/A
Chr4	55480388	55480589	Chr4.42366	Klf4(+51977),Rad23b(+130446)	N/A
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Chr4	55533925	55534035	Chr4.42466	Klf4(-1514)	N/A
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Chr4	55547240	55547355	Chr4.42492	Klf4(-14832)	N/A
Chr4	55604207	55604446	Chr4.42524	Klf4(-71861)	N/A
Chr4	55645435	55645714	Chr4.42568	Klf4(-113109)	N/A
Chr4	55648311	55648785	Chr4.42577	Klf4(-116082)	N/A
Chr4	55651182	55651384	Chr4.42580	Klf4(-118817)	N/A
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Chr4	9557871	9558054	Chr4.4259	Asph(+111199),Ctvs1(+288646)	N/A
Chr4	95703423	95703551	Chr4.42630	Klf4(-171021)	N/A
Chr4	95732091	95732429	Chr4.42689	Klf4(-189794)	N/A
Chr4	95733274	95733479	Chr4.42698	Klf4(-200911)	N/A
Chr4	95750081	95750260	Chr4.42709	Klf4(-217705),Actl7b(+991254)	N/A
Chr4	95757456	95757819	Chr4.42714	Klf4(-225172),Actl7b(+983787)	N/A
Chr4	95805811	95805934	Chr4.42763	Klf4(-273407),Actl7b(+935552)	N/A
Chr4	95843798	95844229	Chr4.42803	Klf4(-311548),Actl7b(+897411)	N/A
Chr4	95844589	95844589	Chr4.42809	Klf4(-311976),Actl7b(+896983)	N/A
Chr4	95844658	95844933	Chr4.42812	Klf4(-312330),Actl7b(+896629)	N/A
Chr4	95875000	95875144	Chr4.42819	Klf4(-342606),Actl7b(+866353)	N/A
Chr4	95894156	95894346	Chr4.42840	Klf4(-361785),Actl7b(+847174)	N/A
Chr4	95929302	95929699	Chr4.42868	Klf4(-397035),Actl7b(+811924)	N/A
Chr4	96023439	96023597	Chr4.42951	Klf4(-491052),Actl7b(+717907)	N/A
Chr4	96053445	96053674	Chr4.42977	Klf4(-521094),Actl7b(+687665)	N/A
Chr4	96088621	96089202	Chr4.43010	Klf4(-556446),Actl7b(+652513)	N/A
Chr4	96113383	96113659	Chr4.43037	Klf4(-581055),Actl7b(+627904)	N/A
Chr4	96113739	96114110	Chr4.43045	Klf4(-581459),Actl7b(+627500)	N/A
Chr4	96120345	96120663	Chr4.43050	Klf4(-588038),Actl7b(+620921)	N/A
Chr4	96120848	96121035	Chr4.43052	Klf4(-588476),Actl7b(+620493)	N/A
Chr4	96128248	96128415	Chr4.43063	Klf4(-595866),Actl7b(+613093)	N/A
Chr4	9621949	9622068	Chr4.4308	Asph(+47153),Ctvs1(+352692)	N/A
Chr4	96179165	96179273	Chr4.43129	Klf4(-646753),Actl7b(+562206)	N/A
Chr4	96179413	96179600	Chr4.43136	Klf4(-647041),Actl7b(+561918)	N/A
Chr4	96179888	96180055	Chr4.43144	Klf4(-647506),Actl7b(+561453)	N/A
Chr4	96188612	96188797	Chr4.43154	Klf4(-656239),Actl7b(+552720)	N/A
Chr4	96205744	96205911	Chr4.43171	Klf4(-673362),Actl7b(+535597)	N/A
Chr4	96221957	96222354	Chr4.43181	Klf4(-689690),Actl7b(+519269)	N/A
Chr4	96238914	96239077	Chr4.43219	Klf4(-706530),Actl7b(+502429)	N/A
Chr4	96239157	96239380	Chr4.43221	Klf4(-706803),Actl7b(+502156)	N/A
Chr4	96243960	96244109	Chr4.43228	Klf4(-711569),Actl7b(+497390)	N/A
Chr4	96294226	96294324	Chr4.43275	Klf4(-761909),Actl7b(+477050)	N/A
Chr4	96338065	96338426	Chr4.43306	Klf4(-805780),Actl7b(+403179)	N/A
Chr4	96338458	96338697	Chr4.43312	Klf4(-806112),Actl7b(+402847)	N/A
Chr4	96338746	96338869	Chr4.43314	Klf4(-806342),Actl7b(+402617)	N/A
Chr4	96375835	96376146	Chr4.43354	Klf4(-843525),Actl7b(+365434)	N/A
Chr4	96393989	96394117	Chr4.43374	Klf4(-861587),Actl7b(+347372)	N/A
Chr4	96425361	96425536	Chr4.43399	Klf4(-892983),Actl7b(+315976)	N/A
Chr4	96533607	96533738	Chr4.43500	Actl7b(+207752)	N/A
Chr4	96539138	96539592	Chr4.43507	Actl7b(+202060)	N/A
Chr4	96541652	96541851	Chr4.43520	Actl7b(+199673)	N/A
Chr4	9643684	9643680	Chr4.4356	Asph(+25416),Ctvs1(+374429)	N/A
Chr4	96628657	96627020	Chr4.43599	Actl7b(+114486)	N/A
Chr4	96627086	96627401	Chr4.43601	Actl7b(+114181)	N/A
Chr4	96630285	96630584	Chr4.43606	Actl7b(+110990)	N/A
Chr4	96630748	96630880	Chr4.43612	Actl7b(+110611)	N/A
Chr4	96644232	96644371	Chr4.43629	Actl7b(+97123)	N/A
Chr4	96654555	96654760	Chr4.43638	Actl7b(+86767)	N/A
Chr4	9668012	9668160	Chr4.4364	Asph(+1071),Ctvs1(+398774)	N/A

Chr4	56657143	56657438	Chr4.43642	Act17b(+84134)	N/A
Chr4	56702297	56702478	Chr4.43662	Act17b(+39037)	N/A
Chr4	56708602	56708827	Chr4.43674	Act17b(+32680)	N/A
Chr4	5708180	5708300	Chr4.4404	Epb414b(+5918)	N/A
Chr4	57005131	57005245	Chr4.44086	Frns1(-14797),Epb414b(+138249)	N/A
Chr4	57119100	57119246	Chr4.44243	Frns1(-128782),Epb414b(+24264)	N/A
Chr4	57141254	57141442	Chr4.44259	Frns1(-150957),Epb414b(+2089)	N/A
Chr4	57141551	57141707	Chr4.44261	Frns1(-151238),Epb414b(+1808)	N/A
Chr4	57141845	57141976	Chr4.44263	Frns1(-151520),Epb414b(+1526)	N/A
Chr4	57163070	57163239	Chr4.44275	Epb414b(+19718),Pltn3(+138682)	N/A
Chr4	57167537	57167686	Chr4.44287	Epb414b(-24175),Pltn3(+134225)	N/A
Chr4	57171886	57172112	Chr4.44289	Epb414b(-28562),Pltn3(+129838)	N/A
Chr4	9831115	9831419	Chr4.4442	Asph(-162105),Gdf6(-13105)	N/A
Chr4	57278791	57278984	Chr4.44433	Epb414b(-135451),Pltn3(+22949)	N/A
Chr4	57295846	57295992	Chr4.44449	Epb414b(-152482),Pltn3(+5918)	N/A
Chr4	57299121	57299457	Chr4.44451	Epb414b(-155852),Pltn3(+2548)	N/A
Chr4	57308662	57308945	Chr4.44459	Pakap(-125443),Pltn3(-6967)	N/A
Chr4	57338846	57339232	Chr4.44472	Pakap(-95208),Pltn3(-37202)	N/A
Chr4	57380367	57380575	Chr4.44490	Pltn3(-78634),Pakap(-53776)	N/A
Chr4	3830156	3836639	Chr4.445	Chchd7(-2422),Plag1(+1884)	N/A
Chr4	57489933	57490209	Chr4.44541	Pakap(-147722),Pakap(+55854)	N/A
Chr4	9843274	9843381	Chr4.4458	Gdf6(-1044)	N/A
Chr4	57534261	57534410	Chr4.44580	Pakap(-103487),Pakap(+100089)	N/A
Chr4	57537985	57538452	Chr4.44587	Pakap(-99604),Pakap(+103972)	N/A
Chr4	57543800	57544040	Chr4.44599	Pakap(-93898),Pakap(+109678)	N/A
Chr4	57558528	57558672	Chr4.44610	Pakap(-79223),Pakap(+124353)	N/A
Chr4	57560156	57560323	Chr4.44619	Pakap(-77583),Pakap(+125993)	N/A
Chr4	57567991	57568092	Chr4.44632	Pakap(-69781),Pakap(+133795)	N/A
Chr4	9844291	9844400	Chr4.4464	Gdf6(-26)	N/A
Chr4	57569161	57569285	Chr4.44640	Pakap(-68600),Pakap(+134976)	N/A
Chr4	57583196	57583322	Chr4.44671	Pakap(-44563),Pakap(+159013)	N/A
Chr4	57607399	57607492	Chr4.44677	Pakap(-30382),Pakap(+173194)	N/A
Chr4	57611540	57611643	Chr4.44685	Pakap(-26231),Pakap(+177345)	N/A
Chr4	57611680	57611779	Chr4.44688	Pakap(-26093),Pakap(+177483)	N/A
Chr4	57637721	57637921	Chr4.44704	Pakap(-2)	N/A
Chr4	9846199	9846311	Chr4.4471	Gdf6(+1883)	N/A
Chr4	57675561	57675794	Chr4.44728	Pakap(-178481),Pakap(+37855)	N/A
Chr4	57677322	57677421	Chr4.44736	Pakap(-176787),Pakap(+39549)	N/A
Chr4	57684759	57684889	Chr4.44746	Pakap(-169335),Pakap(+47001)	N/A
Chr4	9847157	9847441	Chr4.4475	Gdf6(+2927)	N/A
Chr4	57685090	57685244	Chr4.44750	Pakap(-168992),Pakap(+47344)	N/A
Chr4	57698234	57698601	Chr4.44761	Pakap(-155741),Pakap(+60595)	N/A
Chr4	57739295	57739387	Chr4.44832	Pakap(-114623),Pakap(+101513)	N/A
Chr4	57758112	57758352	Chr4.44843	Pakap(-65927),Pakap(+120409)	N/A
Chr4	9857676	9857782	Chr4.4488	Gdf6(+13357)	N/A
Chr4	57826799	57826958	Chr4.44891	Pakap(-27280),Pakap(+189056)	N/A
Chr4	57831646	57831817	Chr4.44903	Pakap(-22427),Pakap(+193909)	N/A
Chr4	57834427	57834536	Chr4.44912	Pakap(-19677),Pakap(+196659)	N/A
Chr4	57845109	57845282	Chr4.44921	Pakap(-8963),Pakap(+207373)	N/A
Chr4	57848079	57848251	Chr4.44931	Pakap(-5994),Pakap(+210342)	N/A
Chr4	57866169	57866285	Chr4.45007	Pakap(+12068),D630039a03nk(+50070)	N/A
Chr4	57867442	57867572	Chr4.45010	Pakap(+13348),D630039a03nk(+48790)	N/A
Chr4	3930689	3937151	Chr4.451	Chchd7(-1910),Plag1(+1372)	N/A
Chr4	9851457	9861582	Chr4.45116	Gdf6(+17138)	N/A
Chr4	3937182	3937361	Chr4.453	Chchd7(-1648),Plag1(+11110)	N/A
Chr4	9874524	9874726	Chr4.4530	2610301b20rk(-999873),Gdf6(+30253)	N/A
Chr4	58109422	58109550	Chr4.45349	Txndc8(-100362),Svep1(+97110)	N/A
Chr4	3937410	3938004	Chr4.454	Chchd7(-1213),Plag1(+675)	N/A
Chr4	58170222	58170321	Chr4.45441	Txndc8(-161148),Svep1(-36324)	N/A
Chr4	58184204	58184435	Chr4.45469	Txndc8(-175241),Svep1(+22221)	N/A
Chr4	58184874	58185093	Chr4.45472	Txndc8(-175860),Svep1(+21612)	N/A
Chr4	58206764	58206952	Chr4.45492	Svep1(-262)	N/A
Chr4	58233912	58234111	Chr4.45496	Musk(-51950),Svep1(-27416)	N/A
Chr4	58271627	58272162	Chr4.45510	Svep1(-65299),Musk(+14067)	N/A
Chr4	58286771	58286824	Chr4.45521	Musk(-64)	N/A
Chr4	58286783	58286990	Chr4.45527	Musk(+925)	N/A
Chr4	58326841	58327033	Chr4.45569	Musk(+40975),Lpar1(+226374)	N/A
Chr4	58344999	58345153	Chr4.45587	Musk(+59114),Lpar1(+208225)	N/A
Chr4	58356240	58356364	Chr4.45612	Musk(+70340),Lpar1(+197099)	N/A
Chr4	58359459	58359573	Chr4.45616	Musk(+70254),Lpar1(+196795)	N/A
Chr4	58401039	58401285	Chr4.45673	Musk(+115200),Lpar1(+152149)	N/A
Chr4	58413574	58413683	Chr4.45679	Musk(+127667),Lpar1(+139682)	N/A
Chr4	58439122	58439567	Chr4.45708	Lpar1(+113966),Musk(+153383)	N/A
Chr4	58442419	58442782	Chr4.45711	Lpar1(+110710),Musk(+156639)	N/A
Chr4	58446588	58446988	Chr4.45726	Lpar1(+88389),Musk(+178950)	N/A
Chr4	9801780	9902014	Chr4.4573	2610301b20rk(-972601),Gdf6(+57525)	N/A
Chr4	58471449	58471830	Chr4.45730	Lpar1(+81671),Musk(+185678)	N/A
Chr4	58499390	58499587	Chr4.45773	Lpar1(+53822),Musk(+213527)	N/A
Chr4	58508916	58509127	Chr4.45784	Lpar1(+44289),Musk(+223060)	N/A
Chr4	58516347	58516452	Chr4.45788	Lpar1(+36911),Musk(+230438)	N/A
Chr4	58518602	58518791	Chr4.45791	Lpar1(+36614),Musk(+230735)	N/A
Chr4	58518701	58518920	Chr4.45799	Lpar1(+34500),Musk(+232849)	N/A
Chr4	3938076	3938375	Chr4.458	Chchd7(-693),Plag1(+155)	N/A
Chr4	58530400	58530528	Chr4.45805	Lpar1(+22847),Musk(+244502)	N/A
Chr4	58553073	58553188	Chr4.45831	Lpar1(+180)	N/A
Chr4	58568479	58568837	Chr4.45836	Lpar1(-15347),Olf267(+217064)	N/A
Chr4	58578625	58578848	Chr4.45839	Lpar1(-32426),Olf267(+209955)	N/A
Chr4	58580413	58580561	Chr4.45845	Lpar1(-27170),Olf267(+205235)	N/A
Chr4	58580944	58581191	Chr4.45851	Lpar1(-27757),Olf267(+204654)	N/A
Chr4	58658064	58658202	Chr4.45891	Lpar1(-104822),Olf267(+127589)	N/A
Chr4	58663714	58663989	Chr4.45894	Lpar1(-110541),Olf267(+121870)	N/A
Chr4	58668472	58668646	Chr4.45898	Lpar1(-115248),Olf267(+117163)	N/A
Chr4	58670566	58671099	Chr4.45905	Lpar1(-117522),Olf267(+114899)	N/A
Chr4	58671466	58671622	Chr4.45915	Lpar1(-118233),Olf267(+114178)	N/A
Chr4	58714205	58714438	Chr4.45928	Lpar1(-161011),Olf267(+71400)	N/A
Chr4	58723141	58723259	Chr4.45944	Lpar1(-169889),Olf267(+62522)	N/A
Chr4	58725814	58726016	Chr4.45951	Lpar1(-172604),Olf267(+59807)	N/A
Chr4	58747096	58747339	Chr4.45961	Lpar1(-193907),Olf267(+38534)	N/A
Chr4	58749323	58749474	Chr4.45972	Lpar1(-196093),Olf267(+36318)	N/A
Chr4	58749504	58749721	Chr4.45973	Lpar1(-196302),Olf267(+36109)	N/A
Chr4	58943559	58943661	Chr4.46167	Zkscan16(-18)	N/A
Chr4	59221910	59222083	Chr4.46437	Ugcg(+32740),Susd1(+216636)	N/A
Chr4	59240031	59240161	Chr4.46448	Ugcg(+50839),Susd1(+198537)	N/A
Chr4	59389541	59389634	Chr4.46533	Susd1(+49895),Ugcg(+199481)	N/A
Chr4	59454409	59454529	Chr4.46590	Susd1(-15836),Pltn3(+94815)	N/A
Chr4	59462185	59462319	Chr4.46595	Susd1(-23619),Pltn3(+87032)	N/A
Chr4	59626832	59626965	Chr4.46738	E130308a19nk(+656)	N/A
Chr4	59629196	59629451	Chr4.46746	E130308a19nk(+3081),Injp(+154542)	N/A
Chr4	59629496	59629662	Chr4.46749	E130308a19nk(+3436),Injp(+154187)	N/A
Chr4	59752730	59752909	Chr4.46913	Injp(+31046),E130308a19nk(+126577)	N/A
Chr4	59765405	59765642	Chr4.46939	Injp(+18342),E130308a19nk(+139281)	N/A
Chr4	59806720	59806824	Chr4.46973	Srx3(+932)	N/A
Chr4	62581925	62582034	Chr4.47570	Rgs3(-37540),493343017rk(+56611)	N/A
Chr4	62582709	62582813	Chr4.47573	Rgs3(-36759),493343017rk(+57392)	N/A
Chr4	62604237	62604397	Chr4.47587	Rgs3(-15203),493343017rk(+78949)	N/A
Chr4	62606644	62606844	Chr4.47592	Rgs3(-12946),493343017rk(+81205)	N/A
Chr4	62610130	62610272	Chr4.47600	Rgs3(-9319),493343017rk(+84832)	N/A
Chr4	62612834	62612944	Chr4.47604	Rgs3(-6631),493343017rk(+87520)	N/A
Chr4	62613110	62613314	Chr4.47607	Rgs3(-6308),493343017rk(+87843)	N/A
Chr4	62618371	62618644	Chr4.47620	Rgs3(-72)	N/A
Chr4	62622302	62622452	Chr4.47624	Zfp618(-343197),Rgs3(+2857)	N/A
Chr4	62624039	62624153	Chr4.47629	Zfp618(-341478),Rgs3(+4576)	N/A
Chr4	62629995	62630135	Chr4.47656	Zfp618(-335509),Rgs3(+10545)	N/A
Chr4	62641333	62641540	Chr4.47676	Zfp618(-324137),Rgs3(+21917)	N/A
Chr4	62658963	62659070	Chr4.47709	Zfp618(-306557),Rgs3(+39497)	N/A
Chr4	62659278	62659636	Chr4.47710	Zfp618(-306117),Rgs3(+39937)	N/A
Chr4	62663530	62663643	Chr4.47722	Zfp618(-301987),Rgs3(+44067)	N/A
Chr4	62675602	62675738	Chr4.47744	Zfp618(-289904),Rgs3(+56150)	N/A
Chr4	62677177	62677349	Chr4.47747	Zfp618(-288311),Rgs3(+57743)	N/A
Chr4	62695532	62695697	Chr4.47778	Zfp618(-269959),Rgs3(+76095)	N/A
Chr4	62727682	62727875	Chr4.47823	Zfp618(-237793),Rgs3(+106259)	N/A
Chr4	62731749	62731855	Chr4.47826	Zfp618(-233772),Rgs3(+112282)	N/A
Chr4	62732385	62732487	Chr4.47828	Zfp618(-233138),Rgs3(+112916)	N/A
Chr4	62744612	62744797	Chr4.47835	Zfp618(-220869),Rgs3(+125185)	N/A
Chr4	62781412	62781513	Chr4.47863	Zfp618(-184111),Rgs3(+161943)	N/A
Chr4	62797351	62797460	Chr4.47870	Zfp618(-168168),Rgs3(+177886)	N/A
Chr4	62814330	62814523	Chr4.47878	Zfp618(-151147),Rgs3(+194907)	N/A
Chr4	62837404	62837554	Chr4.47899	Zfp618(-128095),Rgs3(+217959)	N/A

Chr4	62870314	62870546	Chr4.47926	Zfp618(-95144), Rgs3(+250910)	N/A
Chr4	62891166	62891317	Chr4.47957	Zfp618(-74332), Rgs3(+271722)	N/A
Chr4	62942566	62942684	Chr4.47970	Zfp618(-22949), Rgs3(+323105)	N/A
Chr4	62963498	62963794	Chr4.47984	Zfp618(+997)	N/A
Chr4	62967000	62967311	Chr4.47989	Zfp618(+1582), Ambp(+187017)	N/A
Chr4	62968378	62968492	Chr4.48005	Zfp618(+2861), Ambp(+185738)	N/A
Chr4	62969161	62969331	Chr4.48013	Zfp618(+3672), Ambp(+184927)	N/A
Chr4	62978666	62978836	Chr4.48026	Zfp618(+13177), Ambp(+175422)	N/A
Chr4	63005356	63005481	Chr4.48037	Zfp618(+38645), Ambp(+148754)	N/A
Chr4	63006256	63006375	Chr4.48040	Zfp618(+40742), Ambp(+147857)	N/A
Chr4	63032787	63032966	Chr4.48050	Zfp618(+67303), Ambp(+121296)	N/A
Chr4	63037765	63037870	Chr4.48059	Zfp618(+72244), Ambp(+116355)	N/A
Chr4	63037939	63038221	Chr4.48061	Zfp618(+72506), Ambp(+116093)	N/A
Chr4	63050500	63050609	Chr4.48074	Zfp618(+84981), Ambp(+103618)	N/A
Chr4	63052423	63052643	Chr4.48075	Zfp618(+86959), Ambp(+101640)	N/A
Chr4	63120370	63120496	Chr4.48131	Ambp(+33740), Zfp618(+154659)	N/A
Chr4	10200732	10201034	Chr4.4828	2610301b20r(k)-673615), Gdf9(+356511)	N/A
Chr4	63186355	63186464	Chr4.48311	Col27a1(-29025), Klf12(-14279)	N/A
Chr4	63186508	63186747	Chr4.48316	Col27a1(-28807), Klf12(-14497)	N/A
Chr4	63190198	63190592	Chr4.48324	Col27a1(-25040), Klf12(-18264)	N/A
Chr4	63201062	63201287	Chr4.48337	Klf12(-29034), Col27a1(-14270)	N/A
Chr4	10201496	10201806	Chr4.4834	2610301b20r(k)-672847), Gdf9(+357279)	N/A
Chr4	63205436	63205563	Chr4.48343	Klf12(-33369), Col27a1(-9935)	N/A
Chr4	63205795	63206012	Chr4.48351	Klf12(-33773), Col27a1(-9531)	N/A
Chr4	63207572	63207843	Chr4.48356	Klf12(-35577), Col27a1(-7727)	N/A
Chr4	63214246	63214411	Chr4.48355	Col27a1(-1108)	N/A
Chr4	63217608	63217726	Chr4.48370	Orrm1(-126893), Col27a1(+2232)	N/A
Chr4	63218138	63218325	Chr4.48373	Orrm1(-126328), Col27a1(+2797)	N/A
Chr4	63221631	63221796	Chr4.48387	Orrm1(-122846), Col27a1(+6279)	N/A
Chr4	63226866	63227039	Chr4.48416	Orrm1(-117607), Col27a1(+11518)	N/A
Chr4	10206268	10206415	Chr4.4842	2610301b20r(k)-665158), Gdf9(+364970)	N/A
Chr4	63229105	63229245	Chr4.48422	Orrm1(-115365), Col27a1(+13740)	N/A
Chr4	63230514	63230672	Chr4.48430	Orrm1(-113967), Col27a1(+15158)	N/A
Chr4	63232532	63232738	Chr4.48434	Orrm1(-111925), Col27a1(+17200)	N/A
Chr4	63250163	63250328	Chr4.48461	Orrm1(-94314), Col27a1(+34811)	N/A
Chr4	63250414	63250518	Chr4.48463	Orrm1(-94094), Col27a1(+35031)	N/A
Chr4	63253891	63254023	Chr4.48469	Orrm1(-90603), Col27a1(+38522)	N/A
Chr4	63256839	63256946	Chr4.48476	Orrm1(-87667), Col27a1(+41458)	N/A
Chr4	63289353	63289454	Chr4.48527	Orrm1(-85156), Col27a1(+73969)	N/A
Chr4	63291243	63291343	Chr4.48532	Orrm1(-53267), Col27a1(+75858)	N/A
Chr4	10242387	10242657	Chr4.4874	2610301b20r(k)-631976), Gdf9(+398150)	N/A
Chr4	63403272	63403399	Chr4.48750	Akna(+18)	N/A
Chr4	63405232	63405376	Chr4.48755	Akna(-1850)	N/A
Chr4	63459589	63459740	Chr4.48848	Akna(-56311), Whrn(+36286)	N/A
Chr4	63502785	63503082	Chr4.48932	Atg6v1g1(-41838), Whrn(-6963)	N/A
Chr4	10263706	10263932	Chr4.4908	2610301b20r(k)-610679), Gdf9(+419447)	N/A
Chr4	63772473	63772600	Chr4.49126	Trnsf8(-572424), Trnsf8(+88810)	N/A
Chr4	63899167	63899286	Chr4.49192	Trnsf8(-37880), Tnc(+147758)	N/A
Chr4	63899455	63899608	Chr4.49194	Trnsf8(-38185), Tnc(+147483)	N/A
Chr4	63958585	63958707	Chr4.49227	Trnsf8(-97299), Tnc(+88369)	N/A
Chr4	63977301	63977414	Chr4.49299	Trnsf8(-116011), Tnc(+69657)	N/A
Chr4	63983155	63983430	Chr4.49310	Trnsf8(-121946), Tnc(+63722)	N/A
Chr4	63994815	63994943	Chr4.49372	Trnsf8(-133532), Tnc(+52136)	N/A
Chr4	64002310	64002473	Chr4.49418	Trnsf8(-141049), Tnc(+44623)	N/A
Chr4	10307667	10307794	Chr4.4945	2610301b20r(k)-566767), Gdf9(+463359)	N/A
Chr4	10311718	10311850	Chr4.4953	2610301b20r(k)-562714), Gdf9(+467412)	N/A
Chr4	10311891	10312269	Chr4.4956	2610301b20r(k)-562418), Gdf9(+467708)	N/A
Chr4	64025674	64025891	Chr4.49588	Trnsf8(-164436), Tnc(+21232)	N/A
Chr4	64029020	64029132	Chr4.49597	Trnsf8(-167729), Tnc(+17939)	N/A
Chr4	64044033	64044200	Chr4.49615	Trnsf8(-182770), Tnc(+2898)	N/A
Chr4	64046904	64047168	Chr4.49619	Tnc(-21)	N/A
Chr4	64065315	64065544	Chr4.49632	Tnc(-18415)	N/A
Chr4	64074829	64075065	Chr4.49646	Tnc(-27932)	N/A
Chr4	64076876	64076979	Chr4.49657	Tnc(-29720)	N/A
Chr4	64094349	64094491	Chr4.49693	Tnc(-47405)	N/A
Chr4	64129457	64129575	Chr4.49717	Pappa(-994658), Tnc(-82501)	N/A
Chr4	64142422	64142539	Chr4.49736	Pappa(-981693), Tnc(-95466)	N/A
Chr4	10322299	10322406	Chr4.4974	2610301b20r(k)-552145), Gdf9(+477981)	N/A
Chr4	64200223	64200434	Chr4.49795	Pappa(-923845), Tnc(-153314)	N/A
Chr4	64200513	64200707	Chr4.49799	Pappa(-923564), Tnc(-153365)	N/A
Chr4	64207141	64207729	Chr4.49804	Pappa(-916739), Tnc(-160420)	N/A
Chr4	64269930	64270142	Chr4.49854	Pappa(-854138), Tnc(-223021)	N/A
Chr4	64296613	64296981	Chr4.49879	Pappa(-827377), Tnc(-249782)	N/A
Chr4	64535696	64536205	Chr4.50035	Pappa(-588223), Tnc(-488936)	N/A
Chr4	64536400	64536596	Chr4.50040	Pappa(-587676), Tnc(-489483)	N/A
Chr4	64557360	64557621	Chr4.50079	Pappa(-566563), Tnc(-510576)	N/A
Chr4	64598540	64598835	Chr4.50139	Tnc(-551673), Pappa(-525486)	N/A
Chr4	64648631	64648750	Chr4.50167	Tnc(-601676), Pappa(-475483)	N/A
Chr4	64676542	64676909	Chr4.50191	Tnc(-629711), Pappa(-447448)	N/A
Chr4	64676975	64677175	Chr4.50192	Tnc(-630060), Pappa(-447099)	N/A
Chr4	64707459	64707699	Chr4.50213	Tnc(-660564), Pappa(-416595)	N/A
Chr4	64723262	64723560	Chr4.50232	Tnc(-676396), Pappa(-400763)	N/A
Chr4	64755843	64756037	Chr4.50257	Tnc(-708925), Pappa(-368234)	N/A
Chr4	64803922	64804120	Chr4.50277	Tnc(-757006), Pappa(-320153)	N/A
Chr4	64858874	64859052	Chr4.50378	Tnc(-911948), Pappa(-165211)	N/A
Chr4	65123888	65124113	Chr4.50509	Pappa(-173)	N/A
Chr4	65125850	65125949	Chr4.50519	Trim32(-479086), Pappa(+1726)	N/A
Chr4	65128753	65128862	Chr4.50525	Trim32(-478178), Pappa(+2634)	N/A
Chr4	65126924	65127201	Chr4.50526	Trim32(-477923), Pappa(+2889)	N/A
Chr4	65127263	65127399	Chr4.50532	Trim32(-477655), Pappa(+3157)	N/A
Chr4	65158715	65158895	Chr4.50618	Trim32(-446181), Pappa(+34631)	N/A
Chr4	65216732	65216922	Chr4.50727	Trim32(-388159), Pappa(+2653)	N/A
Chr4	65219155	65219473	Chr4.50730	Trim32(-386672), Pappa(+4149)	N/A
Chr4	65242437	65242746	Chr4.50767	Trim32(-362394), Pappa(+118418)	N/A
Chr4	65242835	65242945	Chr4.50771	Trim32(-362096), Pappa(+118716)	N/A
Chr4	65245610	65245846	Chr4.50780	Trim32(-359258), Pappa(+121554)	N/A
Chr4	65272291	65272507	Chr4.50834	Trim32(-332687), Pappa(+148225)	N/A
Chr4	65276287	65276469	Chr4.50843	Trim32(-326596), Pappa(+154214)	N/A
Chr4	65278644	65278779	Chr4.50847	Trim32(-326274), Pappa(+154538)	N/A
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Chr4	65318315	65318510	Chr4.50931	Trim32(-286573), Pappa(+194239)	N/A
Chr4	65322103	65322286	Chr4.50936	Trim32(-282791), Pappa(+198021)	N/A
Chr4	65328954	65329106	Chr4.50963	Trim32(-275956), Pappa(+204856)	N/A
Chr4	65403155	65403475	Chr4.51082	Trim32(-201671), Pappa(+279141)	N/A
Chr4	65420682	65420948	Chr4.51105	Trim32(-184171), Pappa(+296641)	N/A
Chr4	65431310	65431489	Chr4.51122	Trim32(-173586), Pappa(+307226)	N/A
Chr4	65441808	65442039	Chr4.51144	Trim32(-163062), Pappa(+317750)	N/A
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Chr4	65491716	65491841	Chr4.51197	Trim32(-122207), Pappa(+357605)	N/A
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Chr4	65530133	65530275	Chr4.51238	Trim32(-74782), Pappa(+406030)	N/A
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Chr4	66232498	66232759	Chr4.51966	Astn2(+171982), Trim32(+627643)	N/A
Chr4	66249589	66249802	Chr4.51978	Astn2(+155915), Trim32(+643710)	N/A
Chr4	10613074	10614215	Chr4.5199	2610301b20r(k)-260403), Gdf9(+769723)	N/A
Chr4	66280433	66280569	Chr4.52024	Astn2(+124110), Trim32(+675515)	N/A
Chr4	66365669	66365802	Chr4.52139	Astn2(+38875), Trim32(+760750)	N/A
Chr4	66379219	66379337	Chr4.52151	Astn2(+25333), Trim32(+774292)	N/A
Chr4	66390929	66391077	Chr4.52160	Astn2(+13608), Trim32(+786017)	N/A
Chr4	66402897	66403078	Chr4.52183	Astn2(+1623), Trim32(+798002)	N/A
Chr4	66482639	66482875	Chr4.52287	Trn4(-344827), Astn2(-78146)	N/A
Chr4	10691087	10691213	Chr4.5250	2610301b20r(k)-183348), Gdf9(+846778)	N/A
Chr4	66827614	66827727	Chr4.52502	Trn4(+87)	N/A
Chr4	10691288	10691394	Chr4.5253	2610301b20r(k)-183157), Gdf9(+846969)	N/A
Chr4	10701369	10701627	Chr4.5284	2610301b20r(k)-173000), Gdf9(+857126)	N/A
Chr4	66938723	66938930	Chr4.52705	Trn4(+11243)	N/A
Chr4	10707115	10707435	Chr4.5273	2610301b20r(k)-167223), Gdf9(+862903)	N/A
Chr4	10707540	10707643	Chr4.5280	2610301b20r(k)-166906), Gdf9(+863220)	N/A
Chr4	10707738	10707929	Chr4.5283	2610301b20r(k)-166664), Gdf9(+863462)	N/A
Chr4	10767794	10768185	Chr4.5344	2610301b20r(k)-106518), Gdf9(+923608)	N/A
Chr4	10774586	10774717	Chr4.5349	2610301b20r(k)-99494), Gdf9(+920260)	N/A
Chr4	10787057	10787209	Chr4.5358	2610301b20r(k)-87365), Gdf9(+942761)	N/A

Chr4	10794497	10794724	Chr4.5364	2610301b20nik(-79887), Gdf6(+950239)	N/A
Chr4	68746210	68746427	Chr4.53994	Brinp1(+208078)	N/A
Chr4	68801825	68802307	Chr4.54101	Brinp1(+152337)	N/A
Chr4	68825298	68825760	Chr4.54180	Brinp1(+71716)	N/A
Chr4	68952376	68952557	Chr4.54262	Brinp1(+1930)	N/A
Chr4	68954003	68954258	Chr4.54272	Brinp1(+266)	N/A
Chr4	68954326	68954549	Chr4.54273	Brinp1(-41)	N/A
Chr4	10857890	10858337	Chr4.5436	2610301b20nik(-16384)	N/A
Chr4	69196520	69196552	Chr4.54463	Brinp1(+241389)	N/A
Chr4	69256262	69256449	Chr4.54500	Brinp1(+307958)	N/A
Chr4	69597164	69597366	Chr4.54785	Brinp1(+642868), Cdk5rap2(+813178)	N/A
Chr4	10976074	10976275	Chr4.5487	Plekhf2(+31501), 2610301b20nik(+101677)	N/A
Chr4	69780605	69780708	Chr4.54938	Brinp1(+826260), Cdk5rap2(+629786)	N/A
Chr4	69824611	69824729	Chr4.54960	Brinp1(+870273), Cdk5rap2(+58573)	N/A
Chr4	70220494	70220709	Chr4.55214	Cdk5rap2(+18841)	N/A
Chr4	70243681	70243848	Chr4.55261	Cdk5rap2(+166688)	N/A
Chr4	70255665	70255847	Chr4.55285	Cdk5rap2(+154687)	N/A
Chr4	70397292	70397406	Chr4.55506	Cdk5rap2(+13094)	N/A
Chr4	70412225	70412431	Chr4.55519	Cdk5rap2(+1885)	N/A
Chr4	11112482	11112781	Chr4.5555	Trp53inp1(-43799), Ndufa16(-36428)	N/A
Chr4	11147162	11147315	Chr4.5560	Ndufa16(-71038), Trp53inp1(-9192)	N/A
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Chr4	70533212	70533350	Chr4.55674	Cdk5rap2(-122838), Megf9(+1647)	N/A
Chr4	70533663	70533798	Chr4.55676	Cdk5rap2(-123288), Megf9(+1197)	N/A
Chr4	70542555	70542667	Chr4.55687	Megf9(-7683)	N/A
Chr4	70741193	70741572	Chr4.55733	Megf9(-206455)	N/A
Chr4	70805099	70805216	Chr4.55810	Megf9(-270230), Gm11232(+952807)	N/A
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Chr4	71898713	71898853	Chr4.56361	Gm11232(-140818), Tle1(+302074)	N/A
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Chr4	71969095	71969418	Chr4.56384	Gm11232(-211292), Tle1(+231600)	N/A
Chr4	72181128	72181265	Chr4.56666	Gm11232(-423232), Tle1(+19660)	N/A
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Chr4	72195428	72195628	Chr4.56705	Gm11232(-437713), Tle1(+5179)	N/A
Chr4	72198861	72199105	Chr4.56720	Gm11232(-441018), Tle1(+1874)	N/A
Chr4	72199976	72200082	Chr4.56727	Tle1(+828)	N/A
Chr4	72201132	72201257	Chr4.56730	Tle1(-338)	N/A
Chr4	72204371	72204957	Chr4.56743	Tle1(-3807)	N/A
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Chr4	72391960	72392086	Chr4.56870	Tle1(-191158), Aldow1(+460821)	N/A
Chr4	72392183	72392356	Chr4.56871	Tle1(-191413), Aldow1(+460364)	N/A
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Chr4	72946253	72946830	Chr4.57201	Aldow1(-93908), Gm11487(+458330)	N/A
Chr4	73469610	73469799	Chr4.57429	Gm11238(-138176), Gm11487(-64633)	N/A
Chr4	73730076	73730958	Chr4.57593	Rasgef(-265)	N/A
Chr4	11332310	11332433	Chr4.5761	Dpy194(-10235), Esrp1(+54411)	N/A
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Chr4	74748126	74748330	Chr4.57908	Kdm4c(+496292), Dmac1(+530077)	N/A
Chr4	11370738	11370922	Chr4.5822	Dpy194(-48693), Esrp1(+15953)	N/A
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Chr4	75467341	75467341	Chr4.58297	Dmac1(-188924)	N/A
Chr4	75562605	75562820	Chr4.58331	Dmac1(-284408)	N/A
Chr4	75584963	75585152	Chr4.58340	Dmac1(-306753)	N/A
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Chr4	75636759	75636946	Chr4.58405	Dmac1(-358549), Ptpnd(+957445)	N/A
Chr4	75829445	75829553	Chr4.58580	Dmac1(-550194), Ptpnd(+765800)	N/A
Chr4	75837296	75837409	Chr4.58595	Dmac1(-559048), Ptpnd(+756946)	N/A
Chr4	75838832	75839031	Chr4.58602	Dmac1(-560627), Ptpnd(+755367)	N/A
Chr4	75855870	75856024	Chr4.58626	Dmac1(-577642), Ptpnd(+738352)	N/A
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Chr4	75993253	75993462	Chr4.58833	Dmac1(-715023), Ptpnd(+600941)	N/A
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Chr4	76000316	76000683	Chr4.58856	Dmac1(-722195), Ptpnd(+593799)	N/A
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Chr4	76154883	76155060	Chr4.59166	Dmac1(-876667), Ptpnd(+439327)	N/A
Chr4	76190838	76191163	Chr4.59205	Dmac1(-912698), Ptpnd(+403298)	N/A
Chr4	76259789	76259949	Chr4.59275	Dmac1(-981564), Ptpnd(+334430)	N/A
Chr4	76260349	76260914	Chr4.59280	Dmac1(-982327), Ptpnd(+333667)	N/A
Chr4	76273186	76273286	Chr4.59303	Dmac1(-994931), Ptpnd(+321063)	N/A
Chr4	76297450	76297626	Chr4.59344	Ptpnd(+296761)	N/A
Chr4	76313715	76313834	Chr4.59377	Ptpnd(+280524)	N/A
Chr4	76324438	76324553	Chr4.59397	Ptpnd(+269803)	N/A
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Chr4	11579065	11579233	Chr4.5945	Fabp(-516)	N/A
Chr4	76365996	76366149	Chr4.59455	Ptpnd(+228226)	N/A
Chr4	76369152	76369550	Chr4.59472	Ptpnd(+224949)	N/A
Chr4	76370024	76370261	Chr4.59476	Ptpnd(+224156)	N/A
Chr4	76385753	76385889	Chr4.59492	Ptpnd(+208478)	N/A
Chr4	76438917	76439258	Chr4.59567	Ptpnd(+155211)	N/A
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Chr4	76446903	76447091	Chr4.59602	Ptpnd(+147302)	N/A
Chr4	76449337	76449399	Chr4.59611	Ptpnd(+146081)	N/A
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Chr4	76461089	76461188	Chr4.59645	Ptpnd(+133160)	N/A
Chr4	76503248	76503538	Chr4.59743	Ptpnd(+90906)	N/A
Chr4	76608361	76608582	Chr4.59873	Ptpnd(+14173)	N/A
Chr4	76622292	76622624	Chr4.59899	Ptpnd(+26159)	N/A
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Chr4	77335964	77336247	Chr4.60528	Ptpnd(-741807)	N/A
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Chr4	77647574	77647692	Chr4.60721	None	N/A
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Chr4	11720012	11720181	Chr4.6132	Cdh17(-38050), Gem(+15640)	N/A
Chr4	79694935	79695113	Chr4.61536	None	N/A
Chr4	4187333	4187464	Chr4.617	Penk(-48922), Impad1(+805956)	N/A
Chr4	80131996	80132132	Chr4.61780	Tyrp1(-702166)	N/A
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Chr4	80864468	80864976	Chr4.62180	Lurap1l(-45924), Tyrp1(+30492)	N/A
Chr4	80910581	80910694	Chr4.62224	Lurap1l(-8)	N/A
Chr4	81006082	81006198	Chr4.62218	Lurap1l(+95494), Mpdz(+436667)	N/A
Chr4	81058844	81058952	Chr4.62343	Lurap1l(+148252), Mpdz(+383390)	N/A
Chr4	81188649	81188903	Chr4.62399	Mpdz(+254031), Lurap1l(+278130)	N/A
Chr4	81218368	81218489	Chr4.62415	Mpdz(+224378), Lurap1l(+307783)	N/A
Chr4	81222817	81223056	Chr4.62420	Mpdz(+219870), Lurap1l(+312291)	N/A
Chr4	81276478	81276577	Chr4.62432	Mpdz(+166279), Lurap1l(+365882)	N/A
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Chr4	81281491	81281664	Chr4.62450	Mpdz(+161229), Lurap1l(+370932)	N/A
Chr4	81314886	81314991	Chr4.62536	Mpdz(+127868), Lurap1l(+404293)	N/A
Chr4	81332882	81333520	Chr4.62563	Mpdz(+109606), Lurap1l(+422555)	N/A
Chr4	81354629	81354745	Chr4.62594	Mpdz(+88120), Lurap1l(+444041)	N/A
Chr4	81415225	81415399	Chr4.62687	Mpdz(+27465), Lurap1l(+504666)	N/A
Chr4	81430109	81430221	Chr4.62688	Mpdz(+12642), Lurap1l(+519519)	N/A
Chr4	81483444	81483579	Chr4.62707	Mpdz(-40705)	N/A
Chr4	81493324	81493481	Chr4.62718	Mpdz(-50596)	N/A
Chr4	81498993	81499282	Chr4.62726	Mpdz(-56331)	N/A
Chr4	81503886	81503711	Chr4.62739	Mpdz(-60842)	N/A
Chr4	81503970	81504267	Chr4.62742	Mpdz(-61312)	N/A
Chr4	81512531	81512661	Chr4.62750	Mpdz(-69789), Nlfb(+992712)	N/A
Chr4	81521813	81521935	Chr4.62768	Mpdz(-79067), Nlfb(+983434)	N/A
Chr4	11851833	11851943	Chr4.6283	Cdh17(+93741), Pdp1(+114539)	N/A
Chr4	81561294	81561428	Chr4.62831	Mpdz(-18554), Nlfb(+943947)	N/A
Chr4	81563647	81563772	Chr4.62840	Mpdz(-120803), Nlfb(+941589)	N/A
Chr4	81564585	81564646	Chr4.62846	Mpdz(-121909), Nlfb(+940592)	N/A

Chr4	81566036	81566528	Chr4.62848	<i>Mpdtz(-123475),Nfb(+939026)</i>	N/A
Chr4	81566724	81566906	Chr4.62851	<i>Mpdtz(-124008),Nfb(+938493)</i>	N/A
Chr4	81567639	81567763	Chr4.62858	<i>Mpdtz(-124894),Nfb(+937607)</i>	N/A
Chr4	81568010	81568316	Chr4.62860	<i>Mpdtz(-125356),Nfb(+937145)</i>	N/A
Chr4	81568728	81568853	Chr4.62863	<i>Mpdtz(-125984),Nfb(+936517)</i>	N/A
Chr4	81568970	81569145	Chr4.62865	<i>Mpdtz(-126251),Nfb(+936250)</i>	N/A
Chr4	11872126	11872275	Chr4.6287	<i>Pdp1(+94226),Cdh17(+114054)</i>	N/A
Chr4	81569260	81569373	Chr4.62870	<i>Mpdtz(-126510),Nfb(+935991)</i>	N/A
Chr4	81574863	815748614	Chr4.62885	<i>Mpdtz(-135732),Nfb(+926769)</i>	N/A
Chr4	81577806	815779370	Chr4.62887	<i>Mpdtz(-136381),Nfb(+926320)</i>	N/A
Chr4	81579402	81579661	Chr4.62901	<i>Mpdtz(-136725),Nfb(+925776)</i>	N/A
Chr4	81579912	81580013	Chr4.62905	<i>Mpdtz(-137156),Nfb(+925345)</i>	N/A
Chr4	81580065	81580611	Chr4.62908	<i>Mpdtz(-137531),Nfb(+924970)</i>	N/A
Chr4	81580652	81580851	Chr4.62919	<i>Mpdtz(-137945),Nfb(+924566)</i>	N/A
Chr4	81593824	81594076	Chr4.62951	<i>Mpdtz(-151143),Nfb(+911358)</i>	N/A
Chr4	11884924	11885025	Chr4.62996	<i>Pdp1(+81452),Cdh17(+126828)</i>	N/A
Chr4	81614474	81614640	Chr4.62968	<i>Mpdtz(-171750),Nfb(+890751)</i>	N/A
Chr4	81621496	81621730	Chr4.62977	<i>Mpdtz(-178806),Nfb(+883695)</i>	N/A
Chr4	81624146	81624680	Chr4.62985	<i>Mpdtz(-181606),Nfb(+880895)</i>	N/A
Chr4	81625396	81625717	Chr4.62990	<i>Mpdtz(-182750),Nfb(+879751)</i>	N/A
Chr4	81627488	81627788	Chr4.62995	<i>Mpdtz(-184831),Nfb(+877670)</i>	N/A
Chr4	81627965	81628687	Chr4.63002	<i>Mpdtz(-185519),Nfb(+876982)</i>	N/A
Chr4	81659794	81660004	Chr4.63057	<i>Mpdtz(-217092),Nfb(+845409)</i>	N/A
Chr4	81727010	81727691	Chr4.63099	<i>Mpdtz(-284544),Nfb(+777957)</i>	N/A
Chr4	81727720	81728157	Chr4.63107	<i>Mpdtz(-285132),Nfb(+777369)</i>	N/A
Chr4	81728229	81728573	Chr4.63112	<i>Mpdtz(-285594),Nfb(+776907)</i>	N/A
Chr4	81743999	81744148	Chr4.63128	<i>Mpdtz(-301267),Nfb(+761234)</i>	N/A
Chr4	81744647	81745052	Chr4.63133	<i>Mpdtz(-302043),Nfb(+760458)</i>	N/A
Chr4	81745272	81745417	Chr4.63139	<i>Mpdtz(-302538),Nfb(+759963)</i>	N/A
Chr4	81758044	81758410	Chr4.63154	<i>Mpdtz(-315420),Nfb(+747081)</i>	N/A
Chr4	81762585	81763130	Chr4.63162	<i>Mpdtz(-320187),Nfb(+742214)</i>	N/A
Chr4	81763772	81764004	Chr4.63173	<i>Mpdtz(-321018),Nfb(+741420)</i>	N/A
Chr4	81764282	81764408	Chr4.63175	<i>Mpdtz(-321538),Nfb(+740963)</i>	N/A
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Chr4	81788017	81788136	Chr4.63197	<i>Mpdtz(-345270),Nfb(+717231)</i>	N/A
Chr4	81823263	81823374	Chr4.63206	<i>Mpdtz(-380512),Nfb(+681989)</i>	N/A
Chr4	81826176	81826290	Chr4.63220	<i>Mpdtz(-383426),Nfb(+679075)</i>	N/A
Chr4	81913354	81913622	Chr4.63271	<i>Mpdtz(-470681),Nfb(+591820)</i>	N/A
Chr4	81925330	81925505	Chr4.63293	<i>Mpdtz(-482611),Nfb(+579890)</i>	N/A
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Chr4	81928650	81929259	Chr4.63308	<i>Mpdtz(-486148),Nfb(+576553)</i>	N/A
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Chr4	82133010	82133146	Chr4.63560	<i>Mpdtz(-690271),Nfb(+372320)</i>	N/A
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Chr4	82606961	82606780	Chr4.64666	Nfb(+101413),Zdhc21(+252952)	N/A
Chr4	82609149	82609389	Chr4.64673	Nfb(+103961),Zdhc21(+250404)	N/A
Chr4	82609435	82609572	Chr4.64676	Nfb(+104196),Zdhc21(+250169)	N/A
Chr4	82614039	82614170	Chr4.64680	Nfb(+108797),Zdhc21(+245568)	N/A
Chr4	82622585	82622738	Chr4.64693	Nfb(+117352),Zdhc21(+237013)	N/A
Chr4	82623192	82623321	Chr4.64697	Nfb(+117949),Zdhc21(+236416)	N/A
Chr4	82623369	82623552	Chr4.64699	Nfb(+118153),Zdhc21(+236212)	N/A
Chr4	82662279	82662537	Chr4.64731	Nfb(+157100),Zdhc21(+197265)	N/A
Chr4	82684449	82684903	Chr4.64746	Nfb(+179368),Zdhc21(+174997)	N/A
Chr4	82690354	82690591	Chr4.64751	Nfb(+185165),Zdhc21(+169200)	N/A
Chr4	82690863	82691657	Chr4.64762	Nfb(+186002),Zdhc21(+168363)	N/A
Chr4	82691709	82692067	Chr4.64763	Nfb(+186580),Zdhc21(+167756)	N/A
Chr4	82699610	82699799	Chr4.64775	Nfb(+194397),Zdhc21(+159968)	N/A
Chr4	82700304	82700544	Chr4.64781	Nfb(+195116),Zdhc21(+159249)	N/A
Chr4	82702825	82703167	Chr4.64792	Nfb(+197688),Zdhc21(+156677)	N/A
Chr4	82704844	82705225	Chr4.64806	Nfb(+199727),Zdhc21(+154638)	N/A
Chr4	82705482	82705977	Chr4.64811	Nfb(+200422),Zdhc21(+153943)	N/A
Chr4	82706173	82706307	Chr4.64814	Nfb(+200932),Zdhc21(+153433)	N/A
Chr4	82723302	82723431	Chr4.64827	Nfb(+218059),Zdhc21(+136306)	N/A
Chr4	82724295	82724426	Chr4.64828	Nfb(+219053),Zdhc21(+135312)	N/A
Chr4	82735337	82735639	Chr4.64837	Nfb(+230180),Zdhc21(+124185)	N/A
Chr4	82755946	82755942	Chr4.64842	Nfb(+250736),Zdhc21(+103629)	N/A
Chr4	82765925	82766156	Chr4.64854	Nfb(+260753),Zdhc21(+83632)	N/A
Chr4	82793196	82793385	Chr4.64856	Nfb(+287983),Zdhc21(+66382)	N/A
Chr4	82850671	82850779	Chr4.64929	Nfb(+345417),Zdhc21(+8948)	N/A
Chr4	82859005	82859130	Chr4.64946	Zdhc21(+605)	N/A
Chr4	82873346	82873532	Chr4.64954	Zdhc21(+13766),Cet1(+11709)	N/A
Chr4	82885173	82885367	Chr4.64988	Cet1(+122)	N/A
Chr4	82891003	82891340	Chr4.64998	Cet1(+6024),Frem1(+129930)	N/A
Chr4	82891478	82891764	Chr4.65000	Cet1(+6473),Frem1(+129481)	N/A
Chr4	82957930	82958097	Chr4.65155	Cet1(+72866),Frem1(+63088)	N/A
Chr4	82972427	82972551	Chr4.65197	Cet1(+87341),Frem1(+48613)	N/A
Chr4	83018652	83018934	Chr4.65313	Cet1(+133645),Frem1(+2309)	N/A
Chr4	83020963	83021109	Chr4.65325	Frem1(+56)	N/A
Chr4	83051868	83052090	Chr4.65343	Frem1(+30877),Tlc39b(+272276)	N/A
Chr4	83052219	83052387	Chr4.65346	Frem1(+31201),Tlc39b(+271952)	N/A
Chr4	83080419	83080529	Chr4.65352	Frem1(+59372),Tlc39b(+243781)	N/A
Chr4	83098581	83098738	Chr4.65365	Frem1(+17558),Tlc39b(+225595)	N/A
Chr4	83122332	83123108	Chr4.65370	Frem1(+101618),Tlc39b(+201335)	N/A
Chr4	83145743	83146133	Chr4.65372	Frem1(+124836),Tlc39b(+178317)	N/A
Chr4	83172331	83172639	Chr4.65382	Frem1(+151383),Tlc39b(+151770)	N/A
Chr4	83199515	83199877	Chr4.65390	Frem1(+178594),Tlc39b(+124559)	N/A
Chr4	4304905	4305054	Chr4.654	Penk(+166503),Impad1(+488375)	N/A
Chr4	83214907	83215323	Chr4.65400	Frem1(+194013),Tlc39b(+109140)	N/A
Chr4	83233210	83233427	Chr4.65434	Frem1(+212217),Tlc39b(+90936)	N/A
Chr4	83284822	83284986	Chr4.65501	Frem1(+263802),Tlc39b(+39351)	N/A
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Chr4	83462686	83462886	Chr4.65566	Pasp1(+23673),Snpc3(+45062)	N/A
Chr4	83468661	83468844	Chr4.65588	Pasp1(+294)	N/A
Chr4	83490897	83487232	Chr4.65591	Pasp1(+606)	N/A
Chr4	83594558	83595946	Chr4.65663	Cdc171(+131157)	N/A
Chr4	83594245	83595762	Chr4.65681	Cdc171(+134049)	N/A
Chr4	83739786	83740123	Chr4.65754	Cdc171(+214410),Bnc2(+935131)	N/A
Chr4	83743079	83743276	Chr4.65760	Cdc171(+217633),Bnc2(+931908)	N/A
Chr4	83831160	83831532	Chr4.65832	Cdc171(+306801),Bnc2(+843740)	N/A
Chr4	83831576	83832379	Chr4.65834	Cdc171(+306433),Bnc2(+843108)	N/A
Chr4	83833209	83833403	Chr4.65842	Cdc171(+307761),Bnc2(+841780)	N/A
Chr4	83846342	83846902	Chr4.65864	Cdc171(+321077),Bnc2(+828464)	N/A
Chr4	83926483	83926811	Chr4.66004	Cdc171(+401102),Bnc2(+748439)	N/A
Chr4	83931787	83931984	Chr4.66012	Cdc171(+406341),Bnc2(+743200)	N/A
Chr4	83932085	83932197	Chr4.66013	Cdc171(+406566),Bnc2(+742949)	N/A
Chr4	83932248	83932515	Chr4.66016	Cdc171(+406837),Bnc2(+742704)	N/A
Chr4	83938051	83938157	Chr4.66019	Cdc171(+412559),Bnc2(+736982)	N/A
Chr4	83941662	83941873	Chr4.66027	Cdc171(+416223),Bnc2(+733318)	N/A
Chr4	83951228	83951428	Chr4.66053	Cdc171(+425783),Bnc2(+723758)	N/A
Chr4	83956870	83957009	Chr4.66061	Cdc171(+431395),Bnc2(+718146)	N/A
Chr4	83957576	83957382	Chr4.66063	Cdc171(+431775),Bnc2(+717766)	N/A
Chr4	83974675	83974819	Chr4.66076	Cdc171(+449202),Bnc2(+700339)	N/A
Chr4	83975888	83976028	Chr4.66082	Cdc171(+450413),Bnc2(+699128)	N/A
Chr4	83976248	83976458	Chr4.66085	Cdc171(+450808),Bnc2(+698733)	N/A
Chr4	83984655	83985000	Chr4.66100	Cdc171(+459283),Bnc2(+690258)	N/A
Chr4	83985156	83985317	Chr4.66106	Cdc171(+459692),Bnc2(+689449)	N/A
Chr4	83987441	83987425	Chr4.66113	Cdc171(+461688),Bnc2(+687853)	N/A
Chr4	83987813	83987997	Chr4.66118	Cdc171(+462360),Bnc2(+687181)	N/A
Chr4	83988260	83988469	Chr4.66125	Cdc171(+462820),Bnc2(+686721)	N/A
Chr4	83989945	83990408	Chr4.66130	Cdc171(+464632),Bnc2(+684909)	N/A
Chr4	83990688	83990788	Chr4.66136	Cdc171(+465183),Bnc2(+684358)	N/A
Chr4	84000395	84000858	Chr4.66142	Cdc171(+475332),Bnc2(+674209)	N/A
Chr4	84001514	84001650	Chr4.66148	Cdc171(+476037),Bnc2(+673504)	N/A

Chr4	84002013	84002129	Chr4.66157	Ccdc171(+476526),Bnc2(+673015)	N/A
Chr4	12169950	12170057	Chr4.6616	Fam92a(+2011),Rbm12b(+129687)	N/A
Chr4	84005292	84005435	Chr4.66162	Ccdc171(+479819),Bnc2(+689722)	N/A
Chr4	84017230	84017368	Chr4.66182	Ccdc171(+491753),Bnc2(+657788)	N/A
Chr4	84018440	84018641	Chr4.66185	Ccdc171(+492996),Bnc2(+656545)	N/A
Chr4	84018856	84019039	Chr4.66189	Ccdc171(+493403),Bnc2(+656138)	N/A
Chr4	84019984	84020095	Chr4.66195	Ccdc171(+494495),Bnc2(+655046)	N/A
Chr4	84028169	84028585	Chr4.66211	Ccdc171(+502832),Bnc2(+646709)	N/A
Chr4	84030622	84030735	Chr4.66228	Ccdc171(+505134),Bnc2(+644407)	N/A
Chr4	84030954	84031147	Chr4.66229	Ccdc171(+505496),Bnc2(+644045)	N/A
Chr4	84031630	84031779	Chr4.66235	Ccdc171(+506160),Bnc2(+643381)	N/A
Chr4	84032310	84032503	Chr4.66238	Ccdc171(+506862),Bnc2(+642679)	N/A
Chr4	84032616	84033151	Chr4.66245	Ccdc171(+507339),Bnc2(+642202)	N/A
Chr4	84036132	84036629	Chr4.66255	Ccdc171(+510836),Bnc2(+638705)	N/A
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Chr4	84065000	84065361	Chr4.66302	Ccdc171(+539636),Bnc2(+608090)	N/A
Chr4	84068936	84069163	Chr4.66310	Ccdc171(+543505),Bnc2(+606036)	N/A
Chr4	84069518	84069640	Chr4.66315	Ccdc171(+544034),Bnc2(+605507)	N/A
Chr4	84069807	84069907	Chr4.66318	Ccdc171(+544312),Bnc2(+605229)	N/A
Chr4	84070116	84070329	Chr4.66320	Ccdc171(+544678),Bnc2(+604863)	N/A
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Chr4	84088301	84088659	Chr4.66380	Ccdc171(+562935),Bnc2(+586606)	N/A
Chr4	84092183	84092397	Chr4.66397	Ccdc171(+566745),Bnc2(+582796)	N/A
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Chr4	84092553	84092754	Chr4.66403	Ccdc171(+567109),Bnc2(+582432)	N/A
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Chr4	84108766	84109113	Chr4.66442	Bnc2(+569146),Ccdc171(+583395)	N/A
Chr4	84110299	84110552	Chr4.66445	Bnc2(+564665),Ccdc171(+584676)	N/A
Chr4	84114779	84114923	Chr4.66462	Bnc2(+560235),Ccdc171(+589305)	N/A
Chr4	84119229	84119397	Chr4.66464	Bnc2(+555773),Ccdc171(+593768)	N/A
Chr4	84119629	84120097	Chr4.66466	Bnc2(+555223),Ccdc171(+594318)	N/A
Chr4	84120252	84120463	Chr4.66468	Bnc2(+554728),Ccdc171(+594813)	N/A
Chr4	84130880	84131137	Chr4.66470	Bnc2(+544077),Ccdc171(+605464)	N/A
Chr4	84136001	84136126	Chr4.66479	Bnc2(+539022),Ccdc171(+610519)	N/A
Chr4	84137834	84138059	Chr4.66488	Bnc2(+537139),Ccdc171(+612402)	N/A
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Chr4	84150746	84150887	Chr4.66501	Bnc2(+524269),Ccdc171(+625272)	N/A
Chr4	84152008	84152398	Chr4.66509	Bnc2(+522883),Ccdc171(+626658)	N/A
Chr4	84158168	84158547	Chr4.66521	Bnc2(+516728),Ccdc171(+632813)	N/A
Chr4	84172747	84173104	Chr4.66534	Bnc2(+502160),Ccdc171(+647381)	N/A
Chr4	84173300	84173528	Chr4.66540	Bnc2(+501672),Ccdc171(+647869)	N/A
Chr4	84174680	84174880	Chr4.66541	Bnc2(+500306),Ccdc171(+649235)	N/A
Chr4	84178000	84178153	Chr4.66555	Bnc2(+497009),Ccdc171(+652532)	N/A
Chr4	84187551	84187662	Chr4.66572	Bnc2(+487479),Ccdc171(+662082)	N/A
Chr4	84189358	84189582	Chr4.66576	Bnc2(+485616),Ccdc171(+663925)	N/A
Chr4	84203757	84203959	Chr4.66591	Bnc2(+471228),Ccdc171(+678313)	N/A
Chr4	84211727	84211838	Chr4.66609	Bnc2(+463303),Ccdc171(+686238)	N/A
Chr4	84214757	84214866	Chr4.66612	Bnc2(+460274),Ccdc171(+689267)	N/A
Chr4	84215670	84215834	Chr4.66614	Bnc2(+459334),Ccdc171(+690207)	N/A
Chr4	84216957	84216834	Chr4.66623	Bnc2(+458340),Ccdc171(+691201)	N/A
Chr4	84247578	84247840	Chr4.66661	Bnc2(+427371),Ccdc171(+722164)	N/A
Chr4	84263436	84263620	Chr4.66670	Bnc2(+411558),Ccdc171(+737983)	N/A
Chr4	84264750	84264900	Chr4.66678	Bnc2(+410261),Ccdc171(+739280)	N/A
Chr4	84265078	84265191	Chr4.66681	Bnc2(+409951),Ccdc171(+739590)	N/A
Chr4	84274196	84274370	Chr4.66738	Bnc2(+408083),Ccdc171(+748738)	N/A
Chr4	84274444	84274625	Chr4.66741	Bnc2(+400551),Ccdc171(+748990)	N/A
Chr4	84286820	84287184	Chr4.66797	Bnc2(+389044),Ccdc171(+761457)	N/A
Chr4	84302830	84302997	Chr4.66866	Bnc2(+372172),Ccdc171(+777369)	N/A
Chr4	84303139	84303238	Chr4.66869	Bnc2(+371897),Ccdc171(+777644)	N/A
Chr4	84308519	84308691	Chr4.66895	Bnc2(+366481),Ccdc171(+783060)	N/A
Chr4	84316198	84316406	Chr4.66906	Bnc2(+358783),Ccdc171(+790758)	N/A
Chr4	84317885	84317845	Chr4.66910	Bnc2(+357321),Ccdc171(+792229)	N/A
Chr4	84318279	84318406	Chr4.66912	Bnc2(+356743),Ccdc171(+792798)	N/A
Chr4	84324864	84325097	Chr4.66920	Bnc2(+350105),Ccdc171(+799436)	N/A
Chr4	84332075	84332285	Chr4.66936	Bnc2(+342906),Ccdc171(+806635)	N/A
Chr4	84349699	84349947	Chr4.66974	Bnc2(+332523),Ccdc171(+824278)	N/A
Chr4	84350255	84350456	Chr4.66978	Bnc2(+324729),Ccdc171(+824812)	N/A
Chr4	84356949	84356849	Chr4.66995	Bnc2(+318437),Ccdc171(+831104)	N/A
Chr4	84356916	84357108	Chr4.66998	Bnc2(+318074),Ccdc171(+831467)	N/A
Chr4	84357313	84357673	Chr4.67000	Bnc2(+317593),Ccdc171(+831948)	N/A
Chr4	84358529	84358747	Chr4.67003	Bnc2(+316448),Ccdc171(+833093)	N/A
Chr4	84362086	84362425	Chr4.67009	Bnc2(+312830),Ccdc171(+838711)	N/A
Chr4	84362459	84362915	Chr4.67012	Bnc2(+312399),Ccdc171(+837142)	N/A
Chr4	84363056	84363191	Chr4.67013	Bnc2(+311962),Ccdc171(+837579)	N/A
Chr4	84403750	84404254	Chr4.67140	Bnc2(+271084),Ccdc171(+878457)	N/A
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Chr4	84426153	84426328	Chr4.67210	Bnc2(+248845),Ccdc171(+900696)	N/A
Chr4	12307229	12307701	Chr4.6722	Fam92a(+135450)	N/A
Chr4	84450745	84450846	Chr4.67254	Bnc2(+224290),Ccdc171(+925251)	N/A
Chr4	84453410	84453521	Chr4.67280	Bnc2(+221620),Ccdc171(+927921)	N/A
Chr4	84454136	84454039	Chr4.67266	Bnc2(+220548),Ccdc171(+928993)	N/A
Chr4	84455077	84455401	Chr4.67270	Bnc2(+219847),Ccdc171(+929694)	N/A
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Chr4	84457219	84457620	Chr4.67285	Bnc2(+217666),Ccdc171(+931875)	N/A
Chr4	84457663	84457934	Chr4.67287	Bnc2(+217287),Ccdc171(+932254)	N/A
Chr4	84458290	84458509	Chr4.67290	Bnc2(+216686),Ccdc171(+932855)	N/A
Chr4	84462476	84462919	Chr4.67349	Bnc2(+192388),Ccdc171(+957153)	N/A
Chr4	84491994	84492272	Chr4.67375	Bnc2(+182853),Ccdc171(+966588)	N/A
Chr4	84500172	84500300	Chr4.67397	Bnc2(+174850),Ccdc171(+974691)	N/A
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Chr4	84502672	84502891	Chr4.67415	Bnc2(+172304),Ccdc171(+977237)	N/A
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Chr4	84505400	84505700	Chr4.67424	Bnc2(+169536),Ccdc171(+980005)	N/A
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Chr4	84523780	84524182	Chr4.67467	Bnc2(+151105),Ccdc171(+998436)	N/A
Chr4	84524293	84524416	Chr4.67474	Bnc2(+150731),Ccdc171(+998810)	N/A
Chr4	84527696	84527863	Chr4.67486	Bnc2(+147306)	N/A
Chr4	84544314	84544477	Chr4.67577	Bnc2(+130890)	N/A
Chr4	84544696	84544904	Chr4.67580	Bnc2(+130286)	N/A
Chr4	84545253	84545575	Chr4.67583	Bnc2(+129672)	N/A
Chr4	84545928	84546101	Chr4.67588	Bnc2(+129071)	N/A
Chr4	84546532	84546786	Chr4.67592	Bnc2(+128427)	N/A
Chr4	84547525	84548314	Chr4.67595	Bnc2(+127166)	N/A
Chr4	84548674	84549111	Chr4.67599	Bnc2(+126193)	N/A
Chr4	84560435	84560721	Chr4.67626	Bnc2(+114508)	N/A
Chr4	84568114	84568215	Chr4.67644	Bnc2(+106921)	N/A
Chr4	84580486	84580769	Chr4.67678	Bnc2(+94458)	N/A
Chr4	84627672	84627844	Chr4.67765	Bnc2(+47328)	N/A
Chr4	84628327	84628560	Chr4.67768	Bnc2(+46642)	N/A
Chr4	84633254	84633477	Chr4.67774	Bnc2(+41720)	N/A
Chr4	84633599	84633774	Chr4.67777	Bnc2(+41399)	N/A
Chr4	84634072	84634336	Chr4.67780	Bnc2(+40882)	N/A
Chr4	84634676	84635215	Chr4.67783	Bnc2(+40140)	N/A
Chr4	84635703	84636090	Chr4.67787	Bnc2(+39189)	N/A
Chr4	84637327	84637722	Chr4.67793	Bnc2(+37561)	N/A
Chr4	84637856	84638180	Chr4.67795	Bnc2(+37019)	N/A
Chr4	84639200	84639704	Chr4.67803	Bnc2(+35634)	N/A
Chr4	84644337	84644557	Chr4.67812	Bnc2(+30639)	N/A
Chr4	84644643	84644754	Chr4.67817	Bnc2(+30387)	N/A
Chr4	84652975	84653232	Chr4.67828	Bnc2(+21982)	N/A
Chr4	84669125	84669157	Chr4.67852	Bnc2(+5645)	N/A
Chr4	84671361	84671468	Chr4.67857	Bnc2(+3671)	N/A
Chr4	84671964	84672843	Chr4.67864	Bnc2(+2682)	N/A
Chr4	84673707	84673999	Chr4.67871	Bnc2(+1233)	N/A
Chr4	84674054	84674164	Chr4.67874	Bnc2(+977)	N/A
Chr4	84676136	84676255	Chr4.67876	Bnc2(+1110)	N/A
Chr4	84676878	84677057	Chr4.67883	Bnc2(+1882)	N/A
Chr4	12421739	12421846	Chr4.6794	Fam92a(+249778)	N/A

Chr4	84752793	84753089	Chr4.67959	Cntln(-131524),Bnc2(-77855)	N/A
Chr4	84753119	84753410	Chr4.67965	Cntln(-131200),Bnc2(-78179)	N/A
Chr4	84753790	84754009	Chr4.67970	Cntln(-130565),Bnc2(-78814)	N/A
Chr4	84766804	84766972	Chr4.67984	Cntln(-117571),Bnc2(-91802)	N/A
Chr4	12421902	12422236	Chr4.6799	Fam92a(-250054)	N/A
Chr4	84767448	84767738	Chr4.67990	Cntln(-116872),Bnc2(-92507)	N/A
Chr4	84767973	84769175	Chr4.67995	Cntln(-115891),Bnc2(-93488)	N/A
Chr4	84786085	84786261	Chr4.68026	Bnc2(-111087),Cntln(-98292)	N/A
Chr4	84786311	84786574	Chr4.68030	Bnc2(-111357),Cntln(-98022)	N/A
Chr4	84786746	84786860	Chr4.68035	Bnc2(-111717),Cntln(-97652)	N/A
Chr4	84793133	84793413	Chr4.68043	Bnc2(-118187),Cntln(-91192)	N/A
Chr4	84798658	84798760	Chr4.68063	Bnc2(-123623),Cntln(-85756)	N/A
Chr4	84850264	84850447	Chr4.68104	Bnc2(-175270),Cntln(-34109)	N/A
Chr4	84850482	84850656	Chr4.68107	Bnc2(-175483),Cntln(-33896)	N/A
Chr4	84860380	84860799	Chr4.68115	Bnc2(-185504),Cntln(-23875)	N/A
Chr4	84883856	84884112	Chr4.68135	Cntln(-481)	N/A
Chr4	84884355	84884477	Chr4.68140	Cntln(-49)	N/A
Chr4	84942130	84942389	Chr4.68156	Sh3gl2(-263181),Cntln(-57795)	N/A
Chr4	84942678	84943045	Chr4.68161	Sh3gl2(-262579),Cntln(-58397)	N/A
Chr4	85045781	85046087	Chr4.68232	Sh3gl2(-159207),Cntln(-161469)	N/A
Chr4	85309632	85309732	Chr4.68412	Adamtst1(-744233),Sh3gl2(+104241)	N/A
Chr4	85389266	85389419	Chr4.68489	Adamtst1(-664572),Sh3gl2(+183902)	N/A
Chr4	85439929	85440237	Chr4.68517	Adamtst1(-613832),Sh3gl2(+234642)	N/A
Chr4	85440271	85440389	Chr4.68520	Adamtst1(-613585),Sh3gl2(+234889)	N/A
Chr4	85527213	85527341	Chr4.68613	Adamtst1(-626638),Sh3gl2(+321836)	N/A
Chr4	85527453	85527553	Chr4.68614	Adamtst1(-626412),Sh3gl2(+322062)	N/A
Chr4	12501423	12501528	Chr4.6874	Fam92a(-329461)	N/A
Chr4	85673638	85673785	Chr4.68811	Adamtst1(-380203),Sh3gl2(+468271)	N/A
Chr4	12506622	12506824	Chr4.6882	Fam92a(-334708)	N/A
Chr4	85707385	85707853	Chr4.68846	Adamtst1(-346296),Sh3gl2(+502178)	N/A
Chr4	12507200	12507370	Chr4.6886	Fam92a(-336270)	N/A
Chr4	12511921	12511233	Chr4.6889	Fam92a(-340122)	N/A
Chr4	85741877	85742470	Chr4.68901	Adamtst1(-311741),Sh3gl2(+536733)	N/A
Chr4	85756847	85757186	Chr4.68921	Adamtst1(-296898),Sh3gl2(+551576)	N/A
Chr4	85764752	85764924	Chr4.68939	Adamtst1(-289077),Sh3gl2(+559397)	N/A
Chr4	85831772	85832172	Chr4.69005	Adamtst1(-621943),Sh3gl2(+326531)	N/A
Chr4	85837139	85837519	Chr4.69013	Adamtst1(-216586),Sh3gl2(+631868)	N/A
Chr4	85837731	85838013	Chr4.69018	Adamtst1(-216043),Sh3gl2(+632431)	N/A
Chr4	85838146	85838253	Chr4.69019	Adamtst1(-215715),Sh3gl2(+632759)	N/A
Chr4	85838479	85838684	Chr4.69022	Adamtst1(-215333),Sh3gl2(+633141)	N/A
Chr4	85844757	85844954	Chr4.69028	Adamtst1(-209059),Sh3gl2(+639415)	N/A
Chr4	85845976	85846265	Chr4.69036	Adamtst1(-207794),Sh3gl2(+640680)	N/A
Chr4	85845933	85846470	Chr4.69057	Adamtst1(-199013),Sh3gl2(+649461)	N/A
Chr4	85915627	85915765	Chr4.69109	Adamtst1(-138219),Sh3gl2(+710255)	N/A
Chr4	85916015	85916575	Chr4.69113	Adamtst1(-137620),Sh3gl2(+710854)	N/A
Chr4	85918617	85918722	Chr4.69118	Adamtst1(-135245),Sh3gl2(+713229)	N/A
Chr4	85976312	85976421	Chr4.69188	Adamtst1(-77548),Sh3gl2(+770926)	N/A
Chr4	85980208	85980359	Chr4.69203	Adamtst1(-73631),Sh3gl2(+774943)	N/A
Chr4	86019595	86019770	Chr4.69256	Adamtst1(-34322),Sh3gl2(+814242)	N/A
Chr4	86020661	86020854	Chr4.69261	Adamtst1(-33157),Sh3gl2(+815317)	N/A
Chr4	86023276	86023455	Chr4.69272	Adamtst1(-30549),Sh3gl2(+817925)	N/A
Chr4	12534284	12534459	Chr4.6928	Fam92a(-362357)	N/A
Chr4	86025154	86025309	Chr4.69280	Adamtst1(-28683),Sh3gl2(+819791)	N/A
Chr4	86030386	86030348	Chr4.69287	Adamtst1(-23698),Sh3gl2(+824776)	N/A
Chr4	86030429	86030535	Chr4.69290	Adamtst1(-23433),Sh3gl2(+825041)	N/A
Chr4	86031097	86031433	Chr4.69296	Adamtst1(-22650),Sh3gl2(+825824)	N/A
Chr4	86041138	86041353	Chr4.69310	Adamtst1(-12669),Sh3gl2(+835805)	N/A
Chr4	86041465	86041666	Chr4.69311	Adamtst1(-12349),Sh3gl2(+836125)	N/A
Chr4	86053037	86053277	Chr4.69336	Adamtst1(-758)	N/A
Chr4	86053382	86053693	Chr4.69343	Adamtst1(-377)	N/A
Chr4	86053808	86054143	Chr4.69348	Adamtst1(+61)	N/A
Chr4	86054589	86054734	Chr4.69350	Adamtst1(+747)	N/A
Chr4	86054784	86055106	Chr4.69353	Adamtst1(+1030),Saxo1(+503358)	N/A
Chr4	86056776	86057088	Chr4.69360	Adamtst1(+3016),Saxo1(+501372)	N/A
Chr4	86063668	86063968	Chr4.69388	Adamtst1(+15598),Saxo1(+489790)	N/A
Chr4	86074943	86075082	Chr4.69397	Adamtst1(+21098),Saxo1(+483290)	N/A
Chr4	86075174	86075288	Chr4.69399	Adamtst1(+21316),Saxo1(+483072)	N/A
Chr4	12538369	12538538	Chr4.6942	Fam92a(-366439)	N/A
Chr4	86122518	86122637	Chr4.69466	Adamtst1(+68663),Saxo1(+435725)	N/A
Chr4	86122672	86122816	Chr4.69468	Adamtst1(+68629),Saxo1(+435569)	N/A
Chr4	86124649	86124753	Chr4.69473	Adamtst1(+70796),Saxo1(+432860)	N/A
Chr4	86170948	86171118	Chr4.69505	Adamtst1(+117118),Saxo1(+387270)	N/A
Chr4	86181625	86181853	Chr4.69521	Adamtst1(+127824),Saxo1(+376564)	N/A
Chr4	86183941	86184094	Chr4.69528	Adamtst1(+130103),Saxo1(+374285)	N/A
Chr4	86189933	86189040	Chr4.69538	Adamtst1(+136072),Saxo1(+368316)	N/A
Chr4	86201975	86202172	Chr4.69576	Adamtst1(+148159),Saxo1(+356229)	N/A
Chr4	86209696	86209824	Chr4.69585	Adamtst1(+155845),Saxo1(+348543)	N/A
Chr4	86243706	86243805	Chr4.69640	Adamtst1(+189841),Saxo1(+314547)	N/A
Chr4	86266547	86266650	Chr4.69687	Adamtst1(+212684),Saxo1(+291704)	N/A
Chr4	86275716	86275864	Chr4.69700	Adamtst1(+221875),Saxo1(+282513)	N/A
Chr4	86276213	86276317	Chr4.69705	Adamtst1(+222350),Saxo1(+282038)	N/A
Chr4	86289032	86290053	Chr4.69750	Adamtst1(+236078),Saxo1(+268236)	N/A
Chr4	86294839	86295062	Chr4.69758	Adamtst1(+241036),Saxo1(+263352)	N/A
Chr4	86295362	86295485	Chr4.69763	Adamtst1(+241509),Saxo1(+262879)	N/A
Chr4	86337343	86337486	Chr4.69820	Saxo1(+220888),Adamtst1(+283500)	N/A
Chr4	86341463	86341594	Chr4.69828	Saxo1(+216774),Adamtst1(+287614)	N/A
Chr4	86351891	86352177	Chr4.69893	Saxo1(+206269),Adamtst1(+298126)	N/A
Chr4	86352578	86352686	Chr4.69900	Saxo1(+205671),Adamtst1(+298717)	N/A
Chr4	86359663	86359827	Chr4.69919	Saxo1(+198558),Adamtst1(+305830)	N/A
Chr4	86397428	86397596	Chr4.69967	Saxo1(+160791),Adamtst1(+343597)	N/A
Chr4	86406531	86406811	Chr4.69982	Saxo1(+151632),Adamtst1(+352756)	N/A
Chr4	86407879	86408259	Chr4.69994	Saxo1(+150234),Adamtst1(+354154)	N/A
Chr4	12560768	12561020	Chr4.7000	Fam92a(-368879)	N/A
Chr4	86416604	86417049	Chr4.70021	Saxo1(+141476),Adamtst1(+362912)	N/A
Chr4	86464915	86465041	Chr4.70101	Saxo1(+93325),Adamtst1(+411063)	N/A
Chr4	86504744	86504884	Chr4.70144	Saxo1(+53489),Adamtst1(+450899)	N/A
Chr4	86520651	86521004	Chr4.70158	Saxo1(+37475),Adamtst1(+466913)	N/A
Chr4	86527696	86528029	Chr4.70177	Saxo1(+30440),Adamtst1(+473946)	N/A
Chr4	86533727	86534017	Chr4.70188	Saxo1(+24431),Adamtst1(+479957)	N/A
Chr4	86542620	86542845	Chr4.70204	Saxo1(+15570),Adamtst1(+488818)	N/A
Chr4	86552954	86553149	Chr4.70214	Saxo1(+5251),Adamtst1(+499137)	N/A
Chr4	86577126	86577284	Chr4.70240	Rrga(+1532),Haus6(+34850)	N/A
Chr4	12578214	12578414	Chr4.7027	Fam92a(-406299)	N/A
Chr4	86713045	86713200	Chr4.70360	Plin2(-43063),Denn4c(-35432)	N/A
Chr4	86750399	86750634	Chr4.70373	Denn4c(+1962),Rps6(+106895)	N/A
Chr4	86814408	86814737	Chr4.70430	Rps6(+42839),Denn4c(+66018)	N/A
Chr4	12591396	12591788	Chr4.7050	Fam92a(-419577)	N/A
Chr4	86899010	86899222	Chr4.70542	Acer2(+24720),Slc24a2(+328847)	N/A
Chr4	12592764	12593076	Chr4.7056	Fam92a(-420965)	N/A
Chr4	12597289	12597452	Chr4.7066	Fam92a(-426356)	N/A
Chr4	87041380	87041670	Chr4.70690	Acer2(+167129),Slc24a2(+186438)	N/A
Chr4	87057827	87057890	Chr4.70714	Slc24a2(+170204),Acer2(+183363)	N/A
Chr4	87077171	87077355	Chr4.70746	Slc24a2(+150700),Acer2(+202867)	N/A
Chr4	87088803	87088946	Chr4.70765	Slc24a2(+139088),Acer2(+214479)	N/A
Chr4	87229579	87229701	Chr4.70920	Slc24a2(-1677)	N/A
Chr4	87230522	87230628	Chr4.70929	Slc24a2(-2612)	N/A
Chr4	87367989	87368133	Chr4.70962	Slc24a2(-140098),Mli3(+665303)	N/A
Chr4	12628215	12628318	Chr4.7099	Fam92a(-456252)	N/A
Chr4	87385475	87385740	Chr4.71001	Slc24a2(-157645),Mli3(+647756)	N/A
Chr4	87386422	87386653	Chr4.71007	Slc24a2(-158575),Mli3(+646826)	N/A
Chr4	12628473	12628693	Chr4.7101	Fam92a(-456703)	N/A
Chr4	87401662	87401969	Chr4.71023	Slc24a2(-173853),Mli3(+631548)	N/A
Chr4	87422465	87422683	Chr4.71050	Slc24a2(-194611),Mli3(+610790)	N/A
Chr4	87447704	87447920	Chr4.71103	Slc24a2(-219849),Mli3(+585552)	N/A
Chr4	87451101	87451349	Chr4.71119	Slc24a2(-223262),Mli3(+582139)	N/A
Chr4	87460976	87461279	Chr4.71141	Slc24a2(-233165),Mli3(+572236)	N/A
Chr4	87461366	87461668	Chr4.71142	Slc24a2(-233554),Mli3(+571847)	N/A
Chr4	87471419	87471767	Chr4.71152	Slc24a2(-243630),Mli3(+561771)	N/A
Chr4	12642938	12643164	Chr4.7119	Fam92a(-471036)	N/A
Chr4	87638010	87638258	Chr4.71265	Slc24a2(-410171),Mli3(+395230)	N/A
Chr4	87638467	87638632	Chr4.71266	Slc24a2(-410587),Mli3(+394814)	N/A
Chr4	87648453	87648635	Chr4.71276	Slc24a2(-420731),Mli3(+384707)	N/A
Chr4	87649102	87649289	Chr4.71281	Slc24a2(-421233),Mli3(+384168)	N/A
Chr4	87652720	87652880	Chr4.71290	Slc24a2(-424837),Mli3(+380564)	N/A
Chr4	87659696	87659838	Chr4.71299	Slc24a2(-431804),Mli3(+373597)	N/A
Chr4	87672542	87672726	Chr4.71324	Slc24a2(-444671),Mli3(+360730)	N/A
Chr4	87709297	87709507	Chr4.71372	Slc24a2(-481438),Mli3(+323962)	N/A
Chr4	12655241	12655611	Chr4.7138	Fam92a(-463411)	N/A

Chr4	87731160	87731650	Chr4.71390	Slc24a2(-503442),Mli3(+301959)	N/A
Chr4	87739711	87739827	Chr4.71410	Slc24a2(-511806),Mli3(+293595)	N/A
Chr4	87749703	87749812	Chr4.71420	Slc24a2(-521795),Mli3(+263606)	N/A
Chr4	87769990	87769385	Chr4.71437	Slc24a2(-540225),Mli3(+265176)	N/A
Chr4	12658663	12658949	Chr4.7144	Fam92a(-486791)	N/A
Chr4	87778123	87778224	Chr4.71471	Slc24a2(-550211),Mli3(+255190)	N/A
Chr4	87785496	87785951	Chr4.71496	Slc24a2(-557671),Mli3(+247640)	N/A
Chr4	87806189	87806414	Chr4.71574	Slc24a2(-578339),Mli3(+227062)	N/A
Chr4	87834999	87834640	Chr4.71609	Slc24a2(-606557),Mli3(+198844)	N/A
Chr4	87927533	87927737	Chr4.71714	Slc24a2(-699672),Mli3(+105729)	N/A
Chr4	87928747	87929276	Chr4.71719	Slc24a2(-701049),Mli3(+104352)	N/A
Chr4	87930992	87931332	Chr4.71725	Slc24a2(-703199),Mli3(+102202)	N/A
Chr4	87975485	87975681	Chr4.71789	Slc24a2(-747620),Mli3(+57781)	N/A
Chr4	87978006	87978120	Chr4.71800	Slc24a2(-750100),Mli3(+55301)	N/A
Chr4	87983194	87984141	Chr4.71814	Slc24a2(-755031),Mli3(+49395)	N/A
Chr4	87984653	87984824	Chr4.71816	Slc24a2(-756781),Mli3(+49620)	N/A
Chr4	88012728	88013048	Chr4.71838	Slc24a2(-784925),Mli3(+20476)	N/A
Chr4	88015513	88015748	Chr4.71855	Slc24a2(-787668),Mli3(+17733)	N/A
Chr4	88017313	88017911	Chr4.71866	Slc24a2(-789649),Mli3(+15752)	N/A
Chr4	88030303	88030607	Chr4.71902	Slc24a2(-802492),Mli3(+2909)	N/A
Chr4	88032147	88032299	Chr4.71914	Slc24a2(-804260),Mli3(+1141)	N/A
Chr4	88033075	88033230	Chr4.71920	Mli3(+211)	N/A
Chr4	88033438	88033550	Chr4.71923	Mli3(-130)	N/A
Chr4	88033600	88033708	Chr4.71924	Mli3(-290)	N/A
Chr4	88034240	88034426	Chr4.71928	Mli3(-969)	N/A
Chr4	88136103	88136355	Chr4.72012	Focad(+41599),Hacd4(+302697)	N/A
Chr4	88136534	88136686	Chr4.72016	Focad(+42121),Hacd4(+302175)	N/A
Chr4	88137491	88137681	Chr4.72022	Focad(+42956),Hacd4(+301340)	N/A
Chr4	88157576	88157921	Chr4.72030	Focad(+63119),Hacd4(+281177)	N/A
Chr4	88159881	88159993	Chr4.72035	Focad(+65307),Hacd4(+278989)	N/A
Chr4	88237263	88237826	Chr4.72155	Focad(+142916),Hacd4(+201380)	N/A
Chr4	88238464	88238780	Chr4.72166	Focad(+143992),Hacd4(+200304)	N/A
Chr4	12773942	12774165	Chr4.7223	Runx11(-977243),Fam92a(-602039)	N/A
Chr4	88338003	88338312	Chr4.72249	Hacd4(+100768),Focad(+243528)	N/A
Chr4	12774781	12775555	Chr4.7227	Runx11(-976129),Fam92a(-603153)	N/A
Chr4	88372385	88372834	Chr4.72345	Hacd4(+66516),Focad(+277980)	N/A
Chr4	12776388	12776388	Chr4.7240	Runx11(-975031),Fam92a(-604251)	N/A
Chr4	88436696	88436865	Chr4.72419	Hacd4(+2145),Focad(+342151)	N/A
Chr4	88480067	88480171	Chr4.72428	Hacd4(-41193),Ilnb1(+42675)	N/A
Chr4	88503907	88504019	Chr4.72432	Hacd4(-65037),Ilnb1(+18831)	N/A
Chr4	12781861	12781971	Chr4.7246	Runx11(-969381),Fam92a(-609901)	N/A
Chr4	88718600	88718726	Chr4.72469	Ilnab(-27392),Klnb(+3805)	N/A
Chr4	12782002	12782216	Chr4.7249	Runx11(-969138),Fam92a(-610144)	N/A
Chr4	12782643	12782762	Chr4.7259	Runx11(-968594),Fam92a(-610688)	N/A
Chr4	88950662	88950837	Chr4.72618	Mtap(-186372),Ilnb(-70549)	N/A
Chr4	89058587	89058855	Chr4.72694	Ilnb(-178520),Mtap(-78401)	N/A
Chr4	89075398	89075591	Chr4.72707	Ilnb(-195294),Mtap(-616027)	N/A
Chr4	12787158	12787297	Chr4.7271	Runx11(-964069),Fam92a(-615213)	N/A
Chr4	89079006	89079136	Chr4.72715	Ilnb(-198870),Mtap(-58051)	N/A
Chr4	89101438	89101575	Chr4.72743	Ilnb(-221306),Mtap(-35615)	N/A
Chr4	89128524	89128696	Chr4.72752	Ilnb(-248409),Mtap(-8512)	N/A
Chr4	12792367	12792501	Chr4.7281	Runx11(-958863),Fam92a(-620419)	N/A
Chr4	12793028	12793356	Chr4.7284	Runx11(-958015),Fam92a(-621267)	N/A
Chr4	89428042	89428153	Chr4.72889	Dmrt1(-260100),Cdkn2b(-117066)	N/A
Chr4	89469785	89470251	Chr4.72932	Dmrt1(-218180),Cdkn2b(-158986)	N/A
Chr4	12799699	12799967	Chr4.7295	Runx11(-951464),Fam92a(-627818)	N/A
Chr4	12800086	12800231	Chr4.7299	Runx11(-951138),Fam92a(-628144)	N/A
Chr4	89638723	89638944	Chr4.73042	Cdkn2b(-327802),Dmrt1(-49364)	N/A
Chr4	89644554	89644554	Chr4.73050	Cdkn2b(-333413),Dmrt1(-43753)	N/A
Chr4	89650222	89650556	Chr4.73071	Cdkn2b(-339407),Dmrt1(-37759)	N/A
Chr4	89650764	89651038	Chr4.73075	Cdkn2b(-339869),Dmrt1(-37297)	N/A
Chr4	12836511	12836646	Chr4.7323	Runx11(-914718),Fam92a(-664564)	N/A
Chr4	12858429	12858542	Chr4.7334	Runx11(-892811),Fam92a(-686471)	N/A
Chr4	91080529	91080687	Chr4.73904	Elavl2(-318376),Zfp352(+861788)	N/A
Chr4	91081354	91081491	Chr4.73912	Elavl2(-318561),Zfp352(+862603)	N/A
Chr4	91082290	91082496	Chr4.73925	Elavl2(-307591),Zfp352(+873573)	N/A
Chr4	91121103	91121204	Chr4.73980	Elavl2(+278830),Zfp352(+902334)	N/A
Chr4	91237206	91237504	Chr4.74109	Elavl2(+162629)	N/A
Chr4	91374301	91374429	Chr4.74390	Elavl2(+25619)	N/A
Chr4	91375135	91375240	Chr4.74397	Elavl2(+24796)	N/A
Chr4	91375305	91375627	Chr4.74398	Elavl2(+24518)	N/A
Chr4	91375676	91376065	Chr4.74401	Elavl2(+24113)	N/A
Chr4	91376343	91376974	Chr4.74403	Elavl2(+23325)	N/A
Chr4	91380924	91381077	Chr4.74432	Elavl2(+18983)	N/A
Chr4	91399790	91400213	Chr4.74487	Elavl2(-18)	N/A
Chr4	13028019	13028195	Chr4.7518	Fam92a(-856092),Runx11(-723190)	N/A
Chr4	13063502	13063927	Chr4.7577	Fam92a(-921700),Runx11(-657582)	N/A
Chr4	13066291	13066528	Chr4.7580	Fam92a(-924395),Runx11(-654887)	N/A
Chr4	93437046	93437157	Chr4.75838	Tuscl(-101591)	N/A
Chr4	93437345	93437596	Chr4.75842	Tuscl(-101960)	N/A
Chr4	93438814	93438947	Chr4.75946	Tuscl(-103370)	N/A
Chr4	93540558	93540774	Chr4.75966	Tuscl(-205155)	N/A
Chr4	13108279	13108389	Chr4.7605	Fam92a(-936319),Runx11(-642963)	N/A
Chr4	93879570	93879862	Chr4.76218	Gm10306(-676830),Tuscl(-544205)	N/A
Chr4	13158974	13159417	Chr4.7696	Fam92a(-987181),Runx11(-592101)	N/A
Chr4	94603167	94603282	Chr4.76983	Plaa(+19)	N/A
Chr4	94739145	94739697	Chr4.77104	Tek(+121)	N/A
Chr4	94746493	94746713	Chr4.77111	Tek(+7303),Egtn(+182191)	N/A
Chr4	4723705	4723917	Chr4.774	Penk(-585334),Impad1(+69544)	N/A
Chr4	95048045	95048315	Chr4.77408	Myam1(-69080),Jun(+4042)	N/A
Chr4	95048372	95048593	Chr4.77410	Myam1(-69383),Jun(+3739)	N/A
Chr4	95049019	95049256	Chr4.77415	Myam1(-70038),Jun(+3084)	N/A
Chr4	95049528	95049821	Chr4.77418	Myam1(-70575),Jun(+2547)	N/A
Chr4	95054507	95054607	Chr4.77439	Jun(-2335)	N/A
Chr4	95074492	95074623	Chr4.77448	Fggy(-482949),Jun(-22336)	N/A
Chr4	95082769	95082951	Chr4.77457	Fggy(-474647),Jun(-30638)	N/A
Chr4	13206817	13207339	Chr4.7747	Runx11(-544219)	N/A
Chr4	9509134	95092686	Chr4.77471	Fggy(-469307),Jun(-45978)	N/A
Chr4	95099404	95098568	Chr4.77474	Fggy(-459021),Jun(-46264)	N/A
Chr4	95108520	95108954	Chr4.77490	Fggy(-448770),Jun(-56515)	N/A
Chr4	95117327	95117439	Chr4.77496	Fggy(-440124),Jun(-65161)	N/A
Chr4	95133944	95134196	Chr4.77506	Fggy(-423437),Jun(-81848)	N/A
Chr4	95137726	95137978	Chr4.77511	Fggy(-419655),Jun(-85630)	N/A
Chr4	95144470	95144649	Chr4.77526	Fggy(-412947),Jun(-92338)	N/A
Chr4	13207613	13207842	Chr4.7753	Runx11(-543569)	N/A
Chr4	95151850	95151952	Chr4.77532	Fggy(-405606),Jun(-99679)	N/A
Chr4	95154172	95154273	Chr4.77538	Fggy(-403284),Jun(-102001)	N/A
Chr4	95156887	95157132	Chr4.77542	Fggy(-400497),Jun(-104788)	N/A
Chr4	95169724	95169872	Chr4.77565	Fggy(-387709),Jun(-117576)	N/A
Chr4	95197388	95197652	Chr4.77565	Fggy(-359897),Jun(-145298)	N/A
Chr4	95278992	95279236	Chr4.77624	Fggy(-278393),Jun(-226892)	N/A
Chr4	95295798	95295927	Chr4.77634	Fggy(-261644),Jun(-243641)	N/A
Chr4	95303493	95303632	Chr4.77646	Fggy(-253944),Jun(-251341)	N/A
Chr4	95308779	95308994	Chr4.77657	Jun(-256619),Fggy(-248670)	N/A
Chr4	95317914	95318179	Chr4.77659	Jun(-265825),Fggy(-239446)	N/A
Chr4	95354018	95354336	Chr4.77679	Jun(-301953),Fggy(-203330)	N/A
Chr4	95376558	95376752	Chr4.77689	Jun(-324433),Fggy(-180852)	N/A
Chr4	95378824	95378958	Chr4.77693	Jun(-326669),Fggy(-178616)	N/A
Chr4	95444337	95444549	Chr4.77750	Jun(-392221),Fggy(-113064)	N/A
Chr4	95456871	95456966	Chr4.77757	Jun(-404997),Fggy(-100688)	N/A
Chr4	95476289	95476508	Chr4.77769	Jun(-424176),Fggy(-81109)	N/A
Chr4	95483730	95483939	Chr4.77775	Jun(-431613),Fggy(-73672)	N/A
Chr4	95489034	95489364	Chr4.77791	Jun(-436977),Fggy(-68308)	N/A
Chr4	95507544	95507667	Chr4.77810	Jun(-455384),Fggy(-49901)	N/A
Chr4	95586312	95586467	Chr4.77858	Hook1(-380850),Fggy(+28883)	N/A
Chr4	95585979	95586723	Chr4.77861	Hook1(-380589),Fggy(+29144)	N/A
Chr4	95636485	95636613	Chr4.77926	Hook1(-330691),Fggy(+79042)	N/A
Chr4	95636695	95636809	Chr4.77929	Hook1(-330488),Fggy(+79245)	N/A
Chr4	13241286	13241401	Chr4.7793	Runx11(-509953)	N/A
Chr4	95636840	95637215	Chr4.77931	Hook1(-330212),Fggy(+79521)	N/A
Chr4	95637271	95637377	Chr4.77936	Hook1(-329916),Fggy(+79617)	N/A
Chr4	95637414	95637527	Chr4.77937	Hook1(-329789),Fggy(+79964)	N/A
Chr4	95637573	95637713	Chr4.77939	Hook1(-329597),Fggy(+80136)	N/A
Chr4	13241744	13241985	Chr4.7795	Runx11(-509432)	N/A
Chr4	95652445	95652551	Chr4.77957	Hook1(-314742),Fggy(+94991)	N/A
Chr4	95653262	95653493	Chr4.77961	Hook1(-313662),Fggy(+95871)	N/A
Chr4	95653534	95653633	Chr4.77964	Hook1(-313568),Fggy(+96077)	N/A
Chr4	95666539	95666729	Chr4.77978	Hook1(-300609),Fggy(+109127)	N/A

Chr4	13242019	13242413	Chr4.7798	Runx11(-509081)	N/A
Chr4	95679399	95679626	Chr4.77993	Hook1(-287727),Fggy(+122006)	N/A
Chr4	95684391	95684691	Chr4.77997	Hook1(-287699),Fggy(+127034)	N/A
Chr4	13242510	13242727	Chr4.7800	Runx11(-508678)	N/A
Chr4	95684765	95685090	Chr4.78001	Hook1(-282312),Fggy(+127421)	N/A
Chr4	95728758	95728904	Chr4.78050	Hook1(-238409),Fggy(+171324)	N/A
Chr4	95729458	95729675	Chr4.78054	Hook1(-237673),Fggy(+172060)	N/A
Chr4	95733804	95734023	Chr4.78064	Hook1(-233281),Fggy(+176452)	N/A
Chr4	95738247	95738402	Chr4.78069	Hook1(-228915),Fggy(+180818)	N/A
Chr4	95743024	95743282	Chr4.78077	Hook1(-224087),Fggy(+185646)	N/A
Chr4	95759273	95759415	Chr4.78091	Hook1(-207896),Fggy(+201837)	N/A
Chr4	95759582	95759746	Chr4.78094	Hook1(-207576),Fggy(+202157)	N/A
Chr4	95771964	95772407	Chr4.78113	Hook1(-195054),Fggy(+214679)	N/A
Chr4	95772620	95772873	Chr4.78116	Hook1(-194493),Fggy(+215240)	N/A
Chr4	95777888	95778092	Chr4.78124	Hook1(-189200),Fggy(+220535)	N/A
Chr4	95778155	95778316	Chr4.78125	Hook1(-189004),Fggy(+220729)	N/A
Chr4	95789065	95789252	Chr4.78133	Hook1(-178081),Fggy(+231652)	N/A
Chr4	95794510	95794754	Chr4.78137	Hook1(-172608),Fggy(+237125)	N/A
Chr4	95819574	95820029	Chr4.78147	Hook1(-147438),Fggy(+262295)	N/A
Chr4	95845996	95846269	Chr4.78182	Hook1(-121107),Fggy(+288626)	N/A
Chr4	95846791	95846939	Chr4.78186	Hook1(-120370),Fggy(+289358)	N/A
Chr4	13248143	13248274	Chr4.7819	Runx11(-503088)	N/A
Chr4	95849712	95849811	Chr4.78192	Hook1(-117478),Fggy(+292255)	N/A
Chr4	95861235	95861337	Chr4.78209	Hook1(-105954),Fggy(+303779)	N/A
Chr4	95870647	95871020	Chr4.78215	Hook1(-96406),Fggy(+313327)	N/A
Chr4	95875069	95875325	Chr4.78220	Hook1(-92043),Fggy(+317690)	N/A
Chr4	95881623	95881840	Chr4.78236	Hook1(-85508),Fggy(+324225)	N/A
Chr4	95886665	95886966	Chr4.78244	Hook1(-70424),Fggy(+339309)	N/A
Chr4	95897502	95897747	Chr4.78246	Hook1(-69615),Fggy(+340118)	N/A
Chr4	95898570	95898675	Chr4.78248	Hook1(-68617),Fggy(+341116)	N/A
Chr4	95900881	95901131	Chr4.78250	Hook1(-66234),Fggy(+343499)	N/A
Chr4	13265281	13265691	Chr4.7843	Runx11(-465811)	N/A
Chr4	13265792	13265925	Chr4.7850	Runx11(-485438)	N/A
Chr4	13298250	13298393	Chr4.7865	Runx11(-452975)	N/A
Chr4	13298534	13298984	Chr4.7866	Runx11(-452538)	N/A
Chr4	13300279	13300677	Chr4.7872	Runx11(-450819)	N/A
Chr4	96698178	96698178	Chr4.78806	Cyp2j5(-33845),Gm12695(+87187)	N/A
Chr4	96719084	96719353	Chr4.78822	Cyp2j5(-55065),Gm12695(+65967)	N/A
Chr4	96752120	96752257	Chr4.78874	Cyp2j5(-88035),Gm12695(+32997)	N/A
Chr4	97156217	97156365	Chr4.79175	Gm12695(-371105),Gm10192(+26875)	N/A
Chr4	97157002	97157254	Chr4.79184	Gm12695(-371942),Gm10192(+26038)	N/A
Chr4	97174411	97174640	Chr4.79203	Gm12695(-389340),Gm10192(+8640)	N/A
Chr4	97238025	97238138	Chr4.79231	Nfia(-541521),Gm10192(-52921)	N/A
Chr4	97260868	97260990	Chr4.79251	Nfia(-516679),Gm10192(-77763)	N/A
Chr4	97278972	97279082	Chr4.79261	Nfia(-498581),Gm10192(-95861)	N/A
Chr4	97381410	97381530	Chr4.79320	Nfia(-396138),Gm10192(-198304)	N/A
Chr4	97418556	97418786	Chr4.79336	Nfia(-358951),Gm10192(-235491)	N/A
Chr4	97465886	97466185	Chr4.79376	Nfia(-311572),Gm10192(-382370)	N/A
Chr4	97466231	97466398	Chr4.79383	Nfia(-311293),Gm10192(-283149)	N/A
Chr4	97476744	97476843	Chr4.79386	Nfia(-300814),Gm10192(-293628)	N/A
Chr4	97476941	97477120	Chr4.79389	Nfia(-300577),Gm10192(-293865)	N/A
Chr4	97482680	97483208	Chr4.79394	Gm10192(-299778),Nfia(-294664)	N/A
Chr4	97544096	97544251	Chr4.79437	Gm10192(-361008),Nfia(-233434)	N/A
Chr4	97575209	97575387	Chr4.79457	Gm10192(-392132),Nfia(-202310)	N/A
Chr4	97575508	97575915	Chr4.79461	Gm10192(-392546),Nfia(-201696)	N/A
Chr4	97575973	97576072	Chr4.79463	Gm10192(-392857),Nfia(-201585)	N/A
Chr4	97578989	97579359	Chr4.79469	Gm10192(-396008),Nfia(-198434)	N/A
Chr4	97581419	97581636	Chr4.79478	Gm10192(-398362),Nfia(-196080)	N/A
Chr4	97581789	97582069	Chr4.79481	Gm10192(-398763),Nfia(-195679)	N/A
Chr4	97582142	97582252	Chr4.79483	Gm10192(-399031),Nfia(-195411)	N/A
Chr4	97582787	97583111	Chr4.79490	Gm10192(-399783),Nfia(-194659)	N/A
Chr4	97583306	97583405	Chr4.79492	Gm10192(-400190),Nfia(-194252)	N/A
Chr4	97583473	97583606	Chr4.79494	Gm10192(-400374),Nfia(-194068)	N/A
Chr4	97583906	97584168	Chr4.79498	Gm10192(-400871),Nfia(-193571)	N/A
Chr4	97584832	97584916	Chr4.79505	Gm10192(-401533),Nfia(-192939)	N/A
Chr4	97585335	97585512	Chr4.79513	Gm10192(-402258),Nfia(-192184)	N/A
Chr4	97586790	97587164	Chr4.79516	Gm10192(-403811),Nfia(-190631)	N/A
Chr4	97601422	97601622	Chr4.79531	Gm10192(-418356),Nfia(-176086)	N/A
Chr4	97602656	97602766	Chr4.79536	Gm10192(-419545),Nfia(-174987)	N/A
Chr4	97605951	97606189	Chr4.79541	Gm10192(-422904),Nfia(-171538)	N/A
Chr4	97607676	97607846	Chr4.79547	Gm10192(-424560),Nfia(-169847)	N/A
Chr4	97608874	97609130	Chr4.79563	Gm10192(-425836),Nfia(-168606)	N/A
Chr4	97609999	97610105	Chr4.79567	Gm10192(-426886),Nfia(-167556)	N/A
Chr4	97610803	97610934	Chr4.79574	Gm10192(-427703),Nfia(-166739)	N/A
Chr4	97611283	97611764	Chr4.79575	Gm10192(-428358),Nfia(-166084)	N/A
Chr4	97619103	97619265	Chr4.79582	Gm10192(-436018),Nfia(-158424)	N/A
Chr4	97628981	97629174	Chr4.79601	Gm10192(-445912),Nfia(-148530)	N/A
Chr4	97635260	97635609	Chr4.79609	Gm10192(-452269),Nfia(-142173)	N/A
Chr4	97637092	97637311	Chr4.79617	Gm10192(-454036),Nfia(-140406)	N/A
Chr4	97647872	97647976	Chr4.79621	Gm10192(-464758),Nfia(-129684)	N/A
Chr4	97648436	97648672	Chr4.79624	Gm10192(-465412),Nfia(-129030)	N/A
Chr4	97648769	97649164	Chr4.79625	Gm10192(-465801),Nfia(-12841)	N/A
Chr4	97649664	97649812	Chr4.79633	Gm10192(-466572),Nfia(-127870)	N/A
Chr4	97657675	97657785	Chr4.79642	Gm10192(-474564),Nfia(-119878)	N/A
Chr4	97665168	97665565	Chr4.79669	Gm10192(-482201),Nfia(-112241)	N/A
Chr4	13364716	13364815	Chr4.7967	Runx11(-386531)	N/A
Chr4	97670861	97671002	Chr4.79679	Gm10192(-487718),Nfia(-106666)	N/A
Chr4	13364854	13365357	Chr4.7970	Runx11(-386191)	N/A
Chr4	97690030	97690175	Chr4.79709	Gm10192(-506937),Nfia(-87505)	N/A
Chr4	97695905	97696039	Chr4.79727	Gm10192(-512806),Nfia(-81636)	N/A
Chr4	13365459	13365588	Chr4.7973	Runx11(-385773)	N/A
Chr4	97696147	97696362	Chr4.79731	Gm10192(-513089),Nfia(-81353)	N/A
Chr4	97707558	97707791	Chr4.79741	Gm10192(-524509),Nfia(-69937)	N/A
Chr4	97710539	97710652	Chr4.79753	Gm10192(-527430),Nfia(-67012)	N/A
Chr4	97722691	97722794	Chr4.79777	Gm10192(-539577),Nfia(-54865)	N/A
Chr4	97756985	97757112	Chr4.79807	Gm10192(-573883),Nfia(-20559)	N/A
Chr4	97757237	97757355	Chr4.79808	Gm10192(-574130),Nfia(-20312)	N/A
Chr4	97757607	97757675	Chr4.79809	Gm10192(-574429),Nfia(-20017)	N/A
Chr4	97758641	97758791	Chr4.79815	Gm10192(-575550),Nfia(-18892)	N/A
Chr4	97771926	97772116	Chr4.79834	Gm10192(-588855),Nfia(-5587)	N/A
Chr4	97772211	97772418	Chr4.79835	Gm10192(-589149),Nfia(-5293)	N/A
Chr4	97772451	97772553	Chr4.79839	Gm10192(-589336),Nfia(-5106)	N/A
Chr4	97772758	97773131	Chr4.79841	Nfia(-4663)	N/A
Chr4	97773250	97773535	Chr4.79844	Nfia(-4215)	N/A
Chr4	97773938	97774165	Chr4.79849	Nfia(-3556)	N/A
Chr4	97774447	97774826	Chr4.79858	Nfia(-2971)	N/A
Chr4	97775045	97775153	Chr4.79862	Nfia(-2509)	N/A
Chr4	97775214	97775410	Chr4.79864	Nfia(-2296)	N/A
Chr4	97775441	97775775	Chr4.79867	Nfia(-1800)	N/A
Chr4	97776481	97776659	Chr4.79870	Nfia(-1038)	N/A
Chr4	97776689	97776897	Chr4.79871	Nfia(-815)	N/A
Chr4	97779083	97779186	Chr4.79876	E130114p18nk(-1087)	N/A
Chr4	97779233	97779623	Chr4.79877	E130114p18nk(-1380)	N/A
Chr4	97779973	97780092	Chr4.79884	E130114p18nk(-1985)	N/A
Chr4	97780273	97780449	Chr4.79887	E130114p18nk(-2313)	N/A
Chr4	97781875	97781997	Chr4.79904	E130114p18nk(-3888)	N/A
Chr4	97784005	97784124	Chr4.79914	E130114p18nk(-6017),Tm2d1(+599241)	N/A
Chr4	97784403	97784606	Chr4.79918	E130114p18nk(-6457),Tm2d1(+598801)	N/A
Chr4	97784841	97785090	Chr4.79919	E130114p18nk(-6918),Tm2d1(+598340)	N/A
Chr4	97785720	97785891	Chr4.79922	E130114p18nk(-7758),Tm2d1(+597500)	N/A
Chr4	97787638	97787801	Chr4.79938	E130114p18nk(-9672),Tm2d1(+596586)	N/A
Chr4	97788625	97788854	Chr4.79942	E130114p18nk(-10692),Tm2d1(+594566)	N/A
Chr4	97793860	97794028	Chr4.79964	E130114p18nk(-15896),Tm2d1(+589362)	N/A
Chr4	97796550	97796783	Chr4.79969	E130114p18nk(-18619),Tm2d1(+586638)	N/A
Chr4	97818537	97818650	Chr4.80037	E130114p18nk(-40546),Tm2d1(+564712)	N/A
Chr4	97819679	97819818	Chr4.80040	E130114p18nk(-40701),Tm2d1(+564557)	N/A
Chr4	97822258	97822429	Chr4.80045	E130114p18nk(-44296),Tm2d1(+560962)	N/A
Chr4	97823117	97823253	Chr4.80049	E130114p18nk(-45137),Tm2d1(+560121)	N/A
Chr4	97823295	97823487	Chr4.80050	E130114p18nk(-45343),Tm2d1(+559915)	N/A
Chr4	97823651	97823877	Chr4.80054	E130114p18nk(-45716),Tm2d1(+559542)	N/A
Chr4	97824565	97824656	Chr4.80058	E130114p18nk(-46663),Tm2d1(+558595)	N/A
Chr4	97825904	97826004	Chr4.80065	E130114p18nk(-47327),Tm2d1(+557331)	N/A
Chr4	97827192	97827605	Chr4.80068	E130114p18nk(-49351),Tm2d1(+555907)	N/A
Chr4	97831840	97832035	Chr4.80076	E130114p18nk(-53890),Tm2d1(+551368)	N/A
Chr4	97836823	97837045	Chr4.80086	E130114p18nk(-58886),Tm2d1(+546372)	N/A
Chr4	97843932	97844426	Chr4.80104	E130114p18nk(-66131),Tm2d1(+539127)	N/A
Chr4	97844785	97845469	Chr4.80107	E130114p18nk(-67079),Tm2d1(+538179)	N/A
Chr4	97845517	97845640	Chr4.80112	E130114p18nk(-67531),Tm2d1(+537727)	N/A

Chr4		97846182	97846641	Chr4.80113	E130114p18rik(-68364),Tm2d1(+536894)	N/A
Chr4		97865938	97866180	Chr4.80169	E130114p18rik(-88011),Tm2d1(+517247)	N/A
Chr4		97866564	97866826	Chr4.80176	E130114p18rik(-88647),Tm2d1(+516811)	N/A
Chr4		97868316	97868584	Chr4.80182	E130114p18rik(-90402),Tm2d1(+514566)	N/A
Chr4		97869284	97869418	Chr4.80190	E130114p18rik(-91303),Tm2d1(+513955)	N/A
Chr4		97875053	97875185	Chr4.80202	E130114p18rik(-97071),Tm2d1(+508187)	N/A
Chr4		97875701	97875824	Chr4.80206	E130114p18rik(-97715),Tm2d1(+507543)	N/A
Chr4		97885613	97886021	Chr4.80236	E130114p18rik(-107769),Tm2d1(+497489)	N/A
Chr4		97894392	97894500	Chr4.80244	E130114p18rik(-116398),Tm2d1(+488860)	N/A
Chr4		97894538	97894646	Chr4.80247	E130114p18rik(-116544),Tm2d1(+488714)	N/A
Chr4		97906449	97906682	Chr4.80268	E130114p18rik(-128518),Tm2d1(+476740)	N/A
Chr4		97910797	97911367	Chr4.80299	E130114p18rik(-133034),Tm2d1(+472224)	N/A
Chr4		97912259	97912424	Chr4.80305	E130114p18rik(-134294),Tm2d1(+470964)	N/A
Chr4		13408851	13408969	Chr4.80331	Runx1f1(-342387)	N/A
Chr4		97920687	97921049	Chr4.80330	E130114p18rik(-142810),Tm2d1(+462448)	N/A
Chr4		13409302	13409672	Chr4.80333	Runx1f1(-341810)	N/A
Chr4		97924413	97924607	Chr4.80345	E130114p18rik(-146462),Tm2d1(+458796)	N/A
Chr4		97926820	97927189	Chr4.80355	E130114p18rik(-148957),Tm2d1(+456301)	N/A
Chr4		97932123	97932259	Chr4.80379	E130114p18rik(-154143),Tm2d1(+451115)	N/A
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Chr4		97949051	97949261	Chr4.80417	E130114p18rik(-171108),Tm2d1(+434150)	N/A
Chr4		97949310	97949506	Chr4.80419	E130114p18rik(-171360),Tm2d1(+433898)	N/A
Chr4		97950541	97950719	Chr4.80425	E130114p18rik(-172582),Tm2d1(+432676)	N/A
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Chr4		13411193	13411333	Chr4.80445	Runx1f1(-340034)	N/A
Chr4		97958202	97958330	Chr4.80451	E130114p18rik(-180218),Tm2d1(+425040)	N/A
Chr4		97961600	97961815	Chr4.80460	E130114p18rik(-183660),Tm2d1(+421598)	N/A
Chr4		97962788	97963008	Chr4.80466	E130114p18rik(-184850),Tm2d1(+420408)	N/A
Chr4		97968442	97968814	Chr4.80480	E130114p18rik(-190580),Tm2d1(+414079)	N/A
Chr4		97976990	97977197	Chr4.80490	E130114p18rik(-198046),Tm2d1(+406212)	N/A
Chr4		97990491	97990621	Chr4.80514	E130114p18rik(-212508),Tm2d1(+392750)	N/A
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Chr4		97992041	97992402	Chr4.80528	E130114p18rik(-214174),Tm2d1(+391084)	N/A
Chr4		98002431	98002551	Chr4.80562	E130114p18rik(-224443),Tm2d1(+380819)	N/A
Chr4		98003798	98003929	Chr4.80567	E130114p18rik(-225816),Tm2d1(+379442)	N/A
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Chr4		98005063	98005167	Chr4.80578	E130114p18rik(-227067),Tm2d1(+378191)	N/A
Chr4		98007906	98007906	Chr4.80589	E130114p18rik(-229809),Tm2d1(+375449)	N/A
Chr4		98008022	98008267	Chr4.80591	E130114p18rik(-231097),Tm2d1(+374161)	N/A
Chr4		13442241	13442148	Chr4.80601	Runx1f1(-309203)	N/A
Chr4		98049471	98049622	Chr4.80609	E130114p18rik(-271499),Tm2d1(+333759)	N/A
Chr4		98049850	98049952	Chr4.80671	E130114p18rik(-271853),Tm2d1(+333405)	N/A
Chr4		98050843	98050987	Chr4.80677	E130114p18rik(-272867),Tm2d1(+332391)	N/A
Chr4		98054774	98057634	Chr4.80682	E130114p18rik(-279506),Tm2d1(+325752)	N/A
Chr4		98063348	98063486	Chr4.80708	E130114p18rik(-283388),Tm2d1(+319879)	N/A
Chr4		98067369	98067469	Chr4.80726	E130114p18rik(-289371),Tm2d1(+315887)	N/A
Chr4		98082760	98082897	Chr4.80741	E130114p18rik(-304781),Tm2d1(+300477)	N/A
Chr4		98091399	98091515	Chr4.80755	E130114p18rik(-313409),Tm2d1(+291849)	N/A
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Chr4		98093648	98093759	Chr4.80758	E130114p18rik(-315656),Tm2d1(+289602)	N/A
Chr4		98093804	98094070	Chr4.80761	E130114p18rik(-315889),Tm2d1(+289364)	N/A
Chr4		98094308	98094708	Chr4.80764	E130114p18rik(-316480),Tm2d1(+288798)	N/A
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Chr4		98102062	98102220	Chr4.80790	E130114p18rik(-324093),Tm2d1(+281165)	N/A
Chr4		98102879	98103400	Chr4.80794	E130114p18rik(-325092),Tm2d1(+280166)	N/A
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Chr4		98104117	98104389	Chr4.80800	E130114p18rik(-326205),Tm2d1(+279053)	N/A
Chr4		98105273	98105377	Chr4.80806	E130114p18rik(-327277),Tm2d1(+277981)	N/A
Chr4		98106107	98106263	Chr4.80809	E130114p18rik(-328137),Tm2d1(+277121)	N/A
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Chr4		13435988	13435790	Chr4.80862	Runx1f1(-297558)	N/A
Chr4		98111462	98111687	Chr4.80830	E130114p18rik(-333542),Tm2d1(+271716)	N/A
Chr4		98118550	98118894	Chr4.80867	E130114p18rik(-340674),Tm2d1(+264584)	N/A
Chr4		98180784	98181123	Chr4.80899	E130114p18rik(-402906),Tm2d1(+202352)	N/A
Chr4		98181231	98181764	Chr4.80903	E130114p18rik(-403450),Tm2d1(+201808)	N/A
Chr4		98181951	98182051	Chr4.80908	E130114p18rik(-403953),Tm2d1(+201305)	N/A
Chr4		98189194	98189307	Chr4.80914	E130114p18rik(-411198),Tm2d1(+194060)	N/A
Chr4		98321372	98321503	Chr4.80975	E130114p18rik(-543390),Tm2d1(+61868)	N/A
Chr4		98322149	98322372	Chr4.80979	E130114p18rik(-544213),Tm2d1(+61045)	N/A
Chr4		13461386	13461510	Chr4.8100	Runx1f1(-289849)	N/A
Chr4		13461548	13461756	Chr4.8102	Runx1f1(-289645)	N/A
Chr4		98421108	98421237	Chr4.81070	L1tdf1(-305575),Paij(+25382)	N/A
Chr4		13462644	13462755	Chr4.81111	Runx1f1(-288997)	N/A
Chr4		13463136	13463237	Chr4.81113	Runx1f1(-288110)	N/A
Chr4		13467349	13467588	Chr4.81121	Runx1f1(-283828)	N/A
Chr4		13467907	13468236	Chr4.8126	Runx1f1(-283225)	N/A
Chr4		98578181	98578403	Chr4.81266	L1tdf1(-148456),Paij(+182501)	N/A
Chr4		98588621	98588829	Chr4.81288	L1tdf1(-128023),Paij(+202934)	N/A
Chr4		13468414	13468940	Chr4.8129	Runx1f1(-252420)	N/A
Chr4		98654015	98654120	Chr4.81314	L1tdf1(-72680),Paij(+258277)	N/A
Chr4		13469336	13469886	Chr4.8132	Runx1f1(-281686)	N/A
Chr4		13471891	13472141	Chr4.8136	Runx1f1(-279281)	N/A
Chr4		98677619	98677752	Chr4.81360	L1tdf1(-49062),Paij(+281895)	N/A
Chr4		13474581	13474735	Chr4.8144	Runx1f1(-276539)	N/A
Chr4		98789505	98789667	Chr4.81492	Kank4(+27951),L1tdf1(+62838)	N/A
Chr4		98790291	98790402	Chr4.81497	Kank4(+27190),L1tdf1(+63599)	N/A
Chr4		98795301	98795446	Chr4.81502	Kank4(+22163),L1tdf1(+68626)	N/A
Chr4		98796922	98797037	Chr4.81505	Kank4(+20557),L1tdf1(+70232)	N/A
Chr4		98819441	98819592	Chr4.81525	Kank4(-1980)	N/A
Chr4		13483064	13483075	Chr4.8153	Runx1f1(-210752)	N/A
Chr4		98856776	98857027	Chr4.81531	Usp1(-66908),Dcc044d1Trnk(-33062)	N/A
Chr4		98923640	98923769	Chr4.81547	Usp1(-105)	N/A
Chr4		99152268	99152461	Chr4.81831	Atg4c(-41569),Dock7(-31450)	N/A
Chr4		99161462	99161593	Chr4.81838	Dock7(-40613),Algi(-32406)	N/A
Chr4		99161648	99161827	Chr4.81842	Dock7(-40823),Algi(-32196)	N/A
Chr4		99273030	99273298	Chr4.81966	Gm10505(+493)	N/A
Chr4		99324699	99324798	Chr4.82064	Foxd3(-331550),Gm12689(+28849)	N/A
Chr4		99385540	99385882	Chr4.82226	Foxd3(-270588),Gm12689(+89811)	N/A
Chr4		99445544	99445728	Chr4.82316	Foxd3(-210663),Gm12689(+149736)	N/A
Chr4		99459425	99459907	Chr4.82331	Foxd3(-196633),Gm12689(+163766)	N/A
Chr4		99475783	99475995	Chr4.82367	Foxd3(-180410),Gm12689(+179959)	N/A
Chr4		99573120	99573220	Chr4.82496	Foxd3(-83129),Gm12689(+277272)	N/A
Chr4		99573279	99573435	Chr4.82500	Foxd3(-82942),Gm12689(+277457)	N/A
Chr4		13565870	13565975	Chr4.8256	Runx1f1(-185374)	N/A
Chr4		13566057	13566185	Chr4.8258	Runx1f1(-185176)	N/A
Chr4		99651358	99651459	Chr4.82603	Foxd3(-4890)	N/A
Chr4		99690104	99690389	Chr4.82649	Algi(-55373),Foxd3(+3993)	N/A
Chr4		99722794	99722979	Chr4.82688	Algi(+7222),Itgb3bp(+106299)	N/A
Chr4		99830182	99830554	Chr4.82843	Itgb3bp(-1182),Efcab7(-1026)	N/A
Chr4		99925962	99926093	Chr4.82912	Pgm2(+214)	N/A
Chr4		13593214	13593674	Chr4.8299	Runx1f1(-157903)	N/A
Chr4		99970365	99970536	Chr4.82993	Ror1(-125340),Pgm2(+14037)	N/A
Chr4		10009422	10009669	Chr4.83050	Ror1(-86245),Pgm2(+80132)	N/A
Chr4		100036090	100036352	Chr4.83065	Ror1(-59570),Pgm2(+106807)	N/A
Chr4		100036390	100036490	Chr4.83069	Ror1(-59351),Pgm2(+107026)	N/A
Chr4		100036535	100036688	Chr4.83070	Ror1(-59179),Pgm2(+107198)	N/A
Chr4		100056999	100056832	Chr4.83079	Ror1(-39023),Pgm2(+127352)	N/A
Chr4		100559752	100559855	Chr4.83083	Ror1(-35967),Pgm2(+130390)	N/A
Chr4		100061408	100061527	Chr4.83086	Ror1(-34323),Pgm2(+132054)	N/A
Chr4		100069339	100069475	Chr4.83093	Ror1(-26384),Pgm2(+139993)	N/A
Chr4		100070087	100070266	Chr4.83097	Ror1(-25614),Pgm2(+140763)	N/A
Chr4		100096974	100097233	Chr4.83104	Ube2u(-381745),Ror1(+1313)	N/A
Chr4		100097544	100097731	Chr4.83107	Ube2u(-381211),Ror1(+1847)	N/A
Chr4		100101647	100101855	Chr4.83121	Ube2u(-377098),Ror1(+5960)	N/A
Chr4		100101994	100102220	Chr4.83123	Ube2u(-376742),Ror1(+6316)	N/A
Chr4		100118741	100118887	Chr4.83141	Ube2u(-360035),Ror1(+23023)	N/A
Chr4		100129022	100129128	Chr4.83158	Ube2u(-349774),Ror1(+33284)	N/A
Chr4		100129231	100129511	Chr4.83161	Ube2u(-349478),Ror1(+33580)	N/A
Chr4		100129544	100129671	Chr4.83167	Ube2u(-348241),Ror1(+33817)	N/A
Chr4		100133037	100133139	Chr4.83172	Ube2u(-345761),Ror1(+37297)	N/A
Chr4		100133171	100133364	Chr4.83176	Ube2u(-345581),Ror1(+37477)	N/A
Chr4		100137820	100137922	Chr4.83183	Ube2u(-340978),Ror1(+42080)	N/A
Chr4		100144664	100144829	Chr4.83190	Ube2u(-334102),Ror1(+48958)	N/A
Chr4		51308171	5131011	Chr4.832	Fam110b(-513177),Impa1(-337589)	N/A
Chr4		100154701	100155045	Chr4.83200	Ube2u(-323978),Ror1	

Chr4	100156183	100156468	Chr4.83206	Ube2u(-322523),Ror1(+60535)	N/A
Chr4	100170086	100170434	Chr4.83228	Ube2u(-308589),Ror1(+74469)	N/A
Chr4	100170616	100170794	Chr4.83233	Ube2u(-308144),Ror1(+74914)	N/A
Chr4	100171616	100171747	Chr4.83237	Ube2u(-307167),Ror1(+75891)	N/A
Chr4	100188044	100188157	Chr4.83272	Ube2u(-290748),Ror1(+92310)	N/A
Chr4	100188392	100188569	Chr4.83274	Ube2u(-290368),Ror1(+92690)	N/A
Chr4	100201440	100201626	Chr4.83288	Ube2u(-277316),Ror1(+105742)	N/A
Chr4	100204557	100204740	Chr4.83294	Ube2u(-274200),Ror1(+108858)	N/A
Chr4	100214866	100215102	Chr4.83312	Ube2u(-263865),Ror1(+119193)	N/A
Chr4	100215624	100215830	Chr4.83317	Ube2u(-263122),Ror1(+119936)	N/A
Chr4	100222267	100222618	Chr4.83328	Ube2u(-256406),Ror1(+126652)	N/A
Chr4	100241064	100241248	Chr4.83348	Ube2u(-237693),Ror1(+145365)	N/A
Chr4	100241346	100241565	Chr4.83354	Ube2u(-237393),Ror1(+145665)	N/A
Chr4	100244324	100244427	Chr4.83357	Ube2u(-234473),Ror1(+146858)	N/A
Chr4	100276558	100276711	Chr4.83386	Ube2u(-202214),Ror1(+180844)	N/A
Chr4	100303244	100303411	Chr4.83425	Ube2u(-175521),Ror1(+207537)	N/A
Chr4	100307500	100307678	Chr4.83431	Ube2u(-171260),Ror1(+211798)	N/A
Chr4	100311933	100312039	Chr4.83434	Ube2u(-166863),Ror1(+216195)	N/A
Chr4	100315297	100315657	Chr4.83438	Ube2u(-163372),Ror1(+219686)	N/A
Chr4	100321681	100321804	Chr4.83445	Ube2u(-157106),Ror1(+225952)	N/A
Chr4	100321954	100322091	Chr4.83447	Ube2u(-166826),Ror1(+226232)	N/A
Chr4	100335360	100335553	Chr4.83477	Ube2u(-143392),Ror1(+239666)	N/A
Chr4	100371418	100371626	Chr4.83546	Ube2u(-107327),Ror1(+275731)	N/A
Chr4	100376423	100376548	Chr4.83553	Ube2u(-102363),Ror1(+280695)	N/A
Chr4	100379880	100380014	Chr4.83563	Ube2u(-98901),Ror1(+284157)	N/A
Chr4	100383704	100383884	Chr4.83578	Ube2u(-85055),Ror1(+298033)	N/A
Chr4	100394145	100394462	Chr4.83582	Ube2u(-84545),Ror1(+298513)	N/A
Chr4	100407393	100407575	Chr4.83608	Ube2u(-71365),Ror1(+311693)	N/A
Chr4	100422870	100423026	Chr4.83657	Ube2u(-55901),Ror1(+327157)	N/A
Chr4	100429806	100429966	Chr4.83683	Ube2u(-48963),Ror1(+334095)	N/A
Chr4	100462325	100462830	Chr4.83770	Ube2u(-16271),Ror1(+365787)	N/A
Chr4	100526403	100526572	Chr4.83808	Cachd1(-250187),Ube2u(-47639)	N/A
Chr4	100596788	100596974	Chr4.83836	Cachd1(-179794),Ube2u(+118032)	N/A
Chr4	100707090	100707538	Chr4.83868	Cachd1(-69361),Ube2u(+228465)	N/A
Chr4	100758603	100758810	Chr4.83898	Cachd1(-17923),Ube2u(+279903)	N/A
Chr4	100776042	100776187	Chr4.83902	Cachd1(-560)	N/A
Chr4	100779165	100779165	Chr4.83913	Cachd1(+2439),Gm10577(+241582)	N/A
Chr4	100779195	100779420	Chr4.83915	Cachd1(+2633),Gm10577(+241388)	N/A
Chr4	100780981	100781096	Chr4.83920	Cachd1(+4364),Gm10577(+239657)	N/A
Chr4	100782501	100782618	Chr4.83922	Cachd1(+5885),Gm10577(+238136)	N/A
Chr4	100795585	100795791	Chr4.83936	Cachd1(+19013),Gm10577(+225008)	N/A
Chr4	100798362	100798545	Chr4.83938	Cachd1(+21779),Gm10577(+222242)	N/A
Chr4	100798633	100798755	Chr4.83943	Cachd1(+22019),Gm10577(+222002)	N/A
Chr4	100801227	100801380	Chr4.83947	Cachd1(+24629),Gm10577(+219392)	N/A
Chr4	100810145	100810319	Chr4.83953	Cachd1(+33557),Gm10577(+210464)	N/A
Chr4	100810718	100810930	Chr4.83958	Cachd1(+34149),Gm10577(+209872)	N/A
Chr4	100822668	100822844	Chr4.83969	Cachd1(+46087),Gm10577(+197940)	N/A
Chr4	100824800	100824237	Chr4.83976	Cachd1(+47484),Gm10577(+196537)	N/A
Chr4	100827458	100827795	Chr4.83979	Cachd1(+50952),Gm10577(+193099)	N/A
Chr4	100843349	100843533	Chr4.83996	Cachd1(+66766),Gm10577(+177255)	N/A
Chr4	100853609	100853757	Chr4.84012	Cachd1(+77008),Gm10577(+167013)	N/A
Chr4	100857356	100857498	Chr4.84021	Cachd1(+80752),Gm10577(+163269)	N/A
Chr4	100864019	100864143	Chr4.84027	Cachd1(+87406),Gm10577(+156815)	N/A
Chr4	100871633	100871705	Chr4.8403	Runx1(-34605)	N/A
Chr4	100864550	100864793	Chr4.84034	Cachd1(+87997),Gm10577(+156024)	N/A
Chr4	100865628	100865833	Chr4.84043	Cachd1(+89056),Gm10577(+154965)	N/A
Chr4	100870957	100871092	Chr4.84051	Cachd1(+94350),Gm10577(+149671)	N/A
Chr4	100886178	100886306	Chr4.84062	Cachd1(+109567),Gm10577(+134544)	N/A
Chr4	100886469	100886623	Chr4.84064	Cachd1(+109871),Gm10577(+134160)	N/A
Chr4	100890129	100890271	Chr4.84069	Cachd1(+113529),Gm10577(+130496)	N/A
Chr4	100890314	100890738	Chr4.84070	Cachd1(+113851),Gm10577(+130170)	N/A
Chr4	13717491	13717861	Chr4.8409	Runx1(-33621)	N/A
Chr4	100910682	100910788	Chr4.84101	Gm10577(+109961),Cachd1(+134060)	N/A
Chr4	100923236	100923404	Chr4.84107	Gm10577(+97376),Cachd1(+146645)	N/A
Chr4	100923441	100923676	Chr4.84111	Gm10577(+97137),Cachd1(+146894)	N/A
Chr4	100923841	100924060	Chr4.84116	Gm10577(+96745),Cachd1(+147276)	N/A
Chr4	100943924	100944047	Chr4.84124	Gm10577(+76710),Cachd1(+167311)	N/A
Chr4	100944163	100944278	Chr4.84126	Gm10577(+76475),Cachd1(+167546)	N/A
Chr4	100963499	100963768	Chr4.84164	Gm10577(+57062),Cachd1(+186959)	N/A
Chr4	100963862	100964001	Chr4.84170	Gm10577(+56764),Cachd1(+187257)	N/A
Chr4	100967862	100967835	Chr4.84181	Gm10577(+52947),Cachd1(+191074)	N/A
Chr4	5206104	5206223	Chr4.842	Fam110b(-437957),Impad1(-412809)	N/A
Chr4	100982170	100982304	Chr4.84223	Gm10577(+38459),Cachd1(+205562)	N/A
Chr4	101220916	101221095	Chr4.84556	Jak1(+44276),Raver2(+152023)	N/A
Chr4	13742614	13742893	Chr4.8456	Runx1(-8543)	N/A
Chr4	13742997	13743122	Chr4.8459	Runx1(-8237)	N/A
Chr4	101346033	101347035	Chr4.84613	Jak1(-81702),Ak4(-72305)	N/A
Chr4	13743226	13743376	Chr4.8462	Runx1(-7996)	N/A
Chr4	101354559	101354733	Chr4.84625	Jak1(-80364),Ak4(-64643)	N/A
Chr4	101355663	101355762	Chr4.84630	Jak1(-90431),Ak4(-63576)	N/A
Chr4	13743588	13743735	Chr4.8464	Runx1(-7635)	N/A
Chr4	13745205	13745410	Chr4.8466	Runx1(-5989)	N/A
Chr4	13745445	13745622	Chr4.8467	Runx1(-5763)	N/A
Chr4	101508048	101508188	Chr4.84717	Dnajc6(-42476),Ak4(+88829)	N/A
Chr4	13746794	13746966	Chr4.8474	Runx1(-4417)	N/A
Chr4	101584879	101584983	Chr4.84757	Leprol(-82787),Dnajc6(+34337)	N/A
Chr4	13750251	13750545	Chr4.8491	Runx1(-849)	N/A
Chr4	13751244	13751407	Chr4.8499	Runx1(-29)	N/A
Chr4	13751541	13751754	Chr4.8500	Runx1(+351)	N/A
Chr4	102087496	102087687	Chr4.85058	Pde4b(-167411),Gm12789(+100966)	N/A
Chr4	102231511	102231711	Chr4.85122	Pde4b(-23392),Gm12789(+244985)	N/A
Chr4	102239731	102239900	Chr4.85139	Pde4b(-15187),Gm12789(+253190)	N/A
Chr4	102240792	102240903	Chr4.85144	Pde4b(-14155),Gm12789(+254222)	N/A
Chr4	102254599	102254718	Chr4.85154	Pde4b(-344)	N/A
Chr4	102254853	102255461	Chr4.85157	Pde4b(+154)	N/A
Chr4	102257763	102257885	Chr4.85171	Sgfp1(-502539),Pde4b(+2821)	N/A
Chr4	102275362	102275581	Chr4.85189	Sgfp1(-484901),Pde4b(+20459)	N/A
Chr4	102297898	102297860	Chr4.85205	Sgfp1(-462613),Pde4b(+42747)	N/A
Chr4	102404218	102404335	Chr4.85298	Sgfp1(-356086),Pde4b(+149274)	N/A
Chr4	102421014	102421241	Chr4.85315	Sgfp1(-339235),Pde4b(+166125)	N/A
Chr4	102421585	102421705	Chr4.85321	Sgfp1(-338718),Pde4b(+166642)	N/A
Chr4	102432088	102432421	Chr4.85341	Sgfp1(-328108),Pde4b(+177529)	N/A
Chr4	102432474	102432590	Chr4.85344	Sgfp1(-327831),Pde4b(+177529)	N/A
Chr4	102443601	102441089	Chr4.85356	Sgfp1(-319368),Pde4b(+185992)	N/A
Chr4	102444342	102444468	Chr4.85360	Sgfp1(-315958),Pde4b(+189402)	N/A
Chr4	102444651	102444880	Chr4.85365	Sgfp1(-315597),Pde4b(+189763)	N/A
Chr4	102483494	102483710	Chr4.85398	Sgfp1(-276761),Pde4b(+228599)	N/A
Chr4	13775538	13775770	Chr4.8545	Runx1(+24357),Slc26a7(+846151)	N/A
Chr4	102510973	102511164	Chr4.85458	Sgfp1(-249294),Pde4b(+250606)	N/A
Chr4	102557010	102557174	Chr4.85525	Sgfp1(-203271),Pde4b(+302089)	N/A
Chr4	102557636	102557757	Chr4.85528	Sgfp1(-202666),Pde4b(+302694)	N/A
Chr4	102557843	102558011	Chr4.85529	Sgfp1(-202436),Pde4b(+302924)	N/A
Chr4	102558053	102558155	Chr4.85530	Sgfp1(-202259),Pde4b(+303101)	N/A
Chr4	102574200	102574382	Chr4.85561	Sgfp1(-185972),Pde4b(+319388)	N/A
Chr4	102588070	102588876	Chr4.85596	Sgfp1(-171540),Pde4b(+333820)	N/A
Chr4	13778884	13779229	Chr4.8560	Runx1(+127760),Slc26a7(+842748)	N/A
Chr4	102589603	102589738	Chr4.85601	Sgfp1(-170692),Pde4b(+334668)	N/A
Chr4	13780579	13780716	Chr4.8562	Runx1(+29351),Slc26a7(+841157)	N/A
Chr4	13780924	13781123	Chr4.8567	Runx1(+29727),Slc26a7(+840781)	N/A
Chr4	13783173	13783395	Chr4.8573	Runx1(+31987),Slc26a7(+838521)	N/A
Chr4	102759493	102759717	Chr4.85750	Sgfp1(-768)	N/A
Chr4	102760109	102760297	Chr4.85755	Sgfp1(-160)	N/A
Chr4	102760633	102760747	Chr4.85759	Sgfp1(+327)	N/A
Chr4	102760827	102760952	Chr4.85762	Sgfp1(+527)	N/A
Chr4	102761348	102761564	Chr4.85765	Tctex1d1(-227117),Sgfp1(+1093)	N/A
Chr4	13783222	13783878	Chr4.8577	Runx1(+62503),Slc26a7(+83005)	N/A
Chr4	102783304	102783590	Chr4.85784	Tctex1d1(-205126),Sgfp1(+23094)	N/A
Chr4	102841070	102841208	Chr4.85811	Tctex1d1(-147434),Sgfp1(+80776)	N/A
Chr4	13784037	13784187	Chr4.8582	Runx1(+32815),Slc26a7(+837693)	N/A
Chr4	13784236	13784559	Chr4.8583	Runx1(+33101),Slc26a7(+837407)	N/A
Chr4	102861782	102861977	Chr4.85830	Tctex1d1(-126893),Sgfp1(+10151)	N/A
Chr4	13784670	13784950	Chr4.8585	Runx1(+33513),Slc26a7(+837693)	N/A
Chr4	13785833	13786015	Chr4.8590	Runx1(+34627),Slc26a7(+835881)	N/A
Chr4	13786122	13786231	Chr4.8593	Runx1(+34880),Slc26a7(+835628)	N/A
Chr4	130004754	130005096	Chr4.86034	Tctex1d1(+16352),Ins15(+21812)	N/A
Chr4	130305167	130305378	Chr4.86039	Tctex1d1(+16700),Ins15(+21464)	N/A
Chr4	13790372	13790597	Chr4.8610	Runx1(+39168),Slc26a7(+831320)	N/A
Chr4	103114254	103114533	Chr4.86125	Mer1(-1),Wdr78(+161)	N/A

Chr4	103115529	103115792	Chr4.86134	Wdr78(-1106)	N/A
Chr4	137196006	13797015	Chr4.86222	Runx11(+45614),Slc26a7(+824894)	N/A
Chr4	103314516	103314811	Chr4.86261	Oma1(+852)	N/A
Chr4	103522514	103522688	Chr4.86438	Gm10304(-805661),Oma1(+208779)	N/A
Chr4	103699673	103699891	Chr4.86521	Gm10304(-628470),Oma1(+385970)	N/A
Chr4	13837192	13837441	Chr4.86667	Runx11(+86020),Slc26a7(+784488)	N/A
Chr4	103737560	103737660	Chr4.86671	Gm10304(-590642),Oma1(+423798)	N/A
Chr4	138040620	138044772	Chr4.86753	Gm10304(-523556),Oma1(+490884)	N/A
Chr4	138443116	13844316	Chr4.8680	Runx11(+82720),Slc26a7(+777788)	N/A
Chr4	103844506	13844750	Chr4.8685	Runx11(+83331),Slc26a7(+777177)	N/A
Chr4	103961599	103961837	Chr4.86967	Gm10304(-366534),Oma1(+647906)	N/A
Chr4	103985882	103986110	Chr4.87006	Gm10304(-342256),Oma1(+672184)	N/A
Chr4	104012185	104012472	Chr4.87054	Gm10304(-315923),Oma1(+698517)	N/A
Chr4	104113967	104114234	Chr4.87183	Gm10304(-214151),Oma1(+800289)	N/A
Chr4	1042202073	104220373	Chr4.87308	Gm10304(-107964),Oma1(+906478)	N/A
Chr4	104399390	104399525	Chr4.87518	C8b(-366559),Dab1(+31868)	N/A
Chr4	13882241	13882574	Chr4.8759	Runx11(+131111),Slc26a7(+739397)	N/A
Chr4	13886219	13886783	Chr4.8762	Runx11(+135204),Slc26a7(+735304)	N/A
Chr4	104501326	104501489	Chr4.87738	C8b(-264909),Dab1(+133818)	N/A
Chr4	13890065	13890322	Chr4.8774	Runx11(+13897),Slc26a7(+731611)	N/A
Chr4	13890373	13890617	Chr4.8776	Runx11(+139198),Slc26a7(+731310)	N/A
Chr4	13891713	13891889	Chr4.8781	Runx11(+140504),Slc26a7(+730004)	N/A
Chr4	104573340	104573511	Chr4.87863	C8b(-192891),Dab1(+205836)	N/A
Chr4	104582186	104582401	Chr4.87877	C8b(-184023),Dab1(+214704)	N/A
Chr4	104607737	104607890	Chr4.87907	C8b(-158503),Dab1(+240224)	N/A
Chr4	104632830	104632893	Chr4.87929	C8b(-133597),Dab1(+265130)	N/A
Chr4	104686116	104686405	Chr4.88038	C8b(-80056),Dab1(+319671)	N/A
Chr4	104719160	104719294	Chr4.88083	C8b(-47090),Dab1(+351637)	N/A
Chr4	104719540	104719715	Chr4.88088	C8b(-46689),Dab1(+352038)	N/A
Chr4	13958005	13958252	Chr4.8825	Runx11(+206832),Slc26a7(+663678)	N/A
Chr4	13959446	13959568	Chr4.8831	Runx11(+207219),Slc26a7(+663289)	N/A
Chr4	104842889	104843040	Chr4.88368	C8a(+33418),C8b(-78648)	N/A
Chr4	104889020	104889226	Chr4.88452	Fyb2(-2433),C8a(-12740)	N/A
Chr4	13961597	13961720	Chr4.8846	Runx11(+210362),Slc26a7(+660146)	N/A
Chr4	105157119	105157286	Chr4.88655	Pipp3(-144)	N/A
Chr4	105158972	105159115	Chr4.88664	Pipp3(+1697)	N/A
Chr4	105159361	105159486	Chr4.88665	Pipp3(+2077)	N/A
Chr4	105160103	105160439	Chr4.88668	Pipp3(+2924)	N/A
Chr4	105169040	105169229	Chr4.88685	Pipp3(+11788)	N/A
Chr4	105170840	105171163	Chr4.88693	Pipp3(+13655)	N/A
Chr4	105175061	105175287	Chr4.88702	Pipp3(+17827)	N/A
Chr4	105175335	105175667	Chr4.88704	Pipp3(+18154)	N/A
Chr4	105181138	105181459	Chr4.88709	Pipp3(+23952)	N/A
Chr4	105182563	105182754	Chr4.88718	Pipp3(+25312)	N/A
Chr4	105190208	105190574	Chr4.88735	Pipp3(+33044)	N/A
Chr4	105191744	105191968	Chr4.88739	Pipp3(+34509)	N/A
Chr4	13999594	13999777	Chr4.8874	Runx11(+248389),Slc26a7(+622119)	N/A
Chr4	105192417	105192563	Chr4.88743	Pipp3(+35143)	N/A
Chr4	105192616	105192720	Chr4.88745	Pipp3(+35321)	N/A
Chr4	105192861	105193182	Chr4.88750	Pipp3(+35675)	N/A
Chr4	105199071	105199247	Chr4.88768	Pipp3(+41812)	N/A
Chr4	105200713	105200921	Chr4.88771	Pipp3(+43470)	N/A
Chr4	105200951	105201084	Chr4.88773	Pipp3(+43671)	N/A
Chr4	105205166	105205376	Chr4.88775	Pipp3(+47924)	N/A
Chr4	105205428	105205782	Chr4.88779	Pipp3(+48258)	N/A
Chr4	105206427	105206631	Chr4.88783	Pipp3(+49182)	N/A
Chr4	105207058	105207240	Chr4.88788	Pipp3(+49802)	N/A
Chr4	105214641	105214769	Chr4.88818	Pipp3(+57358)	N/A
Chr4	14033024	14033135	Chr4.8882	Runx11(+251783),Slc26a7(+618725)	N/A
Chr4	105218422	105218584	Chr4.88823	Pipp3(+61156)	N/A
Chr4	105223905	105224208	Chr4.88838	Pipp3(+66710)	N/A
Chr4	105238054	105238235	Chr4.88877	Pipp3(+80798)	N/A
Chr4	105261246	105261416	Chr4.88903	Pipp3(+103984)	N/A
Chr4	105281879	105282006	Chr4.88929	Pipp3(+124597)	N/A
Chr4	105282862	105283144	Chr4.88931	Pipp3(+125708)	N/A
Chr4	105283911	105284017	Chr4.88936	Pipp3(+126617)	N/A
Chr4	10529387	14024256	Chr4.8895	Runx11(+272825),Slc26a7(+597683)	N/A
Chr4	105306154	105306410	Chr4.88950	Pipp3(+148935)	N/A
Chr4	105312827	105313017	Chr4.88958	Pipp3(+155575)	N/A
Chr4	105313445	105313625	Chr4.88965	Pipp3(+156189)	N/A
Chr4	105323550	105323545	Chr4.88976	Usp24(-992786),Pipp3(+166101)	N/A
Chr4	105328788	105329051	Chr4.88983	Usp24(-987314),Pipp3(+171573)	N/A
Chr4	105347948	105348170	Chr4.88995	Usp24(-968175),Pipp3(+190712)	N/A
Chr4	105352296	105352505	Chr4.89010	Usp24(-963833),Pipp3(+195054)	N/A
Chr4	105364624	105364806	Chr4.89028	Usp24(-951519),Pipp3(+207368)	N/A
Chr4	105376699	105376941	Chr4.89035	Usp24(-939414),Pipp3(+219473)	N/A
Chr4	105387515	105387733	Chr4.89047	Usp24(-928610),Pipp3(+230277)	N/A
Chr4	105406742	105407240	Chr4.89060	Usp24(-909243),Pipp3(+249644)	N/A
Chr4	105424068	105424188	Chr4.89073	Usp24(-892106),Pipp3(+266781)	N/A
Chr4	105444301	105444501	Chr4.89093	Usp24(-871830),Pipp3(+280705)	N/A
Chr4	104039794	14039699	Chr4.8910	Runx11(+288547),Slc26a7(+581961)	N/A
Chr4	105457419	105457577	Chr4.89105	Usp24(-858721),Pipp3(+300166)	N/A
Chr4	105475135	105475575	Chr4.89118	Usp24(-840879),Pipp3(+318008)	N/A
Chr4	105508619	105508754	Chr4.89152	Usp24(-807547),Pipp3(+351340)	N/A
Chr4	105516681	105516787	Chr4.89160	Usp24(-799500),Pipp3(+359387)	N/A
Chr4	105532283	105532429	Chr4.89172	Usp24(-783878),Pipp3(+375009)	N/A
Chr4	105550006	105550241	Chr4.89187	Usp24(-766110),Pipp3(+392777)	N/A
Chr4	105575568	105575672	Chr4.89229	Usp24(-740614),Pipp3(+418273)	N/A
Chr4	105606760	105606938	Chr4.89244	Usp24(-709385),Pipp3(+449502)	N/A
Chr4	105458014	14058165	Chr4.8925	Runx11(+306793),Slc26a7(+563715)	N/A
Chr4	105640822	105641205	Chr4.89281	Usp24(-675220),Pipp3(+483667)	N/A
Chr4	105658454	105658679	Chr4.89309	Usp24(-657177),Pipp3(+501170)	N/A
Chr4	105659634	105659878	Chr4.89313	Usp24(-657478),Pipp3(+501409)	N/A
Chr4	105689096	105689291	Chr4.89330	Usp24(-627040),Pipp3(+531847)	N/A
Chr4	105704059	105704159	Chr4.89346	Usp24(-612125),Pipp3(+546762)	N/A
Chr4	14077905	14078138	Chr4.8941	Runx11(+326725),Slc26a7(+543783)	N/A
Chr4	105790482	105790678	Chr4.89413	Usp24(-625654),Pipp3(+633233)	N/A
Chr4	105790731	105790865	Chr4.89417	Usp24(-625836),Pipp3(+633451)	N/A
Chr4	105820196	105820316	Chr4.89436	Usp24(-495978),Pipp3(+662909)	N/A
Chr4	105820370	105820548	Chr4.89439	Usp24(-495775),Pipp3(+663112)	N/A
Chr4	14081231	14081420	Chr4.8947	Runx11(+330029),Slc26a7(+540479)	N/A
Chr4	105884894	105885090	Chr4.89489	Usp24(-431242),Pipp3(+727645)	N/A
Chr4	105905065	105905232	Chr4.89517	Usp24(-411085),Pipp3(+747802)	N/A
Chr4	105908599	105908593	Chr4.89528	Usp24(-407738),Pipp3(+751149)	N/A
Chr4	105912474	105912593	Chr4.89536	Usp24(-403700),Pipp3(+755187)	N/A
Chr4	105939733	105939874	Chr4.89574	Usp24(-376430),Pipp3(+782457)	N/A
Chr4	105944269	105944437	Chr4.89578	Usp24(-371881),Pipp3(+787006)	N/A
Chr4	105945238	105945405	Chr4.89581	Usp24(-370912),Pipp3(+787975)	N/A
Chr4	14087747	14087936	Chr4.8960	Runx11(+336545),Slc26a7(+533963)	N/A
Chr4	105958406	105958621	Chr4.89605	Usp24(-357707),Pipp3(+801177)	N/A
Chr4	105962753	105962970	Chr4.89619	Usp24(-353372),Pipp3(+805515)	N/A
Chr4	105969772	105969962	Chr4.89625	Usp24(-346367),Pipp3(+812520)	N/A
Chr4	105973797	105974090	Chr4.89631	Usp24(-342290),Pipp3(+816597)	N/A
Chr4	105988406	105988680	Chr4.89644	Usp24(-327741),Pipp3(+831146)	N/A
Chr4	105994375	105994585	Chr4.89656	Usp24(-327154),Pipp3(+837133)	N/A
Chr4	106015586	106015947	Chr4.89660	Usp24(-300467),Pipp3(+858420)	N/A
Chr4	106026141	106026430	Chr4.89670	Usp24(-289948),Pipp3(+868939)	N/A
Chr4	106040622	106040759	Chr4.89680	Usp24(-275543),Pipp3(+883344)	N/A
Chr4	106064171	106064390	Chr4.89696	Usp24(-251953),Pipp3(+906934)	N/A
Chr4	106067044	106067329	Chr4.89701	Usp24(-248647),Pipp3(+906940)	N/A
Chr4	106092042	106092239	Chr4.89710	Usp24(-240693),Pipp3(+934713)	N/A
Chr4	106092412	106092513	Chr4.89713	Usp24(-223771),Pipp3(+935116)	N/A
Chr4	106092572	106092706	Chr4.89714	Usp24(-223595),Pipp3(+935292)	N/A
Chr4	106094993	106095111	Chr4.89718	Usp24(-221182),Pipp3(+937705)	N/A
Chr4	106100841	106100855	Chr4.89726	Usp24(-215486),Pipp3(+943401)	N/A
Chr4	106129342	106129630	Chr4.89745	Usp24(-186748),Pipp3(+972139)	N/A
Chr4	106129663	106129812	Chr4.89747	Usp24(-186496),Pipp3(+972391)	N/A
Chr4	106134119	106134515	Chr4.89751	Usp24(-181917),Pipp3(+976970)	N/A
Chr4	106149736	106149933	Chr4.89755	Usp24(-166399),Pipp3(+992488)	N/A
Chr4	106150979	106151167	Chr4.89759	Usp24(-165161),Pipp3(+993726)	N/A
Chr4	106160787	106160806	Chr4.89773	Usp24(-147336)	N/A
Chr4	106165807	106166070	Chr4.89782	Usp24(-130298)	N/A
Chr4	106186196	106186345	Chr4.89790	Usp24(-129653)	N/A
Chr4	106232707	106232810	Chr4.89819	Usp24(-83475)	N/A
Chr4	106301651	106301871	Chr4.89831	Usp24(-14473)	N/A
Chr4	106301910	106302040	Chr4.89837	Usp24(-14259)	N/A
Chr4	106630662	106630841	Chr4.90291	Pars2(-20338),Tlc22(+6330)	N/A
Chr4	106633632	106633732	Chr4.90295	Pars2(-17416),Tlc22(+11250)	N/A

Chr4	106643646	106643811	Chr4.90328	<i>Pars2(-7369),Ttc22(+21297)</i>	N/A
Chr4	106815825	106815981	Chr4.90629	<i>Ssbp3(-95567),Acot11(-16057)</i>	N/A
Chr4	106829051	106829051	Chr4.90633	<i>Ssbp3(-82494),Acot11(-29130)</i>	N/A
Chr4	106840542	106840542	Chr4.90641	<i>Ssbp3(-70853),Acot11(-40741)</i>	N/A
Chr4	106841045	106841230	Chr4.90642	<i>Ssbp3(-70332),Acot11(-41292)</i>	N/A
Chr4	106841425	106841556	Chr4.90646	<i>Ssbp3(-69979),Acot11(-41645)</i>	N/A
Chr4	106842621	106842869	Chr4.90650	<i>Ssbp3(-68725),Acot11(-42899)</i>	N/A
Chr4	106847957	106848181	Chr4.90652	<i>Ssbp3(-63401),Acot11(-48223)</i>	N/A
Chr4	106899224	106899158	Chr4.90658	<i>Acot11(-99245),Ssbp3(-12379)</i>	N/A
Chr4	106909002	106909866	Chr4.90671	<i>Ssbp3(-1739)</i>	N/A
Chr4	106909983	106910478	Chr4.90674	<i>Ssbp3(-1239)</i>	N/A
Chr4	106910574	106910751	Chr4.90677	<i>Ssbp3(-807)</i>	N/A
Chr4	1069113041	106913140	Chr4.90686	<i>Ssbp3(+1621),Mip337(+153777)</i>	N/A
Chr4	106914033	106914239	Chr4.90690	<i>Ssbp3(+2686),Mip337(+152732)</i>	N/A
Chr4	106921440	106921583	Chr4.90701	<i>Ssbp3(+10032),Mip337(+145366)</i>	N/A
Chr4	106921852	106921966	Chr4.90704	<i>Ssbp3(+10439),Mip337(+144959)</i>	N/A
Chr4	106922368	106922580	Chr4.90709	<i>Ssbp3(+11004),Mip337(+144394)</i>	N/A
Chr4	106925532	106926644	Chr4.90719	<i>Ssbp3(+15118),Mip337(+140280)</i>	N/A
Chr4	106926808	106927107	Chr4.90724	<i>Ssbp3(+15488),Mip337(+139910)</i>	N/A
Chr4	106932833	106932963	Chr4.90733	<i>Ssbp3(+21428),Mip337(+133970)</i>	N/A
Chr4	106934203	106934325	Chr4.90736	<i>Ssbp3(+22794),Mip337(+132604)</i>	N/A
Chr4	106936782	106936986	Chr4.90741	<i>Ssbp3(+25414),Mip337(+129984)</i>	N/A
Chr4	106947475	106947619	Chr4.90753	<i>Ssbp3(+36077),Mip337(+119321)</i>	N/A
Chr4	106953984	106954156	Chr4.90763	<i>Ssbp3(+42600),Mip337(+112798)</i>	N/A
Chr4	106955893	106956083	Chr4.90765	<i>Ssbp3(+44519),Mip337(+110879)</i>	N/A
Chr4	106956363	106956637	Chr4.90768	<i>Ssbp3(+45030),Mip337(+110366)</i>	N/A
Chr4	106960098	106960218	Chr4.90772	<i>Ssbp3(+48683),Mip337(+106715)</i>	N/A
Chr4	106964524	106964670	Chr4.90779	<i>Ssbp3(+53127),Mip337(+102271)</i>	N/A
Chr4	106968871	106969191	Chr4.90784	<i>Ssbp3(+57561),Mip337(+97837)</i>	N/A
Chr4	106970356	106970516	Chr4.90788	<i>Ssbp3(+58967),Mip337(+96431)</i>	N/A
Chr4	106974096	106974279	Chr4.90795	<i>Ssbp3(+62715),Mip337(+92683)</i>	N/A
Chr4	106975549	106975740	Chr4.90798	<i>Ssbp3(+64175),Mip337(+91223)</i>	N/A
Chr4	106976986	106977153	Chr4.90800	<i>Ssbp3(+65600),Mip337(+89798)</i>	N/A
Chr4	106977252	106977379	Chr4.90801	<i>Ssbp3(+65846),Mip337(+89552)</i>	N/A
Chr4	106977468	106977655	Chr4.90802	<i>Ssbp3(+66092),Mip337(+89306)</i>	N/A
Chr4	106977991	106978181	Chr4.90808	<i>Ssbp3(+66616),Mip337(+88782)</i>	N/A
Chr4	106978564	106978667	Chr4.90812	<i>Ssbp3(+67146),Mip337(+88252)</i>	N/A
Chr4	106979750	106979946	Chr4.90817	<i>Ssbp3(+68378),Mip337(+87020)</i>	N/A
Chr4	106980846	106981035	Chr4.90822	<i>Ssbp3(+69471),Mip337(+85927)</i>	N/A
Chr4	106984125	106984334	Chr4.90827	<i>Ssbp3(+72760),Mip337(+82638)</i>	N/A
Chr4	106985368	106985559	Chr4.90829	<i>Ssbp3(+73994),Mip337(+81404)</i>	N/A
Chr4	106986701	106986829	Chr4.90836	<i>Ssbp3(+75343),Mip337(+80055)</i>	N/A
Chr4	106988993	106989050	Chr4.90844	<i>Ssbp3(+77302),Mip337(+78086)</i>	N/A
Chr4	106989102	106989567	Chr4.90848	<i>Mip337(+77533),Ssbp3(+77865)</i>	N/A
Chr4	106993836	106993946	Chr4.90862	<i>Mip337(+72977),Ssbp3(+82421)</i>	N/A
Chr4	106997308	106997500	Chr4.90876	<i>Mip337(+69464),Ssbp3(+85934)</i>	N/A
Chr4	107001929	107002251	Chr4.90881	<i>Mip337(+64778),Ssbp3(+90620)</i>	N/A
Chr4	107002633	107002815	Chr4.90886	<i>Mip337(+64144),Ssbp3(+91254)</i>	N/A
Chr4	107004132	107004242	Chr4.90891	<i>Mip337(+62681),Ssbp3(+92717)</i>	N/A
Chr4	107011925	107012105	Chr4.90911	<i>Mip337(+54853),Ssbp3(+100545)</i>	N/A
Chr4	107012507	107012625	Chr4.90913	<i>Mip337(+54302),Ssbp3(+101096)</i>	N/A
Chr4	14190498	14190807	Chr4.9092	<i>Slc26a7(+431152),Runx11(+439356)</i>	N/A
Chr4	107015937	107016059	Chr4.90920	<i>Mip337(+50870),Ssbp3(+104528)</i>	N/A
Chr4	107016160	107016322	Chr4.90925	<i>Mip337(+50627),Ssbp3(+104771)</i>	N/A
Chr4	14201812	14202176	Chr4.9094	<i>Slc26a7(+419811),Runx11(+450697)</i>	N/A
Chr4	107028524	107028678	Chr4.90947	<i>Mip337(+38267),Ssbp3(+117131)</i>	N/A
Chr4	107075559	107075795	Chr4.91049	<i>Cdcp2(-21214),Cyb5n(+5509)</i>	N/A
Chr4	107079492	107097641	Chr4.91076	<i>Cdcp2(-676)</i>	N/A
Chr4	14212400	14212601	Chr4.91110	<i>Slc26a7(+469304),Runx11(+461204)</i>	N/A
Chr4	107108399	107108553	Chr4.91129	<i>Tmem59(-69923),Cdcp2(+11585)</i>	N/A
Chr4	107109717	107109903	Chr4.91132	<i>Tmem59(-68589),Cdcp2(+12919)</i>	N/A
Chr4	107112930	107113126	Chr4.91142	<i>Tmem59(-65371),Cdcp2(+16137)</i>	N/A
Chr4	107126491	107126593	Chr4.91152	<i>Tmem59(-51857),Cdcp2(+29651)</i>	N/A
Chr4	107128429	107128657	Chr4.91154	<i>Tmem59(-49906),Cdcp2(+31602)</i>	N/A
Chr4	107138927	107139411	Chr4.91167	<i>Tmem59(-39320),Cdcp2(+42278)</i>	N/A
Chr4	107144412	107144527	Chr4.91188	<i>Tmem59(-33929),Cdcp2(+47579)</i>	N/A
Chr4	107164228	107164626	Chr4.91204	<i>Tmem59(-13972),Cdcp2(+67536)</i>	N/A
Chr4	107165714	107165950	Chr4.91209	<i>Tmem59(-12567),Cdcp2(+68941)</i>	N/A
Chr4	107185986	107186215	Chr4.91240	<i>Ldfrad1(-23079),Tceanc2(-7554)</i>	N/A
Chr4	107244442	107244635	Chr4.91333	<i>Lrrc42(-6993),Ldfrad1(-33539)</i>	N/A
Chr4	107249596	107249767	Chr4.91343	<i>Hspb11(-42143),Lrrc42(-3850)</i>	N/A
Chr4	14260256	14260770	Chr4.9137	<i>Slc26a7(+361292),Runx11(+509216)</i>	N/A
Chr4	107278333	107278501	Chr4.91373	<i>Hspb11(+24492),Dio1(+28752)</i>	N/A
Chr4	14261134	14261535	Chr4.9146	<i>Slc26a7(+360470),Runx11(+510038)</i>	N/A
Chr4	107354731	107354856	Chr4.91464	<i>Ndc1(-12990),Vgfr1(+40431)</i>	N/A
Chr4	107413896	107414021	Chr4.91546	<i>Gls1(-20760),Ndc1(+46175)</i>	N/A
Chr4	107414087	107414260	Chr4.91548	<i>Gls1(-20545),Ndc1(+46390)</i>	N/A
Chr4	107414765	107414873	Chr4.91551	<i>Gls1(-19900),Ndc1(+47035)</i>	N/A
Chr4	107421830	107422388	Chr4.91566	<i>Gls1(-12610),Ndc1(+54325)</i>	N/A
Chr4	107439302	107439650	Chr4.91586	<i>Gls1(+4757),Dmrtb1(+244754)</i>	N/A
Chr4	107439794	107440037	Chr4.91589	<i>Gls1(+5192),Dmrtb1(+244319)</i>	N/A
Chr4	107440212	107440383	Chr4.91592	<i>Gls1(+5569),Dmrtb1(+243943)</i>	N/A
Chr4	107440604	107440942	Chr4.91596	<i>Gls1(+6054),Dmrtb1(+243457)</i>	N/A
Chr4	107442187	107442576	Chr4.91606	<i>Gls1(+7663),Dmrtb1(+241848)</i>	N/A
Chr4	107442861	107443187	Chr4.91610	<i>Gls1(+8305),Dmrtb1(+241206)</i>	N/A
Chr4	107443265	107443442	Chr4.91612	<i>Gls1(+8635),Dmrtb1(+240876)</i>	N/A
Chr4	107457787	107457995	Chr4.91614	<i>Gls1(+23172),Dmrtb1(+226339)</i>	N/A
Chr4	107461426	107461534	Chr4.91621	<i>Gls1(+26761),Dmrtb1(+222750)</i>	N/A
Chr4	107463816	107463963	Chr4.91622	<i>Gls1(+29171),Dmrtb1(+220340)</i>	N/A
Chr4	107474434	107474768	Chr4.91631	<i>Gls1(+39882),Dmrtb1(+209629)</i>	N/A
Chr4	107480841	107480998	Chr4.91636	<i>Gls1(+46201),Dmrtb1(+203310)</i>	N/A
Chr4	107484951	107485076	Chr4.91637	<i>Gls1(+50295),Dmrtb1(+199216)</i>	N/A
Chr4	107502473	107502793	Chr4.91652	<i>Gls1(+457914),Dmrtb1(+181587)</i>	N/A
Chr4	107513487	107513641	Chr4.91656	<i>Gls1(+78845),Dmrtb1(+170656)</i>	N/A
Chr4	107521018	107521213	Chr4.91664	<i>Gls1(+86397),Dmrtb1(+163114)</i>	N/A
Chr4	107523669	107523839	Chr4.91668	<i>Gls1(+89085),Dmrtb1(+160426)</i>	N/A
Chr4	107537879	107538306	Chr4.91675	<i>Gls1(+103374),Dmrtb1(+146137)</i>	N/A
Chr4	107549669	107549876	Chr4.91685	<i>Gls1(+112054),Dmrtb1(+137457)</i>	N/A
Chr4	107562241	107562346	Chr4.91702	<i>Dmrtb1(+121936),Gls1(+127575)</i>	N/A
Chr4	107570650	107570829	Chr4.91728	<i>Dmrtb1(+113490),Gls1(+136021)</i>	N/A
Chr4	107571030	107571265	Chr4.91730	<i>Dmrtb1(+113082),Gls1(+136429)</i>	N/A
Chr4	107577012	107577227	Chr4.91733	<i>Dmrtb1(+107110),Gls1(+142401)</i>	N/A
Chr4	107591133	107591495	Chr4.91739	<i>Dmrtb1(+92916),Gls1(+156595)</i>	N/A
Chr4	107598093	107598289	Chr4.91749	<i>Dmrtb1(+86039),Gls1(+163472)</i>	N/A
Chr4	107605775	107605904	Chr4.91752	<i>Dmrtb1(+78390),Gls1(+171121)</i>	N/A
Chr4	107609029	107609276	Chr4.91755	<i>Dmrtb1(+75077),Gls1(+174434)</i>	N/A
Chr4	107609908	107610090	Chr4.91760	<i>Dmrtb1(+74231),Gls1(+175280)</i>	N/A
Chr4	107617822	107617732	Chr4.91768	<i>Dmrtb1(+66553),Gls1(+182958)</i>	N/A
Chr4	107621468	107621624	Chr4.91777	<i>Dmrtb1(+62569),Gls1(+186942)</i>	N/A
Chr4	107634956	107635056	Chr4.91819	<i>Dmrtb1(+49224),Gls1(+202257)</i>	N/A
Chr4	107636530	107636740	Chr4.91820	<i>Dmrtb1(+47595),Gls1(+201916)</i>	N/A
Chr4	107651526	107651693	Chr4.91827	<i>Dmrtb1(+32620),Gls1(+216891)</i>	N/A
Chr4	107670773	107670964	Chr4.91836	<i>Dmrtb1(+13361),Gls1(+236150)</i>	N/A
Chr4	107679963	107680222	Chr4.91847	<i>Dmrtb1(+41127),Gls1(+245384)</i>	N/A
Chr4	107717984	107718191	Chr4.91903	<i>Lrp8(-84325),Dmrtb1(-33858)</i>	N/A
Chr4	107740179	107740293	Chr4.91922	<i>Lrp8(-62177),Dmrtb1(-56006)</i>	N/A
Chr4	107745207	107745446	Chr4.91931	<i>Dmrtb1(-61097),Lrp8(-57086)</i>	N/A
Chr4	107820157	107820312	Chr4.91965	<i>Magoh(-59520),Lrp8os2(-9287)</i>	N/A
Chr4	107820976	107821120	Chr4.91967	<i>Magoh(-58707),Lrp8os2(-10100)</i>	N/A
Chr4	107823310	107823748	Chr4.91971	<i>Magoh(-56226),Lrp8os2(-12581)</i>	N/A
Chr4	107826979	107827127	Chr4.91977	<i>Magoh(-52702),Lrp8os2(-16105)</i>	N/A
Chr4	107828812	107829136	Chr4.91982	<i>Magoh(-50781),Lrp8os2(-18006)</i>	N/A
Chr4	107830818	107831116	Chr4.91986	<i>Magoh(-48788),Lrp8os2(-20019)</i>	N/A
Chr4	107835348	107835468	Chr4.91998	<i>Magoh(-44347),Lrp8os2(-24460)</i>	N/A
Chr4	107842618	107842727	Chr4.92019	<i>Magoh(-37082),Lrp8os2(-31725)</i>	N/A
Chr4	14325752	14326052	Chr4.9202	<i>Slc26a7(+16846),Runx11(+574605)</i>	N/A
Chr4	107968318	107968402	Chr4.92252	<i>Slc1a7(+73)</i>	N/A
Chr4	108045653	108045796	Chr4.92425	<i>Podn(-13635),Scp2(+72807)</i>	N/A
Chr4	108045996	108046101	Chr4.92427	<i>Podn(-13959),Scp2(+72483)</i>	N/A
Chr4	108059952	108060042	Chr4.92443	<i>Podn(-28007),Scp2(+58435)</i>	N/A
Chr4	108181919	108181919	Chr4.92524	<i>Echdc2(+16413),Zyg11a(-36072)</i>	N/A
Chr4	108345965	108346093	Chr4.92636	<i>Coa7(+7899),Shisa2a(+37310)</i>	N/A
Chr4	108359769	108359910	Chr4.92646	<i>Shisa2a(+23509),Coa7(+31700)</i>	N/A
Chr4	108428159	108428275	Chr4.92678	<i>Tu4(-31209),Gpx7(-21256)</i>	N/A
Chr4	108433247	108433400	Chr4.92682	<i>Gpx7(-26363),Tu4(-26102)</i>	N/A
Chr4	108433460	108433756	Chr4.92685	<i>Gpx7(-26647),Tu4(-25818)</i>	N/A
Chr4	14453472	14453646	Chr4.9305	<i>Slc26a7(+16846),Runx11(+702262)</i>	N/A
Chr4	108782352	108782462	Chr4.93073	<i>Zfyw9(-58531),Bf3q4(+51207)</i>	N/A

Chr4	14461714	14462093	Chr4.9310	Slc26a7(+159901),Runx1f1(+710607)	N/A
Chr4	108833299	108833562	Chr4.93126	Txndc12(-1170),Bf3b4(+183)	N/A
Chr4	108883761	108888364	Chr4.93186	Nrd1(-116792),Rab3b(+4800)	N/A
Chr4	108915261	108915407	Chr4.93217	Nrd1(-85321),Rab3b(+36271)	N/A
Chr4	14490894	14491131	Chr4.9326	Slc26a7(+130792),Runx1f1(+739716)	N/A
Chr4	5560302	5560513	Chr4.933	Impad1(-767053),Fam110b(-83713)	N/A
Chr4	109091541	109091736	Chr4.93403	Nrd1(+90984),Oaspl9(+110633)	N/A
Chr4	109155177	109155280	Chr4.93444	Oaspl9(+47043),Nrd1(+154574)	N/A
Chr4	109155966	109156355	Chr4.93451	Oaspl9(+46150),Nrd1(+155506)	N/A
Chr4	109156393	109156581	Chr4.93455	Oaspl9(+45788),Nrd1(+155832)	N/A
Chr4	109201908	109202052	Chr4.93470	Oaspl9(+292)	N/A
Chr4	109225256	109225499	Chr4.93491	Oaspl9(-23106),Calr4(-10254)	N/A
Chr4	109273798	109273998	Chr4.93534	Eps15(-6370),Calr4(+38266)	N/A
Chr4	109343124	109343446	Chr4.93637	Ttc39a(-72363),Eps15(+63071)	N/A
Chr4	109385700	109385906	Chr4.93700	Ttc39a(-29945),Eps15(+105539)	N/A
Chr4	145337399	14533930	Chr4.9378	Slc26a7(+87940),Runx1f1(+782568)	N/A
Chr4	109444366	109444490	Chr4.93783	Ttc39a(+28780),Rnf11(+32247)	N/A
Chr4	109445564	109445705	Chr4.93784	Ttc39a(+29987),Rnf11(+31040)	N/A
Chr4	109460474	109460786	Chr4.93811	Rnf11(+16045),Ttc39a(+44982)	N/A
Chr4	109475352	109475352	Chr4.93817	Rnf11(+1381),Ttc39a(+59646)	N/A
Chr4	109567454	109567740	Chr4.93843	4930522h14rk(-36300),Cdkn2c(+99592)	N/A
Chr4	109664766	109665416	Chr4.93947	4930522h14rk(-133794),Cdkn2c(+2098)	N/A
Chr4	109665445	109665562	Chr4.93949	4930522h14rk(-134207),Cdkn2c(+1685)	N/A
Chr4	14552114	14552281	Chr4.9397	Slc26a7(+69607),Runx1f1(+800901)	N/A
Chr4	109789750	109789876	Chr4.94091	Dmrt2(-188240),Faf1(+113225)	N/A
Chr4	145538583	145538579	Chr4.9410	Slc26a7(+65324),Runx1f1(+807184)	N/A
Chr4	109797906	109798180	Chr4.94116	Dmrt2(-180010),Faf1(+121455)	N/A
Chr4	14558742	14558940	Chr4.9413	Slc26a7(+62964),Runx1f1(+807544)	N/A
Chr4	14559134	14559286	Chr4.9418	Slc26a7(+62595),Runx1f1(+807913)	N/A
Chr4	109960208	109960474	Chr4.94330	Dmrt2(-17712),Faf1(+283753)	N/A
Chr4	110051646	110051774	Chr4.94408	Dmrt2(+73657),Elav4(+233179)	N/A
Chr4	110125493	110125659	Chr4.94466	Dmrt2(+147323),Elav4(+16113)	N/A
Chr4	110128145	110128296	Chr4.94473	Dmrt2(+150168),Elav4(+158668)	N/A
Chr4	110129591	110129734	Chr4.94477	Dmrt2(+151610),Elav4(+157226)	N/A
Chr4	110134066	110134248	Chr4.94485	Elav4(+152732),Dmrt2(+156104)	N/A
Chr4	110152569	110152831	Chr4.94503	Elav4(+134189),Dmrt2(+174647)	N/A
Chr4	110206789	110206789	Chr4.94557	Elav4(+80153),Dmrt2(+23661)	N/A
Chr4	110213805	110213943	Chr4.94596	Elav4(+73015),Dmrt2(+235821)	N/A
Chr4	14611545	14611727	Chr4.9460	Slc26a7(+10169),Runx1f1(+860339)	N/A
Chr4	14620205	14620354	Chr4.9470	Slc26a7(+1525),Runx1f1(+868983)	N/A
Chr4	110257138	110257401	Chr4.94725	Elav4(+29619),Dmrt2(+279217)	N/A
Chr4	14620601	14620827	Chr4.9474	Slc26a7(+1091),Runx1f1(+869417)	N/A
Chr4	110277434	110277599	Chr4.94784	Elav4(+9372),Dmrt2(+296494)	N/A
Chr4	110284793	110285110	Chr4.94825	Elav4(+1937),Dmrt2(+306899)	N/A
Chr4	110285332	110285693	Chr4.94826	Elav4(+1376),Dmrt2(+307460)	N/A
Chr4	110285805	110286318	Chr4.94828	Elav4(+827)	N/A
Chr4	110286443	110286843	Chr4.94832	Elav4(+246)	N/A
Chr4	110286943	110287307	Chr4.94834	Elav4(+236)	N/A
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Chr4	110287617	110287783	Chr4.94839	Elav4(+811)	N/A
Chr4	110287841	110288071	Chr4.94840	Elav4(+1067)	N/A
Chr4	14621655	14621910	Chr4.9485	Slc26a7(+22)	N/A
Chr4	110289768	110290086	Chr4.94852	Elav4(+3038)	N/A
Chr4	110290144	110290452	Chr4.94855	Elav4(+3409)	N/A
Chr4	110290600	110291003	Chr4.94859	Elav4(-3913)	N/A
Chr4	110292471	110292844	Chr4.94874	Agbl4(-105133),Elav4(-5769)	N/A
Chr4	110350611	110350819	Chr4.94960	Elav4(-63826),Agbl4(-47076)	N/A
Chr4	110916157	110916499	Chr4.95211	Bend5(-498678),Agbl4(+518537)	N/A
Chr4	110916811	110916891	Chr4.95215	Bend5(-498255),Agbl4(+516960)	N/A
Chr4	111189007	111189498	Chr4.95430	Bend5(-226604),Agbl4(+790611)	N/A
Chr4	111199883	111199985	Chr4.95438	Bend5(-215072),Agbl4(+802143)	N/A
Chr4	111306668	111306795	Chr4.95523	Bend5(-108274),Agbl4(+908941)	N/A
Chr4	111327212	111327497	Chr4.95529	Bend5(-87651),Agbl4(+929564)	N/A
Chr4	111329497	111329656	Chr4.95534	Bend5(-85429),Agbl4(+931786)	N/A
Chr4	111350071	111350342	Chr4.95549	Bend5(-64739),Agbl4(+952416)	N/A
Chr4	111350399	111350690	Chr4.95554	Bend5(-64461),Agbl4(+952754)	N/A
Chr4	111356832	111357503	Chr4.95561	Bend5(-57838),Agbl4(+959377)	N/A
Chr4	111370688	111370877	Chr4.95573	Bend5(-44223),Agbl4(+972992)	N/A
Chr4	111390886	111391072	Chr4.95593	Bend5(-24027),Agbl4(+993188)	N/A
Chr4	111402863	111402862	Chr4.95606	Bend5(-12073)	N/A
Chr4	111403292	111403457	Chr4.95610	Bend5(-11631)	N/A
Chr4	111410631	111411014	Chr4.95617	Bend5(-4183)	N/A
Chr4	111420061	111420507	Chr4.95636	Spata6(-299700),Bend5(+5278)	N/A
Chr4	111423080	111423225	Chr4.95641	Spata6(-296831),Bend5(+8147)	N/A
Chr4	111424302	111424425	Chr4.95645	Spata6(-296260),Bend5(+9358)	N/A
Chr4	111440298	111440575	Chr4.95652	Spata6(-279547),Bend5(+25431)	N/A
Chr4	111441135	111444609	Chr4.95664	Spata6(-275612),Bend5(+29356)	N/A
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Chr4	14795209	14795368	Chr4.9577	Lrrc69(+771)	N/A
Chr4	111579986	111580095	Chr4.95780	Spata6(-139943),Bend5(+165035)	N/A
Chr4	111597397	111597574	Chr4.95793	Spata6(-122498),Bend5(+182480)	N/A
Chr4	111608049	111608298	Chr4.95804	Spata6(-111610),Bend5(+193168)	N/A
Chr4	14795540	14795667	Chr4.9581	Lrrc69(+456)	N/A
Chr4	111625066	111625205	Chr4.95828	Spata6(-94848),Bend5(+210130)	N/A
Chr4	111663895	111664223	Chr4.95876	Spata6(-55925),Bend5(+249053)	N/A
Chr4	111671149	111671256	Chr4.95882	Spata6(-48781),Bend5(+256197)	N/A
Chr4	111691151	111691455	Chr4.95898	Spata6(-28881),Bend5(+216297)	N/A
Chr4	14803268	14803410	Chr4.9590	Lrrc69(-7279),Otu5b(+23248)	N/A
Chr4	14378655	14378834	Chr4.96166	Trab2b(-27979),Skin1f1(+215361)	N/A
Chr4	14410104	14410311	Chr4.96223	Gm12830(-411514),Trab2b(+3484)	N/A
Chr4	14410473	14411038	Chr4.96227	Gm12830(-410966),Trab2b(+4032)	N/A
Chr4	14411078	14411317	Chr4.96235	Gm12830(-410524),Trab2b(+4474)	N/A
Chr4	14411403	14411540	Chr4.96238	Gm12830(-410250),Trab2b(+4103)	N/A
Chr4	14416066	14416219	Chr4.96246	Gm12830(-405579),Trab2b(+9419)	N/A
Chr4	14416271	14416617	Chr4.96249	Gm12830(-405278),Trab2b(+9720)	N/A
Chr4	144423021	144423319	Chr4.96257	Gm12830(-398552),Trab2b(+16446)	N/A
Chr4	144448511	144448786	Chr4.96285	Gm12830(-373083),Trab2b(+41915)	N/A
Chr4	144725894	14472807	Chr4.96305	Gm12830(-349628),Trab2b(+459372)	N/A
Chr4	14477466	14477681	Chr4.96318	Gm12830(-344148),Trab2b(+70850)	N/A
Chr4	14481568	14481702	Chr4.96322	Gm12830(-340087),Trab2b(+74911)	N/A
Chr4	14504706	14504821	Chr4.96352	Gm12830(-316958),Trab2b(+98040)	N/A
Chr4	14515911	14516172	Chr4.96359	Gm12830(-305680),Trab2b(+109318)	N/A
Chr4	14881990	14882101	Chr4.9636	Pip4p2(+17970),Ncab1(+267089)	N/A
Chr4	14516850	14517014	Chr4.96364	Gm12830(-304990),Trab2b(+110108)	N/A
Chr4	14537654	14537790	Chr4.96403	Gm12830(-284000),Trab2b(+130998)	N/A
Chr4	14550629	14550733	Chr4.96421	Gm12830(-271041),Trab2b(+143957)	N/A
Chr4	14550779	14550918	Chr4.96424	Gm12830(-270873),Trab2b(+144125)	N/A
Chr4	14562720	14562961	Chr4.96434	Gm12830(-258881),Trab2b(+158117)	N/A
Chr4	14564282	14564408	Chr4.96436	Gm12830(-257377),Trab2b(+157621)	N/A
Chr4	14564983	14565055	Chr4.96437	Gm12830(-257183),Trab2b(+159615)	N/A
Chr4	14568353	14568503	Chr4.96439	Gm12830(-253294),Trab2b(+161704)	N/A
Chr4	14569444	14569577	Chr4.96440	Gm12830(-252211),Trab2b(+162787)	N/A
Chr4	14577975	14578078	Chr4.96447	Gm12830(-243695),Trab2b(+171303)	N/A
Chr4	14578530	14578687	Chr4.96453	Gm12830(-243113),Trab2b(+171885)	N/A
Chr4	14593857	14594101	Chr4.96482	Gm12830(-227743),Trab2b(+217025)	N/A
Chr4	14595246	14595500	Chr4.96488	Gm12830(-226349),Trab2b(+188649)	N/A
Chr4	14601404	14601512	Chr4.96497	Gm12830(-220264),Trab2b(+194734)	N/A
Chr4	14605787	14605926	Chr4.96507	Gm12830(-215865),Trab2b(+199133)	N/A
Chr4	14623981	14624106	Chr4.96538	Gm12830(-197678),Trab2b(+217320)	N/A
Chr4	14624334	14624452	Chr4.96541	Gm12830(-197329),Trab2b(+217669)	N/A
Chr4	14647003	14647237	Chr4.96547	Gm12830(-174602),Trab2b(+240396)	N/A
Chr4	14659870	14659972	Chr4.96552	Gm12830(-161801),Trab2b(+253197)	N/A
Chr4	14661290	14661468	Chr4.96558	Gm12830(-160343),Trab2b(+254655)	N/A
Chr4	14667748	14667868	Chr4.96563	Gm12830(-153914),Trab2b(+261084)	N/A
Chr4	14672468	14672620	Chr4.96573	Gm12830(-149178),Trab2b(+265820)	N/A
Chr4	14677676	14677821	Chr4.96586	Gm12830(-143973),Trab2b(+271025)	N/A
Chr4	14680314	14680472	Chr4.96594	Gm12830(-141329),Trab2b(+273669)	N/A
Chr4	14685678	14685808	Chr4.96610	Gm12830(-135979),Trab2b(+279019)	N/A
Chr4	14685888	14686070	Chr4.96613	Gm12830(-135743),Trab2b(+279255)	N/A
Chr4	14686227	14686589	Chr4.96616	Gm12830(-135314),Trab2b(+279694)	N/A
Chr4	14688022	14688250	Chr4.96620	Gm12830(-133586),Trab2b(+281412)	N/A
Chr4	14688584	14688654	Chr4.96625	Gm12830(-133304),Trab2b(+281694)	N/A
Chr4	14688754	14688915	Chr4.96632	Gm12830(-132887),Trab2b(+282111)	N/A
Chr4	14693043	14693240	Chr4.96634	Gm12830(-128580),Trab2b(+286418)	N/A
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Chr4	14777767	14777787	Chr4.96703	Gm12830(-43990),Trab2b(+371008)	N/A

Chr4	114779304	114779936	Chr4.96705	Gm12830(-42102), Trabd2b(+372896)	N/A
Chr4	114780339	114780482	Chr4.96708	Gm12830(+41311), Trabd2b(+373687)	N/A
Chr4	114789528	114789528	Chr4.96718	Gm12830(-32630), Trabd2b(+382368)	N/A
Chr4	114791946	114791946	Chr4.96726	Gm12830(-29934), Trabd2b(+385054)	N/A
Chr4	114818985	114819527	Chr4.96757	Gm12830(-2466)	N/A
Chr4	114821688	114822040	Chr4.96765	Gm12830(+142)	N/A
Chr4	114842702	114842897	Chr4.96787	Gm12830(+21078), Foxd2(+66098)	N/A
Chr4	114846760	114846958	Chr4.96791	Gm12830(+25137), Foxd2(+62039)	N/A
Chr4	114861747	114862044	Chr4.96807	Gm12830(+40174), Foxd2(+47302)	N/A
Chr4	114867446	114867551	Chr4.96824	Foxd2(+21399), Gm12830(+85777)	N/A
Chr4	114891107	114891304	Chr4.96830	Foxd2(+17692), Gm12830(+69484)	N/A
Chr4	114891732	114891947	Chr4.96834	Foxd2(+17058), Gm12830(+70118)	N/A
Chr4	114902803	114903250	Chr4.96841	Foxd2(+5871), Gm12830(+81305)	N/A
Chr4	114906243	114906649	Chr4.96854	Foxd2(+2452), Gm12830(+84724)	N/A
Chr4	114929176	114929597	Chr4.96882	Foxa3(-3335)	N/A
Chr4	114937593	114937746	Chr4.96889	Foxe3(-11618), Cmpk1(+49571)	N/A
Chr4	114980158	114980273	Chr4.96951	Foxe3(-54164), Cmpk1(+7025)	N/A
Chr4	115000069	115000192	Chr4.96959	Stil(-28)	N/A
Chr4	115059421	115059559	Chr4.97066	Pdzk1p(-29218), Tal1(+3064)	N/A
Chr4	115073534	115075791	Chr4.97108	Pdzk1p(-11298), Tal1(+19287)	N/A
Chr4	115073857	115079081	Chr4.97111	Pdzk1p(-14739), Tal1(+22543)	N/A
Chr4	115079142	115079254	Chr4.97118	Pdzk1p(-9510), Tal1(+22772)	N/A
Chr4	115095827	115096011	Chr4.97138	Pdzk1p1(+7211), Cyp4x1(+38058)	N/A
Chr4	15012737	15012881	Chr4.9733	Necab1(+136322), Pip4p2(+148733)	N/A
Chr4	15045359	15045488	Chr4.9751	Necab1(+103707), Pip4p2(+181348)	N/A
Chr4	15090921	15091032	Chr4.9762	Necab1(+58154), Pip4p2(+226901)	N/A
Chr4	151738422	151738690	Chr4.97727	Efcab14(+483)	N/A
Chr4	151761469	151761617	Chr4.97789	Tex38(+19475), Efcab14(+23470)	N/A
Chr4	151830687	151830837	Chr4.97886	Mknk1(-8471), Mob3c(+2670)	N/A
Chr4	15151802	15151976	Chr4.9793	Necab1(-2758)	N/A
Chr4	151584879	151585185	Chr4.97937	Kncn(-28368), Mknk1(+15799)	N/A
Chr4	151863483	151864454	Chr4.97959	Kncn(-20431), Mknk1(+24736)	N/A
Chr4	151864658	151864900	Chr4.97965	Kncn(-19621), Mknk1(+25546)	N/A
Chr4	151868948	151869088	Chr4.97974	Kncn(-15382), Mknk1(+29785)	N/A
Chr4	151869129	151869336	Chr4.97976	Kncn(-15167), Mknk1(+30000)	N/A
Chr4	151870039	151870290	Chr4.97982	Kncn(-14235), Mknk1(+30932)	N/A
Chr4	151878699	151878799	Chr4.98013	Kncn(-5696), Mknk1(+39471)	N/A
Chr4	151904724	151904824	Chr4.98055	Kncn(+20374), Dmbx1(+20864)	N/A
Chr4	151905802	151905907	Chr4.98056	Dmbx1(+19783), Kncn(+21455)	N/A
Chr4	151908714	151908890	Chr4.98061	Dmbx1(+16836), Kncn(+24402)	N/A
Chr4	151911762	151911924	Chr4.98063	Dmbx1(+13795), Kncn(+27443)	N/A
Chr4	151939388	151939513	Chr4.98121	Dmbx1(-13813), Faah(+78475)	N/A
Chr4	151944164	151944312	Chr4.98129	Dmbx1(-16500), Faah(+73688)	N/A
Chr4	151955177	151955391	Chr4.98146	Dmbx1(-29646), Faah(+62642)	N/A
Chr4	151963058	151963295	Chr4.98162	Dmbx1(-37539), Faah(+54749)	N/A
Chr4	151964100	151964281	Chr4.98164	Dmbx1(-38553), Faah(+53735)	N/A
Chr4	151965080	151965301	Chr4.98167	Dmbx1(-39553), Faah(+52735)	N/A
Chr4	151979489	151979629	Chr4.98193	Dmbx1(-53921), Faah(+38367)	N/A
Chr4	16070110	16070377	Chr4.98307	Nsua4(-16368), Uqcr(-4827)	N/A
Chr4	16075015	16075155	Chr4.98311	Lrrc41(-184), Uqcr(-14)	N/A
Chr4	161174904	161175038	Chr4.98537	Pik3r3(-46690), 1700042g07rik(+1599)	N/A
Chr4	161175821	161176033	Chr4.98543	Pik3r3(-45734), 1700042g07rik(+2555)	N/A
Chr4	16216325	16216497	Chr4.98570	Pik3r3(-5250), 1700042g07rik(+43039)	N/A
Chr4	16219074	16219347	Chr4.98581	Pik3r3(-2450)	N/A
Chr4	16220117	16220323	Chr4.98589	Pik3r3(-1441)	N/A
Chr4	16220957	16221056	Chr4.98593	Pik3r3(-654)	N/A
Chr4	16223313	16223657	Chr4.98610	Pik3r3(+1824), Mast2(+240698)	N/A
Chr4	16223799	16223948	Chr4.98617	Pik3r3(+2213), Mast2(+240309)	N/A
Chr4	16223987	16224165	Chr4.98618	Pik3r3(+2415), Mast2(+240107)	N/A
Chr4	16296871	16300046	Chr4.98651	Pik3r3(-78298), Mast2(+164224)	N/A
Chr4	16300449	16300587	Chr4.98658	Pik3r3(+78857), Mast2(+163665)	N/A
Chr4	16300674	16300810	Chr4.98660	Pik3r3(+79081), Mast2(+163441)	N/A
Chr4	16301039	16301171	Chr4.98663	Pik3r3(+79444), Mast2(+163078)	N/A
Chr4	16301219	16301318	Chr4.98667	Pik3r3(-79968), Mast2(+162914)	N/A
Chr4	16371462	16371537	Chr4.98801	Mast2(-92713), Pik3r3(+169896)	N/A
Chr4	16405889	16406265	Chr4.98822	Mast2(-58106), Pik3r3(+184416)	N/A
Chr4	16464780	16464941	Chr4.98832	Mast2(-678)	N/A
Chr4	16558635	16558740	Chr4.98901	Tmem69(-2752), Gpbp11(+1030)	N/A
Chr4	16627476	16627587	Chr4.99037	Naspl(+409)	N/A
Chr4	16720645	16720835	Chr4.99152	Test2(-208)	N/A
Chr4	16721062	16721182	Chr4.99160	Test2(-174)	N/A
Chr4	16782254	16782488	Chr4.99200	Toe1(+25269), Test2(+61423)	N/A
Chr4	16788141	16788277	Chr4.99206	Toe1(+19431), Test2(+67261)	N/A
Chr4	16803437	16803543	Chr4.99244	Mutyh(-4233), Toe1(+4150)	N/A
Chr4	16803873	16804113	Chr4.99249	Mutyh(-3730), Toe1(+3647)	N/A
Chr4	16829950	16830153	Chr4.99354	Zawim5(-47324), Hcdi(-8544)	N/A
Chr4	16830191	16830387	Chr4.99368	Zawim5(-47087), Hcdi(-8781)	N/A
Chr4	16878602	16878838	Chr4.99386	Zawim5(+1344), Urocl(+15693)	N/A
Chr4	17007218	17007449	Chr4.99602	Elf2b3(-12068), Hcdt3(+12017)	N/A
Chr4	17033979	17034319	Chr4.99618	Ptcn2(-61926), Elf2b3(+14747)	N/A
Chr4	17039922	17040273	Chr4.99622	Ptcn2(-59977), Elf2b3(+20696)	N/A
Chr4	17040324	17040442	Chr4.99628	Ptcn2(-56629), Elf2b3(+20981)	N/A
Chr4	17041641	17041761	Chr4.99635	Ptcn2(-54374), Elf2b3(+22299)	N/A
Chr4	17062822	17062935	Chr4.99654	Ptcn2(-33196), Elf2b3(+43477)	N/A
Chr4	17098340	17098484	Chr4.99693	Ptcn2(-2337), Btdb19(+27206)	N/A
Chr4	5701117	5701281	Chr4.997	Ubxn2b(-489909), Fam110b(+57068)	N/A
Chr4	171132071	171132192	Chr4.99888	Pik3(+1831), Tctex1b4(+5319)	N/A
Chr4	17148122	17148290	Chr4.99953	Pik3(-14243), Rps8(+8037)	N/A
Chr4	17148388	17148513	Chr4.99960	Pik3(-14488), Rps8(+7792)	N/A
Chr4	17155182	17155282	Chr4.99982	Pik3(-21269), Rps8(+1011)	N/A
Chr5	19310108	19310269	Chr5.100000	Tbx3(-360829), Med13(+749470)	N/A
Chr5	19325862	19326101	Chr5.100016	Tbx3(-345036), Med13(+765263)	N/A
Chr5	19356318	19356454	Chr5.100040	Tbx3(-314632), Med13(+795667)	N/A
Chr5	19366435	19366810	Chr5.100058	Tbx3(-304395), Med13(+805904)	N/A
Chr5	19378320	19378591	Chr5.100077	Tbx3(-292562), Med13(+817737)	N/A
Chr5	19400589	19400931	Chr5.100114	Tbx3(-270258), Med13(+840041)	N/A
Chr5	19410895	19411316	Chr5.100125	Tbx3(-259912), Med13(+850387)	N/A
Chr5	19418634	19418810	Chr5.100141	Tbx3(-252296), Med13(+858003)	N/A
Chr5	19427831	19427991	Chr5.100159	Tbx3(-243107), Med13(+867192)	N/A
Chr5	19434198	19434297	Chr5.100165	Tbx3(-236770), Med13(+873529)	N/A
Chr5	19449220	19449474	Chr5.100183	Tbx3(-221671), Med13(+888628)	N/A
Chr5	19462965	19463214	Chr5.100200	Tbx3(-207928), Med13(+902371)	N/A
Chr5	19463308	19463471	Chr5.100205	Tbx3(-207628), Med13(+902671)	N/A
Chr5	19472837	19472873	Chr5.100219	Tbx3(-198263), Med13(+912036)	N/A
Chr5	17210917	17211049	Chr5.10023	Gm8991(-479909), Spea4f2(-162225)	N/A
Chr5	19491217	19491348	Chr5.100246	Tbx3(-179735), Med13(+930564)	N/A
Chr5	19507600	19507989	Chr5.100264	Tbx3(-163223), Med13(+947076)	N/A
Chr5	19515397	19515587	Chr5.100277	Tbx3(-155526), Med13(+954773)	N/A
Chr5	19551056	19551387	Chr5.100304	Tbx3(-119796), Med13(+980503)	N/A
Chr5	19553754	19553963	Chr5.100313	Tbx3(-117159), Med13(+993140)	N/A
Chr5	19559781	19559937	Chr5.100325	Tbx3(-111159), Med13(+999140)	N/A
Chr5	19570243	19570444	Chr5.100343	Tbx3(-100674)	N/A
Chr5	19575210	19575382	Chr5.100348	Tbx3(-95722)	N/A
Chr5	19597870	19597996	Chr5.100364	Tbx3(-73089)	N/A
Chr5	19598108	19598320	Chr5.100368	Tbx3(-72804)	N/A
Chr5	19608821	19608946	Chr5.100381	Tbx3(-62134)	N/A
Chr5	19612594	19612806	Chr5.100400	Tbx3(-58318)	N/A
Chr5	19615604	19615913	Chr5.100407	Tbx3(-55259)	N/A
Chr5	19620015	19620136	Chr5.100412	Tbx3(-50942)	N/A
Chr5	19625711	19625887	Chr5.100415	Tbx3(-45219)	N/A
Chr5	19629396	19629526	Chr5.100419	Tbx3(-41587)	N/A
Chr5	19629575	19629674	Chr5.100422	Tbx3(-41393)	N/A
Chr5	19657106	19657283	Chr5.100446	Tbx3(-13823)	N/A
Chr5	19661284	19661521	Chr5.100452	Tbx3(-9615)	N/A
Chr5	19662318	19662434	Chr5.100457	Tbx3(-8642)	N/A
Chr5	19664700	19664876	Chr5.100461	Tbx3(-6230)	N/A
Chr5	19667427	19667531	Chr5.100470	Tbx3(-3539)	N/A
Chr5	19668134	19668473	Chr5.100475	Tbx3(-2714)	N/A
Chr5	19669207	19669321	Chr5.100479	Tbx3(-1754)	N/A
Chr5	19669722	19669842	Chr5.100480	Tbx3(-1236)	N/A
Chr5	19670861	19671044	Chr5.100491	Tbx3(-50)	N/A
Chr5	19674979	19675286	Chr5.100507	Tbx5(-159530), Tbx3(+4115)	N/A
Chr5	19683943	19684111	Chr5.100565	Tbx5(-150636), Tbx3(+13009)	N/A
Chr5	19685619	19685728	Chr5.100573	Tbx5(-148989), Tbx3(+14656)	N/A
Chr5	19687162	19687332	Chr5.100580	Tbx5(-147416), Tbx3(+16229)	N/A
Chr5	19687840	19687955	Chr5.100586	Tbx5(-146765), Tbx3(+16880)	N/A
Chr5	19689462	19689564	Chr5.100591	Tbx5(-139590), Tbx3(+24055)	N/A
Chr5	19742694	19742793	Chr5.100612	Tbx5(-91919), Tbx3(+71726)	N/A

Chf5	119748703	119748810	Chf5.100617	Tbx5(-85906),Tbx3(+77739)	N/A
Chf5	119748858	119749194	Chf5.100620	Tbx5(-85637),Tbx3(+78008)	N/A
Chf5	119875570	119875693	Chf5.100653	Rbm19(-240878),Tbx5(+40969)	N/A
Chf5	119891929	119892239	Chf5.100696	Rbm19(-224426),Tbx5(+57421)	N/A
Chf5	119927130	119927311	Chf5.100919	Rbm19(-189289),Tbx5(+92558)	N/A
Chf5	119932581	119932743	Chf5.100926	Rbm19(-183848),Tbx5(+97999)	N/A
Chf5	119944465	119944584	Chf5.100949	Rbm19(-171985),Tbx5(+109862)	N/A
Chf5	119944620	119944758	Chf5.100951	Rbm19(-171821),Tbx5(+110026)	N/A
Chf5	119947844	119948167	Chf5.100956	Rbm19(-168504),Tbx5(+113343)	N/A
Chf5	119954314	119954431	Chf5.100968	Rbm19(-162137),Tbx5(+119710)	N/A
Chf5	119959093	119959215	Chf5.100972	Rbm19(-157356),Tbx5(+124491)	N/A
Chf5	119973255	119973389	Chf5.100993	Rbm19(-143188),Tbx5(+138659)	N/A
Chf5	119978179	119978394	Chf5.100997	Rbm19(-138223),Tbx5(+143624)	N/A
Chf5	120031008	120031185	Chf5.101037	Rbm19(-85413),Tbx5(+195434)	N/A
Chf5	120155688	120155825	Chf5.101204	Lhx5(-276013),Rbm19(+39247)	N/A
Chf5	120155935	120156134	Chf5.101205	Lhx5(-275735),Rbm19(+39625)	N/A
Chf5	120167724	120167886	Chf5.101217	Lhx5(-263965),Rbm19(+51295)	N/A
Chf5	120172305	120172443	Chf5.101222	Lhx5(-259396),Rbm19(+55864)	N/A
Chf5	120174731	120174865	Chf5.101229	Lhx5(-256972),Rbm19(+58288)	N/A
Chf5	120190005	120190114	Chf5.101265	Lhx5(-241708),Rbm19(+73552)	N/A
Chf5	120190158	120190282	Chf5.101269	Lhx5(-241850),Rbm19(+73710)	N/A
Chf5	120192912	120193162	Chf5.101275	Lhx5(-238733),Rbm19(+76527)	N/A
Chf5	120194870	120195185	Chf5.101278	Lhx5(-236742),Rbm19(+78518)	N/A
Chf5	120200678	120200818	Chf5.101287	Lhx5(-231022),Rbm19(+84238)	N/A
Chf5	120206502	120206666	Chf5.101292	Lhx5(-228186),Rbm19(+90074)	N/A
Chf5	120210898	120210863	Chf5.101295	Lhx5(-220899),Rbm19(+94271)	N/A
Chf5	120212511	120212638	Chf5.101298	Lhx5(-219195),Rbm19(+96065)	N/A
Chf5	120221636	120221786	Chf5.101304	Lhx5(-210059),Rbm19(+105201)	N/A
Chf5	120225566	120225674	Chf5.101311	Lhx5(-206150),Rbm19(+109110)	N/A
Chf5	120231440	120231595	Chf5.101318	Lhx5(-200252),Rbm19(+115008)	N/A
Chf5	120252002	120252205	Chf5.101329	Lhx5(-179686),Rbm19(+135994)	N/A
Chf5	120280353	120280613	Chf5.101352	Lhx5(-151287),Rbm19(+163978)	N/A
Chf5	120285062	120285273	Chf5.101362	Lhx5(-146602),Rbm19(+168658)	N/A
Chf5	120297366	120297490	Chf5.101381	Lhx5(-134342),Rbm19(+180918)	N/A
Chf5	120322334	120322881	Chf5.101404	Lhx5(-109162),Rbm19(+206089)	N/A
Chf5	120358285	120358558	Chf5.101437	Lhx5(-73349),Rbm19(+241911)	N/A
Chf5	120394916	120394141	Chf5.101467	Lhx5(-37691),Rbm19(+275667)	N/A
Chf5	120398194	120398382	Chf5.101471	Lhx5(-33482),Rbm19(+281778)	N/A
Chf5	120409459	120409916	Chf5.101482	Lhx5(-22082),Rbm19(+293178)	N/A
Chf5	17556274	17556409	Chf5.10151	Sema3c(-17939),Spear4f1(+80244)	N/A
Chf5	120436034	120436138	Chf5.101518	Lhx5(+4316),Sds1(+36724)	N/A
Chf5	120438171	120438284	Chf5.101526	Lhx5(+6458),Sds1(+34582)	N/A
Chf5	17574695	17574834	Chf5.10161	Sema3c(+454)	N/A
Chf5	120567397	120567591	Chf5.101919	Tpcn1(+21119),Slc8b1(+56326)	N/A
Chf5	120571132	120571276	Chf5.101927	Tpcn1(+17409),Slc8b1(+60036)	N/A
Chf5	120680199	120680380	Chf5.102263	Rasal1(+31102),Dlx1(+31637)	N/A
Chf5	120690939	120690916	Chf5.102325	Dlx1(+12827),Rasal1(+49912)	N/A
Chf5	121008018	121008168	Chf5.102603	Rph3ac(+1405),Cux1(+93577)	N/A
Chf5	121111509	121111612	Chf5.102671	Rph3ac(-102043),Pipn11(+79836)	N/A
Chf5	121190941	121191082	Chf5.102766	Pipn11(+385)	N/A
Chf5	121204441	121204565	Chf5.102768	Rpl6(+22)	N/A
Chf5	121216308	121216414	Chf5.102793	Hectd4(-3858)	N/A
Chf5	121220168	121220283	Chf5.102799	Hectd4(+7)	N/A
Chf5	121221577	121222018	Chf5.102812	Hectd4(+1579),Trafd1(+163834)	N/A
Chf5	121239961	121240072	Chf5.102831	Hectd4(+19798),Trafd1(+145615)	N/A
Chf5	121251815	121251986	Chf5.102837	Hectd4(+31682),Trafd1(+133731)	N/A
Chf5	121252026	121252127	Chf5.102840	Hectd4(+31858),Trafd1(+133555)	N/A
Chf5	121294944	121295136	Chf5.102914	Hectd4(+74821),Trafd1(+90592)	N/A
Chf5	17689142	17689346	Chf5.10326	Sema3c(+114964),Cdx5(+1993714)	N/A
Chf5	17689752	17689901	Chf5.10327	Sema3c(+115546),Cdx5(+199132)	N/A
Chf5	121366699	121366861	Chf5.103307	Trafd1(+18852),Hectd4(+146561)	N/A
Chf5	121367658	121367837	Chf5.103310	Trafd1(+17884),Hectd4(+147529)	N/A
Chf5	121686856	121687017	Chf5.103813	Atxn2(-24672),Brap(+26374)	N/A
Chf5	121704441	121704599	Chf5.103830	Atxn2(-7089),Brap(+43957)	N/A
Chf5	121709088	121705097	Chf5.103832	Atxn2(-6608),Brap(+44440)	N/A
Chf5	121711002	121711117	Chf5.103836	Atxn2(-549)	N/A
Chf5	121713294	121713450	Chf5.103842	Atxn2(+1763),Sh2b3(+123487)	N/A
Chf5	121805976	121806330	Chf5.103903	Sh2b3(+30706),Atxn2(+94544)	N/A
Chf5	121812491	121812600	Chf5.103927	Sh2b3(+24313),Atxn2(+100937)	N/A
Chf5	121813707	121813950	Chf5.103935	Sh2b3(-23030),Atxn2(+102220)	N/A
Chf5	121814229	121814425	Chf5.103944	Sh2b3(-22532),Atxn2(+102719)	N/A
Chf5	121833893	121834163	Chf5.103999	Sh2b3(+2831),Atxn2(+122419)	N/A
Chf5	121838694	121838830	Chf5.104013	Sh2b3(-1903)	N/A
Chf5	121858778	121858910	Chf5.104030	Pheta1(+9816),Cux2(+191007)	N/A
Chf5	121892305	121892481	Chf5.104175	Pheta1(+43369),Cux2(+157458)	N/A
Chf5	121895329	121895692	Chf5.104183	Pheta1(+46483),Cux2(+159340)	N/A
Chf5	121895628	121896029	Chf5.104187	Pheta1(+46801),Cux2(+153922)	N/A
Chf5	121903039	121903138	Chf5.104194	Pheta1(+54061),Cux2(+146762)	N/A
Chf5	121903595	121903703	Chf5.104198	Pheta1(+54621),Cux2(+146202)	N/A
Chf5	121930366	121930509	Chf5.104247	Pheta1(+81410),Cux2(+119413)	N/A
Chf5	121936642	121936762	Chf5.104255	Pheta1(+87669),Cux2(+113154)	N/A
Chf5	121938640	121938792	Chf5.104259	Pheta1(+89688),Cux2(+111131)	N/A
Chf5	121947197	121947317	Chf5.104267	Pheta1(+98229),Cux2(+102594)	N/A
Chf5	121948128	121948485	Chf5.104270	Pheta1(+99279),Cux2(+101544)	N/A
Chf5	121948562	121949237	Chf5.104281	Pheta1(+99872),Cux2(+100951)	N/A
Chf5	121953132	121953277	Chf5.104281	Cux2(+86646),Pheta1(+104177)	N/A
Chf5	121953396	121953684	Chf5.104287	Cux2(+96121),Pheta1(+104702)	N/A
Chf5	121955611	121955890	Chf5.104292	Cux2(+94100),Pheta1(+106723)	N/A
Chf5	121957492	121957640	Chf5.104297	Cux2(+92285),Pheta1(+108538)	N/A
Chf5	121958438	121958671	Chf5.104300	Cux2(+91296),Pheta1(+109527)	N/A
Chf5	121965573	121965685	Chf5.104308	Cux2(+84222),Pheta1(+116601)	N/A
Chf5	121965822	121965976	Chf5.104309	Cux2(+83952),Pheta1(+116871)	N/A
Chf5	121966965	121967213	Chf5.104319	Cux2(+82752),Pheta1(+118073)	N/A
Chf5	121972802	121973136	Chf5.104318	Cux2(+76882),Pheta1(+123941)	N/A
Chf5	121973620	121973951	Chf5.104323	Cux2(+76065),Pheta1(+124758)	N/A
Chf5	121981767	121982242	Chf5.104333	Cux2(+67846),Pheta1(+132977)	N/A
Chf5	121982687	121982806	Chf5.104342	Cux2(+67104),Pheta1(+133719)	N/A
Chf5	121983296	121983336	Chf5.104350	Cux2(+66580),Pheta1(+14424)	N/A
Chf5	122017253	122017422	Chf5.104377	Cux2(-32513),Pheta1(+168310)	N/A
Chf5	122017538	122017700	Chf5.104384	Cux2(+32232),Pheta1(+168591)	N/A
Chf5	122019448	122019564	Chf5.104389	Cux2(+30345),Pheta1(+170478)	N/A
Chf5	122046355	122046604	Chf5.104426	Cux2(+3371),Pheta1(+197452)	N/A
Chf5	122047329	122047500	Chf5.104428	Cux2(+2436),Pheta1(+198387)	N/A
Chf5	122048340	122048641	Chf5.104437	Cux2(+1360),Pheta1(+199463)	N/A
Chf5	122048694	122048834	Chf5.104440	Cux2(+1087),Pheta1(+199738)	N/A
Chf5	122051410	122051646	Chf5.104449	Cux2(-1677)	N/A
Chf5	122052882	122053347	Chf5.104453	Cux2(-3264)	N/A
Chf5	122053587	122053785	Chf5.104460	Cux2(-3825)	N/A
Chf5	122073452	122073683	Chf5.104477	Myb(-27415),Cux2(-23717)	N/A
Chf5	122130496	122130665	Chf5.104565	Ccd83(-7461),Myb(-29598)	N/A
Chf5	122158242	122158342	Chf5.104579	Ppp1cc(+14)	N/A
Chf5	122233556	122233459	Chf5.104622	Hvcn1(+25274),Tctn1(+29052)	N/A
Chf5	122280494	122280640	Chf5.104717	Ptpc7(-3798)	N/A
Chf5	122302031	122302186	Chf5.104781	Ptpc7(-17743),Rad9b(+52125)	N/A
Chf5	122315075	122315271	Chf5.104779	Ptpc7(-30808),Rad9b(+39069)	N/A
Chf5	122320228	122320345	Chf5.104791	Rad9b(-33946),Ptpc7(-35922)	N/A
Chf5	122320930	122321047	Chf5.104795	Rad9b(+33244),Ptpc7(+36624)	N/A
Chf5	122322172	122322525	Chf5.104808	Rad9b(+31884),Ptpc7(+37984)	N/A
Chf5	122323600	122323612	Chf5.104814	Rad9b(+30677),Ptpc7(+39191)	N/A
Chf5	122354342	122354481	Chf5.104851	Rad9b(-179),Vps29(+43)	N/A
Chf5	122439752	122439894	Chf5.104959	Anapc7(+18130),Atp2a2(+62402)	N/A
Chf5	122453519	122453768	Chf5.104971	Anapc7(+31951),Atp2a2(+48581)	N/A
Chf5	122500222	122500469	Chf5.105070	Atp2a2(+1879),Anapc7(+78653)	N/A
Chf5	122510904	122511009	Chf5.105092	Atp2a2(-8732),Ilf1(+103561)	N/A
Chf5	122511612	122511779	Chf5.105097	Atp2a2(-9471),Ilf1(+102822)	N/A
Chf5	122514066	122514184	Chf5.105101	Atp2a2(-11900),Ilf1(+100393)	N/A
Chf5	122521227	122521332	Chf5.105112	Atp2a2(-19055),Ilf1(+93238)	N/A
Chf5	122524937	122525112	Chf5.105120	Atp2a2(-22800),Ilf1(+89493)	N/A
Chf5	122525774	122526001	Chf5.105126	Atp2a2(-23663),Ilf1(+88630)	N/A
Chf5	122527946	122528092	Chf5.105141	Atp2a2(-25794),Ilf1(+86499)	N/A
Chf5	122528121	122528328	Chf5.105143	Atp2a2(-26000),Ilf1(+86293)	N/A
Chf5	122542110	122542240	Chf5.105162	Atp2a2(-39950),Ilf1(+72343)	N/A
Chf5	122543089	122543289	Chf5.105167	Atp2a2(-40964),Ilf1(+71329)	N/A
Chf5	122549082	122549345	Chf5.105195	Atp2a2(-46989),Ilf1(+65304)	N/A
Chf5	122550748	122550849	Chf5.105201	Atp2a2(-48574),Ilf1(+63719)	N/A
Chf5	122577037	122577286	Chf5.105233	Atp2a2(-74937),Ilf1(+37356)	N/A
Chf5	122585518	122585815	Chf5.105245	Atp2a2(-83462),Ilf1(+128651)	N/A
Chf5	122610393	122610500	Chf5.105284	Atp2a2(-108222),Ilf1(+4071)	N/A

Chf5	122617778	122618127	Chf5.105293	<i>l#81(-3435)</i>	N/A
Chf5	122621383	122621560	Chf5.105303	<i>P2rx7(-22439),l#81(-6954)</i>	N/A
Chf5	122653167	122653321	Chf5.105324	<i>P2rx7(+9333),Gm10084(+44359)</i>	N/A
Chf5	122731169	122731388	Chf5.105443	<i>P2rx4(+23649),Camkk2(+48132)</i>	N/A
Chf5	122770374	122770481	Chf5.105522	<i>Camkk2(+8982),P2rx4(+62844)</i>	N/A
Chf5	122903544	122903654	Chf5.105728	<i>Rnf34(+53411),Kdm2b(+85500)</i>	N/A
Chf5	122918135	122918270	Chf5.105731	<i>Rnf34(+68015),Kdm2b(+70896)</i>	N/A
Chf5	122918326	122918476	Chf5.105735	<i>Rnf34(+68213),Kdm2b(+70698)</i>	N/A
Chf5	122918528	122918628	Chf5.105739	<i>Rnf34(+68389),Kdm2b(+70522)</i>	N/A
Chf5	122938141	122938347	Chf5.105777	<i>Kdm2b(+50855),Rnf34(+88056)</i>	N/A
Chf5	122950459	122950574	Chf5.105791	<i>Kdm2b(+38582),Rnf34(+100329)</i>	N/A
Chf5	122985559	122985838	Chf5.105823	<i>Kdm2b(+3400),Rnf34(+135511)</i>	N/A
Chf5	122987884	122987990	Chf5.105836	<i>Kdm2b(+1162),Rnf34(+137749)</i>	N/A
Chf5	122988360	122988954	Chf5.105843	<i>Kdm2b(+442)</i>	N/A
Chf5	122991368	122991642	Chf5.105862	<i>Kdm2b(+2406)</i>	N/A
Chf5	122994530	122994725	Chf5.105868	<i>Oral1(-20446),Kdm2b(-5529)</i>	N/A
Chf5	122994967	122995171	Chf5.105874	<i>Oral1(-20005),Kdm2b(-5970)</i>	N/A
Chf5	123008784	123008922	Chf5.105879	<i>Kdm2b(-19754),Oral1(-6221)</i>	N/A
Chf5	123017607	123017739	Chf5.105894	<i>Oral1(+2599),Morn3(+29343)</i>	N/A
Chf5	123018394	123018543	Chf5.105898	<i>Oral1(+3395),Morn3(+28547)</i>	N/A
Chf5	123139630	123139788	Chf5.106066	<i>Setd1b(-2494)</i>	N/A
Chf5	123139820	123140519	Chf5.106068	<i>Setd1b(-2023)</i>	N/A
Chf5	123140578	123140740	Chf5.106074	<i>Setd1b(-1534)</i>	N/A
Chf5	123140771	123141230	Chf5.106075	<i>Setd1b(-1192)</i>	N/A
Chf5	123141269	123141437	Chf5.106076	<i>Setd1b(-840)</i>	N/A
Chf5	123161705	1231617410	Chf5.106241	<i>Hpd1(+15467),Setd1b(+25065)</i>	N/A
Chf5	123167931	123168043	Chf5.106244	<i>Hpd1(+14738),Setd1b(+25794)</i>	N/A
Chf5	123260795	123260924	Chf5.106330	<i>Bcl7a(-83588),Wdr66(+8758)</i>	N/A
Chf5	123301856	123301988	Chf5.106436	<i>Bcl7a(-42526),Wdr66(+49820)</i>	N/A
Chf5	123346033	123346241	Chf5.106473	<i>Mixip(-48663),Bcl7a(+1689)</i>	N/A
Chf5	123382040	123382214	Chf5.106538	<i>Mixip(-12673),Bcl7a(+37679)</i>	N/A
Chf5	123524521	123524660	Chf5.106776	<i>Diablo(+415)</i>	N/A
Chf5	123529162	123529291	Chf5.106788	<i>Diablo(-5051),Vps33a(+43788)</i>	N/A
Chf5	123586558	123586782	Chf5.106911	<i>Vps33a(-13655),Clp1(+97948)</i>	N/A
Chf5	123613362	123613462	Chf5.106941	<i>Vps33a(-40397),Clp1(+71206)</i>	N/A
Chf5	123613896	123614089	Chf5.106958	<i>Vps33a(-40978),Clp1(+70625)</i>	N/A
Chf5	123614415	123614594	Chf5.106970	<i>Vps33a(-41490),Clp1(+70115)</i>	N/A
Chf5	123614949	123615167	Chf5.107000	<i>Vps33a(-42043),Clp1(+69560)</i>	N/A
Chf5	18137726	18137831	Chf5.10706	<i>Gnat3(+175158),Gnal1(+222634)</i>	N/A
Chf5	123671148	123671299	Chf5.107141	<i>Vps33a(-98209),Clp1(+13394)</i>	N/A
Chf5	123749083	123749184	Chf5.107275	<i>Kntc1(-592),Rsrc2(+280)</i>	N/A
Chf5	18209423	18209678	Chf5.10728	<i>Gnal1(+150912),Gnat3(+246880)</i>	N/A
Chf5	123749366	123749528	Chf5.107280	<i>Kntc1(-279),Rsrc2(-33)</i>	N/A
Chf5	123880042	123880141	Chf5.107560	<i>Hcar1(-72)</i>	N/A
Chf5	123969167	123969331	Chf5.107641	<i>Hip1r(-4378)</i>	N/A
Chf5	124028757	124028863	Chf5.107851	<i>Vps37b(+3450),Hip1r(+55182)</i>	N/A
Chf5	124030594	124030788	Chf5.107853	<i>Vps37b(+1569),Hip1r(+57063)</i>	N/A
Chf5	124030820	124030987	Chf5.107855	<i>Vps37b(+1356),Hip1r(+57278)</i>	N/A
Chf5	18358934	18359083	Chf5.10791	<i>Gnal1(+1404),Gnat3(-396388)</i>	N/A
Chf5	124120735	124120873	Chf5.108029	<i>Ar6ip4(+4705),Pitpmn2(+128956)</i>	N/A
Chf5	124126344	124126547	Chf5.108093	<i>Ar6ip4(+10347),Pitpmn2(+123314)</i>	N/A
Chf5	124133552	124137334	Chf5.108187	<i>Ar6ip4(+57544),Pitpmn2(+76117)</i>	N/A
Chf5	12418049	124186188	Chf5.108202	<i>Pitpmn2(+63641),Ar6ip4(+70020)</i>	N/A
Chf5	124187229	124187384	Chf5.108203	<i>Pitpmn2(+62453),Ar6ip4(+71208)</i>	N/A
Chf5	124192796	124192943	Chf5.108213	<i>Pitpmn2(+56890),Ar6ip4(+76771)</i>	N/A
Chf5	124193195	124193444	Chf5.108216	<i>Pitpmn2(+56440),Ar6ip4(+77221)</i>	N/A
Chf5	124206665	124206940	Chf5.108220	<i>Pitpmn2(+42957),Ar6ip4(+90704)</i>	N/A
Chf5	124221367	124221606	Chf5.108244	<i>Pitpmn2(+28273),Ar6ip4(+105388)</i>	N/A
Chf5	124241708	124241903	Chf5.108255	<i>Pitpmn2(+7954),Ar6ip4(+125707)</i>	N/A
Chf5	124325332	124325179	Chf5.108342	<i>2810006k23rk(-2992),Mphosph9(+2966)</i>	N/A
Chf5	124334316	124334621	Chf5.108355	<i>2810006k23rk(+6371),Cdk2ap1(+20202)</i>	N/A
Chf5	124364287	124364431	Chf5.108405	<i>Cdk2ap1(-9688),Sbno1(+61555)</i>	N/A
Chf5	124424366	124424487	Chf5.108502	<i>Cdk2ap1(-69756),Sbno1(+1487)</i>	N/A
Chf5	124424616	124424722	Chf5.108503	<i>Cdk2ap1(-69998),Sbno1(+1245)</i>	N/A
Chf5	124426080	124426200	Chf5.108507	<i>Sbno1(-226)</i>	N/A
Chf5	124439660	124440019	Chf5.108514	<i>Knt5a(-90)</i>	N/A
Chf5	124496173	124496295	Chf5.108651	<i>Srnp35(+12776),Rlp1(+35157)</i>	N/A
Chf5	124623000	124623120	Chf5.108911	<i>Atp6v0a2(-6007),Tctn2(+24311)</i>	N/A
Chf5	124625677	124625809	Chf5.108922	<i>Atp6v0a2(-3324)</i>	N/A
Chf5	124923253	124923410	Chf5.108944	<i>Rflna(-80115),Zfp664(+90641)</i>	N/A
Chf5	124951021	124951148	Chf5.108947	<i>Rflna(-62362),Zfp664(+88394)</i>	N/A
Chf5	125017167	125017283	Chf5.108960	<i>Rflna(+13778),Ncor2(+161828)</i>	N/A
Chf5	125017378	125017500	Chf5.108963	<i>Rflna(+13992),Ncor2(+161614)</i>	N/A
Chf5	125140206	125140381	Chf5.110141	<i>Ncor2(+38759),Rflna(+136847)</i>	N/A
Chf5	125141235	125141424	Chf5.110146	<i>Ncor2(+37723),Rflna(+137883)</i>	N/A
Chf5	125148583	125148583	Chf5.110147	<i>Ncor2(+30542),Rflna(+145694)</i>	N/A
Chf5	125151047	125151159	Chf5.110149	<i>Ncor2(+27950),Rflna(+147656)</i>	N/A
Chf5	19228125	19228247	Chf5.11015	<i>Mag2(+1140)</i>	N/A
Chf5	125176765	125176909	Chf5.110151	<i>Ncor2(+2216),Rflna(+173390)</i>	N/A
Chf5	125555786	125555986	Chf5.110541	<i>Tmem132b(+23458),Gm4868(+292864)</i>	N/A
Chf5	125577184	125577284	Chf5.110567	<i>Tmem132b(+44816),Gm4868(+271506)</i>	N/A
Chf5	125607411	125607411	Chf5.110580	<i>Tmem132b(+74937),Gm4868(+241385)</i>	N/A
Chf5	126877638	126877830	Chf5.110967	<i>Tmem132c(-364074)</i>	N/A
Chf5	127239849	127239990	Chf5.111038	<i>Tmem132c(-1888)</i>	N/A
Chf5	127290836	127290941	Chf5.111061	<i>Tmem132c(+49081),Slc15a4(+326527)</i>	N/A
Chf5	127305145	127305314	Chf5.111086	<i>Tmem132c(+63422),Slc15a4(+312186)</i>	N/A
Chf5	127324070	127324373	Chf5.111075	<i>Tmem132c(+82414),Slc15a4(+293194)</i>	N/A
Chf5	127332121	127332244	Chf5.111084	<i>Tmem132c(+90375),Slc15a4(+285233)</i>	N/A
Chf5	127370461	127370572	Chf5.111148	<i>Tmem132c(+128709),Slc15a4(+246899)</i>	N/A
Chf5	127484645	127484867	Chf5.111189	<i>Slc15a4(+132660),Tmem132c(+242948)</i>	N/A
Chf5	127497290	127497441	Chf5.111201	<i>Slc15a4(+120050),Tmem132c(+255558)</i>	N/A
Chf5	127499518	127499666	Chf5.111207	<i>Slc15a4(+17824),Tmem132c(+257784)</i>	N/A
Chf5	4023916	4024174	Chf5.1115	<i>Cyp51(+80701),Akap9(+95771)</i>	N/A
Chf5	128596822	128596924	Chf5.111684	<i>Fzd10(-4233)</i>	N/A
Chf5	128596957	128597165	Chf5.111686	<i>Fzd10(-4045)</i>	N/A
Chf5	128597746	128597863	Chf5.111687	<i>Fzd10(-3301)</i>	N/A
Chf5	128598244	128598715	Chf5.111693	<i>Fzd10(-2626)</i>	N/A
Chf5	128603896	128603986	Chf5.111727	<i>Piw1(-132410),Fzd10(+2730)</i>	N/A
Chf5	128696886	128697047	Chf5.111762	<i>Piw1(-39279),Fzd10(+95861)</i>	N/A
Chf5	128697115	128697223	Chf5.111764	<i>Piw1(-39077),Fzd10(+96063)</i>	N/A
Chf5	128703881	128704105	Chf5.111770	<i>Piw1(-32253),Fzd10(+102887)</i>	N/A
Chf5	128704148	128704313	Chf5.111774	<i>Piw1(-32015),Fzd10(+103125)</i>	N/A
Chf5	128782399	128782553	Chf5.111979	<i>Piw1(+46230),Rimp2(+170886)</i>	N/A
Chf5	129502523	129502626	Chf5.112192	<i>Mmp17(-61594),Sfswap(+1344)</i>	N/A
Chf5	129503354	129503552	Chf5.112201	<i>Mmp17(-80666),Sfswap(+2272)</i>	N/A
Chf5	129789050	129789190	Chf5.112463	<i>PspH(-1916),Cct6a(+1681)</i>	N/A
Chf5	129844967	129845078	Chf5.112481	<i>Sumf2(-1967)</i>	N/A
Chf5	130076548	130076726	Chf5.112806	<i>Tps1(-2733)</i>	N/A
Chf5	130243541	130243665	Chf5.112952	<i>Sdsb(+11927),Tmem248(+21268)</i>	N/A
Chf5	130394554	130395010	Chf5.113053	<i>A330070k13rk(-201)</i>	N/A
Chf5	130952596	130952709	Chf5.113334	<i>A330070k13rk(-568022),Galnt17(+355265)</i>	N/A
Chf5	131083298	131083465	Chf5.113408	<i>A330070k13rk(-698751),Galnt17(+224536)</i>	N/A
Chf5	131114090	131114222	Chf5.113434	<i>A330070k13rk(-729525),Galnt17(+193762)</i>	N/A
Chf5	131300498	131300645	Chf5.113548	<i>A330070k13rk(-915941),Galnt17(+7348)</i>	N/A
Chf5	131417789	131417981	Chf5.113600	<i>Galnt17(-109957),Aut2(+198730)</i>	N/A
Chf5	131467425	131467594	Chf5.113715	<i>Galnt17(-159592),Aut2(+149095)</i>	N/A
Chf5	131512760	131513075	Chf5.113766	<i>Galnt17(-205000),Aut2(+103687)</i>	N/A
Chf5	131517804	131518085	Chf5.113774	<i>Galnt17(-210027),Aut2(+98660)</i>	N/A
Chf5	131531044	131531185	Chf5.113788	<i>Galnt17(-223197),Aut2(+85490)</i>	N/A
Chf5	131531849	131532222	Chf5.113796	<i>Galnt17(-224118),Aut2(+84569)</i>	N/A
Chf5	131534535	131534635	Chf5.113816	<i>Galnt17(-226667),Aut2(+82020)</i>	N/A
Chf5	131552626	131553041	Chf5.113843	<i>Galnt17(-244916),Aut2(+63771)</i>	N/A
Chf5	131553095	131553332	Chf5.113852	<i>Galnt17(-245296),Aut2(+63391)</i>	N/A
Chf5	131557975	131558096	Chf5.113857	<i>Galnt17(-250118),Aut2(+58569)</i>	N/A
Chf5	131558518	131558712	Chf5.113864	<i>Galnt17(-250697),Aut2(+57990)</i>	N/A
Chf5	131568768	131569002	Chf5.113888	<i>Galnt17(-260997),Aut2(+47890)</i>	N/A
Chf5	131573956	131574060	Chf5.113896	<i>Galnt17(-266900),Aut2(+42597)</i>	N/A
Chf5	131574780	131575100	Chf5.113905	<i>Galnt17(-267022),Aut2(+41665)</i>	N/A
Chf5	131575170	131575305	Chf5.113906	<i>Galnt17(-267320),Aut2(+41367)</i>	N/A
Chf5	131578768	131578899	Chf5.113913	<i>Galnt17(-270916),Aut2(+37771)</i>	N/A
Chf5	131579212	131579321	Chf5.113920	<i>Galnt17(-271349),Aut2(+37338)</i>	N/A
Chf5	131596965	131596960	Chf5.113950	<i>Galnt17(-288895),Aut2(+19739)</i>	N/A
Chf5	131597147	131597277	Chf5.113954	<i>Galnt17(-289294),Aut2(+19393)</i>	N/A
Chf5	131600389	131600618	Chf5.113961	<i>Galnt17(-292586),Aut2(+16101)</i>	N/A
Chf5	131600889	131601007	Chf5.113966	<i>Galnt17(-293030),Aut2(+15657)</i>	N/A
Chf5	131602096	131602241	Chf5.113970	<i>Galnt17(-294251),Aut2(+14436)</i>	N/A
Chf5	131624450	131624628	Chf5.113997	<i>Aut2(-7394),ENSMUSG0000008133(+917284)</i>	N/A
Chf5	131630479	131630686	Chf5.114001	<i>Aut2(-13978),ENSMUSG0000008133(+911240)</i>	N/A

Ch5	131630730	131631198	Ch5	114005	<i>Auts2(-14359),ENSMUSG000000098133(+910859)</i>	N/A
Ch5	131631555	131631832	Ch5	114008	<i>Auts2(-15089),ENSMUSG000000098133(+910129)</i>	N/A
Ch5	131632000	131632373	Ch5	114011	<i>Auts2(-15582),ENSMUSG000000098133(+909636)</i>	N/A
Ch5	131642824	131643381	Ch5	114027	<i>Auts2(-26498),ENSMUSG000000098133(+898720)</i>	N/A
Ch5	131643410	131643621	Ch5	114032	<i>Auts2(-26911),ENSMUSG000000098133(+898307)</i>	N/A
Ch5	131645564	131645984	Ch5	114042	<i>Auts2(-29169),ENSMUSG000000098133(+896049)</i>	N/A
Ch5	131650867	131651066	Ch5	114055	<i>Auts2(-34362),ENSMUSG000000098133(+890856)</i>	N/A
Ch5	131658854	131659129	Ch5	114078	<i>Auts2(-42387),ENSMUSG000000098133(+882831)</i>	N/A
Ch5	131681059	131681184	Ch5	114108	<i>Auts2(-64507),ENSMUSG000000098133(+860711)</i>	N/A
Ch5	131696873	131697056	Ch5	114131	<i>Auts2(-80360),ENSMUSG000000098133(+844589)</i>	N/A
Ch5	131697263	131697362	Ch5	114133	<i>Auts2(-80708),ENSMUSG000000098133(+844510)</i>	N/A
Ch5	131697597	131697748	Ch5	114136	<i>Auts2(-81068),ENSMUSG000000098133(+844150)</i>	N/A
Ch5	131702977	131703173	Ch5	114144	<i>Auts2(-86470),ENSMUSG000000098133(+838748)</i>	N/A
Ch5	131707625	131707903	Ch5	114150	<i>Auts2(-91159),ENSMUSG000000098133(+834059)</i>	N/A
Ch5	131710918	131711333	Ch5	114156	<i>Auts2(-94521),ENSMUSG000000098133(+830697)</i>	N/A
Ch5	131723207	131723311	Ch5	114180	<i>Auts2(-106654),ENSMUSG000000098133(+818564)</i>	N/A
Ch5	131733504	131733656	Ch5	114197	<i>Auts2(-116975),ENSMUSG000000098133(+808243)</i>	N/A
Ch5	131735114	131735521	Ch5	114200	<i>Auts2(-118713),ENSMUSG000000098133(+806505)</i>	N/A
Ch5	131735587	131735839	Ch5	114204	<i>Auts2(-119108),ENSMUSG000000098133(+806110)</i>	N/A
Ch5	131737480	131737973	Ch5	114216	<i>Auts2(-121122),ENSMUSG000000098133(+804096)</i>	N/A
Ch5	131749328	131749624	Ch5	114219	<i>Auts2(-132821),ENSMUSG000000098133(+792397)</i>	N/A
Ch5	131759494	131759850	Ch5	114222	<i>Auts2(-143067),ENSMUSG000000098133(+782151)</i>	N/A
Ch5	131775236	131775406	Ch5	114252	<i>Auts2(-158716),ENSMUSG000000098133(+766502)</i>	N/A
Ch5	131775454	131775636	Ch5	114254	<i>Auts2(-158940),ENSMUSG000000098133(+766278)</i>	N/A
Ch5	131775723	131775946	Ch5	114256	<i>Auts2(-159229),ENSMUSG000000098133(+765989)</i>	N/A
Ch5	131788176	131788334	Ch5	114285	<i>Auts2(-171650),ENSMUSG000000098133(+753568)</i>	N/A
Ch5	131794337	131795160	Ch5	114296	<i>Auts2(-178144),ENSMUSG000000098133(+747074)</i>	N/A
Ch5	131802010	131802460	Ch5	114303	<i>Auts2(-185630),ENSMUSG000000098133(+739588)</i>	N/A
Ch5	131802504	131802795	Ch5	114305	<i>Auts2(-186045),ENSMUSG000000098133(+739173)</i>	N/A
Ch5	131803393	131804130	Ch5	114308	<i>Auts2(-187157),ENSMUSG000000098133(+738061)</i>	N/A
Ch5	131805363	131805506	Ch5	114313	<i>Auts2(-188831),ENSMUSG000000098133(+736387)</i>	N/A
Ch5	131812545	131812652	Ch5	114322	<i>Auts2(-195944),ENSMUSG000000098133(+729224)</i>	N/A
Ch5	131813411	131813512	Ch5	114324	<i>Auts2(-196857),ENSMUSG000000098133(+728361)</i>	N/A
Ch5	131824452	131824799	Ch5	114340	<i>Auts2(-208021),ENSMUSG000000098133(+717197)</i>	N/A
Ch5	131829359	131829662	Ch5	114351	<i>Auts2(-212906),ENSMUSG000000098133(+712312)</i>	N/A
Ch5	131833135	131833347	Ch5	114360	<i>Auts2(-216636),ENSMUSG000000098133(+708582)</i>	N/A
Ch5	131844371	131844501	Ch5	114381	<i>Auts2(-227831),ENSMUSG000000098133(+697387)</i>	N/A
Ch5	131849833	131850083	Ch5	114387	<i>Auts2(-233353),ENSMUSG000000098133(+691865)</i>	N/A
Ch5	131851029	131851317	Ch5	114391	<i>Auts2(-234568),ENSMUSG000000098133(+690650)</i>	N/A
Ch5	131851404	131852321	Ch5	114393	<i>Auts2(-235258),ENSMUSG000000098133(+689960)</i>	N/A
Ch5	131852464	131852581	Ch5	114401	<i>Auts2(-235918),ENSMUSG000000098133(+689300)</i>	N/A
Ch5	131896767	131896929	Ch5	114484	<i>Auts2(-260243),ENSMUSG000000098133(+644975)</i>	N/A
Ch5	131897654	131897988	Ch5	114491	<i>Auts2(-281215),ENSMUSG000000098133(+644030)</i>	N/A
Ch5	131913595	131913844	Ch5	114524	<i>Auts2(-297115),ENSMUSG000000098133(+628103)</i>	N/A
Ch5	131944994	131945229	Ch5	114569	<i>Auts2(-328507),ENSMUSG000000098133(+596711)</i>	N/A
Ch5	131967116	131967304	Ch5	114605	<i>Auts2(-350605),ENSMUSG000000098133(+574613)</i>	N/A
Ch5	131967602	131967729	Ch5	114609	<i>Auts2(-351061),ENSMUSG000000098133(+574157)</i>	N/A
Ch5	131975555	131975254	Ch5	114626	<i>Auts2(-358550),ENSMUSG000000098133(+566668)</i>	N/A
Ch5	131992796	131993011	Ch5	114652	<i>Auts2(-376294),ENSMUSG000000098133(+548924)</i>	N/A
Ch5	131999093	131999660	Ch5	114668	<i>Auts2(-382772),ENSMUSG000000098133(+542446)</i>	N/A
Ch5	132028178	132028433	Ch5	114698	<i>Auts2(-411701),ENSMUSG000000098133(+513517)</i>	N/A
Ch5	132029740	132029857	Ch5	114708	<i>Auts2(-413194),ENSMUSG000000098133(+512024)</i>	N/A
Ch5	132030918	132031126	Ch5	114713	<i>Auts2(-414471),ENSMUSG000000098133(+510801)</i>	N/A
Ch5	132031501	132031638	Ch5	114717	<i>Auts2(-414965),ENSMUSG000000098133(+510255)</i>	N/A
Ch5	132052813	132052921	Ch5	114738	<i>Auts2(-436262),ENSMUSG000000098133(+488956)</i>	N/A
Ch5	132052954	132053145	Ch5	114739	<i>Auts2(-436445),ENSMUSG000000098133(+488773)</i>	N/A
Ch5	132060802	132061278	Ch5	114745	<i>Auts2(-444435),ENSMUSG000000098133(+480783)</i>	N/A
Ch5	132072224	132072821	Ch5	114757	<i>Auts2(-459918),ENSMUSG000000098133(+469300)</i>	N/A
Ch5	132073878	132074111	Ch5	114766	<i>Auts2(-457440),ENSMUSG000000098133(+467778)</i>	N/A
Ch5	132074281	132074708	Ch5	114769	<i>Auts2(-457889),ENSMUSG000000098133(+467329)</i>	N/A
Ch5	132074943	132075557	Ch5	114774	<i>Auts2(-458645),ENSMUSG000000098133(+466573)</i>	N/A
Ch5	132083952	132084340	Ch5	114780	<i>Auts2(-467541),ENSMUSG000000098133(+457677)</i>	N/A
Ch5	132089629	132090052	Ch5	114798	<i>Auts2(-473236),ENSMUSG000000098133(+451982)</i>	N/A
Ch5	132098440	132098785	Ch5	114808	<i>Auts2(-482008),ENSMUSG000000098133(+443210)</i>	N/A
Ch5	132108497	132108571	Ch5	114823	<i>Auts2(-492019),ENSMUSG000000098133(+433199)</i>	N/A
Ch5	132113558	132113758	Ch5	114829	<i>Auts2(-497053),ENSMUSG000000098133(+428165)</i>	N/A
Ch5	132130378	132130671	Ch5	114842	<i>Auts2(-513920),ENSMUSG000000098133(+411298)</i>	N/A
Ch5	19907753	19908043	Ch5	11485	<i>Mag2(-631992),Mag2(+680852)</i>	N/A
Ch5	132161427	132161737	Ch5	114871	<i>Auts2(-544977),ENSMUSG000000098133(+380241)</i>	N/A
Ch5	132182349	132182710	Ch5	114885	<i>Auts2(-569325),ENSMUSG000000098133(+359293)</i>	N/A
Ch5	132183297	132183428	Ch5	114896	<i>Auts2(-566759),ENSMUSG000000098133(+358460)</i>	N/A
Ch5	19908118	19908394	Ch5	11490	<i>Mag2(-631634),Mag2(+681210)</i>	N/A
Ch5	132186302	132186552	Ch5	114904	<i>Auts2(-569822),ENSMUSG000000098133(+355396)</i>	N/A
Ch5	132195250	132195361	Ch5	114912	<i>Auts2(-578701),ENSMUSG000000098133(+346517)</i>	N/A
Ch5	132201378	132201489	Ch5	114919	<i>Auts2(-584629),ENSMUSG000000098133(+340389)</i>	N/A
Ch5	132209789	132210000	Ch5	114928	<i>Auts2(-593390),ENSMUSG000000098133(+331928)</i>	N/A
Ch5	19908696	19908934	Ch5	11499	<i>Mag2(-631080),Mag2(+681764)</i>	N/A
Ch5	132265124	132265427	Ch5	114992	<i>Auts2(-648671),ENSMUSG000000098133(+276547)</i>	N/A
Ch5	132290740	132290902	Ch5	115025	<i>Auts2(-674216),ENSMUSG000000098133(+251002)</i>	N/A
Ch5	132291012	132291256	Ch5	115029	<i>Auts2(-674529),ENSMUSG000000098133(+250689)</i>	N/A
Ch5	19909103	19909309	Ch5	11503	<i>Mag2(-630694),Mag2(+682160)</i>	N/A
Ch5	132291291	132291438	Ch5	115033	<i>Auts2(-674760),ENSMUSG000000098133(+250458)</i>	N/A
Ch5	132314380	132314571	Ch5	115068	<i>Auts2(-697871),ENSMUSG000000098133(+227347)</i>	N/A
Ch5	132335737	132335869	Ch5	115095	<i>Auts2(-719198),ENSMUSG000000098133(+206020)</i>	N/A
Ch5	132336578	132336715	Ch5	115101	<i>Auts2(-720042),ENSMUSG000000098133(+205176)</i>	N/A
Ch5	132368980	132369054	Ch5	115133	<i>Auts2(-732367),ENSMUSG000000098133(+172851)</i>	N/A
Ch5	132373201	132373379	Ch5	115139	<i>Auts2(-756855),ENSMUSG000000098133(+168533)</i>	N/A
Ch5	132397465	132397829	Ch5	115175	<i>Auts2(-781042),ENSMUSG000000098133(+144176)</i>	N/A
Ch5	132486867	132486967	Ch5	115311	<i>Auts2(-870312),ENSMUSG000000098133(+54906)</i>	N/A
Ch5	132487009	132487109	Ch5	115312	<i>Auts2(-870454),ENSMUSG000000098133(+54764)</i>	N/A
Ch5	132489857	132490114	Ch5	115314	<i>Auts2(-873381),ENSMUSG000000098133(+51837)</i>	N/A
Ch5	132491873	132492014	Ch5	115322	<i>Auts2(-875339),ENSMUSG000000098133(+49879)</i>	N/A
Ch5	132509417	132509657	Ch5	115352	<i>Auts2(-892932),ENSMUSG000000098133(+22286)</i>	N/A
Ch5	132521442	132521550	Ch5	115384	<i>Auts2(-904891),ENSMUSG000000098133(+20327)</i>	N/A
Ch5	132521893	132522039	Ch5	115385	<i>Auts2(-905361),ENSMUSG000000098133(+19857)</i>	N/A
Ch5	132600852	132600882	Ch5	115525	<i>ENSMUSG000000098133(-59094)</i>	N/A
Ch5	132652206	132652399	Ch5	115572	<i>ENSMUSG000000098133(-110480)</i>	N/A
Ch5	132667252	132667418	Ch5	115585	<i>ENSMUSG000000098133(-125512)</i>	N/A
Ch5	132667475	132667661	Ch5	115589	<i>ENSMUSG000000098133(-125745)</i>	N/A
Ch5	132667765	132667871	Ch5	115592	<i>ENSMUSG000000098133(-125995)</i>	N/A
Ch5	132673606	132673829	Ch5	115603	<i>ENSMUSG000000098133(-131895)</i>	N/A
Ch5	132693251	132693451	Ch5	115609	<i>ENSMUSG000000098133(-151528)</i>	N/A
Ch5	132710854	132711110	Ch5	115628	<i>ENSMUSG000000098133(-169159)</i>	N/A
Ch5	132716566	132716678	Ch5	115633	<i>ENSMUSG000000098133(-174799)</i>	N/A
Ch5	132728733	132728931	Ch5	115647	<i>ENSMUSG000000098133(-187099)</i>	N/A
Ch5	132856298	132856434	Ch5	115744	<i>ENSMUSG000000098133(-314543)</i>	N/A
Ch5	132973933	132974078	Ch5	115868	<i>ENSMUSG000000098133(-432183)</i>	N/A
Ch5	133107153	133107379	Ch5	115974	<i>Castor2(-992445),ENSMUSG000000098133(-565443)</i>	N/A
Ch5	133167070	133167274	Ch5	116039	<i>Castor2(-932469),ENSMUSG000000098133(-626399)</i>	N/A
Ch5	133311279	133311391	Ch5	116130	<i>Castor2(-788376),ENSMUSG000000098133(-769513)</i>	N/A
Ch5	133311421	133311548	Ch5	116134	<i>Castor2(-788226),ENSMUSG000000098133(-769662)</i>	N/A
Ch5	133432993	133433148	Ch5	116184	<i>ENSMUSG000000098133(-891248),Castor2(-666640)</i>	N/A
Ch5	133482153	133482289	Ch5	116213	<i>ENSMUSG000000098133(-940398),Castor2(-617490)</i>	N/A
Ch5	133484241	133484260	Ch5	116216	<i>ENSMUSG000000098133(-940668),Castor2(-617220)</i>	N/A
Ch5	133487846	133488233	Ch5	116219	<i>ENSMUSG000000098133(-946217),Castor2(-611671)</i>	N/A
Ch5	133771626	133771749	Ch5	116343	<i>Castor2(-428023)</i>	N/A
Ch5	133746676	133746823	Ch5	116407	<i>Castor2(-352961)</i>	N/A
Ch5	133748708	133748922	Ch5	116415	<i>Castor2(-350896)</i>	N/A
Ch5	133806998	133807297	Ch5	116459	<i>Castor2(-292563)</i>	N/A
Ch5	133821259	133821465				

Chf5	134874412	134874652	Chf5.117539	<i>Ein(-127291),Tmem270(+32201)</i>	N/A
Chf5	134878955	134879119	Chf5.117546	<i>Ein(-131796),Tmem270(+27696)</i>	N/A
Chf5	134887953	134888067	Chf5.117553	<i>Ein(-140769),Tmem270(+18723)</i>	N/A
Chf5	134890790	134890976	Chf5.117562	<i>Ein(-143642),Tmem270(+15850)</i>	N/A
Chf5	134897671	134897845	Chf5.117581	<i>Ein(-150517),Tmem270(+6975)</i>	N/A
Chf5	135001353	135001491	Chf5.117709	<i>Abhd11(-7877),Cldn3(+15208)</i>	N/A
Chf5	135012426	135012553	Chf5.117749	<i>Stx1a(-10992),Abhd11(+3191)</i>	N/A
Chf5	135013074	135013184	Chf5.117755	<i>Stx1a(-10353),Abhd11(+3830)</i>	N/A
Chf5	135040179	135040307	Chf5.117782	<i>Dnagc30(-23963),Stx1a(+16781)</i>	N/A
Chf5	135050967	135051101	Chf5.117818	<i>Dnagc30(-13777),Stx1a(+27547)</i>	N/A
Chf5	135076902	135077076	Chf5.117885	<i>Bud23(-12323),Vps37d(+1277)</i>	N/A
Chf5	135108043	135108181	Chf5.117892	<i>Tb2(-41545),Mixp1(+1210)</i>	N/A
Chf5	135180961	135181063	Chf5.118038	<i>Baz1b(-6252),Bcl7b(+12729)</i>	N/A
Chf5	135186857	135186980	Chf5.118044	<i>Baz1b(-345)</i>	N/A
Chf5	135187064	135187175	Chf5.118045	<i>Baz1b(-144)</i>	N/A
Chf5	135187219	135187359	Chf5.118050	<i>Baz1b(+25)</i>	N/A
Chf5	20295031	20295206	Chf5.11812	<i>Mag2(-244771)</i>	N/A
Chf5	135242753	135242945	Chf5.118140	<i>Fzd9(+8381),Baz1b(+55585)</i>	N/A
Chf5	135246030	135246130	Chf5.118165	<i>Fzd9(+5150),Baz1b(+58816)</i>	N/A
Chf5	135253857	135253983	Chf5.118203	<i>Fzd9(-2690)</i>	N/A
Chf5	135263447	135264488	Chf5.118210	<i>Fzd9(-13187),Fkbp6(+85574)</i>	N/A
Chf5	135269488	135269589	Chf5.118214	<i>Fzd9(-18309),Fkbp6(+80452)</i>	N/A
Chf5	135336414	135336564	Chf5.118223	<i>Fzd9(-85259),Fkbp6(+13502)</i>	N/A
Chf5	135442562	135442671	Chf5.118598	<i>Pom121(-48071),Hip1(+102505)</i>	N/A
Chf5	135460069	135460080	Chf5.118626	<i>Pom121(-66219),Hip1(+84357)</i>	N/A
Chf5	135465863	135466024	Chf5.118633	<i>Pom121(-71398),Hip1(+79178)</i>	N/A
Chf5	135525293	135525422	Chf5.118649	<i>Pom121(-130812),Hip1(+19784)</i>	N/A
Chf5	135533575	135533684	Chf5.118652	<i>Pom121(-139084),Hip1(+11492)</i>	N/A
Chf5	135544108	135544219	Chf5.118654	<i>Hip1(+958)</i>	N/A
Chf5	135725586	135725761	Chf5.118711	<i>Tmem120a(+18597),Por(+36638)</i>	N/A
Chf5	135807436	135807594	Chf5.118945	<i>Srrm3(-10591),Mdr2(+29035)</i>	N/A
Chf5	135822576	135822652	Chf5.118971	<i>Hspb1(-65205),Srrm3(+4608)</i>	N/A
Chf5	135874566	135874686	Chf5.119046	<i>Hspb1(-13293),Srrm3(+56520)</i>	N/A
Chf5	135910180	135910304	Chf5.119098	<i>Hspb1(+22323),Ywhag(+24357)</i>	N/A
Chf5	135932503	135932602	Chf5.119127	<i>Ywhag(+2016),Hspb1(+44664)</i>	N/A
Chf5	135933351	135933548	Chf5.119131	<i>Ywhag(+1149),Hspb1(+45531)</i>	N/A
Chf5	135945927	135946036	Chf5.119145	<i>Ywhag(-11383),Ssc4d(-28515)</i>	N/A
Chf5	135960226	135960425	Chf5.119152	<i>Ywhag(-25727),Ssc4d(+14171)</i>	N/A
Chf5	135972767	135972914	Chf5.119218	<i>Ywhag(-38242),Ssc4d(+1656)</i>	N/A
Chf5	135974375	135974555	Chf5.119222	<i>Ssc4d(+32)</i>	N/A
Chf5	135993646	135993775	Chf5.119273	<i>Dtx2(-1089)</i>	N/A
Chf5	135996223	135996459	Chf5.119279	<i>Lpk2b(-42155),Dtx2(+1541)</i>	N/A
Chf5	136005281	136005361	Chf5.119404	<i>Polr3(-13120),Rax4(+1395)</i>	N/A
Chf5	136254059	136254186	Chf5.119726	<i>Sh2b2(-9220),Cux1(+313364)</i>	N/A
Chf5	136268966	136269102	Chf5.119762	<i>Sh2b2(-24131),Cux1(+298453)</i>	N/A
Chf5	136273744	136273851	Chf5.119779	<i>Sh2b2(-28895),Cux1(+293689)</i>	N/A
Chf5	136289846	136290056	Chf5.119822	<i>Sh2b2(-45048),Cux1(+277538)</i>	N/A
Chf5	136292224	136293228	Chf5.119827	<i>Sh2b2(-48173),Cux1(+274411)</i>	N/A
Chf5	136303029	136303734	Chf5.119843	<i>Sh2b2(-58779),Cux1(+263805)</i>	N/A
Chf5	136353222	136353525	Chf5.119949	<i>Sh2b2(-108471),Cux1(+214113)</i>	N/A
Chf5	136357243	136357481	Chf5.119961	<i>Sh2b2(-112459),Cux1(+210125)</i>	N/A
Chf5	136403268	136403593	Chf5.120020	<i>Sh2b2(-158528),Cux1(+164056)</i>	N/A
Chf5	136403532	136403931	Chf5.120023	<i>Sh2b2(-158879),Cux1(+163705)</i>	N/A
Chf5	136416714	136416867	Chf5.120033	<i>Sh2b2(-171688),Cux1(+150696)</i>	N/A
Chf5	136458156	136458320	Chf5.120072	<i>Sh2b2(-213338),Cux1(+109249)</i>	N/A
Chf5	136466200	136466341	Chf5.120089	<i>Sh2b2(-221368),Cux1(+101216)</i>	N/A
Chf5	136467725	136467860	Chf5.120097	<i>Sh2b2(-222890),Cux1(+99694)</i>	N/A
Chf5	136487835	136487989	Chf5.120121	<i>Sh2b2(-243009),Cux1(+79575)</i>	N/A
Chf5	136502460	136502722	Chf5.120136	<i>Sh2b2(-257688),Cux1(+64699)</i>	N/A
Chf5	136523239	136523385	Chf5.120173	<i>Sh2b2(-278408),Cux1(+44173)</i>	N/A
Chf5	136529147	136529311	Chf5.120178	<i>Sh2b2(-284326),Cux1(+38258)</i>	N/A
Chf5	136568523	136568641	Chf5.120208	<i>Cux1(-1095)</i>	N/A
Chf5	136569505	136569505	Chf5.120214	<i>Cux1(-1941)</i>	N/A
Chf5	136581840	136581883	Chf5.120242	<i>Cux1(-14235),4731417b20nk(+33606)</i>	N/A
Chf5	136581882	136582010	Chf5.120245	<i>Cux1(-14459),4731417b20nk(+3333)</i>	N/A
Chf5	136582254	136582399	Chf5.120247	<i>Cux1(-14840),4731417b20nk(+33001)</i>	N/A
Chf5	136619967	136620104	Chf5.120293	<i>4731417b20nk(-4708)</i>	N/A
Chf5	136623120	136623247	Chf5.120296	<i>My110(-69962),4731417b20nk(-7856)</i>	N/A
Chf5	136623288	136623423	Chf5.120297	<i>My110(-69790),4731417b20nk(-8028)</i>	N/A
Chf5	136638003	136638166	Chf5.120307	<i>My110(-50051),4731417b20nk(-22757)</i>	N/A
Chf5	136642242	136642502	Chf5.120315	<i>My110(-50724),4731417b20nk(-27064)</i>	N/A
Chf5	136704298	136704568	Chf5.120374	<i>My110(+11287),Col26a1(+178688)</i>	N/A
Chf5	136714523	136714729	Chf5.120381	<i>My110(+21480),Col26a1(+168495)</i>	N/A
Chf5	136717502	136717607	Chf5.120393	<i>My110(+24409),Col26a1(+165566)</i>	N/A
Chf5	136792692	136792886	Chf5.120426	<i>Col26a1(+80332),My110(+99643)</i>	N/A
Chf5	136793064	136793553	Chf5.120429	<i>Col26a1(+83662),My110(+106313)</i>	N/A
Chf5	136810872	136811237	Chf5.120433	<i>Col26a1(+72066),My110(+117809)</i>	N/A
Chf5	136844081	136844229	Chf5.120449	<i>Col26a1(+38966),My110(+151009)</i>	N/A
Chf5	136874469	136874592	Chf5.120472	<i>Col26a1(+8590),My110(+181385)</i>	N/A
Chf5	136965321	136965449	Chf5.120520	<i>Cldn15(-1231)</i>	N/A
Chf5	136979705	136979835	Chf5.120578	<i>Vgfr(-32325),Znhit1(-9949)</i>	N/A
Chf5	136989552	136989661	Chf5.120607	<i>Vgfr(-31680),Znhit1(-10586)</i>	N/A
Chf5	137029297	137029401	Chf5.120752	<i>Vgfr(-946)</i>	N/A
Chf5	137029645	137029746	Chf5.120756	<i>Vgfr(-599)</i>	N/A
Chf5	137029945	137030054	Chf5.120759	<i>Vgfr(-295)</i>	N/A
Chf5	137030227	137030349	Chf5.120762	<i>Vgfr(-7)</i>	N/A
Chf5	137033256	137033418	Chf5.120790	<i>Vgfr(-3041),Ap1s1(+12799)</i>	N/A
Chf5	137036368	137036478	Chf5.120802	<i>Vgfr(+6128),Ap1s1(+9712)</i>	N/A
Chf5	137103021	137103211	Chf5.120921	<i>Serpine1(-30844),Trim56(+13091)</i>	N/A
Chf5	137287468	137287614	Chf5.120996	<i>Ache(-736)</i>	N/A
Chf5	137301256	137301667	Chf5.121135	<i>Srrt(+6212),Ufsp1(+6793)</i>	N/A
Chf5	137301748	137301950	Chf5.121136	<i>Srrt(+5825),Ufsp1(+7180)</i>	N/A
Chf5	137314184	137314290	Chf5.121193	<i>Trps6(+4)</i>	N/A
Chf5	137338388	137338507	Chf5.121287	<i>Slc12a9(-4851)</i>	N/A
Chf5	137338960	137339096	Chf5.121291	<i>Ephb4(-11143),Slc12a9(-5432)</i>	N/A
Chf5	137339260	137339454	Chf5.121292	<i>Ephb4(-10815),Slc12a9(-5760)</i>	N/A
Chf5	137348716	137348889	Chf5.121300	<i>Ephb4(-1369)</i>	N/A
Chf5	137352131	137352246	Chf5.121315	<i>Ephb4(-2017),Zan1(+14879)</i>	N/A
Chf5	137374040	137374158	Chf5.121440	<i>Ephb4(+23927),Zan1(+102965)</i>	N/A
Chf5	137482012	137482140	Chf5.121671	<i>Zan1(-5012),Epo(+3847)</i>	N/A
Chf5	137485956	137486115	Chf5.121693	<i>Epo(-113)</i>	N/A
Chf5	137493963	137494138	Chf5.121701	<i>Epo(-8128),Pop7(+8374)</i>	N/A
Chf5	137526152	137526421	Chf5.121796	<i>Gnb2(+7223),Giyf1(+7407)</i>	N/A
Chf5	137526506	137526646	Chf5.121801	<i>Gnb2(+6934),Giyf1(+7696)</i>	N/A
Chf5	137527547	137527738	Chf5.121808	<i>Gnb2(+5867),Giyf1(+8763)</i>	N/A
Chf5	137531357	137531486	Chf5.121850	<i>Gnb2(+2088),Giyf1(+12542)</i>	N/A
Chf5	137532935	137533037	Chf5.121858	<i>Gnb2(+524)</i>	N/A
Chf5	137533088	137533374	Chf5.121859	<i>Gnb2(+279)</i>	N/A
Chf5	137624861	137624977	Chf5.122097	<i>Fbxo24(+159)</i>	N/A
Chf5	137625018	137625152	Chf5.122100	<i>Fbxo24(-7)</i>	N/A
Chf5	137628630	137628803	Chf5.122102	<i>Fbxo24(-3639)</i>	N/A
Chf5	137628867	137628980	Chf5.122104	<i>Fbxo24(-3846)</i>	N/A
Chf5	137630036	137630140	Chf5.122115	<i>Sap25(-11349),Fbxo24(-5010)</i>	N/A
Chf5	137630676	137630833	Chf5.122117	<i>Sap25(-10682),Fbxo24(-5677)</i>	N/A
Chf5	137631258	137631357	Chf5.122121	<i>Sap25(-10129),Fbxo24(-6230)</i>	N/A
Chf5	137640124	137640281	Chf5.122170	<i>Sap25(-1234)</i>	N/A
Chf5	137640742	137640872	Chf5.122175	<i>Sap25(-630)</i>	N/A
Chf5	137671540	137671664	Chf5.122244	<i>Irs3(-25888),Agfg2(+13124)</i>	N/A
Chf5	137671847	137672098	Chf5.122246	<i>Irs3(-26259),Agfg2(+12753)</i>	N/A
Chf5	137673168	137673288	Chf5.122251	<i>Irs3(-27512),Agfg2(+11500)</i>	N/A
Chf5	137734387	137734578	Chf5.122301	<i>Agfg2(-49757),Nyap1(+7124)</i>	N/A
Chf5	137738831	137739003	Chf5.122338	<i>Agfg2(-54191),Nyap1(+2690)</i>	N/A
Chf5	137740901	137741091	Chf5.122348	<i>Tsc22d4(-4734),Nyap1(+611)</i>	N/A
Chf5	137746950	137747056	Chf5.122360	<i>Ppp135(-31901),Tsc22d4(+1273)</i>	N/A
Chf5	137748781	137748906	Chf5.122372	<i>Ppp135(-30060),Tsc22d4(+3114)</i>	N/A
Chf5	137753584	137753734	Chf5.122380	<i>Ppp135(-26245),Tsc22d4(+7929)</i>	N/A
Chf5	137756979	137757085	Chf5.122387	<i>Ppp135(-21872),Tsc22d4(+11302)</i>	N/A
Chf5	137757972	137758210	Chf5.122392	<i>Ppp135(-20813),Tsc22d4(+12361)</i>	N/A
Chf5	137758389	137758556	Chf5.122400	<i>Ppp135(-20431),Tsc22d4(+12743)</i>	N/A
Chf5	137759062	137759294	Chf5.122404	<i>Ppp135(-19726),Tsc22d4(+13448)</i>	N/A
Chf5	137759654	137759765	Chf5.122411	<i>Ppp135(-19194),Tsc22d4(+13980)</i>	N/A
Chf5	137761904	137762020	Chf5.122442	<i>Ppp135(+3058),Mepce(+4701)</i>	N/A
Chf5	137782165	137782492	Chf5.122444	<i>Ppp135(+3425),Mepce(+4334)</i>	N/A
Chf5	137786501	137786884	Chf5.122475	<i>Zcwpw1(-1105),Mepce(-30)</i>	N/A
Chf5	138085023	138085168	Chf5.122619	<i>Zkscan1(-12)</i>	N/A
Chf5	138086076	138086213	Chf5.122624	<i>Zscan2(-30896),Zkscan1(+1061)</i>	N/A
Chf5	138155623	138155760	Chf5.122700	<i>Zfp113(-52)</i>	N/A
Chf5	138165307	138165444	Chf5.122735	<i>Apkm1(-6626),Cops6(+4305)</i>	N/A

Chr5	138171213	138171313	Chr5.122784	Ap4m1(-739)	N/A
Chr5	20702806	20703201	Chr5.12283	Mag2(+727)	N/A
Chr5	138271494	138271634	Chr5.123058	Map11(-7570), Gal384(+1190)	N/A
Chr5	138278917	138280126	Chr5.123100	Stag3(-554), Spc2(+17)	N/A
Chr5	138857865	138858016	Chr5.123315	Gm5294(+37861), Pdgra(+137096)	N/A
Chr5	138931773	138932044	Chr5.123321	Pdgra(+63128), Gm5294(+111829)	N/A
Chr5	138965770	138965922	Chr5.123323	Pdgra(+29191), Gm5294(+145766)	N/A
Chr5	138992193	138992354	Chr5.123347	633940308nk(-2782), Pdgra(+2763)	N/A
Chr5	138993941	138993771	Chr5.123351	633940308nk(-1350), Pdgra(+1331)	N/A
Chr5	139249289	139249482	Chr5.123601	Get4(-2938)	N/A
Chr5	139535639	139535857	Chr5.123905	Zband2a(-51199), Uncx(-8150)	N/A
Chr5	139538837	139539036	Chr5.123918	Uncx(-4961)	N/A
Chr5	139540664	139540821	Chr5.123923	Uncx(-3155)	N/A
Chr5	139548625	139548857	Chr5.123954	Uncx(+4843), Mical2(+187595)	N/A
Chr5	139553458	139553560	Chr5.123968	Uncx(+9811), Mical2(+182827)	N/A
Chr5	139572514	139572704	Chr5.123999	Uncx(+28711), Mical2(+163727)	N/A
Chr5	139580270	139580386	Chr5.124004	Uncx(+36430), Mical2(+156008)	N/A
Chr5	139581470	139581652	Chr5.124008	Uncx(+37663), Mical2(+154775)	N/A
Chr5	139585071	139585387	Chr5.124011	Uncx(+41331), Mical2(+151107)	N/A
Chr5	139585435	1395855781	Chr5.124015	Uncx(+41710), Mical2(+150728)	N/A
Chr5	139593980	139594113	Chr5.124021	Uncx(+50149), Mical2(+142289)	N/A
Chr5	139599045	139599197	Chr5.124027	Uncx(+55223), Mical2(+137215)	N/A
Chr5	139599752	139600326	Chr5.124030	Uncx(+56141), Mical2(+136297)	N/A
Chr5	139610941	139611153	Chr5.124033	Uncx(+67149), Mical2(+125289)	N/A
Chr5	139619401	139619777	Chr5.124036	Uncx(+76911), Mical2(+116747)	N/A
Chr5	139648126	139648252	Chr5.124044	Mical2(+88147), Uncx(+104293)	N/A
Chr5	139648332	139648471	Chr5.124048	Mical2(+87934), Uncx(+104504)	N/A
Chr5	139673052	139673157	Chr5.124056	Mical2(+63231), Uncx(+129207)	N/A
Chr5	139682127	139682401	Chr5.124068	Mical2(+54072), Uncx(+138366)	N/A
Chr5	139682800	139682920	Chr5.124069	Mical2(+53476), Uncx(+138962)	N/A
Chr5	139686717	139686999	Chr5.124072	Mical2(+49531), Uncx(+142907)	N/A
Chr5	139694908	139695110	Chr5.124075	Mical2(+41327), Uncx(+151111)	N/A
Chr5	139746489	139746594	Chr5.124123	Mical2(-10206), Ints1(+29136)	N/A
Chr5	139793443	139793567	Chr5.124373	Mafk(-4009)	N/A
Chr5	139797901	139798045	Chr5.124379	Mafk(+459)	N/A
Chr5	139894073	139894205	Chr5.124450	Pang3(-67254), Elfn1(-13804)	N/A
Chr5	139911571	139911742	Chr5.124458	Elfn1(+3714), Mad11(+409895)	N/A
Chr5	139964319	139964452	Chr5.124477	Elfn1(+56443), Mad11(+357166)	N/A
Chr5	140011331	140011487	Chr5.124545	Elfn1(+103466), Mad11(+310143)	N/A
Chr5	140066688	140066994	Chr5.124575	Elfn1(+158988), Mad11(+254621)	N/A
Chr5	140073834	140073996	Chr5.124587	Elfn1(+165972), Mad11(+247637)	N/A
Chr5	140078035	140078242	Chr5.124591	Elfn1(+197196), Mad11(+243413)	N/A
Chr5	140083733	140083869	Chr5.124605	Elfn1(+185558), Mad11(+227751)	N/A
Chr5	140095374	140095483	Chr5.124606	Elfn1(+187486), Mad11(+226123)	N/A
Chr5	140102892	140103005	Chr5.124609	Elfn1(+195006), Mad11(+218603)	N/A
Chr5	140128352	140128644	Chr5.124622	Mad11(+193054), Elfn1(+220555)	N/A
Chr5	140174022	140174125	Chr5.124655	Mad11(+147478), Elfn1(+266131)	N/A
Chr5	140174267	140174405	Chr5.124656	Mad11(+147216), Elfn1(+265303)	N/A
Chr5	140175327	140175427	Chr5.124659	Mad11(+146175), Elfn1(+267434)	N/A
Chr5	140191034	140191227	Chr5.124671	Mad11(+130421), Elfn1(+283188)	N/A
Chr5	140223180	140223644	Chr5.124710	Mad11(+98140), Elfn1(+315469)	N/A
Chr5	140382784	140382938	Chr5.124867	Srx8(+6390), Nudt1(+50952)	N/A
Chr5	140584164	140584359	Chr5.125066	Lfng(-23078), Grfn(-19191)	N/A
Chr5	140591988	140592124	Chr5.125071	Grfn(-26985), Lfng(-15285)	N/A
Chr5	140595265	140595394	Chr5.125075	Grfn(-30259), Lfng(-12011)	N/A
Chr5	140605392	140605502	Chr5.125085	Lfng(-1894)	N/A
Chr5	140608740	140608828	Chr5.125095	Lfng(+1493), Tlyh3(+40197)	N/A
Chr5	140610181	140610290	Chr5.125101	Lfng(+2895), Tlyh3(+38795)	N/A
Chr5	140611216	140611418	Chr5.125105	Lfng(+3977), Tlyh3(+37713)	N/A
Chr5	140615425	140615549	Chr5.125157	Lfng(+8143), Tlyh3(+33547)	N/A
Chr5	140625040	140625252	Chr5.125166	Lfng(+17805), Tlyh3(+23885)	N/A
Chr5	140647154	140647264	Chr5.125213	Tlyh3(+1822), Lfng(+39868)	N/A
Chr5	21030248	21030579	Chr5.12525	Rabn1(-78592), Ptpn12(+25497)	N/A
Chr5	21054493	21054697	Chr5.12533	Rabn1(-102773), Ptpn12(+1316)	N/A
Chr5	21054945	21054963	Chr5.12536	Rabn1(-103077), Ptpn12(+101)	N/A
Chr5	140856179	140856433	Chr5.125473	Gna12(-25875), Card1(+144290)	N/A
Chr5	140884955	140885093	Chr5.125507	Gna12(-54593), Card1(+115572)	N/A
Chr5	141047827	141047974	Chr5.125635	Sdk1(-193589), Card1(+47305)	N/A
Chr5	141076028	141076223	Chr5.125651	Sdk1(-165364), Card1(-75330)	N/A
Chr5	141091830	141091997	Chr5.125662	Sdk1(-149578), Card1(+91318)	N/A
Chr5	141139133	141139316	Chr5.125687	Sdk1(-138629), Sdk1(+922630)	N/A
Chr5	141197457	141197545	Chr5.125732	Card11(-196792), Sdk1(-44102)	N/A
Chr5	141202353	141202537	Chr5.125751	Card11(-201849), Sdk1(-39045)	N/A
Chr5	141202726	141202872	Chr5.125753	Card11(-202203), Sdk1(-38691)	N/A
Chr5	21175245	21175357	Chr5.12582	Ptpn12(-119390), Gasp(-10966)	N/A
Chr5	141380092	141380254	Chr5.125841	Sdk1(+138683)	N/A
Chr5	21175888	21176067	Chr5.12587	Ptpn12(-120067), Gasp(-10289)	N/A
Chr5	141691707	141691810	Chr5.126101	Foxk1(-709738), Sdk1(+450269)	N/A
Chr5	141717344	141717566	Chr5.126112	Foxk1(-684042), Sdk1(+475965)	N/A
Chr5	141868526	141868629	Chr5.126238	Foxk1(-532919), Sdk1(+627088)	N/A
Chr5	142177721	142177858	Chr5.126759	Foxk1(-223707), Sdk1(+936300)	N/A
Chr5	142292021	142292323	Chr5.126820	Foxk1(-172236), Sdk1(+987772)	N/A
Chr5	142371685	142371861	Chr5.126854	Foxk1(-29724)	N/A
Chr5	142409304	142409470	Chr5.126861	Ap5z1(-54544), Foxk1(+7890)	N/A
Chr5	142525977	142526094	Chr5.127127	Papoli(-4040), Ap5z1(+62105)	N/A
Chr5	142629499	142629613	Chr5.127241	Wip2(+14)	N/A
Chr5	142632992	142632505	Chr5.127309	Slc29a4(-9652), Wip2(+62907)	N/A
Chr5	142725980	142726190	Chr5.127356	Slc29a4(+23984), Trnc18(+91302)	N/A
Chr5	142727838	142727990	Chr5.127361	Slc29a4(+25813), Trnc18(+89473)	N/A
Chr5	142732860	142732960	Chr5.127393	Slc29a4(+30809), Trnc18(+84477)	N/A
Chr5	142736637	142736753	Chr5.127404	Slc29a4(+34594), Trnc18(+80692)	N/A
Chr5	142750373	142750562	Chr5.127438	Slc29a4(+48367), Trnc18(+66919)	N/A
Chr5	142752515	142752515	Chr5.127447	Slc29a4(+50394), Trnc18(+64322)	N/A
Chr5	142753190	142753504	Chr5.127449	Slc29a4(+51246), Trnc18(+64040)	N/A
Chr5	142754730	142754864	Chr5.127453	Slc29a4(+52696), Trnc18(+62590)	N/A
Chr5	142761615	142761733	Chr5.127469	Trnc18(+55713), Slc29a4(+59573)	N/A
Chr5	142816680	142816792	Chr5.127602	Trnc18(+646)	N/A
Chr5	142818688	142818934	Chr5.127611	Trnc18(-1494)	N/A
Chr5	142819368	142819540	Chr5.127612	Trnc18(-2067)	N/A
Chr5	142819572	142819818	Chr5.127613	Trnc18(-2308)	N/A
Chr5	142820108	142820324	Chr5.127617	Trnc18(-2829)	N/A
Chr5	142823349	142823462	Chr5.127625	Trnc18(-6019), Fbx18(+71832)	N/A
Chr5	142857910	142858107	Chr5.127628	Trnc18(-40622), Fbx18(+37229)	N/A
Chr5	142869560	142869758	Chr5.127635	Trnc18(-5272), Fbx18(+25579)	N/A
Chr5	143048532	143048679	Chr5.127614	Rnf216(+64414), Fscn1(+88263)	N/A
Chr5	143053036	143053158	Chr5.127819	Rnf216(+59923), Fscn1(+92754)	N/A
Chr5	143055666	143055775	Chr5.127826	Rnf216(+57299), Fscn1(+95378)	N/A
Chr5	143056582	143056741	Chr5.127829	Rnf216(+56358), Fscn1(+96319)	N/A
Chr5	143057869	143058021	Chr5.127831	Rnf216(+55075), Fscn1(+97602)	N/A
Chr5	143058502	143058609	Chr5.127835	Rnf216(+54646), Fscn1(+98213)	N/A
Chr5	143137760	143137903	Chr5.127911	Olfr718-ps1(+368)	N/A
Chr5	143518179	143518327	Chr5.128445	Rac1(+9783), Daglb(+53760)	N/A
Chr5	143548951	143549141	Chr5.128449	Fam220a(-338), Fam220a(+340)	N/A
Chr5	143598715	143598814	Chr5.128468	Cytn3(-23682), Fam220a(+50057)	N/A
Chr5	143598999	143599137	Chr5.128471	Cytn3(-23379), Fam220a(+50360)	N/A
Chr5	143620875	143620974	Chr5.128485	Cytn3(-1529)	N/A
Chr5	143625567	143625693	Chr5.128493	Cytn3(+3183), Usp42(+106650)	N/A
Chr5	143633065	143633301	Chr5.128498	Cytn3(+10736), Usp42(+99097)	N/A
Chr5	143634400	143634621	Chr5.128502	Cytn3(+12064), Usp42(+97769)	N/A
Chr5	143637463	143637574	Chr5.128507	Cytn3(+15072), Usp42(+94761)	N/A
Chr5	143637921	143638149	Chr5.128511	Cytn3(+15588), Usp42(+94245)	N/A
Chr5	143655389	143655591	Chr5.128519	Cytn3(+33043), Usp42(+76790)	N/A
Chr5	144100343	144100444	Chr5.129002	Lmtk2(-42)	N/A
Chr5	144105198	144105348	Chr5.129008	Bhlha15(-85013), Lmtk2(+4837)	N/A
Chr5	144411854	144411984	Chr5.129478	Nptx2(-133968), Bapap21(-53807)	N/A
Chr5	144537912	144538012	Chr5.129560	Bapap21(-179850), Apta(-27925)	N/A
Chr5	21518522	21518623	Chr5.12962	Lrrc17(-24954), Fam185a(+93615)	N/A
Chr5	144703738	144703969	Chr5.129741	Tmem130(+57795), Nptx2(+157967)	N/A
Chr5	144720038	144720149	Chr5.129748	Tmem130(+41555), Nptx2(+174207)	N/A
Chr5	21554063	21554236	Chr5.13025	Lrrc17(+10623), Fbx13(+91455)	N/A
Chr5	21556937	21557087	Chr5.13030	Lrrc17(+13475), Fbx13(+88603)	N/A
Chr5	144959257	144959422	Chr5.130363	Smurf1(+6507), Tmpo(+190546)	N/A
Chr5	145083825	145083977	Chr5.130476	Arpc1a(+71)	N/A
Chr5	21565846	21566009	Chr5.13056	Lrrc17(+22401), Fbx13(+79677)	N/A
Chr5	145181931	145182041	Chr5.130689	Atp5j2(+10076), Cpsf4(+14762)	N/A
Chr5	145204463	145204587	Chr5.130720	Zscan14(-2647), Zscan5(-47)	N/A
Chr5	145235271	145235424	Chr5.130761	Zscan25(+47965), Zfp655(-3645)	N/A
Chr5	145235725	145235868	Chr5.130764	Zscan25(-47546), Zfp655(+4074)	N/A

Chf5	146220391	146220495	Chf5.130857	1700001j03rik(-35139),Rnf6(+1112)	N/A
Chf5	146232329	146232440	Chf5.130871	Waf3(-152600),Cdk8(+1097)	N/A
Chf5	146232485	146232712	Chf5.130872	Waf3(-152386),Cdk8(+1311)	N/A
Chf5	146301417	21603290	Chf5.13092	Fbw1(-36386),Lnx1(+56562)	N/A
Chf5	146315508	146315690	Chf5.130931	Waf3(-69386),Cdk8(+94311)	N/A
Chf5	146386128	146386263	Chf5.130966	Gm6408(-95747),Waf3(+1211)	N/A
Chf5	146402226	146402428	Chf5.130970	Gm6408(-79616),Waf3(+17342)	N/A
Chf5	146412920	146413046	Chf5.130977	Gm6408(-68960),Waf3(+27998)	N/A
Chf5	146602722	146602902	Chf5.131140	Gpr12(-107573),Usp12(+102194)	N/A
Chf5	146703779	146703900	Chf5.131148	Gpr12(-118601),Usp12(+91166)	N/A
Chf5	146833085	146833190	Chf5.131192	Rpl21(+248)	N/A
Chf5	146846540	146846713	Chf5.131219	Ras11a(+1556),Gm10858(+49569)	N/A
Chf5	146912411	146912582	Chf5.131244	Gf33a(-36160),Gm10858(-16301)	N/A
Chf5	146920164	146920300	Chf5.131251	Gf33a(-28425),Gm10858(-24036)	N/A
Chf5	146969046	146969333	Chf5.131350	Mtfr3(-5405),Lnx2(+107299)	N/A
Chf5	146991735	146991891	Chf5.131365	Mtfr3(-28028),Lnx2(+84773)	N/A
Chf5	147017004	147017117	Chf5.131385	Mtfr3(-53276),Lnx2(+59525)	N/A
Chf5	147063367	147063519	Chf5.131478	Mtfr3(-99658),Lnx2(+13143)	N/A
Chf5	147094579	147094691	Chf5.131504	Gsx1(-94061),Polr1d(+17585)	N/A
Chf5	147134648	147135075	Chf5.131550	Gsx1(-53834),Polr1d(+57812)	N/A
Chf5	147135873	147135981	Chf5.131556	Gsx1(-62769),Polr1d(+58877)	N/A
Chf5	147178233	147178459	Chf5.131581	Gsx1(-10350),Polr1d(+101296)	N/A
Chf5	147186380	147186671	Chf5.131586	Gsx1(-2170)	N/A
Chf5	147188447	147188712	Chf5.131595	Gsx1(-116)	N/A
Chf5	147204811	147205168	Chf5.131605	Pdx1(-64969),Gsx1(+16294)	N/A
Chf5	147223562	147223554	Chf5.131623	Pdx1(-44501),Gsx1(+36762)	N/A
Chf5	147228259	147228470	Chf5.131634	Pdx1(-43594),Gsx1(+37669)	N/A
Chf5	21724583	21724800	Chf5.13189	Napepld(-23298),Pmpcb(-12449)	N/A
Chf5	147577183	147577342	Chf5.132035	Pan3(+147102),Fit1(+148748)	N/A
Chf5	147590044	147590157	Chf5.132075	Fit1(+135910),Pan3(+159940)	N/A
Chf5	4220972	4221294	Chf5.1321	Mtfr1b(+12678),Fzd1(+337083)	N/A
Chf5	147637522	147637827	Chf5.132153	Fit1(+86336),Pan3(+207514)	N/A
Chf5	147645407	147645574	Chf5.132176	Fit1(+80520),Pan3(+215330)	N/A
Chf5	147646377	147646498	Chf5.132182	Fit1(+79573),Pan3(+216277)	N/A
Chf5	147685845	147686035	Chf5.132299	Fit1(+40071),Pan3(+255779)	N/A
Chf5	147725990	147726142	Chf5.132340	Fit1(-55)	N/A
Chf5	147751906	147752119	Chf5.132359	Pomp(-10815),Fit1(-26002)	N/A
Chf5	147753141	147753274	Chf5.132361	Pomp(-107420),Fit1(-27197)	N/A
Chf5	147778707	147778859	Chf5.132365	Pomp(-81845),Fit1(-52772)	N/A
Chf5	147835268	147835416	Chf5.132381	Fit1(-109331),Pomp(-25286)	N/A
Chf5	147860505	147860633	Chf5.132409	Pomp(-59)	N/A
Chf5	147918363	147918503	Chf5.132490	Mtus2(-38887),Slc40a3(-23618)	N/A
Chf5	147959068	147959229	Chf5.132509	Mtus2(-629)	N/A
Chf5	148265256	148265463	Chf5.132737	Slc7a1(+134544),Mtus2(+308040)	N/A
Chf5	148398545	148398660	Chf5.132949	Slc7a1(+1301),Mtus2(+441283)	N/A
Chf5	148452913	148453026	Chf5.132957	Slc7a1(-53066),Ubi3(+99818)	N/A
Chf5	148536106	148536273	Chf5.133008	Slc7a1(-136286),Ubi3(+16598)	N/A
Chf5	148550042	148550141	Chf5.133020	Slc7a1(-150188),Ubi3(+2696)	N/A
Chf5	148552217	148552404	Chf5.133027	Ubi3(+477)	N/A
Chf5	148579907	148580020	Chf5.133052	Ubi3(-27176),Katnal1(+348683)	N/A
Chf5	148609544	148609721	Chf5.133079	Ubi3(-56845),Katnal1(+319014)	N/A
Chf5	148609826	148609944	Chf5.133082	Ubi3(-57097),Katnal1(+318762)	N/A
Chf5	148634950	148635076	Chf5.133113	Ubi3(-82225),Katnal1(+293634)	N/A
Chf5	148709159	148709266	Chf5.133138	Ubi3(-156425),Katnal1(+219434)	N/A
Chf5	148789199	148789298	Chf5.133162	Ubi3(-236461),Katnal1(+139398)	N/A
Chf5	148798402	148798538	Chf5.133167	Ubi3(-245682),Katnal1(+130177)	N/A
Chf5	148822856	148822997	Chf5.133170	Ubi3(-270139),Katnal1(+105720)	N/A
Chf5	148831067	148831222	Chf5.133178	Ubi3(-278357),Katnal1(+97502)	N/A
Chf5	148965221	148965350	Chf5.133276	Gm15409(+6008),Hmgb1(+87754)	N/A
Chf5	149002085	149002198	Chf5.133285	Gm15409(+4264),Hmgb1(+50988)	N/A
Chf5	149049088	149049211	Chf5.133309	Hmgb1(+3890),Gm15409(+89872)	N/A
Chf5	149052787	149053411	Chf5.133318	Hmgb1(-59)	N/A
Chf5	149053634	149053865	Chf5.133328	Hmgb1(-710)	N/A
Chf5	149053930	149054114	Chf5.133333	Hmgb1(-982)	N/A
Chf5	149127745	149127883	Chf5.133355	Hmgb1(-74764),Usp1(-56859)	N/A
Chf5	149184030	149184137	Chf5.133377	Usp1(-579)	N/A
Chf5	149184281	149184386	Chf5.133379	Usp1(-329)	N/A
Chf5	149259300	149259423	Chf5.133455	Alox5ap(-5696),Usp1(+74699)	N/A
Chf5	149279441	149279569	Chf5.133477	Medag(-132244),Alox5ap(+14447)	N/A
Chf5	149375481	149375634	Chf5.133510	Medag(-30191),Alox5ap(+110500)	N/A
Chf5	149377217	149377505	Chf5.133523	Medag(-34388),Alox5ap(+112303)	N/A
Chf5	149380683	149380841	Chf5.133526	Medag(-30987),Alox5ap(+115704)	N/A
Chf5	149392079	149392321	Chf5.133543	Medag(-19549),Alox5ap(+127142)	N/A
Chf5	149406795	149406927	Chf5.133553	Medag(-4888)	N/A
Chf5	149489053	149489218	Chf5.133609	Wdr95(-39545),Tex26(+49428)	N/A
Chf5	149495596	149495697	Chf5.133612	Wdr95(-33032),Tex26(+55941)	N/A
Chf5	149495729	149495858	Chf5.133614	Wdr95(-32885),Tex26(+56088)	N/A
Chf5	149495938	149496125	Chf5.133617	Wdr95(-32647),Tex26(+56326)	N/A
Chf5	149503502	149503635	Chf5.133630	Wdr95(-25110),Tex26(+63863)	N/A
Chf5	149528180	149528313	Chf5.133663	Wdr95(-432)	N/A
Chf5	149528375	149528502	Chf5.133664	Wdr95(-210)	N/A
Chf5	149566158	149566303	Chf5.133693	Wdr95(-37552),Hspb1(+70107)	N/A
Chf5	149568932	149569365	Chf5.133703	Wdr95(-40470),Hspb1(+67189)	N/A
Chf5	149636243	149636438	Chf5.133833	Hspb1(-3)	N/A
Chf5	149837630	149837734	Chf5.133978	Rxp2(-180993),B3glt(+159452)	N/A
Chf5	149909888	149909930	Chf5.134009	Rxp2(-108986),B3glt(+231579)	N/A
Chf5	150114966	150115138	Chf5.134134	Fryf(-144878),Rxp2(+96377)	N/A
Chf5	150144248	150144413	Chf5.134169	Fryf(-115599),Rxp2(+125656)	N/A
Chf5	150144646	150144867	Chf5.134172	Fryf(-115173),Rxp2(+126082)	N/A
Chf5	150195871	150195973	Chf5.134194	Fryf(-64008),Rxp2(+177247)	N/A
Chf5	150196323	150196444	Chf5.134197	Fryf(-63546),Rxp2(+177709)	N/A
Chf5	150196530	150196741	Chf5.134199	Fryf(-63294),Rxp2(+177961)	N/A
Chf5	150206028	150206748	Chf5.134250	Fryf(-758)	N/A
Chf5	150295298	150295485	Chf5.134302	Fryf(+35462),Zar1(+222772)	N/A
Chf5	150295540	150295691	Chf5.134304	Fryf(+35686),Zar1(+222548)	N/A
Chf5	150457540	150457652	Chf5.134590	Zar1(+60568),Fryf(+197666)	N/A
Chf5	150466376	150466527	Chf5.134609	Zar1(+62712),Fryf(+205522)	N/A
Chf5	150852789	150852898	Chf5.135061	Kl(-99763),Puls5(+179105)	N/A
Chf5	21949336	219495000	Chf5.13529	Sic26a5(-93814),Reln(+395294)	N/A
Chf5	151056198	151056347	Chf5.135328	Kl(+103666),Stard13(+133921)	N/A
Chf5	151071069	151071253	Chf5.135411	Kl(+118554),Stard13(+119033)	N/A
Chf5	151071350	151071480	Chf5.135414	Stard13(+118779),Kl(+118808)	N/A
Chf5	151096188	151096296	Chf5.135432	Stard13(+93952),Kl(+143635)	N/A
Chf5	151126111	151126218	Chf5.135481	Stard13(+64029),Kl(+173558)	N/A
Chf5	151126268	151126476	Chf5.135484	Stard13(+63822),Kl(+173765)	N/A
Chf5	151127343	151127738	Chf5.135486	Stard13(+62653),Kl(+174934)	N/A
Chf5	151143297	151143678	Chf5.135501	Stard13(+46706),Kl(+190881)	N/A
Chf5	151174610	151174748	Chf5.135555	Stard13(+15515),Kl(+222072)	N/A
Chf5	151180735	151180802	Chf5.135596	Stard13(+1325),Kl(+226262)	N/A
Chf5	151218804	151219053	Chf5.135614	Stard13(-28735),D730045b01rnk(+150243)	N/A
Chf5	151232007	151232204	Chf5.135635	Stard13(-41912),D730045b01rnk(+137066)	N/A
Chf5	151233583	151233725	Chf5.135639	Stard13(-43460),D730045b01rnk(+135518)	N/A
Chf5	151364790	151364978	Chf5.135711	Stard13(-174690),D730045b01rnk(+4288)	N/A
Chf5	151394938	151395043	Chf5.135730	D730045b01rnk(-25819),Vmn218(+191933)	N/A
Chf5	22032295	22032482	Chf5.137111	Sic26a5(-168770),Reln(+132528)	N/A
Chf5	4257146	4257468	Chf5.1385	Mtfr1b(+64929),Fzd1(+509020)	N/A
Chf5	22135633	22135764	Chf5.13906	Sic26a5(-270095),Reln(+209003)	N/A
Chf5	22153710	22153889	Chf5.13946	Sic26a5(-288196),Reln(+190902)	N/A
Chf5	22208343	22208473	Chf5.14025	Sic26a5(-342804),Reln(+136294)	N/A
Chf5	4311133	4311364	Chf5.1461	Mtfr1b(+118852),Fzd1(+446967)	N/A
Chf5	43111393	4311057	Chf5.1463	Mtfr1b(+119398),Fzd1(+446541)	N/A
Chf5	43113109	4313298	Chf5.1482	Mtfr1b(+120837),Fzd1(+445012)	N/A
Chf5	23403781	23403880	Chf5.15029	Orc5(-853456),5031425e22nk(+30088)	N/A
Chf5	23408008	23408277	Chf5.15033	Orc5(-857768),5031425e22nk(+25776)	N/A
Chf5	23410245	23410482	Chf5.15039	Orc5(-859989),5031425e22nk(+23555)	N/A
Chf5	23433001	23433278	Chf5.15049	Kmt2e(+309),5031425e22nk(+779)	N/A
Chf5	23433864	23433980	Chf5.15056	Kmt2e(-527),5031425e22nk(-3)	N/A
Chf5	23434462	23434572	Chf5.15059	5031425e22nk(-598),Kmt2e(+68)	N/A
Chf5	23434718	23434841	Chf5.15061	5031425e22nk(-861),Kmt2e(+331)	N/A
Chf5	23435272	23435384	Chf5.15069	5031425e22nk(-1409),Kmt2e(+879)	N/A
Chf5	23435432	23435541	Chf5.15071	5031425e22nk(-1568),Kmt2e(+1038)	N/A
Chf5	23435843	23436009	Chf5.15074	5031425e22nk(-2007),Kmt2e(+1477)	N/A
Chf5	23436041	23436141	Chf5.15075	5031425e22nk(-2172),Kmt2e(+1642)	N/A
Chf5	23436330	23436433	Chf5.15077	5031425e22nk(-2463),Kmt2e(+1933)	N/A
Chf5	23513435	23513680	Chf5.15213	Kmt2e(+79109),Sprk2(+103013)	N/A
Chf5	23615640	23615881	Chf5.15280	Srpk2(+810)	N/A
Chf5	23616301	23618619	Chf5.15284	Srpk2(+1171)	N/A
Chf5	23616961	23617068	Chf5.15288	Srpk2(-444)	N/A

Chr5	4354460	4354632	Chr5.1539	<i>Mterfb(+162179),Fzd1(+403670)</i>	N/A
Chr5	3340750	3340925	Chr5.154	<i>Cdk6(-3055)</i>	N/A
Chr5	4355096	4355230	Chr5.1544	<i>Mterfb(+162796),Fzd1(+403053)</i>	N/A
Chr5	4355272	4355435	Chr5.1546	<i>Mterfb(+163937),Fzd1(+402862)</i>	N/A
Chr5	23915444	23915548	Chr5.15471	<i>Tomm7(-71335),Fam126a(+15194)</i>	N/A
Chr5	23961301	23961455	Chr5.15481	<i>Tomm7(-117217),Fam126a(+69312)</i>	N/A
Chr5	4355616	4355934	Chr5.1550	<i>Mterfb(+163408),Fzd1(+402441)</i>	N/A
Chr5	23966105	23966493	Chr5.15508	<i>Tomm7(-122138),Fam126a(+64391)</i>	N/A
Chr5	4356083	4356217	Chr5.1557	<i>Mterfb(+163733),Fzd1(+402066)</i>	N/A
Chr5	24035067	24030789	Chr5.15574	<i>Fam126a(+12)</i>	N/A
Chr5	24048197	24048409	Chr5.15591	<i>Kilf7(-52287),Fam126a(-17613)</i>	N/A
Chr5	24319608	24310895	Chr5.15681	<i>Kcnh2(+31852),Nup2(+154789)</i>	N/A
Chr5	24320603	24320763	Chr5.15687	<i>Kcnh2(+30921),Nup2(+155720)</i>	N/A
Chr5	24329157	24329297	Chr5.15760	<i>Kcnh2(+22377),Nup2(+164264)</i>	N/A
Chr5	24329342	24329455	Chr5.15762	<i>Kcnh2(+22305),Nup2(+164435)</i>	N/A
Chr5	24329746	24329871	Chr5.15767	<i>Kcnh2(+21795),Nup2(+164846)</i>	N/A
Chr5	24334962	24335093	Chr5.15793	<i>Kcnh2(+16576),Nup2(+170065)</i>	N/A
Chr5	24337455	24337656	Chr5.15799	<i>Kcnh2(+14048),Nup2(+172593)</i>	N/A
Chr5	24343264	24343394	Chr5.15800	<i>Kcnh2(+8275),Nup2(+178366)</i>	N/A
Chr5	24344165	24344307	Chr5.15803	<i>Kcnh2(+7368),Nup2(+179273)</i>	N/A
Chr5	24344658	24345034	Chr5.15805	<i>Kcnh2(+6558),Nup2(+179983)</i>	N/A
Chr5	24352489	24352658	Chr5.15826	<i>Kcnh2(-970)</i>	N/A
Chr5	24352786	24352892	Chr5.15829	<i>Kcnh2(-1235)</i>	N/A
Chr5	24353037	24353188	Chr5.15831	<i>Kcnh2(-1509)</i>	N/A
Chr5	2434220	24364220	Chr5.15843	<i>Nas3(-518)</i>	N/A
Chr5	24364580	24364744	Chr5.15847	<i>Nas3(-148)</i>	N/A
Chr5	24365674	24365803	Chr5.15850	<i>Nas3(+929)</i>	N/A
Chr5	3342232	3342525	Chr5.160	<i>Cdk6(-1514)</i>	N/A
Chr5	24394650	24394749	Chr5.16062	<i>Atg9b(-2557),Abcb8(+1024)</i>	N/A
Chr5	24423328	24423557	Chr5.16262	<i>Slc4a2(-1789),Cdk5(+87)</i>	N/A
Chr5	24423666	24423816	Chr5.16265	<i>Cdk5(-1491),Cdk5(-211)</i>	N/A
Chr5	24424331	24424515	Chr5.16272	<i>Cdk5(-893),Slc4a2(-809)</i>	N/A
Chr5	24426033	24426196	Chr5.16278	<i>Cdk5(-2585),Slc4a2(+883)</i>	N/A
Chr5	24428072	24428202	Chr5.16291	<i>Cdk5(-4607),Slc4a2(+2905)</i>	N/A
Chr5	4484875	4485097	Chr5.1644	<i>Fzd1(+273230),Mterfb(+292619)</i>	N/A
Chr5	4485657	4486175	Chr5.1646	<i>Fzd1(+272300),Mterfb(+293549)</i>	N/A
Chr5	24453876	24453998	Chr5.16481	<i>Gm10472(-2230),Agap3(+1760)</i>	N/A
Chr5	24473960	24474061	Chr5.16489	<i>Agap3(+21834),Gbx1(+53265)</i>	N/A
Chr5	24482685	24482883	Chr5.16520	<i>Agap3(+30607),Gbx1(+44492)</i>	N/A
Chr5	24485084	24485285	Chr5.16531	<i>Agap3(+33008),Gbx1(+42091)</i>	N/A
Chr5	24488330	24488467	Chr5.16534	<i>Agap3(+36222),Gbx1(+38877)</i>	N/A
Chr5	4486282	4486437	Chr5.1654	<i>Fzd1(+271856),Mterfb(+263953)</i>	N/A
Chr5	24498222	24498365	Chr5.16552	<i>Gbx1(+30962),Agap3(+44117)</i>	N/A
Chr5	24499205	24499379	Chr5.16563	<i>Gbx1(+27984),Agap3(+47115)</i>	N/A
Chr5	4486672	4486778	Chr5.1657	<i>Fzd1(+271491),Mterfb(+294358)</i>	N/A
Chr5	3343441	3343675	Chr5.166	<i>Cdk6(-335)</i>	N/A
Chr5	4489477	4489800	Chr5.1662	<i>Fzd1(+268577),Mterfb(+297272)</i>	N/A
Chr5	24530338	24530700	Chr5.16635	<i>Gbx1(-3343)</i>	N/A
Chr5	24540648	24540794	Chr5.16706	<i>Asb10(-264)</i>	N/A
Chr5	4496867	4496979	Chr5.1676	<i>Fzd1(+261293),Mterfb(+304556)</i>	N/A
Chr5	24551117	24551258	Chr5.16788	<i>Asb10(-10731),Iqca1(+4281)</i>	N/A
Chr5	3343777	3344182	Chr5.168	<i>Cdk6(+87)</i>	N/A
Chr5	4499281	4499636	Chr5.1683	<i>Fzd1(+258756),Mterfb(+307093)</i>	N/A
Chr5	24596959	24596950	Chr5.16971	<i>Smadcc3(-3207),Cnfr2(+10061)</i>	N/A
Chr5	24622518	24622691	Chr5.16998	<i>Nub1(-63210),Smadcc3(-20593)</i>	N/A
Chr5	24725078	24725177	Chr5.17080	<i>Wdr86(+5599),Nub1(-39313)</i>	N/A
Chr5	24747636	24747774	Chr5.17084	<i>Wdr86(-16978),Crygn(+10303)</i>	N/A
Chr5	24842539	24842711	Chr5.17128	<i>Rheb(-1)</i>	N/A
Chr5	24863486	24863687	Chr5.17139	<i>1500035n22rk(-122254),Rheb(-20964)</i>	N/A
Chr5	24905533	24906636	Chr5.17179	<i>1500035n22rk(-79257),Rheb(-43961)</i>	N/A
Chr5	24953307	24953415	Chr5.17200	<i>Rheb(-110737),1500035n22rk(-32481)</i>	N/A
Chr5	24960954	24961054	Chr5.17204	<i>Rheb(-118380),1500035n22rk(-24838)</i>	N/A
Chr5	24985716	24985821	Chr5.17214	<i>1500035n22rk(-73)</i>	N/A
Chr5	24996255	24996393	Chr5.17216	<i>1500035n22rk(+9482),Prkag2(+105318)</i>	N/A
Chr5	24998987	24999041	Chr5.17219	<i>1500035n22rk(-10122),Prkag2(+10488)</i>	N/A
Chr5	25059391	25059531	Chr5.17250	<i>Prkag2(+41181),1500035n22rk(+73619)</i>	N/A
Chr5	25100427	25100531	Chr5.17267	<i>Prkag2(+163)</i>	N/A
Chr5	4530372	4530610	Chr5.1727	<i>Fzd1(+227725),Mterfb(+338124)</i>	N/A
Chr5	25100619	25100734	Chr5.17270	<i>Prkag2(-35)</i>	N/A
Chr5	4530648	4530816	Chr5.1729	<i>Fzd1(+227463),Mterfb(+338366)</i>	N/A
Chr5	4534575	4534877	Chr5.1739	<i>Fzd1(+223490),Mterfb(+342359)</i>	N/A
Chr5	4535558	4535772	Chr5.1742	<i>Fzd1(+222551),Mterfb(+343298)</i>	N/A
Chr5	25609996	25610267	Chr5.17859	<i>Cct8l1(+94065),Xrcc2(+95693)</i>	N/A
Chr5	25614058	25614188	Chr5.17870	<i>Xrcc2(+91702),Cct8l1(+98056)</i>	N/A
Chr5	25639392	25639496	Chr5.17878	<i>Xrcc2(+66387),Cct8l1(+123377)</i>	N/A
Chr5	25661185	25666340	Chr5.17885	<i>Xrcc2(+39562),Cct8l1(+150198)</i>	N/A
Chr5	25719449	25719627	Chr5.17917	<i>Actr3b(-40488),Xrcc2(-13713)</i>	N/A
Chr5	25754590	25754809	Chr5.17939	<i>Xrcc2(-48875),Actr3b(-5326)</i>	N/A
Chr5	3198360	3198525	Chr5.18	<i>Cdk6(-145450)</i>	N/A
Chr5	25893213	25893422	Chr5.18002	<i>Gm5862(+129598),Acr3b(+133292)</i>	N/A
Chr5	25945370	25945470	Chr5.18160	<i>4930584f2nrk(-452128),Dpp8(-103795)</i>	N/A
Chr5	46215234	4621646	Chr5.1858	<i>Fzd1(+158626),Mterfb(+429223)</i>	N/A
Chr5	28072020	28072122	Chr5.18896	<i>Insig1(+708)</i>	N/A
Chr5	28118454	28118626	Chr5.18736	<i>En2(-47156),Insig1(+47177)</i>	N/A
Chr5	4649963	4650567	Chr5.1874	<i>Fzd1(+107951),Mterfb(+457898)</i>	N/A
Chr5	28124244	28124483	Chr5.18757	<i>En2(-41332),Insig1(+53001)</i>	N/A
Chr5	28165588	28165730	Chr5.18794	<i>En2(-37)</i>	N/A
Chr5	4661537	4661773	Chr5.1887	<i>Fzd1(+96561),Mterfb(+469288)</i>	N/A
Chr5	28209982	28210236	Chr5.18874	<i>Cnpy1(+59)</i>	N/A
Chr5	28254232	28254374	Chr5.18894	<i>Rbm33(-62886),Cnpy1(-44135)</i>	N/A
Chr5	28368371	28368550	Chr5.18946	<i>Rbm33(+51272),Shh(+98640)</i>	N/A
Chr5	4665408	4665676	Chr5.1905	<i>Fzd1(+52673),Mterfb(+473178)</i>	N/A
Chr5	28463253	28463425	Chr5.19097	<i>Shh(+3762),Rbm33(+146150)</i>	N/A
Chr5	28464305	28464416	Chr5.19100	<i>Shh(+2740),Rbm33(+147172)</i>	N/A
Chr5	28465106	28465208	Chr5.19101	<i>Shh(+1944),Rbm33(+147968)</i>	N/A
Chr5	28465438	28465561	Chr5.19103	<i>Shh(+1601),Rbm33(+148311)</i>	N/A
Chr5	28521260	28521391	Chr5.19136	<i>Rnf32(-874671),Shh(-54225)</i>	N/A
Chr5	28799576	28799736	Chr5.19279	<i>Rnf32(-396346),Shh(-332550)</i>	N/A
Chr5	28799860	28800030	Chr5.19282	<i>Rnf32(-396052),Shh(-332844)</i>	N/A
Chr5	4685530	4685759	Chr5.1937	<i>Fzd1(+72571),Mterfb(+493278)</i>	N/A
Chr5	28903653	28903963	Chr5.19370	<i>Shh(-436707),Rnf32(-292189)</i>	N/A
Chr5	28904050	28904241	Chr5.19376	<i>Shh(-437045),Rnf32(-291851)</i>	N/A
Chr5	28913585	28913882	Chr5.19385	<i>Shh(-446633),Rnf32(-282263)</i>	N/A
Chr5	29030600	29030679	Chr5.19458	<i>Shh(-563519),Rnf32(-163377)</i>	N/A
Chr5	29314871	29315001	Chr5.19647	<i>Shh(-847835),Lmb1(+63454),Rnf32(+118939)</i>	N/A
Chr5	4731895	4732058	Chr5.1970	<i>Fzd1(+26239),Mterfb(+539610)</i>	N/A
Chr5	29468249	29468416	Chr5.19762	<i>Mnx1(+10186),Nmi1(+33669)</i>	N/A
Chr5	29522801	29522960	Chr5.19851	<i>Ube3c(-46361),Mnx1(-44362)</i>	N/A
Chr5	29523080	29523206	Chr5.19854	<i>Ube3c(-46099),Mnx1(-44624)</i>	N/A
Chr5	47411736	47411881	Chr5.1990	<i>Fzd1(+16357),Mterfb(+56492)</i>	N/A
Chr5	29893499	29893627	Chr5.20051	<i>Il6(-119598),Dnab6(+157875)</i>	N/A
Chr5	30001165	30001287	Chr5.20082	<i>Il6(-11935),Dnab6(+265538)</i>	N/A
Chr5	30012923	30013215	Chr5.20100	<i>Il6(-92)</i>	N/A
Chr5	30106112	30106266	Chr5.20128	<i>311008324rk(-832)</i>	N/A
Chr5	30107409	30107409	Chr5.20130	<i>311008324rk(-1986)</i>	N/A
Chr5	4754384	4754820	Chr5.2030	<i>Fzd1(+3614),Mterfb(+562235)</i>	N/A
Chr5	30232400	30232519	Chr5.20443	<i>Selenol(-121)</i>	N/A
Chr5	30266898	30267083	Chr5.20490	<i>Drc1(-14397),Selenol(+34410)</i>	N/A
Chr5	30272264	30272447	Chr5.20517	<i>Drc1(-9032),Selenol(+39775)</i>	N/A
Chr5	4757943	4758155	Chr5.2062	<i>Fzd1(+167)</i>	N/A
Chr5	4758244	4758365	Chr5.2066	<i>Fzd1(-89)</i>	N/A
Chr5	30518201	30518367	Chr5.20906	<i>Cib4(+27552),1700001c02rk(+52225)</i>	N/A
Chr5	30526034	30526167	Chr5.20915	<i>Cib4(+19735),1700001c02rk(+60042)</i>	N/A
Chr5	30556319	30556488	Chr5.20933	<i>Kcnk3(-31766),Cib4(-10568)</i>	N/A
Chr5	30580835	30581003	Chr5.20950	<i>Cib4(-35083),Kcnk3(-7251)</i>	N/A
Chr5	30593328	30593695	Chr5.20973	<i>Slc35b6(-54321),Kcnk3(+5442)</i>	N/A
Chr5	30606511	30606646	Chr5.20989	<i>Slc35b6(-41354),Kcnk3(+18409)</i>	N/A
Chr5	30623438	30623540	Chr5.21018	<i>Slc35b6(-24444),Kcnk3(+35319)</i>	N/A
Chr5	30713841	30713947	Chr5.21109	<i>Mapre3(-100747),Dpyal5(+2330)</i>	N/A
Chr5	30738231	30738331	Chr5.21119	<i>Mapre3(-76360),Dpyal5(+26717)</i>	N/A
Chr5	30763323	30763505	Chr5.21139	<i>Mapre3(-51227),Dpyal5(+51850)</i>	N/A
Chr5	30775111	30775210	Chr5.21141	<i>Mapre3(-39480),Dpyal5(+53597)</i>	N/A
Chr5	4801410	4801882	Chr5.2116	<i>Fzd1(-43430),Cdk14(+578551)</i>	N/A
Chr5	30796982	30797169	Chr5.21211	<i>Mapre3(-17565),Dpyal5(+85512)</i>	N/A
Chr5	30814438	30814587	Chr5.21230	<i>Mapre3(-128)</i>	N/A
Chr5	30814623	30814806	Chr5.21234	<i>Mapre3(+74)</i>	N/A
Chr5	30816364	30816846	Chr5.21241	<i>Tmem214(-52873),Mapre3(+1965)</i>	N/A
Chr5	4803890	4804079	Chr5.2125	<i>Fzd1(-45769),Cdk14(+576212)</i>	N/A

Chr5	4806189	4806602	Chr5.2139	<i>Fzd1</i> (-48180), <i>Cdk14</i> (+573801)	N/A
Chr5	3088839	3088909	Chr5.21408	<i>Agb5</i> (-37)	N/A
Chr5	4811862	4812485	Chr5.2145	<i>Fzd1</i> (-53958), <i>Cdk14</i> (+508023)	N/A
Chr5	3090504	3090519	Chr5.21455	<i>Ost4</i> (+2687), <i>Agb5</i> (+16065)	N/A
Chr5	3090554	3090687	Chr5.21464	<i>Ost4</i> (+1107), <i>Agb5</i> (+17675)	N/A
Chr5	3090472	30909583	Chr5.21477	<i>Emilin1</i> (-3874), <i>Ost4</i> (-1740)	N/A
Chr5	30913171	30913480	Chr5.21482	<i>Emilin1</i> (-76)	N/A
Chr5	3376143	3376257	Chr5.216	<i>Fam1133b</i> (-167644), <i>Cdk6</i> (+32307)	N/A
Chr5	4821402	4821625	Chr5.2166	<i>Fzd1</i> (-63298), <i>Cdk14</i> (+558683)	N/A
Chr5	30954850	30955026	Chr5.21685	<i>Cgpr1</i> (-9458), <i>Prest</i> (+5392)	N/A
Chr5	4821871	4822006	Chr5.2169	<i>Fzd1</i> (-63723), <i>Cdk14</i> (+558258)	N/A
Chr5	4833995	4834448	Chr5.2181	<i>Fzd1</i> (-76006), <i>Cdk14</i> (+545975)	N/A
Chr5	4834810	4835283	Chr5.2186	<i>Fzd1</i> (-76831), <i>Cdk14</i> (+545150)	N/A
Chr5	31064085	31064244	Chr5.21906	<i>Cad</i> (+9385), <i>Slc30a3</i> (+29450)	N/A
Chr5	4843304	4843794	Chr5.2202	<i>Fzd1</i> (-85333), <i>Cdk14</i> (+538648)	N/A
Chr5	3380910	3381108	Chr5.221	<i>Fam1133b</i> (-162835), <i>Cdk6</i> (+37116)	N/A
Chr5	31104795	31104906	Chr5.22115	<i>Dnaic5g</i> (-3468)	N/A
Chr5	31116471	31116595	Chr5.22140	<i>Trim54</i> (-179)	N/A
Chr5	31147138	31147238	Chr5.22214	<i>Ucn</i> (-8359), <i>Mpv17</i> (+7063)	N/A
Chr5	31151889	31152043	Chr5.22219	<i>Ucn</i> (-13137), <i>Mpv17</i> (+2285)	N/A
Chr5	31156917	31157105	Chr5.22228	<i>Mpv17</i> (-2760)	N/A
Chr5	31157185	31157375	Chr5.22233	<i>Mpv17</i> (-3029)	N/A
Chr5	31179834	31179953	Chr5.22275	<i>Gtf3c2</i> (+250)	N/A
Chr5	31195148	31195328	Chr5.22328	<i>Elf2b4</i> (-2224), <i>Snx17</i> (+2011)	N/A
Chr5	31198824	31199136	Chr5.22354	<i>Zfp513</i> (-33323), <i>Snx17</i> (+5753)	N/A
Chr5	31202844	31202879	Chr5.22378	<i>Zfp513</i> (-459)	N/A
Chr5	31240804	31240922	Chr5.22419	<i>Nbp1</i> (-1), <i>Gm9970</i> (+369)	N/A
Chr5	31246368	31246685	Chr5.22442	<i>Gm9970</i> (-5295), <i>Krtcap3</i> (-5179)	N/A
Chr5	31251290	31251414	Chr5.22477	<i>Krtcap3</i> (-354)	N/A
Chr5	4870127	4870723	Chr5.2263	<i>Fzd1</i> (-112209), <i>Cdk14</i> (+509772)	N/A
Chr5	31252888	31253032	Chr5.22645	<i>Gckr</i> (-4625), <i>Ifi172</i> (-1842)	N/A
Chr5	31293067	31293171	Chr5.22646	<i>Gckr</i> (-4462), <i>Ifi172</i> (-2005)	N/A
Chr5	3386931	3387065	Chr5.227	<i>Fam1133b</i> (-156846), <i>Cdk6</i> (+43105)	N/A
Chr5	31562385	31562509	Chr5.22847	<i>Mip33</i> (-51492), <i>Slc4a1ap</i> (+35450)	N/A
Chr5	31568113	31568224	Chr5.22861	<i>Mip33</i> (-45770), <i>Slc4a1ap</i> (+41172)	N/A
Chr5	31571170	31571313	Chr5.22863	<i>Mip33</i> (-42697), <i>Slc4a1ap</i> (+44245)	N/A
Chr5	31576773	31576923	Chr5.22864	<i>Mip33</i> (-37091), <i>Slc4a1ap</i> (+68515)	N/A
Chr5	31589766	31590095	Chr5.22872	<i>Mip33</i> (-24008), <i>Slc4a1ap</i> (+62934)	N/A
Chr5	31606220	31606530	Chr5.22893	<i>Mip33</i> (-7564), <i>Slc4a1ap</i> (+79378)	N/A
Chr5	31630179	31630413	Chr5.22937	<i>Mip33</i> (+16357), <i>Rbks</i> (+67331)	N/A
Chr5	31635623	31635791	Chr5.22944	<i>Mip33</i> (+21768), <i>Rbks</i> (+61920)	N/A
Chr5	31636761	31637238	Chr5.22947	<i>Mip33</i> (+23061), <i>Rbks</i> (+60627)	N/A
Chr5	31638904	31639119	Chr5.22952	<i>Mip33</i> (+25073), <i>Rbks</i> (+58615)	N/A
Chr5	31697993	31698128	Chr5.23021	<i>Rbks</i> (-434), <i>Babam2</i> (+11)	N/A
Chr5	31698442	31698612	Chr5.23024	<i>Rbks</i> (-900), <i>Babam2</i> (+477)	N/A
Chr5	4893225	4893659	Chr5.2306	<i>Fzd1</i> (-135226), <i>Cdk14</i> (+486755)	N/A
Chr5	31793004	31793116	Chr5.23139	<i>Babam2</i> (+95011), <i>Gm10463</i> (+340107)	N/A
Chr5	31862756	31863044	Chr5.23225	<i>Babam2</i> (+164650), <i>Gm10463</i> (+270268)	N/A
Chr5	31876633	31876861	Chr5.23237	<i>Babam2</i> (+178697), <i>Gm10463</i> (+256421)	N/A
Chr5	31889458	31889644	Chr5.23250	<i>Babam2</i> (+191501), <i>Gm10463</i> (+243617)	N/A
Chr5	31889682	31889835	Chr5.23253	<i>Babam2</i> (+191709), <i>Gm10463</i> (+243409)	N/A
Chr5	31892676	31892822	Chr5.23261	<i>Babam2</i> (+194699), <i>Gm10463</i> (+240419)	N/A
Chr5	31916503	31916632	Chr5.23290	<i>Gm10463</i> (+216800), <i>Babam2</i> (+216518)	N/A
Chr5	31931215	31931388	Chr5.23317	<i>Gm10463</i> (+201676), <i>Babam2</i> (+23242)	N/A
Chr5	31934862	31935019	Chr5.23329	<i>Gm10463</i> (+198227), <i>Babam2</i> (+236891)	N/A
Chr5	31983922	31984201	Chr5.23389	<i>Gm10463</i> (+149106), <i>Babam2</i> (+286012)	N/A
Chr5	31984633	31984907	Chr5.23392	<i>Gm10463</i> (+148398), <i>Babam2</i> (+286720)	N/A
Chr5	32035981	32036166	Chr5.23452	<i>Gm10463</i> (+97094), <i>Babam2</i> (+338024)	N/A
Chr5	32059133	32059232	Chr5.23480	<i>Gm10463</i> (+73965), <i>Babam2</i> (+361133)	N/A
Chr5	32059486	32059707	Chr5.23484	<i>Gm10463</i> (+73571), <i>Babam2</i> (+361547)	N/A
Chr5	32066054	32066414	Chr5.23497	<i>Gm10463</i> (+66934), <i>Babam2</i> (+368184)	N/A
Chr5	32069518	32069886	Chr5.23505	<i>Gm10463</i> (+63416), <i>Babam2</i> (+371702)	N/A
Chr5	32078412	32078526	Chr5.23521	<i>Gm10463</i> (+54699), <i>Babam2</i> (+380419)	N/A
Chr5	32079085	32079380	Chr5.23523	<i>Gm10463</i> (+53935), <i>Babam2</i> (+381183)	N/A
Chr5	32080774	32080907	Chr5.23528	<i>Gm10463</i> (+52327), <i>Babam2</i> (+382791)	N/A
Chr5	32081051	32081150	Chr5.23532	<i>Gm10463</i> (+52067), <i>Babam2</i> (+383051)	N/A
Chr5	32084475	32084740	Chr5.23536	<i>Gm10463</i> (+48560), <i>Babam2</i> (+386558)	N/A
Chr5	32084873	32084973	Chr5.23540	<i>Gm10463</i> (+48245), <i>Babam2</i> (+386873)	N/A
Chr5	32100445	32100590	Chr5.23550	<i>Gm10463</i> (+32650), <i>Babam2</i> (+402468)	N/A
Chr5	32121226	32121370	Chr5.23565	<i>Gm10463</i> (+11870), <i>Babam2</i> (+423248)	N/A
Chr5	32122013	32122167	Chr5.23569	<i>Gm10463</i> (+11078), <i>Babam2</i> (+424040)	N/A
Chr5	32133041	32133181	Chr5.23576	<i>Fos2</i> (-3361), <i>Gm10463</i> (+57)	N/A
Chr5	32133631	32133731	Chr5.23580	<i>Fos2</i> (-2791), <i>Gm10463</i> (-513)	N/A
Chr5	32133907	32134132	Chr5.23581	<i>Fos2</i> (-2452), <i>Gm10463</i> (-852)	N/A
Chr5	32138438	32138711	Chr5.23585	<i>Pib1</i> (-94139), <i>Fos2</i> (+2107)	N/A
Chr5	32139517	32139755	Chr5.23589	<i>Pib1</i> (-93078), <i>Fos2</i> (+3164)	N/A
Chr5	32139834	32139961	Chr5.23592	<i>Pib1</i> (-92816), <i>Fos2</i> (+3426)	N/A
Chr5	32143229	32143469	Chr5.23599	<i>Pib1</i> (-89365), <i>Fos2</i> (+6877)	N/A
Chr5	32183323	32183513	Chr5.23656	<i>Pib1</i> (-49296), <i>Fos2</i> (+46946)	N/A
Chr5	32199208	32199321	Chr5.23682	<i>Pib1</i> (-33449), <i>Fos2</i> (+62793)	N/A
Chr5	32247930	32247436	Chr5.23687	<i>Ppp1cb</i> (-211591), <i>Pib1</i> (+14668)	N/A
Chr5	32252996	32253421	Chr5.23648	<i>Ppp1cb</i> (-12815), <i>Pib1</i> (+102645)	N/A
Chr5	32413318	32413449	Chr5.23934	<i>Ppp1cb</i> (-45590), <i>Pib1</i> (+180670)	N/A
Chr5	32614483	32614618	Chr5.24009	<i>Yes1</i> (+3380), <i>Pisid</i> (+171095)	N/A
Chr5	32614753	32615018	Chr5.24012	<i>Yes1</i> (+3715), <i>Pisid</i> (+170760)	N/A
Chr5	32712942	32713054	Chr5.24079	<i>Pisid</i> (+72648), <i>Yes1</i> (+101827)	N/A
Chr5	4990998	4991217	Chr5.2411	<i>Fzd1</i> (-323892), <i>Cdk14</i> (+389089)	N/A
Chr5	32851818	32852019	Chr5.24226	<i>Gm20671</i> (-24810), <i>Prr14</i> (+2337)	N/A
Chr5	32928004	32928141	Chr5.24296	<i>Ywhah</i> (-90743), <i>Depdc5</i> (+64339)	N/A
Chr5	33008606	33007002	Chr5.24411	<i>Ywhah</i> (-11912), <i>Depdc5</i> (+143170)	N/A
Chr5	33011297	33011411	Chr5.24418	<i>Ywhah</i> (-7462), <i>Depdc5</i> (+147620)	N/A
Chr5	3399976	3400485	Chr5.247	<i>Fam1133b</i> (-143813), <i>Cdk6</i> (+56338)	N/A
Chr5	33465557	33465788	Chr5.24791	<i>Nkx1-1</i> (-31696), <i>Fam53a</i> (+163956)	N/A
Chr5	33488237	33488428	Chr5.24806	<i>Nkx1-1</i> (-54357), <i>Fam53a</i> (+141289)	N/A
Chr5	33501987	33502175	Chr5.24815	<i>Nkx1-1</i> (-68105), <i>Fam53a</i> (+127541)	N/A
Chr5	33505879	33506004	Chr5.24821	<i>Nkx1-1</i> (-71966), <i>Fam53a</i> (+123680)	N/A
Chr5	33506184	33506390	Chr5.24826	<i>Nkx1-1</i> (-72311), <i>Fam53a</i> (+123335)	N/A
Chr5	33511686	33511803	Chr5.24830	<i>Nkx1-1</i> (-77759), <i>Fam53a</i> (+113887)	N/A
Chr5	33511850	33511961	Chr5.24832	<i>Nkx1-1</i> (-77930), <i>Fam53a</i> (+117716)	N/A
Chr5	33512152	33512323	Chr5.24834	<i>Nkx1-1</i> (-78262), <i>Fam53a</i> (+117384)	N/A
Chr5	33517529	33517730	Chr5.24839	<i>Nkx1-1</i> (-83654), <i>Fam53a</i> (+111992)	N/A
Chr5	33534505	33534686	Chr5.24860	<i>Nkx1-1</i> (-100620), <i>Fam53a</i> (+95026)	N/A
Chr5	33540105	33540578	Chr5.24862	<i>Nkx1-1</i> (-106369), <i>Fam53a</i> (+89280)	N/A
Chr5	33573391	33573511	Chr5.24862	<i>Nkx1-1</i> (-139476), <i>Fam53a</i> (+56171)	N/A
Chr5	5044538	5044655	Chr5.2497	<i>Fzd1</i> (-286381), <i>Cdk14</i> (+335600)	N/A
Chr5	3199008	3199112	Chr5.25	<i>Cdk6</i> (-144833)	N/A
Chr5	33689152	33689298	Chr5.25030	<i>Fgfr3</i> (-23566), <i>Tacc3</i> (+40097)	N/A
Chr5	33704306	33704459	Chr5.25033	<i>Fgfr3</i> (-17408), <i>Tacc3</i> (+46255)	N/A
Chr5	33705356	33705611	Chr5.25037	<i>Fgfr3</i> (-16307), <i>Tacc3</i> (+47356)	N/A
Chr5	33818251	33818380	Chr5.25209	<i>Nts2</i> (-2404)	N/A
Chr5	5111248	5111361	Chr5.2541	<i>Fzd1</i> (-353089), <i>Cdk14</i> (+268892)	N/A
Chr5	5112110	5112382	Chr5.2545	<i>Fzd1</i> (-354030), <i>Cdk14</i> (+267951)	N/A
Chr5	34170931	34171031	Chr5.25572	<i>Haus3</i> (-1536), <i>Poin</i> (-1533)	N/A
Chr5	34187896	34188096	Chr5.25601	<i>Mxd4</i> (-188)	N/A
Chr5	5180121	5180220	Chr5.2588	<i>Fzd1</i> (-421955), <i>Cdk14</i> (+200026)	N/A
Chr5	34909333	34909450	Chr5.26726	<i>Msantd1</i> (-6523), <i>Hm</i> (+147648)	N/A
Chr5	34917366	34917546	Chr5.26734	<i>Rgs12</i> (-31989), <i>Msantd1</i> (+1541)	N/A
Chr5	34931824	34931961	Chr5.26745	<i>Rgs12</i> (-17552), <i>Msantd1</i> (+15978)	N/A
Chr5	34989506	34989749	Chr5.26816	<i>Hgfac</i> (-51925), <i>Rgs12</i> (+40183)	N/A
Chr5	5265415	5265694	Chr5.2687	<i>Fzd1</i> (-507339), <i>Cdk14</i> (+114642)	N/A
Chr5	5265919	5266273	Chr5.2692	<i>Fzd1</i> (-507890), <i>Cdk14</i> (+114101)	N/A
Chr5	35407331	35407456	Chr5.27057	<i>Hmx1</i> (+18536), <i>Cpz</i> (+118304)	N/A
Chr5	35454428	35454576	Chr5.27074	<i>Hmx1</i> (+65644), <i>Cpz</i> (+71196)	N/A
Chr5	35466189	35466391	Chr5.27083	<i>Cpz</i> (+59408), <i>Hmx1</i> (+77432)	N/A
Chr5	35466539	35466868	Chr5.27088	<i>Cpz</i> (+59089), <i>Hmx1</i> (+77754)	N/A
Chr5	35478951	35479091	Chr5.27091	<i>Cpz</i> (+46877), <i>Hmx1</i> (+90163)	N/A
Chr5	35489054	35489251	Chr5.27094	<i>Cpz</i> (+36545), <i>Hmx1</i> (+100295)	N/A
Chr5	5300368	5300513	Chr5.2727	<i>Fzd1</i> (-542225), <i>Cdk14</i> (+79756)	N/A
Chr5	5320557	5320752	Chr5.2745	<i>Fzd1</i> (-562439), <i>Cdk14</i> (+59542)	N/A
Chr5	5320960	5321104	Chr5.2749	<i>Fzd1</i> (-562816), <i>Cdk14</i> (+59165)	N/A
Chr5	35957838	35957991	Chr5.27587	<i>Psap1</i> (-246108), <i>Alap</i> (+14596)	N/A
Chr5	5342406	5342549	Chr5.2765	<i>Fzd1</i> (-584262), <i>Cdk14</i> (+37719)	N/A
Chr5	5342890	5343108	Chr5.2768	<i>Fzd1</i> (-584783), <i>Cdk14</i> (+373198)	N/A
Chr5	5355113	5355227	Chr5.2776	<i>Fzd1</i> (-596954), <i>Cdk14</i> (+25027)	N/A
Chr5	36330778	36330820	Chr5.27818	<i>Sorcs2</i> (+67275), <i>Psap1</i> (+126828)	N/A
Chr5	36348179	36348297	Chr5.27820	<i>Sorcs2</i> (+49888), <i>Psap1</i> (+144217)	N/A
Chr5	36348533	36348731	Chr5		

Chr5	3691121	3691122	Chr5.28249	<i>Pop22c(+42659), Wfs1(+77810)</i>	N/A
Chr5	5381240	5381489	Chr5.2831	<i>Cdk14(-1168)</i>	N/A
Chr5	37769164	37769318	Chr5.28804	<i>Cytl1(+33722), Mx1(+53342)</i>	N/A
Chr5	37737191	37737328	Chr5.28815	<i>Mx1(+27324), Cytl1(+61740)</i>	N/A
Chr5	37820171	37820342	Chr5.28836	<i>Mx1(+4326), Cytl1(+84738)</i>	N/A
Chr5	37820490	37820638	Chr5.28840	<i>Mx1(+4019), Cytl1(+85045)</i>	N/A
Chr5	37822911	37823088	Chr5.28855	<i>Mx1(+1583), Cytl1(+87481)</i>	N/A
Chr5	5483657	5483877	Chr5.2888	<i>1700015171nk(-4624)</i>	N/A
Chr5	54838111	5484086	Chr5.2890	<i>1700015171nk(-4856)</i>	N/A
Chr5	37857872	37859007	Chr5.28901	<i>Stx18(-160802), Mx1(-133357)</i>	N/A
Chr5	37853648	37894023	Chr5.28915	<i>Stx18(-144906), Mx1(-49253)</i>	N/A
Chr5	37895562	37895713	Chr5.28922	<i>Stx18(-143104), Mx1(-71055)</i>	N/A
Chr5	37895624	37896020	Chr5.28926	<i>Stx18(-142820), Mx1(-71339)</i>	N/A
Chr5	37897037	37897199	Chr5.28931	<i>Stx18(-141624), Mx1(-72535)</i>	N/A
Chr5	37897806	37898019	Chr5.28936	<i>Stx18(-140929), Mx1(-73230)</i>	N/A
Chr5	37903596	37903785	Chr5.28953	<i>Stx18(-135056), Mx1(-79103)</i>	N/A
Chr5	37993114	37993440	Chr5.29024	<i>Mx1(-168894), Stx18(-45465)</i>	N/A
Chr5	38003118	38003271	Chr5.29037	<i>Mx1(-178612), Stx18(-35547)</i>	N/A
Chr5	38006846	38007049	Chr5.29039	<i>Mx1(-182365), Stx18(-31794)</i>	N/A
Chr5	38007087	38007193	Chr5.29042	<i>Mx1(-162557), Stx18(-31602)</i>	N/A
Chr5	38060035	38060200	Chr5.29085	<i>Stx18(-21376), Nag1(+99349)</i>	N/A
Chr5	38062415	38062589	Chr5.29103	<i>Stx18(+23760), Nag1(+96965)</i>	N/A
Chr5	38063207	38063475	Chr5.29107	<i>Stx18(+24599), Nag1(+96126)</i>	N/A
Chr5	38065371	38065851	Chr5.29113	<i>Stx18(+26869), Nag1(+93856)</i>	N/A
Chr5	38074873	38075160	Chr5.29124	<i>Stx18(+36275), Nag1(+84450)</i>	N/A
Chr5	38076778	38076966	Chr5.29130	<i>Stx18(+38130), Nag1(+62595)</i>	N/A
Chr5	38082872	38083278	Chr5.29133	<i>Stx18(+44533), Nag1(+75392)</i>	N/A
Chr5	38084016	38084284	Chr5.29138	<i>Stx18(+45408), Nag1(+75317)</i>	N/A
Chr5	38090416	38090723	Chr5.29148	<i>Stx18(+51828), Nag1(+68897)</i>	N/A
Chr5	38241025	38241133	Chr5.29314	<i>Trnm128(-19106), Lyr1(+20609)</i>	N/A
Chr5	39126558	39126746	Chr5.29896	<i>Clnk(-249951), Hs3at1(+628821)</i>	N/A
Chr5	39417929	39417776	Chr5.30031	<i>Clnk(-541010), Hs3at1(+337772)</i>	N/A
Chr5	39623773	39623900	Chr5.30142	<i>Clnk(-747144), Hs3at1(+131638)</i>	N/A
Chr5	39625288	39625427	Chr5.30148	<i>Clnk(-748665), Hs3at1(+130117)</i>	N/A
Chr5	41179407	41179573	Chr5.30843	<i>Rab28(+528665)</i>	N/A
Chr5	41185591	41185759	Chr5.30852	<i>Rab28(+522480)</i>	N/A
Chr5	41187305	41187523	Chr5.30858	<i>Rab28(+520741)</i>	N/A
Chr5	41187961	41188084	Chr5.30865	<i>Rab28(+520132)</i>	N/A
Chr5	41370286	41370619	Chr5.31029	<i>Rab28(+337702)</i>	N/A
Chr5	5693411	5693549	Chr5.3104	<i>Steap2(-10417), Steap1(+55846)</i>	N/A
Chr5	41392386	41392534	Chr5.31049	<i>Rab28(+315695)</i>	N/A
Chr5	41392876	41393085	Chr5.31055	<i>Rab28(+315714)</i>	N/A
Chr5	41419414	41419564	Chr5.31096	<i>Rab28(+288665)</i>	N/A
Chr5	41419674	41419913	Chr5.31102	<i>Rab28(+288361)</i>	N/A
Chr5	41556696	41556830	Chr5.31247	<i>Rab28(+151392)</i>	N/A
Chr5	41556935	41557090	Chr5.31253	<i>Rab28(+151142)</i>	N/A
Chr5	41562374	41562673	Chr5.31257	<i>Rab28(+148631)</i>	N/A
Chr5	41625572	41625746	Chr5.31300	<i>Rab28(+82496)</i>	N/A
Chr5	43088823	43088937	Chr5.32371	<i>Cpeb2(-144583)</i>	N/A
Chr5	43094490	43094788	Chr5.32377	<i>Cpeb2(-138824)</i>	N/A
Chr5	43232317	43232424	Chr5.32439	<i>Cpeb2(-1092)</i>	N/A
Chr5	43232882	43239125	Chr5.32521	<i>C1qtnf7(-186565), Gm7854(-93652)</i>	N/A
Chr5	43391200	43391304	Chr5.32575	<i>Gm7854(-155900), C1qtnf7(-124317)</i>	N/A
Chr5	43469204	43469125	Chr5.32593	<i>Gm7854(-233713), C1qtnf7(-46504)</i>	N/A
Chr5	43515641	43515924	Chr5.32631	<i>C1qtnf7(+214)</i>	N/A
Chr5	43585826	43586184	Chr5.32695	<i>Cc2d2a(-76374), C1qtnf7(+70436)</i>	N/A
Chr5	43645138	43645267	Chr5.32750	<i>Cc2d2a(-17176), C1qtnf7(+129634)</i>	N/A
Chr5	43662315	43662416	Chr5.32755	<i>Cc2d2a(-13)</i>	N/A
Chr5	44304457	44304499	Chr5.33257	<i>Tap11(-77919), Ldb2(+495182)</i>	N/A
Chr5	44494512	44494617	Chr5.33440	<i>Tap11(-267599), Ldb2(+305142)</i>	N/A
Chr5	44506312	44506461	Chr5.33467	<i>Tap11(-279781), Ldb2(+293320)</i>	N/A
Chr5	44538002	44538342	Chr5.33501	<i>Tap11(-311566), Ldb2(+261535)</i>	N/A
Chr5	44539077	44539222	Chr5.33504	<i>Tap11(-312544), Ldb2(+260557)</i>	N/A
Chr5	44582363	44582517	Chr5.33574	<i>Tap11(-355834), Ldb2(+217287)</i>	N/A
Chr5	44586868	44586919	Chr5.33579	<i>Tap11(-360188), Ldb2(+212913)</i>	N/A
Chr5	44612133	44612355	Chr5.33601	<i>Tap11(-365638), Ldb2(+187463)</i>	N/A
Chr5	44654578	44654739	Chr5.33666	<i>Tap11(-428053), Ldb2(+145048)</i>	N/A
Chr5	44665880	44666814	Chr5.33690	<i>Tap11(-442091), Ldb2(+131010)</i>	N/A
Chr5	44696647	44696777	Chr5.33728	<i>Tap11(-470106), Ldb2(+102995)</i>	N/A
Chr5	44713395	44713524	Chr5.33735	<i>Tap11(-486854), Ldb2(+86247)</i>	N/A
Chr5	44714359	44714460	Chr5.33738	<i>Tap11(-487804), Ldb2(+65297)</i>	N/A
Chr5	44729830	44730064	Chr5.33768	<i>Tap11(-503341), Ldb2(+69760)</i>	N/A
Chr5	44734459	44734569	Chr5.33771	<i>Tap11(-507908), Ldb2(+65193)</i>	N/A
Chr5	44734918	44735040	Chr5.33775	<i>Tap11(-508373), Ldb2(+64728)</i>	N/A
Chr5	44749429	44749661	Chr5.33785	<i>Tap11(-522939), Ldb2(+50162)</i>	N/A
Chr5	44750196	44750344	Chr5.33795	<i>Tap11(-523664), Ldb2(+49437)</i>	N/A
Chr5	44759801	44760001	Chr5.33822	<i>Tap11(-533295), Ldb2(+39806)</i>	N/A
Chr5	44794327	44794431	Chr5.33874	<i>Tap11(-567773), Ldb2(+5328)</i>	N/A
Chr5	44794618	44794738	Chr5.33877	<i>Tap11(-568072), Ldb2(+5029)</i>	N/A
Chr5	44798172	44798297	Chr5.33884	<i>Tap11(-571629), Ldb2(+1472)</i>	N/A
Chr5	44799909	44800079	Chr5.33900	<i>Ldb2(-287)</i>	N/A
Chr5	44800955	44801072	Chr5.33906	<i>Ldb2(-1307)</i>	N/A
Chr5	44801213	44801456	Chr5.33908	<i>Ldb2(-1628)</i>	N/A
Chr5	44864658	44864848	Chr5.33933	<i>49304311f12nk(-101830), Ldb2(-65046)</i>	N/A
Chr5	44872315	44872518	Chr5.33947	<i>49304311f12nk(-94166), Ldb2(-72710)</i>	N/A
Chr5	44917378	44917541	Chr5.33963	<i>Ldb2(-117753), 49304311f12nk(-49123)</i>	N/A
Chr5	44922538	44922671	Chr5.33969	<i>Ldb2(-122898), 49304311f12nk(-43978)</i>	N/A
Chr5	44922718	44922835	Chr5.33971	<i>Ldb2(-123070), 49304311f12nk(-43806)</i>	N/A
Chr5	44943231	44943496	Chr5.33982	<i>Ldb2(-143657), 49304311f12nk(-23219)</i>	N/A
Chr5	44975514	44975706	Chr5.33997	<i>49304311f12nk(+9027), D5Ertb615e(+193954)</i>	N/A
Chr5	44975747	44976006	Chr5.33999	<i>49304311f12nk(+9294), D5Ertb615e(+193687)</i>	N/A
Chr5	45062534	45062756	Chr5.34046	<i>49304311f12nk(+96062), D5Ertb615e(+106919)</i>	N/A
Chr5	45102060	45102312	Chr5.34063	<i>D5Ertb615e(+67378), 49304311f12nk(+135603)</i>	N/A
Chr5	45102819	45102985	Chr5.34069	<i>D5Ertb615e(+66662), 49304311f12nk(+136319)</i>	N/A
Chr5	45103215	45103392	Chr5.34074	<i>D5Ertb615e(+66260), 49304311f12nk(+136721)</i>	N/A
Chr5	45103940	45104352	Chr5.34079	<i>D5Ertb615e(+65418), 49304311f12nk(+137563)</i>	N/A
Chr5	45104978	45105105	Chr5.34082	<i>D5Ertb615e(+64522), 49304311f12nk(+138459)</i>	N/A
Chr5	45105144	45105271	Chr5.34084	<i>D5Ertb615e(+64358), 49304311f12nk(+138625)</i>	N/A
Chr5	45120373	45120570	Chr5.34097	<i>D5Ertb615e(+49092), 49304311f12nk(+153889)</i>	N/A
Chr5	45137205	45137318	Chr5.34116	<i>D5Ertb615e(+32302), 49304311f12nk(+170679)</i>	N/A
Chr5	45137372	45137506	Chr5.34117	<i>D5Ertb615e(+32125), 49304311f12nk(+170856)</i>	N/A
Chr5	45173519	45173763	Chr5.34138	<i>D5Ertb615e(-4077)</i>	N/A
Chr5	45256552	45256667	Chr5.34197	<i>D5Ertb615e(-87046), Qdpr(+193623)</i>	N/A
Chr5	45277848	45277948	Chr5.34211	<i>D5Ertb615e(-108334), Qdpr(+172337)</i>	N/A
Chr5	45284729	45284844	Chr5.34219	<i>D5Ertb615e(-115223), Qdpr(+165448)</i>	N/A
Chr5	45403271	45403408	Chr5.34278	<i>D5Ertb615e(-233776), Qdpr(+46895)</i>	N/A
Chr5	46114586	46114999	Chr5.34981	<i>Lcorl(-257294)</i>	N/A
Chr5	46367297	46367522	Chr5.35134	<i>Lcorl(-509911)</i>	N/A
Chr5	46387016	46387238	Chr5.35153	<i>Lcorl(-529628)</i>	N/A
Chr5	46445192	46445455	Chr5.35207	<i>Lcorl(-587825)</i>	N/A
Chr5	46445864	46445970	Chr5.35212	<i>Lcorl(-588418)</i>	N/A
Chr5	46666289	46666509	Chr5.35345	<i>Lcorl(-808900)</i>	N/A
Chr5	46732205	46732339	Chr5.35378	<i>Lcorl(-874773)</i>	N/A
Chr5	46740241	46740357	Chr5.35382	<i>Lcorl(-882800)</i>	N/A
Chr5	46741688	46741932	Chr5.35390	<i>Lcorl(-884311)</i>	N/A
Chr5	46758237	46758338	Chr5.35410	<i>Lcorl(-900789)</i>	N/A
Chr5	46790458	46790914	Chr5.35435	<i>Lcorl(-933187)</i>	N/A
Chr5	46794752	46795040	Chr5.35444	<i>Lcorl(-937397)</i>	N/A
Chr5	46824830	46824996	Chr5.35459	<i>Lcorl(-967414)</i>	N/A
Chr5	46962651	46962766	Chr5.35594	<i>Sliz2(-992094)</i>	N/A
Chr5	47262028	47262358	Chr5.35717	<i>Sliz2(-722600)</i>	N/A
Chr5	47273672	47273797	Chr5.35725	<i>Sliz2(-711058)</i>	N/A
Chr5	47429218	47429337	Chr5.35850	<i>Sliz2(-555515)</i>	N/A
Chr5	47429378	47429549	Chr5.35851	<i>Sliz2(-555329)</i>	N/A
Chr5	47429740	47429944	Chr5.35855	<i>Sliz2(-554951)</i>	N/A
Chr5	47436388	47436702	Chr5.35872	<i>Sliz2(-548248)</i>	N/A
Chr5	47472543	47472773	Chr5.35924	<i>Sliz2(-512135)</i>	N/A
Chr5	47557322	47557574	Chr5.36014	<i>Sliz2(-427345)</i>	N/A
Chr5	47773209	47773359	Chr5.36139	<i>Sliz2(-211509)</i>	N/A
Chr5	48003688	48004118	Chr5.36285	<i>Pacrgl(-368489), Sliz2(+19110)</i>	N/A
Chr5	48005555	48005794	Chr5.36295	<i>Pacrgl(-368717), Sliz2(+20862)</i>	N/A
Chr5	48058147	48058948	Chr5.36360	<i>Pacrgl(-313544), Sliz2(+74055)</i>	N/A
Chr5	48081614	48081752	Chr5.36396	<i>Pacrgl(-290709), Sliz2(+96890)</i>	N/A
Chr5	48138811	48139282	Chr5.36444	<i>Pacrgl(-233345), Sliz2(+154254)</i>	N/A
Chr5	48139569	48139749	Chr5.36450	<i>Pacrgl(-232733), Sliz2(+154866)</i>	N/A
Chr5	48146021	48146294	Chr5.36459	<i>Pacrgl(-226234), Sliz2(+161365)</i>	N/A
Chr5	48345643	48345800	Chr5.36809	<i>Pacrgl(-26670), Sliz2(+38929)</i>	N/A
Chr5	48598396	48599587	Chr5.36991	<i>Pacrgl(+227100), Kcnp4(+925412)</i>	N/A

Chr5	48889308	48889537	Chr5:37203	<i>Pacrgl(+517031),Kcnp4(+535481)</i>	N/A
Chr5	49285234	49285388	Chr5:37527	<i>Kcnp4(+239593),Pacrgl(+912919)</i>	N/A
Chr5	49285582	49285784	Chr5:37529	<i>Kcnp4(+239221),Pacrgl(+913291)</i>	N/A
Chr5	49854098	49854099	Chr5:37808	<i>Kcnp4(+329145),Adgra3(+204947)</i>	N/A
Chr5	50196525	50197044	Chr5:38161	<i>Adgra3(-137789)</i>	N/A
Chr5	50203007	50203296	Chr5:38175	<i>Adgra3(-144157)</i>	N/A
Chr5	50359730	50359934	Chr5:38355	<i>Adgra3(-300836)</i>	N/A
Chr5	50728270	50728412	Chr5:38812	<i>Adgra3(-669349),Pparg1a(+825580)</i>	N/A
Chr5	51040774	51041139	Chr5:39116	<i>Adgra3(-982061),Pparg1a(+512864)</i>	N/A
Chr5	51168335	51168625	Chr5:39223	<i>Pparg1a(+385441)</i>	N/A
Chr5	51412278	51412665	Chr5:39486	<i>Pparg1a(+141448)</i>	N/A
Chr5	3491230	3491479	Chr5:395	<i>Fam133b(-52489),Cdk6(+147462)</i>	N/A
Chr5	51532173	51532333	Chr5:39761	<i>Pparg1a(+21668)</i>	N/A
Chr5	51544287	51544414	Chr5:39814	<i>Pparg1a(+9570)</i>	N/A
Chr5	51551863	51552008	Chr5:39849	<i>Pparg1a(+1960)</i>	N/A
Chr5	51552172	51552454	Chr5:39853	<i>Pparg1a(+1608)</i>	N/A
Chr5	51552509	51552704	Chr5:39858	<i>Pparg1a(+1314)</i>	N/A
Chr5	51553359	51553507	Chr5:39867	<i>Pparg1a(+488)</i>	N/A
Chr5	51553843	51554042	Chr5:39869	<i>Pparg1a(-22)</i>	N/A
Chr5	51554071	51554243	Chr5:39871	<i>Pparg1a(-236)</i>	N/A
Chr5	51567745	51568055	Chr5:39922	<i>Pparg1a(+13979),Dhx15(+622619)</i>	N/A
Chr5	51568270	51568815	Chr5:39928	<i>Pparg1a(-14622),Dhx15(+621976)</i>	N/A
Chr5	51608119	51608486	Chr5:40039	<i>Pparg1a(-54382),Dhx15(+582216)</i>	N/A
Chr5	51726086	51726232	Chr5:40349	<i>Pparg1a(-172238),Dhx15(+464360)</i>	N/A
Chr5	51726426	51726586	Chr5:40352	<i>Pparg1a(-172585),Dhx15(+464013)</i>	N/A
Chr5	51727192	51727378	Chr5:40356	<i>Pparg1a(-173364),Dhx15(+653234)</i>	N/A
Chr5	51750677	51750785	Chr5:40387	<i>Pparg1a(-106810),Dhx15(+439788)</i>	N/A
Chr5	51794194	51794336	Chr5:40514	<i>Pparg1a(-240344),Dhx15(+396254)</i>	N/A
Chr5	51794612	51794825	Chr5:40520	<i>Pparg1a(-240789),Dhx15(+395800)</i>	N/A
Chr5	51849459	51849601	Chr5:40657	<i>Pparg1a(-295609),Dhx15(+340969)</i>	N/A
Chr5	51853719	51853920	Chr5:40672	<i>Pparg1a(-299699),Dhx15(+336699)</i>	N/A
Chr5	51899493	51899945	Chr5:40765	<i>Pparg1a(-345798),Dhx15(+290800)</i>	N/A
Chr5	51911319	51911439	Chr5:40830	<i>Pparg1a(-357458),Dhx15(+279149)</i>	N/A
Chr5	51990868	51991051	Chr5:40983	<i>Pparg1a(-437039),Dhx15(+199559)</i>	N/A
Chr5	51991136	51991362	Chr5:40987	<i>Pparg1a(-437328),Dhx15(+199270)</i>	N/A
Chr5	51991818	51991922	Chr5:40990	<i>Pparg1a(-437949),Dhx15(+198649)</i>	N/A
Chr5	52115166	52115485	Chr5:41241	<i>Pparg1a(-561405),Dhx15(+75193)</i>	N/A
Chr5	52115514	52115620	Chr5:41242	<i>Pparg1a(-561646),Dhx15(+74952)</i>	N/A
Chr5	52116031	52116134	Chr5:41244	<i>Pparg1a(-562162),Dhx15(+74436)</i>	N/A
Chr5	52125972	52126127	Chr5:41264	<i>Pparg1a(-572129),Dhx15(+64469)</i>	N/A
Chr5	52143243	52143426	Chr5:41280	<i>Pparg1a(-589414),Dhx15(+47184)</i>	N/A
Chr5	52216489	52216710	Chr5:41353	<i>Sod3(-147348),Dhx15(-26081)</i>	N/A
Chr5	52217799	52217942	Chr5:41358	<i>Sod3(-148076),Dhx15(-27352)</i>	N/A
Chr5	52234387	52234575	Chr5:41371	<i>Sod3(-129465),Dhx15(-43962)</i>	N/A
Chr5	52234659	52234869	Chr5:41373	<i>Sod3(-129182),Dhx15(-44245)</i>	N/A
Chr5	52242432	52242628	Chr5:41383	<i>Sod3(-121416),Dhx15(-52011)</i>	N/A
Chr5	52309653	52309817	Chr5:41430	<i>Dhx15(-119216),Sod3(-54211)</i>	N/A
Chr5	52391674	52391812	Chr5:41553	<i>Sod3(+27797),Ccdc149(+79800)</i>	N/A
Chr5	52478995	52478996	Chr5:41710	<i>Ccdc149(-5403),Lg2(+89357)</i>	N/A
Chr5	52477045	52477159	Chr5:41711	<i>Ccdc149(-5559),Lg2(+89201)</i>	N/A
Chr5	52495583	52495978	Chr5:41733	<i>Ccdc149(-24238),Lg2(+70522)</i>	N/A
Chr5	52515644	52515797	Chr5:41772	<i>Ccdc149(-44178),Lg2(+50582)</i>	N/A
Chr5	52564344	52564461	Chr5:41898	<i>Ccdc149(-92860),Lg2(+1900)</i>	N/A
Chr5	52618559	52618711	Chr5:41928	<i>Gm5866(+36315),Sapsec3(+51094)</i>	N/A
Chr5	52618765	52618871	Chr5:41928	<i>Gm5866(+36498),Sapsec3(+50911)</i>	N/A
Chr5	52618907	52619052	Chr5:41930	<i>Gm5866(+36660),Sapsec3(+50749)</i>	N/A
Chr5	52634289	52634563	Chr5:41934	<i>Sapsec3(+35303),Gm5866(+52106)</i>	N/A
Chr5	53212519	53212627	Chr5:42559	<i>Sei103(+879)</i>	N/A
Chr5	53236380	53236492	Chr5:42699	<i>Snm2(-30870),Sei103(-22984)</i>	N/A
Chr5	53258194	53259472	Chr5:42644	<i>Sei103(-44851),Snm20(+7773)</i>	N/A
Chr5	53275310	53275565	Chr5:42658	<i>Rbpj(-314777),Snm20(+8332)</i>	N/A
Chr5	53276468	53276606	Chr5:42666	<i>Rbpj(-313678),Snm20(+9431)</i>	N/A
Chr5	53276808	53276930	Chr5:42668	<i>Rbpj(-313346),Snm20(+9763)</i>	N/A
Chr5	53346913	53347125	Chr5:42706	<i>Rbpj(-243196),Snm20(+79913)</i>	N/A
Chr5	53376962	53377317	Chr5:42730	<i>Rbpj(-213075),Snm20(+10034)</i>	N/A
Chr5	53379671	53379793	Chr5:42739	<i>Rbpj(-210483),Snm20(+112626)</i>	N/A
Chr5	53450959	53451232	Chr5:42820	<i>Rbpj(-139119),Snm20(+183990)</i>	N/A
Chr5	53454773	53454885	Chr5:42826	<i>Rbpj(-135386),Snm20(+187723)</i>	N/A
Chr5	53470771	53470876	Chr5:42846	<i>Rbpj(-119391),Snm20(+203718)</i>	N/A
Chr5	53490722	53490975	Chr5:42861	<i>Rbpj(-99387),Snm20(+223742)</i>	N/A
Chr5	53497242	53497439	Chr5:42872	<i>Rbpj(-92874),Snm20(+232355)</i>	N/A
Chr5	53497894	53498008	Chr5:42878	<i>Rbpj(-92264),Snm20(+230845)</i>	N/A
Chr5	53523171	53523365	Chr5:42913	<i>Rbpj(-66947),Snm20(+256162)</i>	N/A
Chr5	53525663	53525929	Chr5:42917	<i>Rbpj(-64419),Snm20(+258690)</i>	N/A
Chr5	53526032	53526439	Chr5:42923	<i>Rbpj(-63971),Snm20(+259130)</i>	N/A
Chr5	53530007	53530120	Chr5:42932	<i>Rbpj(-60151),Snm20(+262958)</i>	N/A
Chr5	53535064	53535370	Chr5:42933	<i>Rbpj(-54998),Snm20(+268211)</i>	N/A
Chr5	53536735	53536945	Chr5:42934	<i>Rbpj(-53375),Snm20(+269734)</i>	N/A
Chr5	53547220	53547386	Chr5:42952	<i>Rbpj(-42912),Snm20(+280197)</i>	N/A
Chr5	53564307	53564534	Chr5:42961	<i>Rbpj(-25794),Snm20(+297315)</i>	N/A
Chr5	53565440	53565693	Chr5:42968	<i>Rbpj(-24655),Snm20(+296454)</i>	N/A
Chr5	53655933	53657004	Chr5:43058	<i>Cckar(-50765),Rbpj(-66704)</i>	N/A
Chr5	53948734	53948860	Chr5:43276	<i>Stm2(-49620),Tbc1d19(+139170)</i>	N/A
Chr5	54005214	54005383	Chr5:43329	<i>Stm2(-6882)</i>	N/A
Chr5	54181230	54181369	Chr5:43474	<i>Stm2(-182883)</i>	N/A
Chr5	54238881	54239051	Chr5:43564	<i>Stm2(+240549)</i>	N/A
Chr5	54264825	54264984	Chr5:43588	<i>Stm2(+266488)</i>	N/A
Chr5	54746963	54747151	Chr5:44089	<i>Stm2(+748640)</i>	N/A
Chr5	55137782	55137883	Chr5:44332	<i>None</i>	N/A
Chr5	55372711	55372904	Chr5:44450	<i>None</i>	N/A
Chr5	57200547	57200699	Chr5:45239	<i>Pcdh7(-517398)</i>	N/A
Chr5	57714162	57714301	Chr5:45501	<i>Pcdh7(-3789)</i>	N/A
Chr5	57714698	57714872	Chr5:45505	<i>Pcdh7(-3241)</i>	N/A
Chr5	57715324	57715457	Chr5:45508	<i>Pcdh7(-2630)</i>	N/A
Chr5	57715825	57715938	Chr5:45512	<i>Pcdh7(-2139)</i>	N/A
Chr5	57716529	57716749	Chr5:45516	<i>Pcdh7(-1382)</i>	N/A
Chr5	57718044	57718159	Chr5:45525	<i>Pcdh7(-981)</i>	N/A
Chr5	57718209	57718419	Chr5:45526	<i>Pcdh7(-293)</i>	N/A
Chr5	57780087	57780220	Chr5:45731	<i>Pcdh7(-62133)</i>	N/A
Chr5	57789955	57789078	Chr5:45765	<i>Pcdh7(+70996)</i>	N/A
Chr5	57821671	57821777	Chr5:45815	<i>Pcdh7(+103703)</i>	N/A
Chr5	57841385	57841560	Chr5:45857	<i>Pcdh7(+123452)</i>	N/A
Chr5	57868775	57868991	Chr5:45934	<i>Pcdh7(+150862)</i>	N/A
Chr5	57870926	57871067	Chr5:45944	<i>Pcdh7(+152976)</i>	N/A
Chr5	8298153	82982687	Chr5:4615	<i>Adam22(+69772),Gm21759(+118574)</i>	N/A
Chr5	58069476	58069639	Chr5:46266	<i>Pcdh7(+351537)</i>	N/A
Chr5	8567008	85671181	Chr5:4767	<i>Runds3b(+55857),Slc25a40(+144245)</i>	N/A
Chr5	61155931	61156157	Chr5:47706	<i>Gbp2(-652799)</i>	N/A
Chr5	62673055	62673177	Chr5:48495	<i>Arap2(+93062),Gbp2(+86470)</i>	N/A
Chr5	62690296	62690447	Chr5:48527	<i>Arap2(+75831),Gbp2(+861524)</i>	N/A
Chr5	62778768	62778925	Chr5:48613	<i>Dhd1(-34976),Arap2(-12649)</i>	N/A
Chr5	63132682	63132842	Chr5:48791	<i>Nwd2(-516689),Dhd1(+318939)</i>	N/A
Chr5	63133177	63133302	Chr5:48794	<i>Nwd2(-516211),Dhd1(+319417)</i>	N/A
Chr5	63872237	63872456	Chr5:49405	<i>061004Q01rk(+59852),Rel1(+196558)</i>	N/A
Chr5	63920293	63920461	Chr5:49443	<i>Rel1(+48528),061004Q01rk(+107888)</i>	N/A
Chr5	63957741	63957845	Chr5:49483	<i>Rel1(+11112),061004Q01rk(+145298)</i>	N/A
Chr5	63967686	63967801	Chr5:49490	<i>Rel1(+1161),061004Q01rk(+155249)</i>	N/A
Chr5	64160877	64161003	Chr5:49578	<i>Tbc1d1(+729)</i>	N/A
Chr5	64219778	64219910	Chr5:49627	<i>Klf3(-583679),Tbc1d1(+59633)</i>	N/A
Chr5	64259843	64260489	Chr5:49714	<i>Klf3(-505107),Tbc1d1(+138265)</i>	N/A
Chr5	64321798	64321906	Chr5:49730	<i>Klf3(-491671),Tbc1d1(+161641)</i>	N/A
Chr5	64344537	64344640	Chr5:49759	<i>Klf3(-458934),Tbc1d1(+184378)</i>	N/A
Chr5	64358928	64359165	Chr5:49779	<i>Klf3(-444476),Tbc1d1(+198836)</i>	N/A
Chr5	64364626	64364780	Chr5:49787	<i>Klf3(-438820),Tbc1d1(+204492)</i>	N/A
Chr5	64378988	64379144	Chr5:49800	<i>Klf3(-424457),Tbc1d1(+218855)</i>	N/A
Chr5	64383213	64383349	Chr5:49808	<i>Klf3(-422042),Tbc1d1(+223070)</i>	N/A
Chr5	64389442	64389630	Chr5:49812	<i>Klf3(-413967),Tbc1d1(+229325)</i>	N/A
Chr5	64423242	64423362	Chr5:49833	<i>Klf3(-380221),Tbc1d1(+263091)</i>	N/A
Chr5	64431763	64431885	Chr5:49845	<i>Klf3(-371699),Tbc1d1(+271613)</i>	N/A
Chr5	64438550	64438726	Chr5:49850	<i>Klf3(-364885),Tbc1d1(+278427)</i>	N/A
Chr5	64441641	64441751	Chr5:49856	<i>Klf3(-361827),Tbc1d1(+281485)</i>	N/A
Chr5	64500376	64500600	Chr5:49890	<i>Klf3(-303035),Tbc1d1(+340275)</i>	N/A
Chr5	64521619	64521803	Chr5:49910	<i>Klf3(-281812),Tbc1d1(+361500)</i>	N/A
Chr5	64521978	64522136	Chr5:49913	<i>Klf3(-281466),Tbc1d1(+361846)</i>	N/A
Chr5	64536689	64536889	Chr5:49924	<i>Klf3(-266684),Tbc1d1(+376628)</i>	N/A
Chr5	6456112	64566369	Chr5:49935	<i>Klf3(-237282),Tbc1d1(+460630)</i>	N/A
Chr5	64577911	64578077	Chr5:49952	<i>Klf3(-225529),Tbc1d1(+417785)</i>	N/A
Chr5	64579486	64579621	Chr5:49957	<i>Klf3(-223969),Tbc1d1(+419343)</i>	N/A

Chf5	64579712	64579853	Chf5.49960	Klf3(-223740),Tbc1d1(+419572)	N/A
Chf5	64580201	64580334	Chf5.49964	Klf3(-223255),Tbc1d1(+420057)	N/A
Chf5	64585010	64585709	Chf5.49969	Klf3(-217863),Tbc1d1(+425449)	N/A
Chf5	64590300	64590347	Chf5.49974	Klf3(-208384),Tbc1d1(+434926)	N/A
Chf5	64596138	64596319	Chf5.49977	Klf3(-207294),Tbc1d1(+436018)	N/A
Chf5	64598945	64599150	Chf5.49980	Klf3(-204475),Tbc1d1(+438837)	N/A
Chf5	64610383	64610499	Chf5.49989	Klf3(-193082),Tbc1d1(+502230)	N/A
Chf5	64610755	64610898	Chf5.49992	Klf3(-192696),Tbc1d1(+450616)	N/A
Chf5	64625149	64625313	Chf5.50005	Klf3(-178292),Tbc1d1(+465020)	N/A
Chf5	64648530	64648668	Chf5.50033	Klf3(-154924),Tbc1d1(+488388)	N/A
Chf5	64703519	64703665	Chf5.50077	Klf3(-99931),Tbc1d1(+543381)	N/A
Chf5	64704313	64704596	Chf5.50084	Klf3(-99068),Tbc1d1(+544244)	N/A
Chf5	64709266	64709566	Chf5.50091	Klf3(-94107),Tbc1d1(+549205)	N/A
Chf5	64714461	64714587	Chf5.50104	Klf3(-88999),Tbc1d1(+554313)	N/A
Chf5	64739628	64739628	Chf5.50117	Klf3(-63978),Tbc1d1(+579337)	N/A
Chf5	64739725	64739916	Chf5.50119	Klf3(-63702),Tbc1d1(+579610)	N/A
Chf5	64741403	64741505	Chf5.50123	Klf3(-62069),Tbc1d1(+581243)	N/A
Chf5	64746972	64747071	Chf5.50129	Klf3(-56501),Tbc1d1(+586811)	N/A
Chf5	64780827	64780991	Chf5.50143	Klf3(-22614),Tbc1d1(+620698)	N/A
Chf5	64802270	64802432	Chf5.50147	Klf3(-1172)	N/A
Chf5	64805104	64805203	Chf5.50155	Klf3(+1631),Tlr1(+127607)	N/A
Chf5	64805986	64806545	Chf5.50161	Klf3(+2743),Tlr1(+126495)	N/A
Chf5	64808245	64808402	Chf5.50169	Klf3(+4801),Tlr1(+124437)	N/A
Chf5	64809685	64809788	Chf5.50178	Klf3(+6214),Tlr1(+123024)	N/A
Chf5	64811593	64811753	Chf5.50181	Klf3(+8150),Tlr1(+121088)	N/A
Chf5	64812125	64812458	Chf5.50186	Klf3(+8769),Tlr1(+120469)	N/A
Chf5	64817466	64817645	Chf5.50201	Klf3(+14033),Tlr1(+115205)	N/A
Chf5	64831866	64832133	Chf5.50272	Klf3(+28477),Tlr1(+100761)	N/A
Chf5	64864828	64864975	Chf5.50284	Klf3(+61379),Tlr1(+67859)	N/A
Chf5	64926966	64992843	Chf5.50510	Fam114a1(+22699),Tmem156(+98785)	N/A
Chf5	65052489	65052615	Chf5.50616	Tmem156(-39003),Fam114a1(+82481)	N/A
Chf5	65130846	65130961	Chf5.50713	Klnl5(-327)	N/A
Chf5	65131008	65131190	Chf5.50717	Klnl5(-132)	N/A
Chf5	65199641	65199772	Chf5.50796	Wdr19(+11)	N/A
Chf5	65288075	65288249	Chf5.50958	Rfc1(+47508),Wdr19(+88466)	N/A
Chf5	65335572	65335678	Chf5.51013	Rfc1(+45)	N/A
Chf5	65348275	65348428	Chf5.51025	Klf3(-34)	N/A
Chf5	65367997	65368107	Chf5.51064	Klf3(+19666),Rpl9(-23328)	N/A
Chf5	65391331	65391455	Chf5.51191	Lias(-104),Rpl9(-13)	N/A
Chf5	65408205	65408304	Chf5.51228	Lias(+16758),Uggh(+27691)	N/A
Chf5	65434763	65434956	Chf5.51263	Uggh(+1086),Lias(+43363)	N/A
Chf5	65450121	65450441	Chf5.51292	Uggh(-14355),Smm14(+42770)	N/A
Chf5	65460986	654609190	Chf5.51299	Uggh(-50182),Smm14(+6913)	N/A
Chf5	65492811	65492910	Chf5.51305	Smm14(+150)	N/A
Chf5	65537834	65537970	Chf5.51315	Ube2k(+669)	N/A
Chf5	65538315	65538434	Chf5.51319	Ube2k(+1142),Pds5a(+159481)	N/A
Chf5	65610011	65610128	Chf5.51385	Ube2k(+72837),Pds5a(+87786)	N/A
Chf5	65762223	65762550	Chf5.51452	N4bp2(-1084)	N/A
Chf5	65765024	65765190	Chf5.51454	Rhoh(-8642),N4bp2(+1586)	N/A
Chf5	65786266	65786388	Chf5.51462	Rhoh(-77242),N4bp2(+22806)	N/A
Chf5	8911549	8911706	Chf5.5148	Abcb4(+17907),Crot(+85696)	N/A
Chf5	65854769	65854898	Chf5.51577	Rhoh(-8735),N4bp2(+91313)	N/A
Chf5	65929286	65929390	Chf5.51655	Chm9(-37789),Rhoh(+65769)	N/A
Chf5	66054464	66054572	Chf5.51800	913023023nk(-50233),Rbm47(+118599)	N/A
Chf5	66080989	66081123	Chf5.51821	913023023nk(-76771),Rbm47(+52061)	N/A
Chf5	66081532	66081684	Chf5.51826	913023023nk(-77323),Rbm47(+91509)	N/A
Chf5	66150510	66150690	Chf5.51866	913023023nk(-146315),Rbm47(+22517)	N/A
Chf5	66150979	66151190	Chf5.51870	913023023nk(-146800),Rbm47(+22032)	N/A
Chf5	66151624	66152026	Chf5.51875	913023023nk(-147690),Rbm47(+21142)	N/A
Chf5	66219915	66220210	Chf5.51900	Rbm47(+46946),Nsun7(+40062)	N/A
Chf5	66244459	66244636	Chf5.51905	Rbm47(-71431),Nsun7(-15577)	N/A
Chf5	66328060	66328180	Chf5.52034	Nsun7(+67995),Apbb2(+290708)	N/A
Chf5	66382655	66386447	Chf5.52102	Nsun7(+126226),Apbb2(+232477)	N/A
Chf5	66405740	66405848	Chf5.52142	Nsun7(+145666),Apbb2(+213035)	N/A
Chf5	66418173	66418318	Chf5.52150	Nsun7(+159120),Apbb2(+20568)	N/A
Chf5	66473731	66473841	Chf5.52228	Apbb2(+145042),Nsun7(+213661)	N/A
Chf5	66497104	66497297	Chf5.52245	Apbb2(+121627),Nsun7(+237076)	N/A
Chf5	66543497	66543626	Chf5.52294	Apbb2(+75266),Nsun7(+283437)	N/A
Chf5	66543780	66544085	Chf5.52297	Apbb2(+74895),Nsun7(+283808)	N/A
Chf5	66568316	66568443	Chf5.52317	Apbb2(+50446),Nsun7(+306255)	N/A
Chf5	66590094	66590287	Chf5.52327	Apbb2(+38547),Nsun7(+320056)	N/A
Chf5	66586221	66586379	Chf5.52329	Apbb2(+32528),Nsun7(+326175)	N/A
Chf5	66603845	66603977	Chf5.52343	Apbb2(+14917),Nsun7(+343786)	N/A
Chf5	66657219	66657371	Chf5.52391	Apbb2(-38467),Uchl1(-18803)	N/A
Chf5	66675864	66675968	Chf5.52395	Uchl1(-182)	N/A
Chf5	66676050	66676235	Chf5.52398	Uchl1(+45)	N/A
Chf5	66722140	66722257	Chf5.52438	Limch1(-23636),Uchl1(+46101)	N/A
Chf5	66723069	66723362	Chf5.52441	Limch1(-22619),Uchl1(+47118)	N/A
Chf5	66730994	66731159	Chf5.52459	Limch1(-14758),Uchl1(+54979)	N/A
Chf5	66751400	66751539	Chf5.52480	Limch1(+5635),Phox2b(+347831)	N/A
Chf5	66768171	66768303	Chf5.52499	Limch1(+22402),Phox2b(+331064)	N/A
Chf5	66772922	66773038	Chf5.52506	Limch1(+27145),Phox2b(+328321)	N/A
Chf5	66774885	66774998	Chf5.52511	Limch1(+29107),Phox2b(+324359)	N/A
Chf5	66786495	66786614	Chf5.52541	Limch1(+40720),Phox2b(+312746)	N/A
Chf5	66800137	66800501	Chf5.52557	Limch1(+54484),Phox2b(+298982)	N/A
Chf5	66809171	66809344	Chf5.52573	Limch1(+63423),Phox2b(+290043)	N/A
Chf5	66816165	66816308	Chf5.52584	Limch1(+70402),Phox2b(+283656)	N/A
Chf5	66816796	66816896	Chf5.52590	Limch1(+71011),Phox2b(+282455)	N/A
Chf5	66818518	66818774	Chf5.52599	Limch1(+72811),Phox2b(+280655)	N/A
Chf5	66834739	66834974	Chf5.52622	Limch1(+89022),Phox2b(+264444)	N/A
Chf5	66835480	66835669	Chf5.52632	Limch1(+89740),Phox2b(+263726)	N/A
Chf5	66835714	66835826	Chf5.52633	Limch1(+89939),Phox2b(+263531)	N/A
Chf5	66861451	66861598	Chf5.52663	Limch1(+115690),Phox2b(+215651)	N/A
Chf5	66862190	66862381	Chf5.52665	Limch1(+116451),Phox2b(+237015)	N/A
Chf5	66866113	66866256	Chf5.52668	Limch1(+120350),Phox2b(+233116)	N/A
Chf5	66873362	66875499	Chf5.52678	Limch1(+129596),Phox2b(+223870)	N/A
Chf5	66882086	66882274	Chf5.52684	Limch1(+136345),Phox2b(+217121)	N/A
Chf5	66882874	66882975	Chf5.52686	Limch1(+137090),Phox2b(+216376)	N/A
Chf5	66901210	66901419	Chf5.52722	Limch1(+155480),Phox2b(+197969)	N/A
Chf5	66906142	66906254	Chf5.52733	Limch1(+160363),Phox2b(+193103)	N/A
Chf5	66910086	66910237	Chf5.52738	Limch1(+164327),Phox2b(+189139)	N/A
Chf5	66918931	66919045	Chf5.52748	Limch1(+173153),Phox2b(+180313)	N/A
Chf5	66925647	66925823	Chf5.52750	Phox2b(+173566),Limch1(+179900)	N/A
Chf5	66936948	66936967	Chf5.52757	Phox2b(+162393),Limch1(+191073)	N/A
Chf5	66937498	66937673	Chf5.52763	Phox2b(+161715),Limch1(+191751)	N/A
Chf5	66947942	66948044	Chf5.52766	Phox2b(+151308),Limch1(+202158)	N/A
Chf5	66948077	66948244	Chf5.52768	Phox2b(+151140),Limch1(+202326)	N/A
Chf5	66968159	66968652	Chf5.52799	Phox2b(+130895),Limch1(+222571)	N/A
Chf5	66969570	66969692	Chf5.52812	Phox2b(+129670),Limch1(+223796)	N/A
Chf5	66979304	66979532	Chf5.52842	Phox2b(+119859),Limch1(+223663)	N/A
Chf5	66983873	66984067	Chf5.52857	Phox2b(+115331),Limch1(+238135)	N/A
Chf5	66992547	66992710	Chf5.52902	Phox2b(+106672),Limch1(+246794)	N/A
Chf5	66993120	66993422	Chf5.52908	Phox2b(+106030),Limch1(+247436)	N/A
Chf5	67036007	67036117	Chf5.52965	Phox2b(+63239),Limch1(+290227)	N/A
Chf5	67176773	67176935	Chf5.53222	Tmem33(-83711),Phox2b(-75553)	N/A
Chf5	67179334	67179659	Chf5.53230	Tmem33(-81068),Phox2b(-80196)	N/A
Chf5	67223569	67223731	Chf5.53329	Phox2b(-124349),Tmem33(-36915)	N/A
Chf5	67223805	67223967	Chf5.53330	Phox2b(-124585),Tmem33(-36679)	N/A
Chf5	67227585	67227731	Chf5.53336	Phox2b(-128357),Tmem33(-32907)	N/A
Chf5	67230345	67230770	Chf5.53346	Phox2b(-131257),Tmem33(-30007)	N/A
Chf5	67255831	67256056	Chf5.53374	Tmem33(-4621)	N/A
Chf5	67607033	67607228	Chf5.53750	Shisa3(-752)	N/A
Chf5	67633753	67634050	Chf5.53833	Shisa3(+26019),Atp8a1(+213530)	N/A
Chf5	9161603	9161769	Chf5.5386	Dmff1(+32)	N/A
Chf5	67646084	67646287	Chf5.53862	Shisa3(+38303),Atp8a1(+201246)	N/A
Chf5	67647167	67647298	Chf5.53870	Shisa3(+39349),Atp8a1(+200200)	N/A
Chf5	67655674	67655809	Chf5.53890	Shisa3(+47859),Atp8a1(+191690)	N/A
Chf5	67656792	67656936	Chf5.53895	Shisa3(+48981),Atp8a1(+190568)	N/A
Chf5	67662775	67663108	Chf5.53909	Shisa3(+55059),Atp8a1(+184490)	N/A
Chf5	67677211	67677441	Chf5.53939	Shisa3(+69443),Atp8a1(+170106)	N/A
Chf5	67677966	67678111	Chf5.53944	Shisa3(+70758),Atp8a1(+169393)	N/A
Chf5	67680543	67680743	Chf5.53961	Shisa3(+72760),Atp8a1(+166789)	N/A
Chf5	67685425	67685558	Chf5.53980	Shisa3(+77609),Atp8a1(+161140)	N/A
Chf5	67687281	67687419	Chf5.53982	Shisa3(+79467),Atp8a1(+160082)	N/A
Chf5	67691830	67691984	Chf5.53996	Shisa3(+84024),Atp8a1(+155525)	N/A
Chf5	67692127	67692256	Chf5.54000	Shisa3(+84309),Atp8a1(+155240)	N/A
Chf5	67693919	67693943	Chf5.54011	Shisa3(+85949),Atp8a1(+153601)	N/A
Chf5	67697267	67697443	Chf5.54019	Shisa3(+89472),Atp8a1(+150077)	N/A

Chf5	9266588	9266779	Chf5.5427	933018206rik(+552)	N/A
Chf5	70842325	70842519	Chf5.55255	Gabrg1(+195)	N/A
Chf5	71495582	71495596	Chf5.55559	Gabra2(-399790), Cox7b2(+52556)	N/A
Chf5	71604178	71604472	Chf5.55572	Cox7b2(-56120), Gabra(+53593)	N/A
Chf5	71701069	71701216	Chf5.55764	Gabrb1(+1211), Commdb(+467040)	N/A
Chf5	72148239	72148466	Chf5.56086	Commdb(+19830), Gabrb1(+448421)	N/A
Chf5	72148514	72149144	Chf5.56088	Commdb(+19354), Gabrb1(+448897)	N/A
Chf5	72269269	72269458	Chf5.56217	Commdb(+101181), Corin(+234844)	N/A
Chf5	72396496	72396638	Chf5.56425	Commdb(-238384), Corin(+107641)	N/A
Chf5	72412045	72412210	Chf5.56441	Commdb(-243945), Corin(+92390)	N/A
Chf5	72916601	72916804	Chf5.56858	Stain2(+2078), Gm10135(+57999)	N/A
Chf5	73156121	73156232	Chf5.57247	Fryll(+100411), Slc10a4(+149273)	N/A
Chf5	73163985	73164210	Chf5.57251	Fryll(+92490), Slc10a4(+157194)	N/A
Chf5	73168382	73168562	Chf5.57259	Fryll(+88116), Slc10a4(+161588)	N/A
Chf5	73254765	73254902	Chf5.57303	Fryll(-1754), Slc10a4(+247930)	N/A
Chf5	73256353	73256570	Chf5.57310	Fryll(-126), Fryll(-156)	N/A
Chf5	73256624	73256723	Chf5.57314	Fryll(-86), Fryll(-56)	N/A
Chf5	73279893	73279996	Chf5.57333	Fryll(-23327), Ocicl1(-12849)	N/A
Chf5	73490742	73490917	Chf5.57477	Dcun1d4(+9828), Lnc66(+141675)	N/A
Chf5	73492632	73492632	Chf5.57485	Dcun1d4(+11532), Lnc66(+139971)	N/A
Chf5	73557628	73558103	Chf5.57526	Lnc66(+74639), Dcun1d4(+78664)	N/A
Chf5	73705188	73705381	Chf5.57685	Spata18(+53905), Usp46(+363145)	N/A
Chf5	73750004	73750170	Chf5.57716	Spata18(+98707), Usp46(+318343)	N/A
Chf5	73752412	73752523	Chf5.57721	Spata18(+101088), Usp46(+315962)	N/A
Chf5	73754035	73754255	Chf5.57725	Spata18(+102765), Usp46(+314285)	N/A
Chf5	73757450	73757591	Chf5.57739	Spata18(+106141), Usp46(+310903)	N/A
Chf5	73782224	73782375	Chf5.57758	Spata18(+130920), Usp46(+286130)	N/A
Chf5	73782786	73783012	Chf5.57760	Spata18(+131519), Usp46(+285531)	N/A
Chf5	73787262	73787363	Chf5.57768	Spata18(+135933), Usp46(+281117)	N/A
Chf5	73796372	73796506	Chf5.57780	Spata18(+145059), Usp46(+271991)	N/A
Chf5	73803191	73803333	Chf5.57856	Usp46(+165169), Spata18(+251882)	N/A
Chf5	73870194	73870404	Chf5.57872	Usp46(+98131), Spata18(+158919)	N/A
Chf5	74064967	74065075	Chf5.57938	Usp46(+3409), Spata18(+413641)	N/A
Chf5	74066948	74067101	Chf5.57944	Usp46(+1405), Spata18(+415645)	N/A
Chf5	74093177	74093301	Chf5.57956	Ras111b(-102057), Usp46(-24809)	N/A
Chf5	74093520	74093647	Chf5.57960	Ras111b(-101712), Usp46(-25154)	N/A
Chf5	74129803	74130037	Chf5.57963	Ras111b(-65376), Usp46(+41490)	N/A
Chf5	74132796	74132934	Chf5.57970	Usp46(-64435), Ras111b(-62431)	N/A
Chf5	74161536	74161724	Chf5.57990	Usp46(-93200), Ras111b(-33666)	N/A
Chf5	74161882	74161995	Chf5.57997	Usp46(-93509), Ras111b(-33357)	N/A
Chf5	74162064	74162187	Chf5.58000	Usp46(-93696), Ras111b(-33170)	N/A
Chf5	74173235	74173635	Chf5.58003	Usp46(-105005), Ras111b(-21861)	N/A
Chf5	74175691	74175808	Chf5.58011	Usp46(-107319), Ras111b(-19547)	N/A
Chf5	74215127	74215230	Chf5.58101	Ras111b(+19883), Sclt2(+316563)	N/A
Chf5	74218878	74219126	Chf5.58106	Ras111b(+23706), Sclt2(+312740)	N/A
Chf5	74240390	74240521	Chf5.58128	Ras111b(+45160), Sclt2(+291286)	N/A
Chf5	74260756	74260879	Chf5.58151	Ras111b(+65522), Sclt2(+270924)	N/A
Chf5	74267890	74267828	Chf5.58188	Ras111b(+72463), Sclt2(+263363)	N/A
Chf5	74286038	74286144	Chf5.58187	Ras111b(+90795), Sclt2(+245651)	N/A
Chf5	74300112	74300415	Chf5.58204	Ras111b(+104968), Sclt2(+231478)	N/A
Chf5	74305582	74305939	Chf5.58212	Ras111b(+110465), Sclt2(+225981)	N/A
Chf5	74307350	74307490	Chf5.58225	Ras111b(+112124), Sclt2(+224322)	N/A
Chf5	74314526	74314689	Chf5.58236	Ras111b(+119370), Sclt2(+217136)	N/A
Chf5	74321092	74321279	Chf5.58250	Ras111b(+125890), Sclt2(+210556)	N/A
Chf5	74333748	74333857	Chf5.58266	Ras111b(+138507), Sclt2(+197939)	N/A
Chf5	74335100	74335275	Chf5.58270	Ras111b(+139892), Sclt2(+196554)	N/A
Chf5	74366504	74366636	Chf5.58332	Sclt2(+165172), Ras111b(+171274)	N/A
Chf5	74389810	74389803	Chf5.58360	Sclt2(+142755), Ras111b(+193691)	N/A
Chf5	74391414	74391658	Chf5.58367	Sclt2(+140206), Ras111b(+196240)	N/A
Chf5	74394602	74394717	Chf5.58371	Sclt2(+137058), Ras111b(+193664)	N/A
Chf5	74402004	74402140	Chf5.58388	Sclt2(+129670), Ras111b(+206776)	N/A
Chf5	74412107	74412214	Chf5.58393	Sclt2(+119581), Ras111b(+216865)	N/A
Chf5	74412247	74412491	Chf5.58396	Sclt2(+119373), Ras111b(+217073)	N/A
Chf5	74450851	74450961	Chf5.58452	Sclt2(+80836), Ras111b(+255810)	N/A
Chf5	74451836	74451798	Chf5.58459	Sclt2(+80025), Ras111b(+256421)	N/A
Chf5	74482904	74483015	Chf5.58490	Sclt2(+48782), Ras111b(+287664)	N/A
Chf5	74593199	74593380	Chf5.58596	Fip11(+57808), Lnx1(+92497)	N/A
Chf5	74613815	74613995	Chf5.58645	Lnx1(+71882), Fip11(+78423)	N/A
Chf5	74618126	74618261	Chf5.58651	Lnx1(+67593), Fip11(+82712)	N/A
Chf5	74618610	74618634	Chf5.58656	Lnx1(+67065), Fip11(+63249)	N/A
Chf5	74633593	74633725	Chf5.58706	Lnx1(+65128), Fip11(+59817)	N/A
Chf5	74642248	74642353	Chf5.58712	Lnx1(+43486), Fip11(+106819)	N/A
Chf5	74647997	74648149	Chf5.58721	Lnx1(+37714), Fip11(+112591)	N/A
Chf5	74661876	74661988	Chf5.58738	Lnx1(+23855), Fip11(+126450)	N/A
Chf5	74662733	74662919	Chf5.58742	Lnx1(+22962), Fip11(+127343)	N/A
Chf5	74677499	74677599	Chf5.58752	Lnx1(+64238), Fip11(+142067)	N/A
Chf5	74677812	74677988	Chf5.58759	Lnx1(+7887), Fip11(+142418)	N/A
Chf5	74707286	74707440	Chf5.58810	Lnx1(-21576), Chic2(+337411)	N/A
Chf5	74720951	74721101	Chf5.58837	Lnx1(-35239), Chic2(+323748)	N/A
Chf5	74734240	74734397	Chf5.58844	Lnx1(-48532), Chic2(+310455)	N/A
Chf5	74738379	74738499	Chf5.58851	Lnx1(-52652), Chic2(+306333)	N/A
Chf5	74769228	74769355	Chf5.58871	Lnx1(-64505), Chic2(+275462)	N/A
Chf5	74839711	74839867	Chf5.58931	Lnx1(-154002), Chic2(+204985)	N/A
Chf5	74840224	74840340	Chf5.58937	Lnx1(-154495), Chic2(+204492)	N/A
Chf5	74847925	74848144	Chf5.58947	Lnx1(-162248), Chic2(+196739)	N/A
Chf5	74874730	74874829	Chf5.58966	Lnx1(-168993), Chic2(+169994)	N/A
Chf5	74877728	74877865	Chf5.58974	Lnx1(-162010), Chic2(+168977)	N/A
Chf5	74880902	74881052	Chf5.58979	Lnx1(-195190), Chic2(+163797)	N/A
Chf5	74897199	74897440	Chf5.58999	Lnx1(-211533), Chic2(+147454)	N/A
Chf5	74967019	74967202	Chf5.59048	Lnx1(-281324), Chic2(+77663)	N/A
Chf5	74974945	74975178	Chf5.59054	Lnx1(-289275), Chic2(+69712)	N/A
Chf5	74980029	74980149	Chf5.59060	Lnx1(-294302), Chic2(+64685)	N/A
Chf5	74980253	74980499	Chf5.59062	Lnx1(-294549), Chic2(+64390)	N/A
Chf5	74990084	74990190	Chf5.59081	Lnx1(-313350), Chic2(+45637)	N/A
Chf5	75010070	75010265	Chf5.59105	Lnx1(-324381), Chic2(+34606)	N/A
Chf5	75010756	75011550	Chf5.59111	Lnx1(-326366), Chic2(+33621)	N/A
Chf5	75043267	75043403	Chf5.59135	Lnx1(-357548), Chic2(+1439)	N/A
Chf5	75070289	75070400	Chf5.59145	Chic2(+25571), Gsx2(-5256)	N/A
Chf5	75071027	75071291	Chf5.59150	Gsx2(-4442)	N/A
Chf5	75075510	75075648	Chf5.59166	Gsx2(-22)	N/A
Chf5	7510167	7510350	Chf5.59239	Pdgfra(-5907), Gsx2(+74658)	N/A
Chf5	75107026	75108863	Chf5.59244	Pdgfra(-5371), Gsx2(+75194)	N/A
Chf5	75152202	75152464	Chf5.59251	Pdgfra(-3833)	N/A
Chf5	75155024	75155152	Chf5.59267	Pdgfra(-1078)	N/A
Chf5	75184243	75184360	Chf5.59300	Kil(-390653), Pdgfra(+28136)	N/A
Chf5	75199816	75200013	Chf5.59458	Kil(-375040), Pdgfra(+43749)	N/A
Chf5	75222818	75222924	Chf5.59470	Kil(-352084), Pdgfra(+66705)	N/A
Chf5	75336555	75336741	Chf5.59593	Kil(-238307), Pdgfra(+180482)	N/A
Chf5	75405004	75405231	Chf5.59664	Kil(-168637), Pdgfra(+248952)	N/A
Chf5	75450253	75450363	Chf5.59694	Kil(-124671), Pdgfra(+294142)	N/A
Chf5	9725087	9725642	Chf5.5970	Gm3(-13)	N/A
Chf5	75454390	75454538	Chf5.59706	Kil(-120491), Pdgfra(+298298)	N/A
Chf5	9726127	9726308	Chf5.5980	Gm3(-866)	N/A
Chf5	75591864	75591923	Chf5.59827	Kil(-16839), Kdr(+386664)	N/A
Chf5	75699563	75699678	Chf5.60059	Kil(-124666), Kdr(+278837)	N/A
Chf5	75730741	75730872	Chf5.60094	Kil(-155852), Kdr(+247651)	N/A
Chf5	75739461	75739597	Chf5.60110	Kil(+164574), Kdr(+238929)	N/A
Chf5	75762557	75762744	Chf5.60162	Kil(+187696), Kdr(+215807)	N/A
Chf5	75835018	75835120	Chf5.60223	Kdr(+143389), Kil(+260114)	N/A
Chf5	75835236	75835394	Chf5.60226	Kdr(+143143), Kil(+260360)	N/A
Chf5	75835722	75835827	Chf5.60230	Kdr(+142683), Kil(+260360)	N/A
Chf5	75835895	75836096	Chf5.60233	Kdr(+142462), Kil(+261041)	N/A
Chf5	75879904	75880119	Chf5.60259	Kdr(+98446), Kil(+305057)	N/A
Chf5	75880192	75880293	Chf5.60262	Kdr(+98215), Kil(+305288)	N/A
Chf5	75896712	75896982	Chf5.60291	Kdr(+81611), Kil(+321892)	N/A
Chf5	75907326	75907584	Chf5.60297	Kdr(+81013), Kil(+322490)	N/A
Chf5	75900829	75901160	Chf5.60305	Kdr(+77463), Kil(+326040)	N/A
Chf5	75922101	75922224	Chf5.60343	Kdr(+56295), Kil(+347208)	N/A
Chf5	75933286	75933393	Chf5.60360	Kdr(+45118), Kil(+358385)	N/A
Chf5	75933627	75933840	Chf5.60361	Kdr(+44724), Kil(+358779)	N/A
Chf5	75939427	75939536	Chf5.60394	Kdr(+38975), Kil(+364528)	N/A
Chf5	75976778	75976856	Chf5.60572	Kdr(+1691), Kil(+401812)	N/A
Chf5	76023409	76023568	Chf5.60629	Srd5a3(-116782), Kdr(+45031)	N/A
Chf5	76040517	76040671	Chf5.60644	Srd5a3(-99677), Kdr(-62136)	N/A
Chf5	76044072	76044226	Chf5.60652	Srd5a3(-96122), Kdr(-65691)	N/A
Chf5	76063615	76063894	Chf5.60686	Kdr(-85297), Srd5a3(-76516)	N/A
Chf5	76066055	76066256	Chf5.60693	Kdr(-97898), Srd5a3(-74115)	N/A
Chf5	76067396	76067496	Chf5.60704	Kdr(-86988), Srd5a3(-72825)	N/A

Chf5	76216312	76216564	Chf5.60855	Tmem165(+32558),Clock(+88110)	N/A
Chf5	76697583	76697752	Chf5.61284	C530008m1Trnk(-142931),Gm10430(+41156)	N/A
Chf5	76719496	76719608	Chf5.61302	C530008m1Trnk(-121052),Gm10430(+63035)	N/A
Chf5	76748546	76748672	Chf5.61311	C530008m1Trnk(-91980),Gm10430(+92097)	N/A
Chf5	76762444	76762606	Chf5.61321	C530008m1Trnk(-78074),Gm10430(+106013)	N/A
Chf5	76782725	76782884	Chf5.61346	C530008m1Trnk(-57794),Gm10430(+126293)	N/A
Chf5	76828820	76828956	Chf5.61375	C530008m1Trnk(-11711),Gm10430(+172376)	N/A
Chf5	76928190	76928662	Chf5.61599	Aasdh(-22912),Palcs(-22881)	N/A
Chf5	77097616	77097740	Chf5.61768	Hoxp(+17483),Theg(-21655)	N/A
Chf5	77114889	77115004	Chf5.61778	Hoxp(+514)	N/A
Chf5	11971082	11971216	Chf5.6179	Sema3d(-412017),4933402n22nk(+53106)	N/A
Chf5	77122400	77122512	Chf5.61791	Hoxp(-7295),Spink2(+89015)	N/A
Chf5	77122645	77122806	Chf5.61796	Hoxp(-7565),Spink2(+88745)	N/A
Chf5	77244659	77244782	Chf5.61843	Spink2(-33250),Rest(-20770)	N/A
Chf5	77266558	77266675	Chf5.61849	Rest(+1126),Nes1(+43467)	N/A
Chf5	77380481	77380725	Chf5.62090	Igfbp7(-27442),Polr2b(+70456)	N/A
Chf5	77387297	77387448	Chf5.62083	Igfbp7(+20672),Polr2b(+77226)	N/A
Chf5	77399212	77399354	Chf5.62098	Igfbp7(+8762),Polr2b(+89136)	N/A
Chf5	77433616	77433722	Chf5.62141	Igfbp7(-25624)	N/A
Chf5	77502522	77502770	Chf5.62216	Igfbp7(-94601)	N/A
Chf5	77546379	77546533	Chf5.62272	Igfbp7(-138411)	N/A
Chf5	77580034	77580299	Chf5.62317	Igfbp7(-172122)	N/A
Chf5	77581778	77581878	Chf5.62320	Igfbp7(-173783)	N/A
Chf5	77762721	77762871	Chf5.62510	Igfbp7(-354751)	N/A
Chf5	77803787	77804046	Chf5.62570	Igfbp7(-395871)	N/A
Chf5	77816847	77817092	Chf5.62589	Igfbp7(-408925)	N/A
Chf5	77832161	77832474	Chf5.62611	Igfbp7(-424273)	N/A
Chf5	77838333	77838451	Chf5.62629	Igfbp7(-430347)	N/A
Chf5	12107100	12107214	Chf5.6285	Sema3d(-276009),4933402n22nk(+189114)	N/A
Chf5	12116489	12116755	Chf5.6295	Sema3d(-266544),4933402n22nk(+198579)	N/A
Chf5	12139072	12139306	Chf5.6321	Sema3d(-243977),4933402n22nk(+221146)	N/A
Chf5	12189901	12190073	Chf5.6338	Sema3d(-153179),4933402n22nk(+271944)	N/A
Chf5	80784002	80784155	Chf5.64165	Adgrl3(-525946)	N/A
Chf5	81021251	81021366	Chf5.64334	Adgrl3(-288716)	N/A
Chf5	81022922	81023140	Chf5.64345	Adgrl3(-286994)	N/A
Chf5	81024006	81024166	Chf5.64349	Adgrl3(-285939)	N/A
Chf5	81061535	81061644	Chf5.64402	Adgrl3(-246435)	N/A
Chf5	81068980	81069134	Chf5.64422	Adgrl3(-240968)	N/A
Chf5	81189185	81189299	Chf5.64588	Adgrl3(-120783)	N/A
Chf5	81218604	81218931	Chf5.64605	Adgrl3(-91257)	N/A
Chf5	12383249	12383424	Chf5.6482	Sema3d(+1771)	N/A
Chf5	81519049	81519337	Chf5.64889	Adgrl3(-209168)	N/A
Chf5	81614593	81614708	Chf5.65001	Adgrl3(-204626)	N/A
Chf5	82091849	82092004	Chf5.65559	Adgrl3(-781902)	N/A
Chf5	12468043	12468210	Chf5.6557	Sema3d(+84961),Gm10108(+653638)	N/A
Chf5	82288592	82288808	Chf5.65652	Adgrl3(+97867)	N/A
Chf5	12533911	12534115	Chf5.6654	Sema3d(+150847),Gm10108(+587753)	N/A
Chf5	12560016	12560165	Chf5.6674	Sema3d(+176925),Gm10108(+561675)	N/A
Chf5	12579763	12580114	Chf5.6718	Sema3d(+196773),Gm10108(+541827)	N/A
Chf5	12583404	12583745	Chf5.6735	Sema3d(+200409),Gm10108(+538191)	N/A
Chf5	12583955	12584109	Chf5.6742	Sema3d(+200866),Gm10108(+537734)	N/A
Chf5	85937723	85937826	Chf5.67544	Cenpf1(+127808)	N/A
Chf5	12634136	12634316	Chf5.6775	Sema3d(+251060),Gm10108(+487540)	N/A
Chf5	12637744	12637910	Chf5.6786	Sema3d(+254661),Gm10108(+483959)	N/A
Chf5	12638879	12639047	Chf5.6790	Sema3d(+255797),Gm10108(+482803)	N/A
Chf5	12751693	12751796	Chf5.6887	Sema3d(+368579),Gm10108(+370021)	N/A
Chf5	12810006	12810108	Chf5.6908	Gm10108(+311709),Sema3d(+426891)	N/A
Chf5	88561850	88561994	Chf5.69416	Rufy3(-21652),Up3(+7439)	N/A
Chf5	88563495	88563595	Chf5.69422	Rufy3(-34)	N/A
Chf5	88564126	88564324	Chf5.69426	Rufy3(+651)	N/A
Chf5	88711719	88711868	Chf5.69559	Graf1(-35623),Mob1b(-9077)	N/A
Chf5	12914487	12914700	Chf5.6971	Gm10108(+207172),Sema3d(+531428)	N/A
Chf5	88887899	88888133	Chf5.69753	Slc4a4(+717)	N/A
Chf5	12914484	12915115	Chf5.6977	Gm10108(+206778),Sema3d(+531824)	N/A
Chf5	88929814	88930184	Chf5.69796	Slc4a4(-42700),Gc(+527899)	N/A
Chf5	12915220	12915347	Chf5.6980	Gm10108(+206482),Sema3d(+532118)	N/A
Chf5	88930313	88930428	Chf5.69805	Slc4a4(+43072),Gc(+527527)	N/A
Chf5	88933579	88933842	Chf5.69811	Slc4a4(+46412),Gc(+524187)	N/A
Chf5	88933881	88934011	Chf5.69814	Slc4a4(+46647),Gc(+523952)	N/A
Chf5	88934056	88934247	Chf5.69817	Slc4a4(+46653),Gc(+523746)	N/A
Chf5	88934495	88934623	Chf5.69820	Slc4a4(+47253),Gc(+523344)	N/A
Chf5	88935994	88936108	Chf5.69831	Slc4a4(+48752),Gc(+521847)	N/A
Chf5	88939340	88939502	Chf5.69846	Slc4a4(+52122),Gc(+518477)	N/A
Chf5	88959110	88959250	Chf5.69886	Slc4a4(+71881),Gc(+498718)	N/A
Chf5	88959662	88959876	Chf5.69888	Slc4a4(+72470),Gc(+498129)	N/A
Chf5	88964627	88964811	Chf5.69949	Slc4a4(+107420),Gc(+463179)	N/A
Chf5	89135558	89136064	Chf5.70162	Slc4a4(+248662),Gc(+321937)	N/A
Chf5	12974232	12974364	Chf5.7023	Gm10108(+147468),Sema3d(+591132)	N/A
Chf5	89763588	89764078	Chf5.70646	Adamts3(+119501),Ngfr2(+236404)	N/A
Chf5	13033428	13033549	Chf5.7070	Gm10108(+88277),Sema3d(+650323)	N/A
Chf5	89844406	89844691	Chf5.70722	Adamts3(+38755),Ngfr2(+317126)	N/A
Chf5	13032600	13032740	Chf5.7073	Gm10108(+68096),Sema3d(+650504)	N/A
Chf5	89881501	89881674	Chf5.70764	Adamts3(+1746),Ngfr2(+354159)	N/A
Chf5	89882253	89882370	Chf5.70770	Adamts3(+1022),Ngfr2(+354883)	N/A
Chf5	89883022	89883200	Chf5.70775	Adamts3(+223)	N/A
Chf5	89942406	89942588	Chf5.70853	Adamts3(-59163),Cox18(+281475)	N/A
Chf5	90033217	90033429	Chf5.70890	Adamts3(-150019),Cox18(+190619)	N/A
Chf5	90119114	90119319	Chf5.70923	Adamts3(-235883),Cox18(+104755)	N/A
Chf5	90271306	90271517	Chf5.71038	Cox18(-47440),Ankrd17(+94773)	N/A
Chf5	13067403	13067509	Chf5.7107	Gm10108(+54310),Sema3d(+684290)	N/A
Chf5	90339236	90339374	Chf5.71090	Cox18(-115333),Ankrd17(+26880)	N/A
Chf5	90339562	90339630	Chf5.71092	Cox18(-115774),Ankrd17(+26439)	N/A
Chf5	90340018	90340141	Chf5.71093	Cox18(-116108),Ankrd17(-26105)	N/A
Chf5	90364684	90364785	Chf5.71097	Gm9958(-2469),Ankrd17(+1450)	N/A
Chf5	90367592	90367704	Chf5.71105	Ankrd17(-1463),Gm9958(+444)	N/A
Chf5	13109637	13109754	Chf5.7126	Gm10108(+12070),Sema3d(+726530)	N/A
Chf5	13124902	13125047	Chf5.7149	Gm10108(-3209)	N/A
Chf5	13125121	13125442	Chf5.7152	Gm10108(-3516)	N/A
Chf5	90932819	90932966	Chf5.71538	Eggn(-94571),Mthd2(+1697)	N/A
Chf5	13125474	13125720	Chf5.7156	Gm10108(-3831)	N/A
Chf5	13125752	13126136	Chf5.7160	Gm10108(-4178)	N/A
Chf5	13126333	13126736	Chf5.7167	Gm10108(-4769)	N/A
Chf5	13127010	13127162	Chf5.7172	Sema3d(-22223),Gm10108(-5320)	N/A
Chf5	13127225	13127538	Chf5.7176	Sema3d(-271927),Gm10108(-5616)	N/A
Chf5	91708186	91708428	Chf5.72044	Parm1(+190692),Rchy1(+254761)	N/A
Chf5	91722994	91723346	Chf5.72054	Parm1(+205555),Rchy1(+239898)	N/A
Chf5	91723428	91723538	Chf5.72058	Parm1(+205868),Rchy1(+239585)	N/A
Chf5	91818819	91819070	Chf5.72102	Rchy1(+144123),Parm1(+301330)	N/A
Chf5	91963671	91963790	Chf5.72141	Rchy1(-683)	N/A
Chf5	92062977	92063091	Chf5.72270	G3bp2(+523)	N/A
Chf5	92083443	92083579	Chf5.72274	G3bp2(+46)	N/A
Chf5	92083670	92083979	Chf5.72276	G3bp2(-268)	N/A
Chf5	92137320	92137460	Chf5.72292	Uso1(-548)	N/A
Chf5	13158025	13158151	Chf5.7232	Sema3d(-241221),Gm10108(-36322)	N/A
Chf5	92371432	92371650	Chf5.72578	Cxcl10(-22659),Nup54(+63678)	N/A
Chf5	13199787	13199914	Chf5.7263	Sema3d(-199458),Gm10108(-78085)	N/A
Chf5	92433803	92433919	Chf5.72660	Cxcl10(-84979),Nup54(+1358)	N/A
Chf5	92434209	92434308	Chf5.72662	Nup54(+960)	N/A
Chf5	92599129	92599237	Chf5.72743	Stbd1(-3868)	N/A
Chf5	92663127	92663267	Chf5.72852	Shroom3(-238)	N/A
Chf5	92694656	92694936	Chf5.72884	Shroom3(+15251),Sowahb(+346326)	N/A
Chf5	92706676	92706797	Chf5.72897	Shroom3(+23302),Sowahb(+338285)	N/A
Chf5	92711837	92712040	Chf5.72902	Shroom3(+28504),Sowahb(+333083)	N/A
Chf5	92723475	92723666	Chf5.72910	Shroom3(+40136),Sowahb(+321451)	N/A
Chf5	92767903	92768003	Chf5.72924	Shroom3(+84518),Sowahb(+277069)	N/A
Chf5	92808617	92808735	Chf5.72969	Shroom3(+125241),Sowahb(+236346)	N/A
Chf5	92809255	92809394	Chf5.72972	Shroom3(+125890),Sowahb(+235697)	N/A
Chf5	92813086	92813204	Chf5.72978	Shroom3(+129710),Sowahb(+231877)	N/A
Chf5	92843976	92844229	Chf5.73013	Shroom3(+160668),Sowahb(+200919)	N/A
Chf5	92856354	92856474	Chf5.73022	Shroom3(+172979),Sowahb(+188608)	N/A
Chf5	92860575	928605324	Chf5.73046	Sowahb(+179822),Shroom3(+181765)	N/A
Chf5	92894004	92894506	Chf5.73084	Sowahb(+145567),Shroom3(+216029)	N/A
Chf5	92905591	92905842	Chf5.73093	Sowahb(+139305),Shroom3(+222282)	N/A
Chf5	13263230	13263500	Chf5.7321	Gm10108(-141599),Sema3d(-135944)	N/A
Chf5	93005585	93005741	Chf5.73247	Sowahb(+39359),Shroom3(+322228)	N/A
Chf5	93046145	93046250	Chf5.73301	Sowahb(-178)	N/A
Chf5	93063440	93063507	Chf5.73309	Sept11(+1967),Ccn1(+111071)	N/A
Chf5	93101518	93101636	Chf5.73317	Sept11(+8120),Ccn1(+104918)	N/A

Chf5	93126701	93126865	Chf5.73338	Sept11(+33326),Ccn1(+79712)	N/A
Chf5	93129591	93129709	Chf5.73349	Sept11(+36193),Ccn1(+76845)	N/A
Chf5	93130186	93130357	Chf5.73354	Sept11(+36815),Ccn1(+76223)	N/A
Chf5	93136625	93136801	Chf5.73369	Sept11(+43256),Ccn1(+69782)	N/A
Chf5	93145152	93145272	Chf5.73381	Sept11(+51755),Ccn1(+61283)	N/A
Chf5	93150728	93150885	Chf5.73394	Ccn1(+55688),Sept11(+57350)	N/A
Chf5	93151075	93151279	Chf5.73396	Ccn1(+55318),Sept11(+57720)	N/A
Chf5	93171085	93171258	Chf5.73439	Ccn1(+35323),Sept11(+77715)	N/A
Chf5	93267046	93267155	Chf5.73517	Cng2(+158)	N/A
Chf5	93267208	93267314	Chf5.73522	Cng2(+3)	N/A
Chf5	93267466	93267576	Chf5.73525	Cng2(+264)	N/A
Chf5	93270214	93270314	Chf5.73533	Cng2(+3007),Gm16427(+215082)	N/A
Chf5	93282704	93282806	Chf5.73559	Cng2(+15498),Gm16427(+202591)	N/A
Chf5	96162569	96162673	Chf5.73761	Cnolb(-868)	N/A
Chf5	96176362	96176477	Chf5.73769	Mapk1(-33073),Gm2840(+2480)	N/A
Chf5	96386630	96386857	Chf5.73922	Anxa3(-406641),Fras1(+12789)	N/A
Chf5	13318870	13319090	Chf5.73983	Gm10108(-197214),Sema3a(-80329)	N/A
Chf5	96395467	96395585	Chf5.73930	Anxa3(-397859),Fras1(+21571)	N/A
Chf5	96416906	96417099	Chf5.73956	Anxa3(-376382),Fras1(+43048)	N/A
Chf5	13327417	13327629	Chf5.7397	Gm10108(-205757),Sema3a(-71786)	N/A
Chf5	96457564	96457764	Chf5.74012	Anxa3(-335721),Fras1(+83709)	N/A
Chf5	96463394	96463544	Chf5.74028	Anxa3(-329916),Fras1(+89514)	N/A
Chf5	96521381	96521660	Chf5.74141	Anxa3(-271864),Fras1(+147566)	N/A
Chf5	13467550	13469332	Chf5.7428	Gm10108(-225075),Sema3a(-52468)	N/A
Chf5	96607171	96607381	Chf5.74341	Anxa3(-188109),Fras1(+233321)	N/A
Chf5	13350881	13351044	Chf5.7438	Gm10108(-229197),Sema3a(-48346)	N/A
Chf5	13351787	13352058	Chf5.7443	Gm10108(-230157),Sema3a(-47386)	N/A
Chf5	96643558	96643748	Chf5.74435	Anxa3(-149732),Fras1(+269696)	N/A
Chf5	96675892	96676787	Chf5.74547	Anxa3(-114695),Fras1(+304735)	N/A
Chf5	13388970	13389254	Chf5.7488	Gm10108(-267348),Sema3a(-10197)	N/A
Chf5	96896269	96896430	Chf5.75005	Bmp2k(-99326),Anxa3(+104978)	N/A
Chf5	96900032	96900285	Chf5.75010	Bmp2k(-91530),Anxa3(+112774)	N/A
Chf5	96911683	96911783	Chf5.75016	Bmp2k(-85956),Anxa3(+118348)	N/A
Chf5	96911815	96912051	Chf5.75018	Bmp2k(-85756),Anxa3(+118548)	N/A
Chf5	96917085	96917200	Chf5.75025	Bmp2k(-80546),Anxa3(+123758)	N/A
Chf5	96917665	96918160	Chf5.75029	Bmp2k(-79776),Anxa3(+124528)	N/A
Chf5	96980162	96980344	Chf5.75069	Bmp2k(-17436),Anxa3(+186686)	N/A
Chf5	96995909	96996105	Chf5.75083	Bmp2k(-1682)	N/A
Chf5	97077739	97077867	Chf5.75155	Paqr3(+33770),Bmp2k(+80114)	N/A
Chf5	97090299	97090451	Chf5.75206	Paqr3(+21198),Bmp2k(+92686)	N/A
Chf5	13398602	13398885	Chf5.7524	Sema3a(-565)	N/A
Chf5	97154818	97155005	Chf5.75262	Paqr3(-43359),Naa11(+237418)	N/A
Chf5	13399185	13399435	Chf5.7530	Sema3a(+1)	N/A
Chf5	13400477	13400718	Chf5.7538	Speer3(-391021),Sema3a(+1289)	N/A
Chf5	97277121	97277243	Chf5.75463	Paqr3(-165609),Naa11(+115148)	N/A
Chf5	97278315	97278604	Chf5.75468	Paqr3(-166887),Naa11(+113870)	N/A
Chf5	97289384	97289761	Chf5.75478	Paqr3(-184794),Naa11(+102757)	N/A
Chf5	13402267	13402662	Chf5.7548	Speer3(-389144),Sema3a(+3156)	N/A
Chf5	13402736	13402916	Chf5.7553	Speer3(-388793),Sema3a(+3517)	N/A
Chf5	13411426	13411982	Chf5.7563	Speer3(-379915),Sema3a(+12395)	N/A
Chf5	97554440	97554697	Chf5.75823	Gk2(-97561),Antxr2(+476164)	N/A
Chf5	13421329	13421727	Chf5.7585	Speer3(-370091),Sema3a(+22219)	N/A
Chf5	97641654	97641950	Chf5.75923	Gk2(-184794),Antxr2(+388931)	N/A
Chf5	97881429	97881542	Chf5.76129	Gk2(-424478),Antxr2(+140247)	N/A
Chf5	97935071	97935482	Chf5.76212	Gk2(-478269),Antxr2(+95456)	N/A
Chf5	97953247	97953390	Chf5.76247	Gk2(-496311),Antxr2(+77414)	N/A
Chf5	97980646	97980785	Chf5.76298	Gk2(-523708),Antxr2(+50017)	N/A
Chf5	98028481	98028803	Chf5.76328	Gk2(-571634),Antxr2(+2091)	N/A
Chf5	98029220	98029393	Chf5.76334	Gk2(-572259),Antxr2(+1428)	N/A
Chf5	13468967	13469182	Chf5.7638	Speer3(-322534),Sema3a(+69776)	N/A
Chf5	98168723	98168886	Chf5.76422	Antxr2(-138072),Prdm8(-12064)	N/A
Chf5	13469505	13469665	Chf5.7643	Speer3(-322034),Sema3a(+70276)	N/A
Chf5	13470433	13470433	Chf5.7645	Speer3(-321404),Sema3a(+70906)	N/A
Chf5	98181567	98181736	Chf5.76456	Prdm8(-783)	N/A
Chf5	13470677	13470780	Chf5.7651	Speer3(-320890),Sema3a(+71420)	N/A
Chf5	13471267	13471402	Chf5.7656	Speer3(-320284),Sema3a(+72026)	N/A
Chf5	98283901	98284063	Chf5.76630	Cfap299(-45372),Fgf5(+29798)	N/A
Chf5	98293363	98293525	Chf5.76649	Cfap299(-35910),Fgf5(+39260)	N/A
Chf5	98306486	98306796	Chf5.76664	Cfap299(-22733),Fgf5(+52437)	N/A
Chf5	98419441	98419768	Chf5.76741	Gm1111(+136960),Cfap299(+87251)	N/A
Chf5	13476537	13476686	Chf5.7677	Speer3(-315007),Sema3a(+77303)	N/A
Chf5	98566001	98566717	Chf5.76851	1700010h22nk(+103)	N/A
Chf5	98566772	98566981	Chf5.76853	1700010h22nk(-115)	N/A
Chf5	98575361	98575462	Chf5.76868	Bmp3(-279027),1700010h22nk(-8650)	N/A
Chf5	98702432	98702597	Chf5.76962	Bmp3(-151924),1700010h22nk(-135753)	N/A
Chf5	98702913	98703035	Chf5.76969	Bmp3(-151485),1700010h22nk(-36212)	N/A
Chf5	98787634	98788008	Chf5.77012	1700010h22nk(-221059),Bmp3(-66618)	N/A
Chf5	98856077	98856296	Chf5.77078	Bmp3(+1748),Prkg2(+181164)	N/A
Chf5	98856493	98856621	Chf5.77086	Bmp3(+2118),Prkg2(+180794)	N/A
Chf5	98857121	98857317	Chf5.77089	Bmp3(+2780),Prkg2(+180132)	N/A
Chf5	98857359	98857510	Chf5.77092	Bmp3(+2996),Prkg2(+179916)	N/A
Chf5	98857557	98857877	Chf5.77097	Bmp3(+3428),Prkg2(+179494)	N/A
Chf5	98876196	98876590	Chf5.77147	Bmp3(+21954),Prkg2(+160958)	N/A
Chf5	99165852	99165988	Chf5.77402	Prkg2(-128569),Rasgef1b(+87007)	N/A
Chf5	99174817	99175008	Chf5.77410	Prkg2(-137562),Rasgef1b(+78014)	N/A
Chf5	99218086	99218198	Chf5.77450	Prkg2(-180791),Rasgef1b(+34785)	N/A
Chf5	99218353	99218609	Chf5.77452	Prkg2(-181130),Rasgef1b(+34446)	N/A
Chf5	99237534	99237682	Chf5.77490	Prkg2(-200257),Rasgef1b(+15319)	N/A
Chf5	99246910	99247241	Chf5.77522	Prkg2(-209725),Rasgef1b(+5851)	N/A
Chf5	99274109	99274443	Chf5.77546	Rasgef1b(-21349),A930011g23nk(+454769)	N/A
Chf5	99280556	99280759	Chf5.77557	Rasgef1b(-27731),A930011g23nk(+448387)	N/A
Chf5	99305127	99305372	Chf5.77578	Rasgef1b(-92323),A930011g23nk(+423795)	N/A
Chf5	13525544	13525680	Chf5.7759	Speer3(-265907),Sema3a(+1254907)	N/A
Chf5	99328913	99329014	Chf5.77592	Rasgef1b(-76037),A930011g23nk(+400081)	N/A
Chf5	99339941	99340060	Chf5.77601	Rasgef1b(-87074),A930011g23nk(+389044)	N/A
Chf5	99363177	99363326	Chf5.77624	Rasgef1b(-110325),A930011g23nk(+365793)	N/A
Chf5	13527087	13527293	Chf5.7765	Speer3(-264429),Sema3a(+127881)	N/A
Chf5	99380433	99380433	Chf5.77654	Rasgef1b(-127421),A930011g23nk(+348697)	N/A
Chf5	13529168	13529663	Chf5.7769	Speer3(-262203),Sema3a(+130107)	N/A
Chf5	99438644	99438792	Chf5.77733	Rasgef1b(-185791),A930011g23nk(+290327)	N/A
Chf5	99438822	99438924	Chf5.77736	Rasgef1b(-185946),A930011g23nk(+290172)	N/A
Chf5	99479253	99479435	Chf5.77775	Rasgef1b(-226417),A930011g23nk(+249701)	N/A
Chf5	99521472	99521711	Chf5.77815	Rasgef1b(-268665),A930011g23nk(+207453)	N/A
Chf5	13547595	13547752	Chf5.7784	Speer3(-243945),Sema3a(+148355)	N/A
Chf5	99598132	99598342	Chf5.77887	Rasgef1b(-345310),A930011g23nk(+130808)	N/A
Chf5	99613556	99613762	Chf5.77906	Rasgef1b(-360732),A930011g23nk(+115386)	N/A
Chf5	99648005	99648716	Chf5.77931	Rasgef1b(-395734),A930011g23nk(+80384)	N/A
Chf5	13549591	13549696	Chf5.7795	Speer3(-241975),Sema3a(+150335)	N/A
Chf5	99715258	99715613	Chf5.78014	Nkx6-1(+239089),Gpat3(+580007)	N/A
Chf5	99848798	99848915	Chf5.78120	A930011g23nk(-119812),Hmnpd(-120081)	N/A
Chf5	99975892	99976030	Chf5.78212	493052408nk(-3100),Hmnpd(+2977)	N/A
Chf5	99976431	99976824	Chf5.78217	493052408nk(-2433),Hmnpd(+2310)	N/A
Chf5	99977588	99977690	Chf5.78223	493052408nk(-1422),Hmnpd(+1299)	N/A
Chf5	99978086	99978200	Chf5.78226	493052408nk(-918),Hmnpd(+795)	N/A
Chf5	99978755	99978983	Chf5.78232	493052408nk(-192),Hmnpd(+69)	N/A
Chf5	100079596	100079721	Chf5.78308	Enoph1(+39665),Tmem150c(+80149)	N/A
Chf5	100209275	100209375	Chf5.78375	Gm9932(+12714),Sec31a(+206909)	N/A
Chf5	100258579	100258800	Chf5.78408	Gm9932(+62079),Sec31a(+157544)	N/A
Chf5	100498041	100498217	Chf5.78650	Lin54(+449)	N/A
Chf5	100498293	100498393	Chf5.78652	Lin54(+235)	N/A
Chf5	10049486	10049590	Chf5.78653	Lin54(+40)	N/A
Chf5	100751615	100751770	Chf5.78805	Hpse(-31977),Helg(+46905)	N/A
Chf5	100951735	100951936	Chf5.79022	Gpat3(+105708),Nkx6-1(+713390)	N/A
Chf5	101246667	101246795	Chf5.79383	Gpat3(+400601),Nkx6-1(+418495)	N/A
Chf5	101425953	101426321	Chf5.79537	Nkx6-1(+239089),Gpat3(+580007)	N/A
Chf5	13628844	13628972	Chf5.7956	Speer3(-162711),Sema3a(+226599)	N/A
Chf5	13629033	13629149	Chf5.7958	Speer3(-162528),Sema3a(+229782)	N/A
Chf5	101558429	101558999	Chf5.79731	Nkx6-1(+106512),Gpat3(+712584)	N/A
Chf5	10176668	101766846	Chf5.79973	Cds1(+1687),Wdfy3(+303104)	N/A
Chf5	101834231	101834420	Chf5.80042	Cds1(+69196),Wdfy3(+235595)	N/A
Chf5	101966178	101966285	Chf5.80351	Wdfy3(+102689),Cds1(+201102)	N/A
Chf5	102072084	102072332	Chf5.80383	Wdfy3(-2287)	N/A
Chf5	102110113	102110289	Chf5.80400	Arhgap24(-371190),Wdfy3(-40280)	N/A
Chf5	102481371	102481537	Chf5.80524	Arhgap24(+63)	N/A
Chf5	14001613	14001724	Chf5.8060	Sema3a(-23648),Speer3(+210050)	N/A
Chf5	102629392	102629603	Chf5.80634	Arhgap24(+148102),Mapk10(+381841)	N/A
Chf5	102665079	102665356	Chf5.80651	Arhgap24(+183827),Mapk10(+546116)	N/A
Chf5	102667031	102667182	Chf5.80655	Arhgap24(-185716),Mapk10(+544227)	N/A

Chr5	102719609	102719793	Chr5.80691	<i>Airgap24(+238310),Mapk10(+491633)</i>	N/A
Chr5	102724952	102725266	Chr5.80703	<i>Airgap24(+243718),Mapk10(+486225)</i>	N/A
Chr5	102736105	102736503	Chr5.80714	<i>Airgap24(+254913),Mapk10(+475030)</i>	N/A
Chr5	102783081	102783811	Chr5.80760	<i>Airgap24(+302369),Mapk10(+427574)</i>	N/A
Chr5	102846047	102846175	Chr5.80830	<i>Airgap24(+364720),Mapk10(+365223)</i>	N/A
Chr5	14025296	14025510	Chr5.8086	<i>Sema3e(+86)</i>	N/A
Chr5	14025673	14025858	Chr5.8087	<i>Sema3e(+449)</i>	N/A
Chr5	102930290	102930423	Chr5.80945	<i>Mapk10(+280977),Airgap24(+449666)</i>	N/A
Chr5	14030861	14030999	Chr5.8105	<i>Pclq(-46398),Sema3e(+5613)</i>	N/A
Chr5	10316343	103161454	Chr5.81077	<i>Mapk10(+49935),Airgap24(+480008)</i>	N/A
Chr5	103209752	103209878	Chr5.81115	<i>Mapk10(+1519),Airgap24(+728424)</i>	N/A
Chr5	103210834	103211388	Chr5.81123	<i>Mapk10(+223)</i>	N/A
Chr5	14039314	14039506	Chr5.8117	<i>Pclq(-475508),Sema3e(+14093)</i>	N/A
Chr5	103370650	103370749	Chr5.81175	<i>Mapk10(-159366),Ptpn13(-54492)</i>	N/A
Chr5	103376898	103377140	Chr5.81178	<i>Mapk10(-165665),Ptpn13(-49173)</i>	N/A
Chr5	103383367	103393637	Chr5.81191	<i>Mapk10(-182168),Ptpn13(-31690)</i>	N/A
Chr5	103393677	103393849	Chr5.81196	<i>Mapk10(-182429),Ptpn13(-31429)</i>	N/A
Chr5	103402231	103402424	Chr5.81207	<i>Mapk10(-190994),Ptpn13(-22864)</i>	N/A
Chr5	103420585	103420840	Chr5.81214	<i>Ptpn13(-4479)</i>	N/A
Chr5	103420965	103421154	Chr5.81217	<i>Ptpn13(-4117)</i>	N/A
Chr5	103421764	103421928	Chr5.81220	<i>Ptpn13(-3340)</i>	N/A
Chr5	103421993	103422134	Chr5.81224	<i>Ptpn13(-3128)</i>	N/A
Chr5	103424025	103424157	Chr5.81228	<i>Ptpn13(-1101)</i>	N/A
Chr5	103426151	103426331	Chr5.81236	<i>Ptpn13(+1049),Slc10a6(+203162)</i>	N/A
Chr5	14048797	14048906	Chr5.8129	<i>Pclq(-468066),Sema3e(+23535)</i>	N/A
Chr5	14089079	14088242	Chr5.8152	<i>Pclq(-426757),Sema3e(+62944)</i>	N/A
Chr5	103724671	103724872	Chr5.81535	<i>1700016h13rk(-65762),Aff1(-29801)</i>	N/A
Chr5	103760844	103761042	Chr5.81548	<i>Aff1(+6370),Klnl8(+150316)</i>	N/A
Chr5	103772262	103772657	Chr5.81556	<i>Aff1(+17887),Klnl8(+138799)</i>	N/A
Chr5	103773304	103773414	Chr5.81563	<i>Aff1(+18786),Klnl8(+137900)</i>	N/A
Chr5	103778663	103778626	Chr5.81569	<i>Aff1(+24173),Klnl8(+132513)</i>	N/A
Chr5	103797877	103798216	Chr5.81614	<i>Aff1(+43474),Klnl8(+113212)</i>	N/A
Chr5	103838937	103839171	Chr5.81772	<i>Klnl8(-27795),Had17b13(-38310)</i>	N/A
Chr5	104098651	104098810	Chr5.81926	<i>Sparcl1(+15357),Nudt9(+51862)</i>	N/A
Chr5	104102082	104102331	Chr5.81930	<i>Sparcl1(+11881),Nudt9(+55338)</i>	N/A
Chr5	104107997	104108121	Chr5.81934	<i>Sparcl1(+6029),Nudt9(+61190)</i>	N/A
Chr5	104108341	104108381	Chr5.81937	<i>Sparcl1(+5777),Nudt9(+61442)</i>	N/A
Chr5	104110327	104110582	Chr5.81942	<i>Sparcl1(+3633),Nudt9(+63556)</i>	N/A
Chr5	104113444	104113616	Chr5.81955	<i>Sparcl1(+558)</i>	N/A
Chr5	104128913	104129025	Chr5.81966	<i>Dspp(-41743),Sparcl1(-14881)</i>	N/A
Chr5	104149425	104149571	Chr5.81978	<i>Sparcl1(-35410),Dspp(-21214)</i>	N/A
Chr5	104170470	104170573	Chr5.81992	<i>Dspp(-190)</i>	N/A
Chr5	104351776	104357354	Chr5.82188	<i>Spp1(-77853),Mape(+21936)</i>	N/A
Chr5	104358643	104358893	Chr5.82196	<i>Spp1(-76350),Mape(+33430)</i>	N/A
Chr5	144465316	14465488	Chr5.82279	<i>Thoc2(-42950),Pkd2(+5962)</i>	N/A
Chr5	14195233	14195399	Chr5.8232	<i>Pclq(-319602),Sema3e(+169999)</i>	N/A
Chr5	105400598	105400845	Chr5.82377	<i>ENSMUSG00000098049(-56793),Lrrc8b(-15053)</i>	N/A
Chr5	105414147	105454283	Chr5.82410	<i>Lrrc8b(-65173),Lrrc8b(-38440)</i>	N/A
Chr5	105473633	105474000	Chr5.82432	<i>Lrrc8b(-45571),Lrrc8b(-58042)</i>	N/A
Chr5	105568821	105587059	Chr5.82569	<i>Lrrc8b(-113849),Lrrc8b(+67552)</i>	N/A
Chr5	105620592	105620698	Chr5.82656	<i>Lrrc8b(-80144),Lrrc8b(+101257)</i>	N/A
Chr5	105625801	105625904	Chr5.82658	<i>Lrrc8b(-74936),Lrrc8b(+106465)</i>	N/A
Chr5	105674951	105675185	Chr5.82665	<i>Lrrc8b(-25721),Lrrc8b(+15680)</i>	N/A
Chr5	105700738	105700853	Chr5.82679	<i>Lrrc8b(-7)</i>	N/A
Chr5	105704730	105704866	Chr5.82687	<i>D830014e11rk(-119713),Lrrc8b(+4009)</i>	N/A
Chr5	105715845	105716100	Chr5.82689	<i>D830014e11rk(-108538),Lrrc8b(+15184)</i>	N/A
Chr5	105732219	105732377	Chr5.82707	<i>D830014e11rk(-92213),Lrrc8b(+31509)</i>	N/A
Chr5	105754354	105754384	Chr5.82727	<i>D830014e11rk(-70230),Lrrc8b(+53492)</i>	N/A
Chr5	105762150	105762326	Chr5.82740	<i>D830014e11rk(-62273),Lrrc8b(+61449)</i>	N/A
Chr5	105800123	105800294	Chr5.82756	<i>D830014e11rk(-24302),Lrrc8b(+99423)</i>	N/A
Chr5	14230876	14231246	Chr5.8279	<i>Pclq(-283857),Sema3e(+205744)</i>	N/A
Chr5	105822948	105823151	Chr5.82819	<i>D830014e11rk(-1461)</i>	N/A
Chr5	105823184	105823351	Chr5.82825	<i>D830014e11rk(-1243)</i>	N/A
Chr5	105824413	105824522	Chr5.82830	<i>D830014e11rk(-43)</i>	N/A
Chr5	105856920	105857034	Chr5.82845	<i>Zfp326(-19591),D830014e11rk(+32466)</i>	N/A
Chr5	105859448	105859588	Chr5.82849	<i>Zfp326(-17050),D830014e11rk(+35007)</i>	N/A
Chr5	105860293	105860432	Chr5.82856	<i>Zfp326(-16205),D830014e11rk(+35852)</i>	N/A
Chr5	105866576	105866825	Chr5.82862	<i>Zfp326(-9867),D830014e11rk(+42190)</i>	N/A
Chr5	105867780	105867948	Chr5.82868	<i>Zfp326(-8704),D830014e11rk(+43353)</i>	N/A
Chr5	105923191	105923400	Chr5.82938	<i>Zfp326(+46728),Barhl2(+535146)</i>	N/A
Chr5	105962949	105962431	Chr5.82956	<i>Zfp326(-88723),Barhl2(+496100)</i>	N/A
Chr5	105970590	105970710	Chr5.82959	<i>Zfp326(+94082),Barhl2(+487790)</i>	N/A
Chr5	106003409	106003583	Chr5.83031	<i>Zfp326(+126928),Barhl2(+454944)</i>	N/A
Chr5	14238783	14238992	Chr5.8304	<i>Pclq(-276030),Sema3e(+213571)</i>	N/A
Chr5	106036473	106036599	Chr5.83071	<i>Zfp326(+159965),Barhl2(+421907)</i>	N/A
Chr5	106044118	106044249	Chr5.83088	<i>Zfp326(+167616),Barhl2(+412556)</i>	N/A
Chr5	106045464	106045664	Chr5.83093	<i>Zfp326(+168996),Barhl2(+412876)</i>	N/A
Chr5	106056473	106056807	Chr5.83122	<i>Zfp326(+180072),Barhl2(+401800)</i>	N/A
Chr5	106067212	106067532	Chr5.83139	<i>Zfp326(+190804),Barhl2(+391068)</i>	N/A
Chr5	106079212	106079397	Chr5.83156	<i>Zfp326(+202737),Barhl2(+379135)</i>	N/A
Chr5	106081154	106091289	Chr5.83164	<i>Zfp326(+214654),Barhl2(+367218)</i>	N/A
Chr5	106094112	106094599	Chr5.83168	<i>Zfp326(+217883),Barhl2(+363989)</i>	N/A
Chr5	106124183	106124425	Chr5.83243	<i>Zfp326(+247736),Barhl2(+334136)</i>	N/A
Chr5	106124579	106124735	Chr5.83249	<i>Zfp326(+248089),Barhl2(+333783)</i>	N/A
Chr5	106162965	106163358	Chr5.83287	<i>Zfp326(+286594),Barhl2(+295278)</i>	N/A
Chr5	106163402	106163692	Chr5.83290	<i>Zfp326(+286979),Barhl2(+294893)</i>	N/A
Chr5	106163728	106163882	Chr5.83293	<i>Zfp326(-287237),Barhl2(+294635)</i>	N/A
Chr5	106172624	106172808	Chr5.83313	<i>Barhl2(-285724),Zfp326(+296148)</i>	N/A
Chr5	106177478	106177588	Chr5.83326	<i>Barhl2(+280907),Zfp326(+300965)</i>	N/A
Chr5	106198750	106198854	Chr5.83361	<i>Barhl2(+259638),Zfp326(+322234)</i>	N/A
Chr5	106201235	106201652	Chr5.83383	<i>Barhl2(+256996),Zfp326(+324876)</i>	N/A
Chr5	106205462	106205595	Chr5.83395	<i>Barhl2(+252901),Zfp326(+328971)</i>	N/A
Chr5	106205634	106205967	Chr5.83396	<i>Barhl2(+252639),Zfp326(+329154)</i>	N/A
Chr5	106206025	106206155	Chr5.83397	<i>Barhl2(+252350),Zfp326(+328522)</i>	N/A
Chr5	106295472	106295858	Chr5.83495	<i>Barhl2(+162775),Zfp326(+419097)</i>	N/A
Chr5	106319938	106320134	Chr5.83520	<i>Barhl2(+138404),Zfp326(+443468)</i>	N/A
Chr5	106322742	106322862	Chr5.83531	<i>Barhl2(+139638),Zfp326(+446234)</i>	N/A
Chr5	106466226	106466463	Chr5.83812	<i>Barhl2(-7915),Zfp644(+23047)</i>	N/A
Chr5	106491840	106491940	Chr5.83873	<i>Barhl2(-33450),Zfp644(+204940)</i>	N/A
Chr5	106491975	106492275	Chr5.83874	<i>Barhl2(-33685),Zfp644(+204705)</i>	N/A
Chr5	106503125	106503316	Chr5.83916	<i>Barhl2(-44781),Zfp644(+193609)</i>	N/A
Chr5	106536928	106537286	Chr5.83957	<i>Barhl2(-78667),Zfp644(+159723)</i>	N/A
Chr5	106546923	106547131	Chr5.83971	<i>Barhl2(-88587),Zfp644(+149803)</i>	N/A
Chr5	106560709	106561173	Chr5.84018	<i>Barhl2(-102501),Zfp644(+135889)</i>	N/A
Chr5	3802808	3802927	Chr5.841	<i>Krt11(-297),Ankib1(+241)</i>	N/A
Chr5	106633282	106633709	Chr5.84111	<i>Barhl2(-175056),Zfp644(+63334)</i>	N/A
Chr5	106640586	106640866	Chr5.84135	<i>Barhl2(-182286),Zfp644(+56104)</i>	N/A
Chr5	106695475	106696830	Chr5.84160	<i>Barhl2(-237213),Zfp644(+1177)</i>	N/A
Chr5	106695979	106696168	Chr5.84163	<i>Zfp644(-756)</i>	N/A
Chr5	106696795	106696973	Chr5.84166	<i>Zfp644(-54)</i>	N/A
Chr5	106748661	106748945	Chr5.84182	<i>Zfp644(-51973),Hfm1(+177087)</i>	N/A
Chr5	106778652	106778896	Chr5.84197	<i>Zfp644(-81944),Hfm1(+147116)</i>	N/A
Chr5	106825117	106825483	Chr5.84236	<i>Zfp644(-128470),Hfm1(+100590)</i>	N/A
Chr5	106934857	106935233	Chr5.84376	<i>Cdc7(-29516),Hfm1(-9155)</i>	N/A
Chr5	106961161	106961328	Chr5.84393	<i>Cdc7(-3316)</i>	N/A
Chr5	106985416	106985594	Chr5.84445	<i>Cdc7(-20944),Tgfb3(+304124)</i>	N/A
Chr5	106987166	106987279	Chr5.84452	<i>Cdc7(-22662),Tgfb3(+302406)</i>	N/A
Chr5	106991649	106991815	Chr5.84455	<i>Cdc7(+27171),Tgfb3(+297897)</i>	N/A
Chr5	106996408	106996561	Chr5.84460	<i>Cdc7(+31924),Tgfb3(+293144)</i>	N/A
Chr5	107001572	107001716	Chr5.84463	<i>Cdc7(-37083),Tgfb3(+287965)</i>	N/A
Chr5	107014942	107015055	Chr5.84469	<i>Cdc7(+50438),Tgfb3(+274630)</i>	N/A
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Chr5	107020148	107020606	Chr5.84480	<i>Cdc7(+55816),Tgfb3(+269252)</i>	N/A
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Chr5	107081376	107081501	Chr5.84554	<i>Cdc7(+116878),Tgfb3(+208190)</i>	N/A
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Chr5	107088499	107088652	Chr5.84568	<i>Cdc7(+124015),Tgfb3(+201053)</i>	N/A
Chr5	107101558	107101680	Chr5.84576	<i>Cdc7(+137058),Tgfb3(+188010)</i>	N/A
Chr5	107110591	107110697	Chr5.84605	<i>Cdc7(+146083),Tgfb3(+179965)</i>	N/A
Chr5	107110837	107110958	Chr5.84609	<i>Cdc7(+146337),Tgfb3(+178731)</i>	N/A
Chr5	107112032	107112177	Chr5.84615	<i>Cdc7(+147544),Tgfb3(+177524)</i>	N/A
Chr5	107124586	107124888	Chr5.84629	<i>Cdc7(+160176),Tgfb3(+164892)</i>	N/A
Chr5	107125122	107125341	Chr5.84634	<i>Cdc7(+160671),Tgfb3(+164397)</i>	N/A
Chr5	107144369	107144493	Chr5.84715	<i>Tgfb3(+145198),Cdc7(+179870)</i>	N/A
Chr5	107145975	107146158	Chr5.84722	<i>Tgfb3(+143863),Cdc7(+161505)</i>	N/A
Chr5	107146288	107146466	Chr5.84725	<i>Tgfb3(+143252),Cdc7(+181816)</i>	N/A

Chf5	107148666	107148804	Chf5.84736	Tgfb3(+140894),Cdc7(+184174)	N/A
Chf5	107151094	107151259	Chf5.84742	Tgfb3(+138452),Cdc7(+186616)	N/A
Chf5	107151583	107151689	Chf5.84746	Tgfb3(+137993),Cdc7(+187079)	N/A
Chf5	107157594	107157692	Chf5.84755	Tgfb3(+132011),Cdc7(+193057)	N/A
Chf5	107166752	107166902	Chf5.84780	Tgfb3(+122802),Cdc7(+202266)	N/A
Chf5	107166996	107167349	Chf5.84783	Tgfb3(+122456),Cdc7(+202612)	N/A
Chf5	107168024	107168198	Chf5.84788	Tgfb3(+121518),Cdc7(+203550)	N/A
Chf5	107168341	107168509	Chf5.84789	Tgfb3(+121204),Cdc7(+203864)	N/A
Chf5	107176999	107177133	Chf5.84794	Tgfb3(+112563),Cdc7(+212505)	N/A
Chf5	107177218	107177353	Chf5.84797	Tgfb3(+112343),Cdc7(+212729)	N/A
Chf5	107179794	107180068	Chf5.84812	Tgfb3(+109698),Cdc7(+215370)	N/A
Chf5	107183851	107184052	Chf5.84827	Tgfb3(+105677),Cdc7(+219391)	N/A
Chf5	107192347	107192808	Chf5.84833	Tgfb3(+97051),Cdc7(+228017)	N/A
Chf5	107194539	107194901	Chf5.84844	Tgfb3(+94909),Cdc7(+230159)	N/A
Chf5	107195975	107196102	Chf5.84850	Tgfb3(+93890),Cdc7(+231478)	N/A
Chf5	107200360	107200541	Chf5.84861	Tgfb3(+89178),Cdc7(+235890)	N/A
Chf5	107200757	107200890	Chf5.84863	Tgfb3(+88805),Cdc7(+236263)	N/A
Chf5	107202875	107203125	Chf5.84866	Tgfb3(+86629),Cdc7(+238439)	N/A
Chf5	107203201	107203434	Chf5.84867	Tgfb3(+86311),Cdc7(+238757)	N/A
Chf5	107213758	107214073	Chf5.84881	Tgfb3(+75713),Cdc7(+249355)	N/A
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Chf5	107222242	107222577	Chf5.84906	Tgfb3(+67219),Cdc7(+257849)	N/A
Chf5	107234063	107234205	Chf5.84940	Tgfb3(+55495),Cdc7(+269573)	N/A
Chf5	107238143	107238326	Chf5.84949	Tgfb3(+51394),Cdc7(+273674)	N/A
Chf5	107250734	107250978	Chf5.84958	Tgfb3(+38774),Cdc7(+286294)	N/A
Chf5	107251894	107252174	Chf5.84964	Tgfb3(+37593),Cdc7(+287473)	N/A
Chf5	107268184	107268562	Chf5.84986	Tgfb3(+21256),Cdc7(+303812)	N/A
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Chf5	107287361	107287814	Chf5.85012	Tgfb3(+2041),Cdc7(+323027)	N/A
Chf5	107289314	107289623	Chf5.85017	Tgfb3(+210)	N/A
Chf5	107303344	107303490	Chf5.85032	Brd4(-22742),Tgfb3(-18788)	N/A
Chf5	107466646	107466864	Chf5.85216	A830010m20nk(-30990),Btdb9(+28758)	N/A
Chf5	107498232	107498543	Chf5.85254	A830010m20nk(+643)	N/A
Chf5	107633676	107633776	Chf5.85448	Rpap2(+35991),Gf1(+90617)	N/A
Chf5	107637584	107637730	Chf5.85454	Rpap2(+39922),Gf1(+86686)	N/A
Chf5	107682832	107683032	Chf5.85489	Gf1(+14141),Rpap2(+85197)	N/A
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Chf5	107688134	107688297	Chf5.85493	Gf1(+36127),Rpap2(+90481)	N/A
Chf5	107749659	107749790	Chf5.85607	Ube2db(-80528),Gf1(-25382)	N/A
Chf5	107774882	107777609	Chf5.85645	Gf1(-53203),Ube2db(-52707)	N/A
Chf5	107868215	107868526	Chf5.85703	Eyb(-6836),Ube2db(+38018)	N/A
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Chf5	107986238	107986429	Chf5.85799	Dipk1a(+751)	N/A
Chf5	108065520	108065629	Chf5.85839	Mrf2(-167)	N/A
Chf5	108065961	108065776	Chf5.85842	Mrf2(-22)	N/A
Chf5	108065912	108066079	Chf5.85844	Mrf2(+204)	N/A
Chf5	108066205	108066399	Chf5.85849	Mrf2(+560)	N/A
Chf5	108066923	108067074	Chf5.85853	Mrf2(+1257),Tmed5(+65621)	N/A
Chf5	108697398	108697565	Chf5.86785	Fgfr1(+3253),Rnf212(+15966)	N/A
Chf5	110415203	110415355	Chf5.87617	Fbxr1(+33224),Lrcol1(+61183)	N/A
Chf5	15745505	15745673	Chf5.8766	Cacna2d1(-189102),Sponck(-31353)	N/A
Chf5	110808465	110808566	Chf5.88441	Pus1(-27920),Ulk1(+1581)	N/A
Chf5	110869359	110869501	Chf5.88515	Ttc28(-10373),Chek2(+29413)	N/A
Chf5	110898291	110898400	Chf5.88522	Pitpnb(-432417),Ttc28(+18543)	N/A
Chf5	110898563	110898809	Chf5.88524	Pitpnb(-432077),Ttc28(+18883)	N/A
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Chf5	110928174	110928696	Chf5.88530	Pitpnb(-402228),Ttc28(+48732)	N/A
Chf5	110949993	110950094	Chf5.88573	Pitpnb(-380719),Ttc28(+70241)	N/A
Chf5	110978561	110978717	Chf5.88598	Pitpnb(-352124),Ttc28(+98836)	N/A
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Chf5	110979821	110980095	Chf5.88607	Pitpnb(-350805),Ttc28(+100155)	N/A
Chf5	110980647	110980946	Chf5.88615	Pitpnb(-349966),Ttc28(+100949)	N/A
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Chf5	110986747	110986904	Chf5.88627	Pitpnb(-343937),Ttc28(+107023)	N/A
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Chf5	110997090	110997420	Chf5.88634	Pitpnb(-333508),Ttc28(+117452)	N/A
Chf5	111006355	111006653	Chf5.88653	Pitpnb(-324259),Ttc28(+126701)	N/A
Chf5	111006952	111007057	Chf5.88654	Pitpnb(-323758),Ttc28(+127202)	N/A
Chf5	111011346	111011497	Chf5.88665	Pitpnb(-319341),Ttc28(+131619)	N/A
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Chf5	111027761	111028001	Chf5.88700	Pitpnb(-302882),Ttc28(+148078)	N/A
Chf5	111032844	111033140	Chf5.88710	Pitpnb(-297771),Ttc28(+153189)	N/A
Chf5	111046834	111046983	Chf5.88727	Pitpnb(-283584),Ttc28(+167106)	N/A
Chf5	111047045	111047378	Chf5.88729	Pitpnb(-283551),Ttc28(+167409)	N/A
Chf5	111057209	111057664	Chf5.88751	Pitpnb(-273326),Ttc28(+177634)	N/A
Chf5	111059510	111059696	Chf5.88755	Pitpnb(-271160),Ttc28(+179800)	N/A
Chf5	111074598	111074905	Chf5.88790	Pitpnb(-256011),Ttc28(+194949)	N/A
Chf5	111099334	1110995219	Chf5.88809	Pitpnb(-231636),Ttc28(+219324)	N/A
Chf5	111113397	111113545	Chf5.88817	Pitpnb(-217292),Ttc28(+233668)	N/A
Chf5	111113601	111113791	Chf5.88820	Pitpnb(-217067),Ttc28(+233893)	N/A
Chf5	111120250	111120479	Chf5.88827	Pitpnb(-210398),Ttc28(+240562)	N/A
Chf5	111120832	111121093	Chf5.88831	Pitpnb(-209800),Ttc28(+241160)	N/A
Chf5	111129261	111129426	Chf5.88844	Pitpnb(-201419),Ttc28(+249541)	N/A
Chf5	111129515	111129687	Chf5.88849	Pitpnb(-201162),Ttc28(+249798)	N/A
Chf5	111136824	111136963	Chf5.88864	Pitpnb(-193689),Ttc28(+257091)	N/A
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Chf5	111138266	111138531	Chf5.88872	Pitpnb(-192364),Ttc28(+258596)	N/A
Chf5	111141021	111141142	Chf5.88879	Pitpnb(-189681),Ttc28(+261279)	N/A
Chf5	111141203	111141584	Chf5.88881	Pitpnb(-189369),Ttc28(+261591)	N/A
Chf5	111154012	111154888	Chf5.88891	Pitpnb(-176013),Ttc28(+274947)	N/A
Chf5	111157495	111157795	Chf5.88901	Pitpnb(-173118),Ttc28(+277842)	N/A
Chf5	111163554	111163659	Chf5.88914	Pitpnb(-167156),Ttc28(+283804)	N/A
Chf5	111164136	111164251	Chf5.88917	Pitpnb(-166569),Ttc28(+284391)	N/A
Chf5	111179731	111180199	Chf5.88948	Pitpnb(-150798),Ttc28(+300162)	N/A
Chf5	111180677	111180945	Chf5.88951	Pitpnb(-149592),Ttc28(+301008)	N/A
Chf5	111195315	111195512	Chf5.88964	Pitpnb(-135349),Ttc28(+315611)	N/A
Chf5	15934234	15934342	Chf5.8898	Cacna2d1(-403)	N/A
Chf5	111200121	111200330	Chf5.88980	Pitpnb(-130537),Ttc28(+320423)	N/A
Chf5	111200860	111201019	Chf5.88983	Pitpnb(-129823),Ttc28(+321137)	N/A
Chf5	111201084	111201217	Chf5.88985	Pitpnb(-129612),Ttc28(+321348)	N/A
Chf5	111201259	111201620	Chf5.88987	Pitpnb(-129324),Ttc28(+321636)	N/A
Chf5	111204156	111204279	Chf5.88995	Pitpnb(-126545),Ttc28(+324415)	N/A
Chf5	111204994	111205301	Chf5.89000	Pitpnb(-125615),Ttc28(+325345)	N/A
Chf5	111205870	111206006	Chf5.89001	Pitpnb(-124825),Ttc28(+326135)	N/A
Chf5	111217875	111218193	Chf5.89019	Pitpnb(-112729),Ttc28(+338231)	N/A
Chf5	111220756	111220864	Chf5.89026	Pitpnb(-108953),Ttc28(+341067)	N/A
Chf5	111221180	111221296	Chf5.89030	Pitpnb(-108529),Ttc28(+341435)	N/A
Chf5	15935983	15936153	Chf5.8905	Hgf(-617482),Cacna2d1(+1377)	N/A
Chf5	111225095	111225304	Chf5.89064	Pitpnb(-105563),Ttc28(+345397)	N/A
Chf5	111243610	111243720	Chf5.89130	Pitpnb(-87098),Ttc28(+363862)	N/A
Chf5	111256247	111256570	Chf5.89138	Pitpnb(-74354),Ttc28(+376606)	N/A
Chf5	111257420	111257687	Chf5.89146	Pitpnb(-73219),Ttc28(+377747)	N/A
Chf5	111264589	111264726	Chf5.89154	Pitpnb(-66105),Ttc28(+384855)	N/A
Chf5	111361911	111362196	Chf5.89353	Mn1(-55388),Pitpnb(+31291)	N/A
Chf5	111367878	111368347	Chf5.89362	Mn1(-49329),Pitpnb(+37350)	N/A
Chf5	111368381	111368993	Chf5.89370	Mn1(-48755),Pitpnb(+37924)	N/A
Chf5	111371339	111371559	Chf5.89377	Mn1(-45993),Pitpnb(+40668)	N/A
Chf5	111376679	111376989	Chf5.89391	Mn1(-40686),Pitpnb(+46071)	N/A
Chf5	111383787	111383950	Chf5.89409	Mn1(-33573),Pitpnb(+53106)	N/A
Chf5	111385494	111385679	Chf5.89412	Mn1(-31855),Pitpnb(+54824)	N/A
Chf5	111394305	111394644	Chf5.		

Ch5	111427308	111427430	Ch5.89551	C13002621rk(-154053),Mn1(+9927)	N/A
Ch5	111430563	111430695	Ch5.89559	C13002621rk(-150793),Mn1(+13187)	N/A
Ch5	111431587	111431715	Ch5.89561	C13002621rk(-149771),Mn1(+14209)	N/A
Ch5	111432204	111432315	Ch5.89565	C13002621rk(-149162),Mn1(+14618)	N/A
Ch5	111496108	111496333	Ch5.89603	C13002621rk(-85201),Mn1(+78779)	N/A
Ch5	111506608	111506718	Ch5.89613	C13002621rk(-74759),Mn1(+89221)	N/A
Ch5	111512221	111512376	Ch5.89616	C13002621rk(-69123),Mn1(+94857)	N/A
Ch5	111529201	111529490	Ch5.89633	C13002621rk(-52076),Mn1(+111904)	N/A
Ch5	111530071	111530285	Ch5.89648	C13002621rk(-45244),Mn1(+118736)	N/A
Ch5	111538646	111539002	Ch5.89651	C13002621rk(-42598),Mn1(+121382)	N/A
Ch5	111554985	111555089	Ch5.89663	C13002621rk(-26385),Mn1(+137595)	N/A
Ch5	111560790	111560922	Ch5.89665	C13002621rk(-20566),Mn1(+143414)	N/A
Ch5	111581372	111581673	Ch5.89679	C13002621rk(+101)	N/A
Ch5	111595444	111595693	Ch5.89687	C13002621rk(+14147),Cryba4(+659949)	N/A
Ch5	111597966	111598037	Ch5.89689	C13002621rk(+16550),Cryba4(+446546)	N/A
Ch5	111603207	111603320	Ch5.89694	C13002621rk(+21842),Cryba4(+649254)	N/A
Ch5	111631650	111631812	Ch5.89699	C13002621rk(+50309),Cryba4(+620787)	N/A
Ch5	111639921	111640098	Ch5.89700	C13002621rk(+58588),Cryba4(+612508)	N/A
Ch5	111649115	111649215	Ch5.89704	C13002621rk(+67743),Cryba4(+603353)	N/A
Ch5	111660472	111660715	Ch5.89705	C13002621rk(+79172),Cryba4(+591924)	N/A
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Ch5	111662066	111662262	Ch5.89710	C13002621rk(+80742),Cryba4(+590354)	N/A
Ch5	111665455	111665601	Ch5.89715	C13002621rk(+84106),Cryba4(+586990)	N/A
Ch5	111677941	111678072	Ch5.89729	C13002621rk(+96585),Cryba4(+574511)	N/A
Ch5	111681446	111681583	Ch5.89730	C13002621rk(+100093),Cryba4(+571003)	N/A
Ch5	111692244	111692497	Ch5.89738	C13002621rk(+110949),Cryba4(+560147)	N/A
Ch5	111701954	111702089	Ch5.89748	C13002621rk(+120600),Cryba4(+550496)	N/A
Ch5	111709653	111709884	Ch5.89751	C13002621rk(+128347),Cryba4(+542749)	N/A
Ch5	111725444	111725609	Ch5.89772	C13002621rk(+144105),Cryba4(+526991)	N/A
Ch5	111730829	111731159	Ch5.89775	C13002621rk(+149572),Cryba4(+521524)	N/A
Ch5	111742433	111742644	Ch5.89794	C13002621rk(+161117),Cryba4(+509979)	N/A
Ch5	111754837	111754980	Ch5.89810	C13002621rk(+173487),Cryba4(+497609)	N/A
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Ch5	111804593	111804851	Ch5.89832	C13002621rk(+223300),Cryba4(+447796)	N/A
Ch5	111805821	111806102	Ch5.89837	C13002621rk(+224540),Cryba4(+446561)	N/A
Ch5	111823846	111824025	Ch5.89850	C13002621rk(+242514),Cryba4(+428582)	N/A
Ch5	111836767	111837094	Ch5.89856	C13002621rk(+255509),Cryba4(+415587)	N/A
Ch5	111857167	111857434	Ch5.89868	C13002621rk(+275879),Cryba4(+395217)	N/A
Ch5	111869106	111869332	Ch5.89879	C13002621rk(+287797),Cryba4(+383299)	N/A
Ch5	111872758	111872455	Ch5.89887	C13002621rk(+296935),Cryba4(+375161)	N/A
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Ch5	111894238	111894459	Ch5.89896	C13002621rk(+312927),Cryba4(+358169)	N/A
Ch5	111913541	111913656	Ch5.89917	C13002621rk(+332177),Cryba4(+338919)	N/A
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Ch5	111919869	111919130	Ch5.89921	Cryba4(+333468),C13002621rk(+337628)	N/A
Ch5	111923540	111923666	Ch5.89925	Cryba4(+328915),C13002621rk(+342181)	N/A
Ch5	111925599	111926100	Ch5.89928	Cryba4(+326668),C13002621rk(+344428)	N/A
Ch5	111929409	111929574	Ch5.89931	Cryba4(+323026),C13002621rk(+348070)	N/A
Ch5	111935430	111935694	Ch5.89934	Cryba4(+316956),C13002621rk(+354140)	N/A
Ch5	111944366	111944626	Ch5.89952	Cryba4(+308022),C13002621rk(+363074)	N/A
Ch5	111957939	111958261	Ch5.89958	Cryba4(+294418),C13002621rk(+376679)	N/A
Ch5	111958329	111958471	Ch5.89959	Cryba4(+294118),C13002621rk(+376978)	N/A
Ch5	112001854	112002003	Ch5.89995	Cryba4(+260589),C13002621rk(+420507)	N/A
Ch5	112002452	112002713	Ch5.89999	Cryba4(+249935),C13002621rk(+421161)	N/A
Ch5	3152477	3152622	Ch5.9	Cdk6(-191343)	N/A
Ch5	112041467	112041646	Ch5.90028	Cryba4(+210951),C13002621rk(+460145)	N/A
Ch5	112050501	112050867	Ch5.90035	Cryba4(+201834),C13002621rk(+469262)	N/A
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Ch5	112098757	112099091	Ch5.90063	Cryba4(+153594),C13002621rk(+517502)	N/A
Ch5	112133773	112133958	Ch5.90105	Cryba4(+118652),C13002621rk(+552444)	N/A
Ch5	112136740	112136982	Ch5.90110	Cryba4(+115657),C13002621rk(+555439)	N/A
Ch5	112153758	112153948	Ch5.90119	Cryba4(+98665),C13002621rk(+572431)	N/A
Ch5	112160442	112160617	Ch5.90121	Cryba4(+91988),C13002621rk(+579108)	N/A
Ch5	112166652	112166941	Ch5.90123	Cryba4(+85721),C13002621rk(+585375)	N/A
Ch5	112170693	112170817	Ch5.90127	Cryba4(+81763),C13002621rk(+589333)	N/A
Ch5	112184597	112184727	Ch5.90138	Cryba4(+67856),C13002621rk(+603240)	N/A
Ch5	112206216	112206455	Ch5.90142	Cryba4(+46162),C13002621rk(+624914)	N/A
Ch5	112215807	112215870	Ch5.90144	Cryba4(+38829),C13002621rk(+634267)	N/A
Ch5	112217230	112217468	Ch5.90155	Cryba4(+35169),C13002621rk(+635927)	N/A
Ch5	112252481	112252675	Ch5.90186	Crybb1(-3237),Cryba4(-60)	N/A
Ch5	112321179	112321333	Ch5.90283	Tlp11(-5102),Tpsl2(+44565)	N/A
Ch5	112337562	112337684	Ch5.90390	Sra1(+9417),Tlp11(+11265)	N/A
Ch5	112382735	112382840	Ch5.90482	Gm6583(-26755),Asphd2(+9425)	N/A
Ch5	112411556	112411703	Ch5.90532	Gm6588(-37796),Asphd2(-19417)	N/A
Ch5	112419795	112419917	Ch5.90537	Gm6588(-29570),Asphd2(-27643)	N/A
Ch5	112438857	112439018	Ch5.90588	Asphd2(-46725),Gm6588(-10488)	N/A
Ch5	112493270	112493511	Ch5.90676	Gm6588(+43965),Sez6l(+83807)	N/A
Ch5	112497348	112497461	Ch5.90678	Gm6588(+7979),Sez6l(+79793)	N/A
Ch5	112504738	112504754	Ch5.9068	Hgf(-506058),Caena2d1(+1128203)	N/A
Ch5	112518900	112519052	Ch5.90689	Sez6l(-58222),Gm6588(+69550)	N/A
Ch5	112535992	112536104	Ch5.90705	Sez6l(+41150),Gm6588(+86622)	N/A
Ch5	112547653	112547836	Ch5.9071	Hgf(-505805),Caena2d1(+113054)	N/A
Ch5	112549169	112549290	Ch5.90714	Sez6l(+27968),Gm6588(+98904)	N/A
Ch5	112552001	112552129	Ch5.90719	Sez6l(+25133),Gm6588(+102626)	N/A
Ch5	112556472	112556695	Ch5.90723	Sez6l(+20614),Gm6588(+107158)	N/A
Ch5	112583341	112583514	Ch5.90757	Sez6l(-6230),Myo18b(+312934)	N/A
Ch5	112656504	112656609	Ch5.90785	Sez6l(-79359),Myo18b(+239805)	N/A
Ch5	112659701	112659858	Ch5.90788	Sez6l(-82582),Myo18b(+236582)	N/A
Ch5	112748233	112748383	Ch5.90873	Sez6l(-177110),Myo18b(+148054)	N/A
Ch5	112834017	112834118	Ch5.91032	Sez6l(-256870),Myo18b(+62213)	N/A
Ch5	112853217	112853358	Ch5.91085	Sez6l(-276090),Myo18b(+43074)	N/A
Ch5	112859854	112859965	Ch5.91100	Sez6l(-282712),Myo18b(+36452)	N/A
Ch5	11287035	11287238	Ch5.9111	Hgf(-466413),Caena2d1(+152446)	N/A
Ch5	112896414	112896575	Ch5.91161	Myo18b(-133)	N/A
Ch5	112933052	112933258	Ch5.91207	Myo18b(-36813),Grk3(+82339)	N/A
Ch5	116093294	116093504	Ch5.91223	Hgf(-460151),Caena2d1(+158708)	N/A
Ch5	113041663	113041788	Ch5.91296	Grk3(-26212),Crybb2(+28391)	N/A
Ch5	113120030	113120149	Ch5.91362	Crybb3(-38980),2900026a02rk(+43261)	N/A
Ch5	113137696	113137988	Ch5.91369	Crybb3(-56732),2900026a02rk(+25509)	N/A
Ch5	113139108	113139224	Ch5.91379	Crybb3(-58056),2900026a02rk(+24185)	N/A
Ch5	113302727	113302763	Ch5.91584	Sgsm1(+3491),Tme121(+80386)	N/A
Ch5	113369406	113369594	Ch5.91588	Wscd2(-120947),Aym1(+12206)	N/A
Ch5	113374310	113374621	Ch5.91591	Wscd2(-115981),Aym1(+17172)	N/A
Ch5	113411146	113411312	Ch5.91625	Wscd2(-79218),Aym1(+53935)	N/A
Ch5	113439248	113439407	Ch5.91662	Wscd2(-51119),Aym1(+82034)	N/A
Ch5	113453308	113453418	Ch5.91669	Wscd2(-37094),Aym1(+96069)	N/A
Ch5	113461517	113461635	Ch5.91678	Wscd2(-28571),Aym1(+104282)	N/A
Ch5	113485922	113486073	Ch5.91683	Wscd2(-4449)	N/A
Ch5	113492668	113492820	Ch5.91688	Wscd2(+2297),Cmkir1(+157682)	N/A
Ch5	113591859	113591960	Ch5.91814	Cmkir1(+58516),Wscd2(+101465)	N/A
Ch5	113703634	113703743	Ch5.91881	Cmkir1(-53263),170006916rk(+21060)	N/A
Ch5	113735614	113735714	Ch5.91904	Ficcl(-118)	N/A
Ch5	113808377	113808480	Ch5.92140	Tme119(-79133),Selplg(+22072)	N/A
Ch5	113844181	113844305	Ch5.92168	Selplg(-13742),Caro1c(+64515)	N/A
Ch5	113871869	113872020	Ch5.92220	Selplg(-41444),Caro1c(+36813)	N/A
Ch5	113872938	113873126	Ch5.92224	Selplg(-42532),Caro1c(+35725)	N/A
Ch5	113873194	113873325	Ch5.92228	Selplg(-42759),Caro1c(+35498)	N/A
Ch5	113873391	113873524	Ch5.92230	Selplg(-42857),Caro1c(+35300)	N/A
Ch5	113889340	113889464	Ch5.92246	Selplg(-58901),Caro1c(+19356)	N/A
Ch5	113901139	113901260	Ch5.92257	Selplg(-70699),Caro1c(+7558)	N/A
Ch5	113905746	113905882	Ch5.92259	Selplg(-75313),Caro1c(+2944)	N/A
Ch5	113907497	113907604	Ch5.92263	Selplg(-77050),Caro1c(+1207)	N/A
Ch5	113907778	113908021	Ch5.92264	Caro1c(-858)	N/A
Ch5	113952618	113952740	Ch5.92338	Caro1c(-43921),Ssh1(+41215)	N/A
Ch5	113974830	113974969	Ch5.92383	Caro1c(-66142),Ssh1(+18994)	N/A
Ch5	114091144	114091340	Ch5.92524	Svop(+328)	N/A
Ch5	114264113	114264313	Ch5.93068	Foxn4(+9594),Acacb(+117678)	N/A
Ch5	114279467	114279715	Ch5.93084	Myo1th(-35340),Foxn4(-5794)	N/A
Ch5	114284855	114285168	Ch5.93087	Myo1th(-29930),Foxn4(-11204)	N/A
Ch5	114290098	114290216	Ch5.93096	Myo1th(-24784),Foxn4(-16350)	N/A
Ch5	16277110	16277303	Ch5.9314	Hgf(-276343),Caena2d1(+342516)	N/A
Ch5	114364483	114364610	Ch5.93256	Kctd10(+15936),Myo1th(+49606)	N/A
Ch5	114370523	114370624	Ch5.93288	Kctd10(+9909),Myo1th(+56633)	N/A
Ch5	114374468	114374538	Ch5.93322	Kctd10(-6002),Myo1th(+59549)	N/A
Ch5	114412837	114413086	Ch5.93407	Mmb1(+31097),Ube3a(+32334)	N/A

Chr5	114428828	114429084	Chr5.93444	Mnab(+15103),Ube3a(+48328)	N/A
Chr5	114431022	114441366	Chr5.93448	Mnab(+12865),Ube3a(+50566)	N/A
Chr5	114444030	114444153	Chr5.93489	Mvk(-188),Mnab(-33)	N/A
Chr5	114457446	114457588	Chr5.93533	Fam222a(-10500),Mvk(+13236)	N/A
Chr5	114467256	114467355	Chr5.93567	Fam222a(-100710),Mvk(+23026)	N/A
Chr5	114473736	114473843	Chr5.93570	Fam222a(-94226),Mvk(+29510)	N/A
Chr5	114475121	114475259	Chr5.93574	Fam222a(-92826),Mvk(+30910)	N/A
Chr5	114482622	114482910	Chr5.93580	Fam222a(-85250),Mvk(+38486)	N/A
Chr5	114489700	114489854	Chr5.93587	Fam222a(-78239),Mvk(+45497)	N/A
Chr5	114507418	114507595	Chr5.93599	Fam222a(-65059),Mvk(+63327)	N/A
Chr5	114514013	114514210	Chr5.93606	Fam222a(-53904),Mvk(+69832)	N/A
Chr5	114521335	114521443	Chr5.93613	Fam222a(-46627),Mvk(+77109)	N/A
Chr5	114530511	114530655	Chr5.93622	Fam222a(-37433),Mvk(+86303)	N/A
Chr5	114537576	114537629	Chr5.93631	Fam222a(-30263),Mvk(+93473)	N/A
Chr5	114538869	114539040	Chr5.93633	Fam222a(-29061),Mvk(+94675)	N/A
Chr5	114539886	114540006	Chr5.93635	Fam222a(-28070),Mvk(+95656)	N/A
Chr5	114551110	114551256	Chr5.93639	Fam222a(-16833),Mvk(+106903)	N/A
Chr5	114553074	114553196	Chr5.93641	Fam222a(-14881),Mvk(+108855)	N/A
Chr5	114553234	114553336	Chr5.93645	Fam222a(-14731),Mvk(+109005)	N/A
Chr5	114558299	114558627	Chr5.93652	Fam222a(-9553),Mvk(+114183)	N/A
Chr5	114560740	114560879	Chr5.93655	Fam222a(-7205),Mvk(+116530)	N/A
Chr5	114567163	114567366	Chr5.93660	Fam222a(-751)	N/A
Chr5	114569052	114569166	Chr5.93669	Fam222a(+1063),Tpv4(+89312)	N/A
Chr5	114569898	114570225	Chr5.93673	Fam222a(+2046),Tpv4(+88359)	N/A
Chr5	114571561	114571768	Chr5.93677	Fam222a(+3647),Tpv4(+86758)	N/A
Chr5	114571834	114571985	Chr5.93679	Fam222a(+3894),Tpv4(+86511)	N/A
Chr5	114575089	114575304	Chr5.93681	Fam222a(+7181),Tpv4(+83224)	N/A
Chr5	114576157	114576265	Chr5.93686	Fam222a(+8195),Tpv4(+82210)	N/A
Chr5	114579869	114579989	Chr5.93694	Fam222a(+11913),Tpv4(+78492)	N/A
Chr5	114581480	114581648	Chr5.93698	Fam222a(+13548),Tpv4(+76857)	N/A
Chr5	114584513	114584655	Chr5.93700	Fam222a(+16568),Tpv4(+73837)	N/A
Chr5	114589084	114589368	Chr5.93702	Fam222a(+21210),Tpv4(+69195)	N/A
Chr5	114591149	114591457	Chr5.93709	Fam222a(+23287),Tpv4(+67118)	N/A
Chr5	114592721	114592875	Chr5.93714	Fam222a(+24782),Tpv4(+65623)	N/A
Chr5	114593003	114593341	Chr5.93717	Fam222a(+25156),Tpv4(+65249)	N/A
Chr5	114605021	114605131	Chr5.93723	Fam222a(+37060),Tpv4(+53345)	N/A
Chr5	114605867	114606278	Chr5.93726	Fam222a(+41007),Tpv4(+49398)	N/A
Chr5	114613047	114613220	Chr5.93740	Fam222a(+45118),Tpv4(+45287)	N/A
Chr5	114645010	114645158	Chr5.93830	Tpv4(+13337),Fam222a(+77068)	N/A
Chr5	114649114	114649214	Chr5.93836	Tpv4(+9257),Fam222a(+81148)	N/A
Chr5	114795396	114795522	Chr5.94086	1500011b03rk(+18486),Ankrd13a(+20782)	N/A
Chr5	114804715	114804843	Chr5.94134	1500011b03rk(+9166),Ankrd13a(+30102)	N/A
Chr5	114804932	114805053	Chr5.94138	1500011b03rk(+8652),Ankrd13a(+30316)	N/A
Chr5	114805472	114805572	Chr5.94141	1500011b03rk(+8423),Ankrd13a(+30845)	N/A
Chr5	114970964	114971165	Chr5.94314	Hnf1a(+2)	N/A
Chr5	115007735	115007841	Chr5.94317	Spp3(-3349)	N/A
Chr5	115009304	115009429	Chr5.94323	Spp3(-1770)	N/A
Chr5	115142856	115143163	Chr5.94447	Unc119b(-8086),Mlec(+15116)	N/A
Chr5	115143536	115143902	Chr5.94454	Unc119b(-8744),Mlec(+14457)	N/A
Chr5	115144365	115144611	Chr5.94459	Unc119b(-9513),Mlec(+13688)	N/A
Chr5	115145767	115145938	Chr5.94467	Unc119b(-10878),Mlec(+12323)	N/A
Chr5	115146801	115147016	Chr5.94471	Unc119b(-11934),Mlec(+11267)	N/A
Chr5	115152500	115152640	Chr5.94493	Unc119b(-17595),Mlec(+5608)	N/A
Chr5	115155031	115155152	Chr5.94498	Unc119b(-20117),Mlec(+3084)	N/A
Chr5	115155946	115156159	Chr5.94501	Unc119b(-21078),Mlec(+2123)	N/A
Chr5	115158780	115158886	Chr5.94523	Mlec(-657)	N/A
Chr5	115161235	115161355	Chr5.94528	Mlec(-3119)	N/A
Chr5	115168704	115169020	Chr5.94535	Mlec(-10686),Cabp1(+17446)	N/A
Chr5	115192556	115192704	Chr5.94594	Pop5(-4326),Cabp1(-6322)	N/A
Chr5	115203852	115203997	Chr5.94513	Pop5(-31911),Cabp1(+17617)	N/A
Chr5	115204674	115205084	Chr5.94617	Pop5(-30957),Cabp1(-18571)	N/A
Chr5	115215201	115215414	Chr5.94628	Cabp1(-29000),Pop5(-20528)	N/A
Chr5	115220904	115221064	Chr5.94631	Cabp1(-34676),Pop5(-14852)	N/A
Chr5	115231303	115231461	Chr5.94636	Pop5(-4454)	N/A
Chr5	115268414	115268561	Chr5.94701	Rnf10(+4406),Pop5(+32652)	N/A
Chr5	115272721	115272913	Chr5.94709	Rnf10(+77)	N/A
Chr5	115299951	115300076	Chr5.94747	Dynl1(+985)	N/A
Chr5	115300107	115300312	Chr5.94750	Dynl1(+789)	N/A
Chr5	115310115	115310143	Chr5.94761	Dynl1(-80)	N/A
Chr5	115331524	115331557	Chr5.94780	Srsf9(+4264),Cate(-9737)	N/A
Chr5	115332875	115333107	Chr5.94785	Srsf9(+5614),Cate(+8127)	N/A
Chr5	115359014	115359114	Chr5.94831	Msi1(-70535),Cox6a1(-10083)	N/A
Chr5	115373990	115374153	Chr5.94833	Msi1(-55527),Cox6a1(-25091)	N/A
Chr5	115392006	115392360	Chr5.94837	Cox6a1(-43202),Msi1(-37416)	N/A
Chr5	115394337	115394572	Chr5.94843	Cox6a1(-45474),Msi1(-35144)	N/A
Chr5	115394662	115394874	Chr5.94848	Cox6a1(-49612),Msi1(-31069)	N/A
Chr5	115404401	115404668	Chr5.94852	Cox6a1(-55554),Msi1(-25064)	N/A
Chr5	115427246	115427374	Chr5.94863	Msi1(-2289)	N/A
Chr5	115431147	115431305	Chr5.94871	Msi1(+1627),4930430c22rk(+5380)	N/A
Chr5	115431730	115432069	Chr5.94877	Msi1(+2301),4930430c22rk(+4706)	N/A
Chr5	115432655	115432756	Chr5.94881	Msi1(+11077),4930430c22rk(+3900)	N/A
Chr5	115434782	115435053	Chr5.94883	4930430c22rk(+1668),Msi1(+5309)	N/A
Chr5	115435728	115435864	Chr5.94889	4930430c22rk(+810)	N/A
Chr5	115438153	115438305	Chr5.94901	4930430c22rk(-1623)	N/A
Chr5	115438805	115438945	Chr5.94904	4930430c22rk(-2269)	N/A
Chr5	115453822	115453922	Chr5.94933	4930430c22rk(-17268),Pia2g1b(-12394)	N/A
Chr5	115454320	115454496	Chr5.94934	4930430c22rk(-17802),Pia2g1b(-11855)	N/A
Chr5	115454885	115454985	Chr5.94937	4930430c22rk(-18329),Pia2g1b(-11331)	N/A
Chr5	115459144	115459274	Chr5.94942	4930430c22rk(-22603),Pia2g1b(-7057)	N/A
Chr5	115508916	115509051	Chr5.95040	Rplp0(-50483),Pxn(+2176)	N/A
Chr5	115509932	115510039	Chr5.95045	Rplp0(-49481),Pxn(+3178)	N/A
Chr5	115515167	115515346	Chr5.95051	Rplp0(-44209),Pxn(+8450)	N/A
Chr5	115516519	115516638	Chr5.95055	Rplp0(-42888),Pxn(+9771)	N/A
Chr5	115520676	115520787	Chr5.95061	Rplp0(-38735),Pxn(+13924)	N/A
Chr5	115531712	115531862	Chr5.95068	Rplp0(-27680),Pxn(+24979)	N/A
Chr5	115534214	115534324	Chr5.95073	Rplp0(-25198),Pxn(+27461)	N/A
Chr5	115535083	115535286	Chr5.95077	Rplp0(-24262),Pxn(+26377)	N/A
Chr5	115542823	115542947	Chr5.95088	Rplp0(-16582),Pxn(-38077)	N/A
Chr5	115550118	115550391	Chr5.95140	Rplp0(-9212),Pxn(+43447)	N/A
Chr5	115554918	115555041	Chr5.95182	Rplp0(-4467)	N/A
Chr5	115555867	115555988	Chr5.95187	Rplp0(-3539)	N/A
Chr5	16469966	16470268	Chr5.9524	Hgf(-83433),Cacna2d1(+535426)	N/A
Chr5	16470416	16470797	Chr5.9526	Hgf(-82943),Cacna2d1(+535916)	N/A
Chr5	115633142	115633282	Chr5.95502	Rab35(-1253),Bicd1(+98409)	N/A
Chr5	115647628	115647776	Chr5.95533	Rab35(+15773),Bicd1(+83919)	N/A
Chr5	115648174	115648381	Chr5.95534	Rab35(+16349),Bicd1(+83343)	N/A
Chr5	115651150	115651289	Chr5.95542	Rab35(+19291),Bicd1(+80401)	N/A
Chr5	115672082	115672249	Chr5.95586	Rab35(+40237),Bicd1(+59455)	N/A
Chr5	115726599	115726795	Chr5.95624	Bicd1(+4924),Rab35(+94769)	N/A
Chr5	115730733	115730921	Chr5.95637	Bicd1(+794)	N/A
Chr5	115745153	115745270	Chr5.95653	Ctl(-100432),Bicd1(-13591)	N/A
Chr5	115745310	115745453	Chr5.95655	Ctl(-100262),Bicd1(-13761)	N/A
Chr5	115858900	115859097	Chr5.95708	Ctl(+13355),Prkab1(+165463)	N/A
Chr5	115909687	115907097	Chr5.95788	Ctl(+61398),Prkab1(+117420)	N/A
Chr5	115907391	115907607	Chr5.95792	Ctl(+61855),Prkab1(+116963)	N/A
Chr5	115907655	115907786	Chr5.95794	Ctl(+62077),Prkab1(+116741)	N/A
Chr5	115908336	115908562	Chr5.95806	Ctl(+62805),Prkab1(+116013)	N/A
Chr5	115945012	115945160	Chr5.95956	Prkab1(+79376),Ct(+99442)	N/A
Chr5	16541785	16541975	Chr5.9599	Hgf(-11670),Cacna2d1(+607189)	N/A
Chr5	115977549	115977656	Chr5.96037	Prkab1(+46859),Ct(+131959)	N/A
Chr5	115986995	115986223	Chr5.96073	Prkab1(-38333),Ct(+140465)	N/A
Chr5	16553390	16553658	Chr5.9613	Hgf(-26)	N/A
Chr5	16007014	16007299	Chr5.96136	Prkab1(+17305),Ct(+161513)	N/A
Chr5	16007692	16007811	Chr5.96143	Prkab1(+16710),Ct(+162108)	N/A
Chr5	16008627	16008840	Chr5.96154	Prkab1(+15728),Ct(+163090)	N/A
Chr5	16554749	16554871	Chr5.9623	Hgf(-1260),Gm8991(+17626)	N/A
Chr5	16108815	16108919	Chr5.96234	Tmem233(-25623),Cdc60(+180118)	N/A
Chr5	16555343	16555512	Chr5.9626	Hgf(+1878),Gm8991(+175646)	N/A
Chr5	161059023	161059152	Chr5.96281	Tmem233(-75844),Cdc60(+129897)	N/A
Chr5	16278696	16278809	Chr5.96421	Tmem233(-195509),Cdc60(+10232)	N/A
Chr5	16288155	16288271	Chr5.96429	Cdc60(+772)	N/A
Chr5	16312305	16312677	Chr5.96448	Cdc60(-23508),Hspb8(+10373)	N/A
Chr5	16322652	16322894	Chr5.96458	Cdc60(-33788),Hspb8(+100091)	N/A
Chr5	16333683	16333800	Chr5.96471	Cdc60(-44757),Hspb8(+89122)	N/A
Chr5	16390148	16390257	Chr5.96510	Cdc60(-101218),Hspb8(+32661)	N/A
Chr5	16569667	16569880	Chr5.96738	Hspb8(-146910),Srm4(+22043)	N/A
Chr5	16571278	16571415	Chr5.96742	Hspb8(-146483),Srm4(+20470)	N/A
Chr5	16582387	16582523	Chr5.96790	Srm4(-638)	N/A

Chf5	116700679	116700824	Chf5.96864	493056906rik(-120702),Srrm4(-108935)	N/A
Chf5	117085048	117085154	Chf5.97117	Suds3(+30892),493056906rik(+263647)	N/A
Chf5	117103695	117103875	Chf5.97154	Suds3(+12208),493056906rik(+263347)	N/A
Chf5	117120037	117120174	Chf5.97188	Suds3(+1113),Taok3(+23)	N/A
Chf5	117134091	117134208	Chf5.97205	Taok3(+14021),Pebp1(+153475)	N/A
Chf5	117135944	117136093	Chf5.97210	Taok3(+15890),Pebp1(+151606)	N/A
Chf5	117140347	117140507	Chf5.97215	Taok3(+20298),Pebp1(+147198)	N/A
Chf5	117153465	117153746	Chf5.97221	Taok3(+33477),Pebp1(+134019)	N/A
Chf5	117240084	117240572	Chf5.97274	Pebp1(+47292),Taok3(+120204)	N/A
Chf5	117240601	117241320	Chf5.97278	Pebp1(+46564),Taok3(+120832)	N/A
Chf5	117241515	117241621	Chf5.97282	Pebp1(+46057),Taok3(+121439)	N/A
Chf5	117241792	117242107	Chf5.97286	Pebp1(+45675),Taok3(+121821)	N/A
Chf5	117242188	117242420	Chf5.97291	Pebp1(+45321),Taok3(+122175)	N/A
Chf5	117242598	117242771	Chf5.97295	Pebp1(+44940),Taok3(+122558)	N/A
Chf5	117241405	117214286	Chf5.97329	Pebp1(+13424),Taok3(+154072)	N/A
Chf5	117358146	117358271	Chf5.97424	Wsb2(+905)	N/A
Chf5	117389024	117389137	Chf5.97519	Rfc5(-34)	N/A
Chf5	117414450	117414608	Chf5.97540	Ksr2(+529)	N/A
Chf5	117441468	117441624	Chf5.97560	Nos1(-400304),Ksr2(+27546)	N/A
Chf5	117493097	117493199	Chf5.97588	Nos1(-348702),Ksr2(+79148)	N/A
Chf5	117523490	117523642	Chf5.97613	Nos1(-318281),Ksr2(+109569)	N/A
Chf5	117551302	117551402	Chf5.97637	Nos1(-290498),Ksr2(+137352)	N/A
Chf5	117605703	117605970	Chf5.97704	Nos1(-236013),Ksr2(+191837)	N/A
Chf5	117665009	117665170	Chf5.97766	Nos1(-176780),Ksr2(+251090)	N/A
Chf5	117665048	117665531	Chf5.97772	Nos1(-176381),Ksr2(+251469)	N/A
Chf5	117675896	117676031	Chf5.97789	Nos1(-165886),Ksr2(+261264)	N/A
Chf5	117721010	117721156	Chf5.97875	Nos1(-120767),Ksr2(+307083)	N/A
Chf5	117780978	117781110	Chf5.97944	Nos1(-60806),Ksr2(+367044)	N/A
Chf5	117864963	117865099	Chf5.97980	Fbxo21(-117139),Nos1(+23181)	N/A
Chf5	16778367	16778526	Chf5.9807	Speer4f2(-594761),Gm8991(-47373)	N/A
Chf5	16778596	16779046	Chf5.9810	Speer4f2(-594368),Gm8991(-47748)	N/A
Chf5	117979235	117979338	Chf5.98181	Tsac(-48456),Fbxo21(+2517)	N/A
Chf5	118072659	118072772	Chf5.98289	Gm9754(+7356),Fbxw8(+82742)	N/A
Chf5	118073126	118073399	Chf5.98293	Gm9754(+7903),Fbxw8(+82195)	N/A
Chf5	118076762	118076985	Chf5.98303	Gm9754(+11514),Fbxw8(+78584)	N/A
Chf5	118077202	118077480	Chf5.98311	Gm9754(+11981),Fbxw8(+78117)	N/A
Chf5	118079630	118080042	Chf5.98319	Gm9754(+14476),Fbxw8(+75622)	N/A
Chf5	118084002	118084372	Chf5.98324	Gm9754(+18827),Fbxw8(+71271)	N/A
Chf5	118084491	118084619	Chf5.98329	Gm9754(+19195),Fbxw8(+70903)	N/A
Chf5	118089264	118089558	Chf5.98335	Gm9754(+24051),Fbxw8(+66047)	N/A
Chf5	118095899	118096997	Chf5.98341	Gm9754(+24283),Fbxw8(+65815)	N/A
Chf5	118099477	118100067	Chf5.98368	Gm9754(+34412),Fbxw8(+55088)	N/A
Chf5	118108995	118109038	Chf5.98375	Gm9754(+34037),Fbxw8(+46591)	N/A
Chf5	118114274	118114379	Chf5.98393	Fbxw8(+41131),Gm9754(+48967)	N/A
Chf5	118117034	118117261	Chf5.98394	Fbxw8(+38310),Gm9754(+51788)	N/A
Chf5	118118913	118119044	Chf5.98404	Fbxw8(+36479),Gm9754(+53619)	N/A
Chf5	118119365	118119568	Chf5.98408	Fbxw8(+35991),Gm9754(+54107)	N/A
Chf5	118123157	118123465	Chf5.98416	Fbxw8(+32147),Gm9754(+57951)	N/A
Chf5	118128286	118128405	Chf5.98425	Fbxw8(+27112),Gm9754(+62966)	N/A
Chf5	118143240	118143456	Chf5.98459	Fbxw8(+12110),Gm9754(+77988)	N/A
Chf5	118184565	118184789	Chf5.98490	Hhk(+14913),Rnf2(+60184)	N/A
Chf5	118186783	118186919	Chf5.98504	Hhk(+17087),Rnf2(+58010)	N/A
Chf5	118192007	118192125	Chf5.98520	Hhk(+22302),Rnf2(+52795)	N/A
Chf5	118207022	118207188	Chf5.98545	Hhk(+37241),Rnf2(+37756)	N/A
Chf5	118217531	118217773	Chf5.98548	Rnf2(+27209),Hhk(+47888)	N/A
Chf5	118223232	118223482	Chf5.98556	Rnf2(+21504),Hhk(+53593)	N/A
Chf5	118274683	118275021	Chf5.98637	Med13(-285867),2410131k14rik(+29625)	N/A
Chf5	118276847	118277055	Chf5.98639	Med13(-283768),2410131k14rik(+31724)	N/A
Chf5	118284454	118284872	Chf5.98653	Med13(-260506),2410131k14rik(+49436)	N/A
Chf5	118302953	118303053	Chf5.98665	Med13(-257716),2410131k14rik(+57776)	N/A
Chf5	118318967	118319096	Chf5.98680	Med13(-241687),2410131k14rik(+73805)	N/A
Chf5	118321851	118321951	Chf5.98685	Med13(-238818),2410131k14rik(+76674)	N/A
Chf5	118327138	118327383	Chf5.98687	Med13(-233458),2410131k14rik(+82034)	N/A
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Chf5	118329308	118329478	Chf5.98698	Med13(-232326),2410131k14rik(+83168)	N/A
Chf5	118329405	118329568	Chf5.98704	Med13(-231232),2410131k14rik(+84260)	N/A
Chf5	118331819	118331960	Chf5.98708	Med13(-228829),2410131k14rik(+86663)	N/A
Chf5	118338335	118338530	Chf5.98712	Med13(-222286),2410131k14rik(+93200)	N/A
Chf5	118365242	118365390	Chf5.98740	Med13(-195403),2410131k14rik(+120089)	N/A
Chf5	118367249	118367374	Chf5.98744	Med13(-193407),2410131k14rik(+122085)	N/A
Chf5	118373754	118373883	Chf5.98746	Med13(-18910),2410131k14rik(+126582)	N/A
Chf5	118377568	118377702	Chf5.98751	Med13(-183084),2410131k14rik(+132408)	N/A
Chf5	118380616	118380916	Chf5.98754	Med13(-179953),2410131k14rik(+135539)	N/A
Chf5	118386234	118386407	Chf5.98761	Med13(-174398),2410131k14rik(+141094)	N/A
Chf5	11838873	118388730	Chf5.98765	Med13(-172087),2410131k14rik(+143425)	N/A
Chf5	118422238	118422356	Chf5.98785	Med13(-138422),2410131k14rik(+177070)	N/A
Chf5	118425214	118425337	Chf5.98789	Med13(-135443),2410131k14rik(+180049)	N/A
Chf5	118461675	118461777	Chf5.98821	Med13(-98993),2410131k14rik(+21649)	N/A
Chf5	118465648	118465830	Chf5.98823	Med13(-94980),2410131k14rik(+220512)	N/A
Chf5	118471586	118471737	Chf5.98831	Med13(-89057),2410131k14rik(+226435)	N/A
Chf5	118471819	118471939	Chf5.98835	Med13(-88840),2410131k14rik(+226552)	N/A
Chf5	118476712	118476910	Chf5.98846	Med13(-83908),2410131k14rik(+231584)	N/A
Chf5	118478377	118478480	Chf5.98851	Med13(-82290),2410131k14rik(+233202)	N/A
Chf5	118489085	118489190	Chf5.98858	Med13(-71581),2410131k14rik(+243911)	N/A
Chf5	118513267	118513478	Chf5.98877	Med13(-47346),2410131k14rik(+268146)	N/A
Chf5	118513881	118514362	Chf5.98879	Med13(-46597),2410131k14rik(+268995)	N/A
Chf5	118514731	118514834	Chf5.98890	Med13(-45836),2410131k14rik(+269556)	N/A
Chf5	118515389	118515714	Chf5.98893	Med13(-45167),2410131k14rik(+270325)	N/A
Chf5	118532136	118532571	Chf5.98906	Med13(-28365),2410131k14rik(+287127)	N/A
Chf5	118532732	118532892	Chf5.98915	Med13(-27907),2410131k14rik(+287585)	N/A
Chf5	118534932	118535155	Chf5.98921	Med13(-25675),2410131k14rik(+289817)	N/A
Chf5	118535322	118535483	Chf5.98926	Med13(-25316),2410131k14rik(+290176)	N/A
Chf5	118539488	118539696	Chf5.98928	Med13(-22127),2410131k14rik(+293365)	N/A
Chf5	118556428	118556537	Chf5.98948	Med13(-4236)	N/A
Chf5	118561296	118561519	Chf5.98951	Med13(+689)	N/A
Chf5	118561675	118562120	Chf5.98952	Med13(+1179)	N/A
Chf5	118562170	118562371	Chf5.98954	Med13(+1552)	N/A
Chf5	118562620	118562759	Chf5.98957	Med13(+1971)	N/A
Chf5	118563038	118564054	Chf5.98964	Med13(+3277)	N/A
Chf5	118575260	118575364	Chf5.98988	Med13(+14593)	N/A
Chf5	118589619	118589749	Chf5.98996	Med13(+28965)	N/A
Chf5	118600040	118600207	Chf5.99011	Med13(+39405)	N/A
Chf5	118619132	118619266	Chf5.99030	Med13(+58480)	N/A
Chf5	118619299	118619461	Chf5.99032	Med13(+58661)	N/A
Chf5	118638676	118638869	Chf5.99047	Med13(+78054)	N/A
Chf5	118653795	118653916	Chf5.99064	Med13(+93137)	N/A
Chf5	118662042	118662197	Chf5.99072	Med13(+101401)	N/A
Chf5	118666784	118667271	Chf5.99076	Med13(+106309)	N/A
Chf5	118668634	118669343	Chf5.99088	Med13(+108420)	N/A
Chf5	118706078	118706250	Chf5.99112	Tbx3(-964554),Med13(+145445)	N/A
Chf5	118706538	118706882	Chf5.99115	Tbx3(-964308),Med13(+145991)	N/A
Chf5	118730066	118730305	Chf5.99167	Tbx3(-940832),Med13(+169467)	N/A
Chf5	118803867	118804063	Chf5.99314	Tbx3(-867053),Med13(+243246)	N/A
Chf5	118818453	118818693	Chf5.99329	Tbx3(-852443),Med13(+257854)	N/A
Chf5	118829259	118829431	Chf5.99331	Tbx3(-841673),Med13(+268686)	N/A
Chf5	118829503	118829687	Chf5.99334	Tbx3(-841423),Med13(+268876)	N/A
Chf5	118841143	118841772	Chf5.99346	Tbx3(-829560),Med13(+280739)	N/A
Chf5	118854565	118854692	Chf5.99369	Tbx3(-816389),Med13(+293910)	N/A
Chf5	118857243	118857357	Chf5.99379	Tbx3(-813718),Med13(+296581)	N/A
Chf5	118874271	118874422	Chf5.99405	Tbx3(-796671),Med13(+313628)	N/A
Chf5	118876051	118876303	Chf5.99420	Tbx3(-794941),Med13(+315458)	N/A
Chf5	118876612	118876716	Chf5.99428	Tbx3(-794354),Med13(+315945)	N/A
Chf5	118878749	118878877	Chf5.99443	Tbx3(-792205),Med13(+318094)	N/A
Chf5	118903124	118903226	Chf5.99486	Tbx3(-740843),Med13(+369456)	N/A
Chf5	118930264	118930480	Chf5.99489	Tbx3(-740546),Med13(+369553)	N/A
Chf5	118939835	118939952	Chf5.99499	Tbx3(-731124),Med13(+379175)	N/A
Chf5	118967769	118967943	Chf5.99535	Tbx3(-703162),Med13(+407137)	N/A
Chf5	118972985	118973097	Chf5.99539	Tbx3(-697977),Med13(+412322)	N/A
Chf5	118981040	118981432	Chf5.99546	Tbx3(-689782),Med13(+420517)	N/A
Chf5	118987489	118987691	Chf5.99556	Tbx3(-683428),Med13(+426871)	N/A
Chf5	118987912	118988075	Chf5.99556	Speer4f2(-405214),Gm8991(-238920)	N/A
Chf5	118994812	118994939	Chf5.99573	Tbx3(-676142),Med13(+54157)	N/A
Chf5	118999333	118999462	Chf5.99578	Tbx3(-671620),Med13(+438679)	N/A
Chf5	119005811	119005916	Chf5.99582	Tbx3(-665154),Med13(+445145)	N/A
Chf5	119006305	119006477	Chf5.99586	Tbx3(-664627),Med13(+445672)	N/A
Chf5	119007836	119007944	Chf5.99589	Tbx3(-663128),Med13(+447171)	N/A
Chf5	119015582	119015821	Chf5.99607	Tbx3(-665261),Med13(+455050)	N/A
Chf5	119015966	119016145	Chf5.99612	Tbx3(-654962),Med13(+455337)	N/A

Chr5	119023905	119024016	Chr5.99617	Tbx3(-647057),Med13(+463242)	N/A
Chr5	119050985	119051220	Chr5.99650	Tbx3(-619915),Med13(+490384)	N/A
Chr5	119052721	119052904	Chr5.99660	Tbx3(-618205),Med13(+492094)	N/A
Chr5	119055477	119055786	Chr5.99663	Tbx3(-615366),Med13(+494917)	N/A
Chr5	119058646	119058779	Chr5.99671	Tbx3(-612305),Med13(+497994)	N/A
Chr5	119069990	119070188	Chr5.99687	Tbx3(-600929),Med13(+509370)	N/A
Chr5	119082965	119083134	Chr5.99695	Tbx3(-587968),Med13(+522331)	N/A
Chr5	119085598	119085892	Chr5.99699	Tbx3(-585273),Med13(+525026)	N/A
Chr5	119097601	119097774	Chr5.99716	Tbx3(-573330),Med13(+536969)	N/A
Chr5	119133631	119133760	Chr5.99756	Tbx3(-537323),Med13(+572977)	N/A
Chr5	119137687	119137950	Chr5.99761	Tbx3(-533199),Med13(+577100)	N/A
Chr5	119139186	119139349	Chr5.99769	Tbx3(-531750),Med13(+578549)	N/A
Chr5	119143549	119143874	Chr5.99776	Tbx3(-527306),Med13(+582993)	N/A
Chr5	119149594	119149608	Chr5.99782	Tbx3(-521267),Med13(+589032)	N/A
Chr5	119162281	119162472	Chr5.99799	Tbx3(-508641),Med13(+601658)	N/A
Chr5	119167853	119168007	Chr5.99801	Tbx3(-503088),Med13(+607211)	N/A
Chr5	119205027	119205242	Chr5.99839	Tbx3(-465883),Med13(+644416)	N/A
Chr5	119215491	119215754	Chr5.99848	Tbx3(-455395),Med13(+654904)	N/A
Chr5	119217251	119217455	Chr5.99849	Tbx3(-453665),Med13(+656634)	N/A
Chr5	119247060	119247172	Chr5.99892	Tbx3(-423902),Med13(+686397)	N/A
Chr5	119251617	119251720	Chr5.99898	Tbx3(-418349),Med13(+690950)	N/A
Chr5	119257961	119258063	Chr5.99906	Tbx3(-413056),Med13(+697243)	N/A
Chr5	119261252	119261551	Chr5.99911	Tbx3(-409616),Med13(+700683)	N/A
Chr5	119265244	119265411	Chr5.99914	Tbx3(-405690),Med13(+704609)	N/A
Chr5	119266239	119266426	Chr5.99923	Tbx3(-404685),Med13(+705814)	N/A
Chr5	119271469	119271657	Chr5.99927	Tbx3(-399455),Med13(+710844)	N/A
Chr5	119271825	119272052	Chr5.99930	Tbx3(-399079),Med13(+711220)	N/A
Chr5	119274869	119275158	Chr5.99937	Tbx3(-396004),Med13(+714295)	N/A
Chr5	119289977	119290094	Chr5.99952	Tbx3(-380982),Med13(+729317)	N/A
Chr5	119304647	119304802	Chr5.99991	Tbx3(-366293),Med13(+744006)	N/A
Chr6	115232619	115232818	Chr6.100017	Timp4(+19134),Syn2(+97813)	N/A
Chr6	115232165	115232387	Chr6.100062	Timp4(+427)	N/A
Chr6	115270346	115270506	Chr6.100077	Pparg(-151640),Timp4(-18577)	N/A
Chr6	115272001	115272249	Chr6.100082	Pparg(-149941),Timp4(-20276)	N/A
Chr6	115274899	115275182	Chr6.100098	Pparg(-147025),Timp4(-23192)	N/A
Chr6	115318932	115319046	Chr6.100147	Pparg(-103077),Timp4(-67140)	N/A
Chr6	115322384	115322384	Chr6.100198	Timp4(+110474),Pparg(-59743)	N/A
Chr6	115480551	115480555	Chr6.100398	Tsen2(-64061),Pparg(-58537)	N/A
Chr6	115493546	115493679	Chr6.100428	Tsen2(-51051),Pparg(+71547)	N/A
Chr6	115499728	115499966	Chr6.100433	Tsen2(-44817),Pparg(+77781)	N/A
Chr6	115511636	115511772	Chr6.100453	Tsen2(-32960),Pparg(-89638)	N/A
Chr6	115522962	115523081	Chr6.100486	Tsen2(-21642),Pparg(+100959)	N/A
Chr6	115535181	115535294	Chr6.100479	Tsen2(-19437),Pparg(+13167)	N/A
Chr6	115539122	115539305	Chr6.100484	Tsen2(-5450),Pparg(+117148)	N/A
Chr6	115666793	115666928	Chr6.100648	Raf1(+9774),Mkm2(+64923)	N/A
Chr6	115674522	115674650	Chr6.100659	Raf1(+2049),Mkm2(+72648)	N/A
Chr6	115684563	115684759	Chr6.100674	Raf1(-18026),Tmem40(+67805)	N/A
Chr6	115807977	115808113	Chr6.100680	Rpl32(+702)	N/A
Chr6	115808674	115808778	Chr6.100686	Rpl32(+21)	N/A
Chr6	115891074	115891205	Chr6.100697	Rho(-40787),H122(+37610)	N/A
Chr6	115903510	115903622	Chr6.101031	Rho(-28361),H122(+50036)	N/A
Chr6	115904583	115904704	Chr6.101032	Rho(-27283),H122(+51114)	N/A
Chr6	115908226	115908423	Chr6.101050	Rho(-23602),H122(+54795)	N/A
Chr6	115931762	115931862	Chr6.101146	Rho(-115)	N/A
Chr6	115942280	115942395	Chr6.101205	H1f8(-2600)	N/A
Chr6	115998992	115999127	Chr6.101440	Ptxnd1(-4065)	N/A
Chr6	116006836	116006975	Chr6.101449	Ptxnd1(-11901),Tmcc1(+186580)	N/A
Chr6	116037489	116037600	Chr6.101489	Ptxnd1(-42540),Tmcc1(+155941)	N/A
Chr6	116056514	116056745	Chr6.101502	Ptxnd1(-61626),Tmcc1(+136856)	N/A
Chr6	116056775	116056898	Chr6.101504	Ptxnd1(-61532),Tmcc1(+136649)	N/A
Chr6	116072982	116073321	Chr6.101515	Ptxnd1(-78147),Tmcc1(+120334)	N/A
Chr6	116107567	116107676	Chr6.101533	Ptxnd1(-112617),Tmcc1(+85864)	N/A
Chr6	116107858	116107999	Chr6.101535	Ptxnd1(-112924),Tmcc1(+85557)	N/A
Chr6	116191808	116192010	Chr6.101565	Ptxnd1(-196904),Tmcc1(+1577)	N/A
Chr6	116385963	116386125	Chr6.101735	March8(+6026),Alox5(+5119)	N/A
Chr6	116405175	116405294	Chr6.101782	Alox5(+55943),March8(+67202)	N/A
Chr6	116650546	116650664	Chr6.102047	Depp1(-79)	N/A
Chr6	116775233	116775332	Chr6.102099	Cxcl12(-393294),Tmem72(-58370)	N/A
Chr6	116848592	116848844	Chr6.102131	Cxcl12(-319859),Tmem72(-131805)	N/A
Chr6	116892686	116892686	Chr6.102146	Cxcl12(-274152),Tmem72(-178512)	N/A
Chr6	116940980	116941086	Chr6.102173	Cxcl12(-227544),Tmem72(-221120)	N/A
Chr6	116946221	116946509	Chr6.102179	Tmem72(-229452),Cxcl12(-222212)	N/A
Chr6	116967920	116968250	Chr6.102194	Tmem72(-251172),Cxcl12(-200492)	N/A
Chr6	117081568	117081667	Chr6.102251	Tmem72(-364705),Cxcl12(-86959)	N/A
Chr6	117085044	117085437	Chr6.102260	Tmem72(-368328),Cxcl12(-83336)	N/A
Chr6	117137948	117138062	Chr6.102289	Tmem72(-421092),Cxcl12(-30372)	N/A
Chr6	117151808	117151923	Chr6.102291	Tmem72(-434953),Cxcl12(-16711)	N/A
Chr6	117160295	117160699	Chr6.102296	Tmem72(-443584),Cxcl12(-8080)	N/A
Chr6	117170914	117171041	Chr6.102315	Cxcl12(+2401),Rpl28-ps4(+43070)	N/A
Chr6	117175392	117175550	Chr6.102343	Cxcl12(+6894),Rpl28-ps4(+38577)	N/A
Chr6	117280126	117280264	Chr6.102394	Zfp637(-581051),Rpl28-ps4(-66147)	N/A
Chr6	117332628	117332654	Chr6.102411	Zfp637(-509455),Rpl28-ps4(-18143)	N/A
Chr6	117407268	117407624	Chr6.102426	Zfp637(-433800),Rpl28-ps4(-193398)	N/A
Chr6	117427702	117427839	Chr6.102437	Zfp637(-413475),Rpl28-ps4(-213723)	N/A
Chr6	117428763	117428887	Chr6.102449	Zfp637(-412421),Rpl28-ps4(-214777)	N/A
Chr6	117434272	117434413	Chr6.102457	Zfp637(-406903),Rpl28-ps4(-220295)	N/A
Chr6	117437329	117437965	Chr6.102469	Zfp637(-403399),Rpl28-ps4(-221799)	N/A
Chr6	117479443	117479615	Chr6.102532	Zfp637(-361717),Rpl28-ps4(-265481)	N/A
Chr6	117525256	117525747	Chr6.102575	Rpl28-ps4(-338604),Zfp637(-288594)	N/A
Chr6	117609662	117609764	Chr6.102623	Rpl28-ps4(-395665),Zfp637(-231533)	N/A
Chr6	117613898	117614071	Chr6.102629	Rpl28-ps4(-399937),Zfp637(-227261)	N/A
Chr6	117614166	117614309	Chr6.102633	Rpl28-ps4(-400190),Zfp637(-227008)	N/A
Chr6	117617898	117618038	Chr6.102637	Rpl28-ps4(-403915),Zfp637(-223283)	N/A
Chr6	117646611	117646724	Chr6.102649	Rpl28-ps4(-432620),Zfp637(-194578)	N/A
Chr6	117671097	117671347	Chr6.102663	Rpl28-ps4(-457174),Zfp637(-170024)	N/A
Chr6	117820412	117820550	Chr6.102696	Rpl28-ps4(-606433),Zfp637(-20765)	N/A
Chr6	118074323	118074443	Chr6.102749	Rasgef1b(+7958),Caglna2d1(+64757)	N/A
Chr6	118205655	118205779	Chr6.102995	Ret(-7973),Bms1(+213700)	N/A
Chr6	118315223	118315376	Chr6.103038	Ret(-117556),Bms1(+10417)	N/A
Chr6	118315563	118315671	Chr6.103040	Ret(-117873),Bms1(+103800)	N/A
Chr6	118336792	118336968	Chr6.103042	Ret(-139136),Bms1(+82537)	N/A
Chr6	118376252	118376365	Chr6.103061	Ret(-178565),Bms1(+43108)	N/A
Chr6	118593143	118593244	Chr6.103281	Ankrd26(-30938),Cacna1c(+187130)	N/A
Chr6	119639830	119639957	Chr6.103367	Ankrd26(-77638),Cacna1c(+140430)	N/A
Chr6	118753908	118754049	Chr6.103517	Ankrd26(-191723),Cacna1c(-26345)	N/A
Chr6	118791166	118791316	Chr6.103531	Dcp1b(-384011),Cacna1c(-10917)	N/A
Chr6	118795829	118795962	Chr6.103533	Dcp1b(-379356),Cacna1c(-15572)	N/A
Chr6	118825581	118825737	Chr6.103544	Dcp1b(-349593),Cacna1c(-45338)	N/A
Chr6	118846017	118846156	Chr6.103570	Dcp1b(-329165),Cacna1c(-65763)	N/A
Chr6	118903351	118903490	Chr6.103611	Dcp1b(-266827),Cacna1c(-128101)	N/A
Chr6	118935796	118935945	Chr6.103636	Dcp1b(-230381),Cacna1c(-155547)	N/A
Chr6	118963593	118963769	Chr6.103691	Dcp1b(-21571),Cacna1c(-183357)	N/A
Chr6	118970925	118971037	Chr6.103694	Dcp1b(-204271),Cacna1c(-190657)	N/A
Chr6	118980364	118980464	Chr6.103699	Cacna1c(-200900),Dcp1b(-194838)	N/A
Chr6	14898231	14898394	Chr6.10372	Foxp2(-3036)	N/A
Chr6	119051932	119052112	Chr6.103754	Cacna1c(-271698),Dcp1b(-123230)	N/A
Chr6	119052878	119053011	Chr6.103765	Cacna1c(-272621),Dcp1b(-122307)	N/A
Chr6	14899505	14899613	Chr6.10377	Foxp2(-1790)	N/A
Chr6	119084771	119084907	Chr6.103807	Cacna1c(-304515),Dcp1b(-90413)	N/A
Chr6	119103319	119103447	Chr6.103814	Cacna1c(-323059),Dcp1b(-71869)	N/A
Chr6	119105321	119105480	Chr6.103820	Cacna1c(-325077),Dcp1b(-69851)	N/A
Chr6	119105993	119106129	Chr6.103821	Cacna1c(-325737),Dcp1b(-69191)	N/A
Chr6	119107073	119107243	Chr6.103824	Cacna1c(-326834),Dcp1b(-68094)	N/A
Chr6	119108151	119108268	Chr6.103826	Cacna1c(-327886),Dcp1b(-67042)	N/A
Chr6	119109139	119109263	Chr6.103829	Cacna1c(-328877),Dcp1b(-66051)	N/A
Chr6	14900943	14900856	Chr6.10385	Foxp2(-599)	N/A
Chr6	119195513	119196708	Chr6.103898	Cacna2d4(-39915),Dcp1b(+21359)	N/A
Chr6	119221810	119221921	Chr6.103959	Cacna2d4(-14660),Dcp1b(+46614)	N/A
Chr6	14903703	14903837	Chr6.10399	Mdfr(-816891),Foxp2(+2421)	N/A
Chr6	119438377	119438481	Chr6.104249	Fbx11(+41239),Adipo2(-20946)	N/A
Chr6	119445660	119445781	Chr6.104264	Fbx11(+33947),Adipo2(-28238)	N/A
Chr6	119449245	119449388	Chr6.104277	Adipo2(-31634),Fbx11(+30381)	N/A
Chr6	119449419	119449576	Chr6.104280	Adipo2(-32015),Fbx11(+30170)	N/A
Chr6	119449623	119449793	Chr6.104282	Adipo2(-32225),Fbx11(+29960)	N/A
Chr6	119481373	119481522	Chr6.104303	Fbx11(+1780),Wnt5b(+62899)	N/A
Chr6	119483145	119483304	Chr6.104316	Fbx11(+3557),Wnt5b(+61122)	N/A
Chr6	119485596	119485717	Chr6.104323	Fbx11(+5989),Wnt5b(+58690)	N/A
Chr6	119492237	119492470	Chr6.104328	Fbx11(+12668),Wnt5b(+51993)	N/A

Chr6	119545175	119545314	Chr6.104359	<i>Wnt5b(-898)</i>	N/A
Chr6	119565636	119565835	Chr6.104365	<i>Wnt5b(-21389),Erc1(+259490)</i>	N/A
Chr6	119635820	119635996	Chr6.104452	<i>Wnt5b(-91561),Erc1(+189318)</i>	N/A
Chr6	119643869	119644058	Chr6.104457	<i>Wnt5b(-99617),Erc1(+161262)</i>	N/A
Chr6	119661108	119661130	Chr6.104472	<i>Wnt5b(-116872),Erc1(+164007)</i>	N/A
Chr6	119674321	119674499	Chr6.104477	<i>Wnt5b(-130063),Erc1(+150816)</i>	N/A
Chr6	119924146	119924366	Chr6.104650	<i>Rad52(+21553),Wnk1(+114399)</i>	N/A
Chr6	119952163	119952357	Chr6.104774	<i>Rad52(+49557),Wnk1(+86395)</i>	N/A
Chr6	120039050	120039171	Chr6.104885	<i>Wnk1(-456)</i>	N/A
Chr6	120114823	120114925	Chr6.104930	<i>Ninj2(+21524),Bqpalnt3(+179685)</i>	N/A
Chr6	120302643	120302762	Chr6.105101	<i>Bqpalnt3(-8144),Ccnd77(+54726)</i>	N/A
Chr6	120302802	120303088	Chr6.105103	<i>Bqpalnt3(-8386),Ccnd77(+54484)</i>	N/A
Chr6	120580138	120580359	Chr6.105381	<i>Cecr2(-86172),Hhdn5(-48930)</i>	N/A
Chr6	120580638	120580821	Chr6.105384	<i>Cecr2(-86691),Hhdn5(-49411)</i>	N/A
Chr6	120592356	120592594	Chr6.105389	<i>Cecr2(-73946),Hhdn5(-61156)</i>	N/A
Chr6	120652724	120652907	Chr6.105397	<i>Hhdn5(-121497),Cecr2(-13605)</i>	N/A
Chr6	120667831	120668060	Chr6.105405	<i>Slc25a18(-105822),Cecr2(+1525)</i>	N/A
Chr6	120715873	120715981	Chr6.105423	<i>Slc25a18(-57841),Cecr2(+49506)</i>	N/A
Chr6	120716640	120716752	Chr6.105426	<i>Slc25a18(-57072),Cecr2(+50275)</i>	N/A
Chr6	120716782	120716917	Chr6.105428	<i>Slc25a18(-56918),Cecr2(+50429)</i>	N/A
Chr6	14465538	14465640	Chr6.1059	<i>Bet1(-378617),Col1a2(-39904)</i>	N/A
Chr6	120966046	120966151	Chr6.105801	<i>Bid(-49246),Mical3(+37053)</i>	N/A
Chr6	121003065	121003222	Chr6.105839	<i>Mical3(+8)</i>	N/A
Chr6	121014806	121014915	Chr6.105853	<i>Mical3(-11709),Mical3(+66748)</i>	N/A
Chr6	121015103	121015207	Chr6.105854	<i>Mical3(-12003),Mical3(+66454)</i>	N/A
Chr6	121019684	121019798	Chr6.105864	<i>Mical3(-16589),Mical3(+61868)</i>	N/A
Chr6	121045242	121045359	Chr6.105925	<i>Mical3(-42149),Mical3(+36308)</i>	N/A
Chr6	121110441	121110557	Chr6.105952	<i>Pex26(-73168),Mical3(-28890)</i>	N/A
Chr6	121151911	121152023	Chr6.105961	<i>Mical3(-70358),Pex26(-31700)</i>	N/A
Chr6	121173636	121173754	Chr6.105976	<i>Mical3(-92086),Pex26(-9972)</i>	N/A
Chr6	144659296	144659925	Chr6.1060	<i>Bet1(-378699),Col1a2(-39632)</i>	N/A
Chr6	121300190	121300331	Chr6.106088	<i>Slc6a1(+34)</i>	N/A
Chr6	121636003	121636234	Chr6.106384	<i>A2m(-54)</i>	N/A
Chr6	15181904	15182265	Chr6.106655	<i>Mdfr(-538576),Foxp2(+280736)</i>	N/A
Chr6	15182903	15183685	Chr6.10666	<i>Mdfr(-537367),Foxp2(+281945)</i>	N/A
Chr6	15183905	15184232	Chr6.10668	<i>Mdfr(-536592),Foxp2(+282720)</i>	N/A
Chr6	15184459	15185281	Chr6.10670	<i>Mdfr(-535801),Foxp2(+283511)</i>	N/A
Chr6	15185397	15185656	Chr6.10672	<i>Mdfr(-535134),Foxp2(+284178)</i>	N/A
Chr6	15185873	15186442	Chr6.10675	<i>Mdfr(-534503),Foxp2(+284809)</i>	N/A
Chr6	15186527	15186718	Chr6.10677	<i>Mdfr(-534038),Foxp2(+285274)</i>	N/A
Chr6	15186818	15187029	Chr6.10678	<i>Mdfr(-533737),Foxp2(+285575)</i>	N/A
Chr6	15190360	15190843	Chr6.10691	<i>Mdfr(-530059),Foxp2(+289253)</i>	N/A
Chr6	122308928	122309040	Chr6.106962	<i>Mgpr(+254)</i>	N/A
Chr6	122338424	122338572	Chr6.107097	<i>Phc1(+366)</i>	N/A
Chr6	122340169	122340315	Chr6.107106	<i>Phc1(-1378)</i>	N/A
Chr6	122341116	122341366	Chr6.107109	<i>Phc1(-2377)</i>	N/A
Chr6	122391489	122391672	Chr6.107143	<i>1700063h04nkl(+202)</i>	N/A
Chr6	122452222	122452269	Chr6.107192	<i>Rimkb(-33717),1700063h04nkl(+61217)</i>	N/A
Chr6	122491701	122491902	Chr6.107230	<i>Mlap5(-21781),Rimkb(-5489)</i>	N/A
Chr6	122495416	122495621	Chr6.107236	<i>Mlap5(-18064),Rimkb(-9206)</i>	N/A
Chr6	122495668	122495917	Chr6.107240	<i>Mlap5(-17790),Rimkb(-9480)</i>	N/A
Chr6	122508565	122508710	Chr6.107246	<i>Mlap5(-4945)</i>	N/A
Chr6	4483496	4483640	Chr6.1073	<i>Bet1(-396596),Col1a2(-21925)</i>	N/A
Chr6	122820638	122820767	Chr6.107485	<i>Foxj2(+789)</i>	N/A
Chr6	122820809	122820977	Chr6.107487	<i>Foxj2(+979)</i>	N/A
Chr6	122824216	122824494	Chr6.107494	<i>Foxj2(+4441),C3ar1(+31806)</i>	N/A
Chr6	4483708	4483911	Chr6.1075	<i>Bet1(-396838),Col1a2(-21683)</i>	N/A
Chr6	122826334	122826434	Chr6.107506	<i>Foxj2(+6470),C3ar1(+29777)</i>	N/A
Chr6	122826503	122826686	Chr6.107507	<i>Foxj2(+6681),C3ar1(+29566)</i>	N/A
Chr6	14484075	14484192	Chr6.1079	<i>Bet1(-397162),Col1a2(-21359)</i>	N/A
Chr6	124415538	124415637	Chr6.107951	<i>Pex5(-521)</i>	N/A
Chr6	124463952	124464058	Chr6.108068	<i>Cttn3(+789)</i>	N/A
Chr6	124464745	124464851	Chr6.108075	<i>Cttn3(-4)</i>	N/A
Chr6	4484334	4484479	Chr6.1082	<i>Bet1(-397435),Col1a2(-21086)</i>	N/A
Chr6	15282104	15282527	Chr6.10834	<i>Mdfr(-438345),Foxp2(+380987)</i>	N/A
Chr6	124662973	124663230	Chr6.108433	<i>Lpcat3(-75)</i>	N/A
Chr6	15285219	15285657	Chr6.10848	<i>Mdfr(-435223),Foxp2(+384089)</i>	N/A
Chr6	124703918	124704170	Chr6.108503	<i>Emg1(+8134),Lpcat3(+41017)</i>	N/A
Chr6	124717885	124717994	Chr6.108568	<i>Phb2(+5604),Ptpn6(+20685)</i>	N/A
Chr6	124718008	124718940	Chr6.108574	<i>Phb2(+5638),Ptpn6(+19751)</i>	N/A
Chr6	124733097	124733229	Chr6.108667	<i>Ptpn6(+5462),Phb2(+20827)</i>	N/A
Chr6	4485877	4486002	Chr6.1087	<i>Bet1(-398968),Col1a2(-19553)</i>	N/A
Chr6	124757999	124758159	Chr6.108770	<i>Atm1(-1555)</i>	N/A
Chr6	124760311	124760504	Chr6.108773	<i>Atm1(-3884)</i>	N/A
Chr6	124813098	124813205	Chr6.108901	<i>Tpi1(+1144),Spsb2(+4246)</i>	N/A
Chr6	124828117	124828402	Chr6.108993	<i>Cdca3(-1428),Usp5(+1224)</i>	N/A
Chr6	124828434	124828540	Chr6.108998	<i>Cdca3(-1201),Usp5(+997)</i>	N/A
Chr6	124829468	124829591	Chr6.108997	<i>Cdca3(-158),Usp5(-46)</i>	N/A
Chr6	15321526	15321728	Chr6.10902	<i>Mdfr(-399034),Foxp2(+420278)</i>	N/A
Chr6	15321852	15321966	Chr6.10906	<i>Mdfr(-398752),Foxp2(+420560)</i>	N/A
Chr6	124863164	124863270	Chr6.109185	<i>Cpr162(+700)</i>	N/A
Chr6	124911702	124911833	Chr6.109268	<i>Lag3(-63)</i>	N/A
Chr6	124913375	124913510	Chr6.109269	<i>A230083g16nkl(-3420),Lag3(-1738)</i>	N/A
Chr6	124913663	124913859	Chr6.109271	<i>A230083g16nkl(-3102),Lag3(-2056)</i>	N/A
Chr6	124913946	124914099	Chr6.109274	<i>A230083g16nkl(-2840),Lag3(-2318)</i>	N/A
Chr6	124915256	124915407	Chr6.109283	<i>Lag3(-3627),A230083g16nkl(-1531)</i>	N/A
Chr6	124916241	124916349	Chr6.109288	<i>Lag3(-4590),A230083g16nkl(-568)</i>	N/A
Chr6	124916493	124916622	Chr6.109292	<i>Lag3(-4853),A230083g16nkl(-305)</i>	N/A
Chr6	124916735	124916845	Chr6.109293	<i>A230083g16nkl(-73)</i>	N/A
Chr6	124919693	124919978	Chr6.109298	<i>Ptms(-1890)</i>	N/A
Chr6	124920114	124920342	Chr6.109299	<i>Ptms(-2282)</i>	N/A
Chr6	4486372	4486509	Chr6.1093	<i>Bet1(-401468),Col1a2(-17052)</i>	N/A
Chr6	124920646	124920773	Chr6.109301	<i>Ptms(-264)</i>	N/A
Chr6	124965396	124965543	Chr6.109373	<i>Cops7a(+68)</i>	N/A
Chr6	124985557	124986659	Chr6.109382	<i>Zfp384(-10675),Piamp(+1914)</i>	N/A
Chr6	125001945	125002071	Chr6.109391	<i>Zfp384(-7275),Piamp(+5314)</i>	N/A
Chr6	125003782	125003945	Chr6.109404	<i>Zfp384(-5419),Piamp(+7170)</i>	N/A
Chr6	125004650	125004821	Chr6.109408	<i>Zfp384(-5417)</i>	N/A
Chr6	125005167	125005406	Chr6.109410	<i>Zfp384(-3996)</i>	N/A
Chr6	125009645	125010017	Chr6.109420	<i>Zfp384(+548)</i>	N/A
Chr6	4488983	4489226	Chr6.1095	<i>Bet1(-402133),Col1a2(-16388)</i>	N/A
Chr6	125048641	125048749	Chr6.109504	<i>Acrbp(-1264)</i>	N/A
Chr6	125089914	125090098	Chr6.109593	<i>Chd4(-5875),Lpar5(+18729)</i>	N/A
Chr6	125090158	125090290	Chr6.109595	<i>Chd4(-5757),Lpar5(+18947)</i>	N/A
Chr6	125090691	125090832	Chr6.109597	<i>Chd4(-5219),Lpar5(+19485)</i>	N/A
Chr6	125097673	125097821	Chr6.109600	<i>Nap2(-34136),Chd4(+1766)</i>	N/A
Chr6	125099469	125099583	Chr6.109609	<i>Nap2(-32357),Chd4(+3545)</i>	N/A
Chr6	125099653	125099879	Chr6.109610	<i>Nap2(-32117),Chd4(+3785)</i>	N/A
Chr6	125130083	125130297	Chr6.109729	<i>Nap2(-1693)</i>	N/A
Chr6	15370235	153703831	Chr6.10976	<i>Mdfr(-350128),Foxp2(+469184)</i>	N/A
Chr6	125149025	125149239	Chr6.109797	<i>Iffo1(+3888),Gapdh(+16641)</i>	N/A
Chr6	15371072	15371285	Chr6.10981	<i>Mdfr(-349482),Foxp2(+469830)</i>	N/A
Chr6	125166538	125166684	Chr6.109857	<i>Gapdh(-838)</i>	N/A
Chr6	125166875	125167010	Chr6.109861	<i>Gapdh(-1170)</i>	N/A
Chr6	153781826	15378374	Chr6.11000	<i>Mdfr(-342411),Foxp2(+476901)</i>	N/A
Chr6	125221499	125221730	Chr6.110031	<i>Vamp1(+6064),Tapbp1(+10245)</i>	N/A
Chr6	125221838	125222197	Chr6.110036	<i>Vamp1(+6467),Tapbp1(+9842)</i>	N/A
Chr6	15378908	15379237	Chr6.11007	<i>Mdfr(-341588),Foxp2(+477724)</i>	N/A
Chr6	4490010	4490172	Chr6.1101	<i>Bet1(-403119),Col1a2(-15402)</i>	N/A
Chr6	125313792	125313891	Chr6.110134	<i>Libr1(+43)</i>	N/A
Chr6	125353789	125353902	Chr6.110217	<i>Trnrsf1a(+12123),Plekkg6(+26947)</i>	N/A
Chr6	125354769	125354916	Chr6.110222	<i>Trnrsf1a(+5120),Plekkg6(+25950)</i>	N/A
Chr6	125467394	125467594	Chr6.110360	<i>Plekkg6(-86701),Cd9(+27297)</i>	N/A
Chr6	125498136	125498236	Chr6.110385	<i>Cd9(-3395)</i>	N/A
Chr6	125552870	125552984	Chr6.110388	<i>Vwfr(-38)</i>	N/A
Chr6	15404963	15405382	Chr6.11032	<i>Mdfr(-315488),Foxp2(+503824)</i>	N/A
Chr6	125711021	125711145	Chr6.110756	<i>Ano2(+20664),Nf3(+455661)</i>	N/A
Chr6	125729812	125730042	Chr6.110771	<i>Ano2(+39508),Nf3(+436817)</i>	N/A
Chr6	125730148	125730403	Chr6.110774	<i>Ano2(+39857),Nf3(+436468)</i>	N/A
Chr6	125747382	125747701	Chr6.110788	<i>Ano2(+57123),Nf3(+419202)</i>	N/A
Chr6	125803293	125803663	Chr6.110857	<i>Ano2(+113159),Nf3(+363168)</i>	N/A
Chr6	125809180	125809320	Chr6.110875	<i>Ano3(+11831),Nf3(+357494)</i>	N/A
Chr6	125894476	125894633	Chr6.110959	<i>Ano3(+204136),Nf3(+272189)</i>	N/A
Chr6	125961757	125961909	Chr6.111020	<i>Nf3(+204911),Ano2(+271414)</i>	N/A
Chr6	125964132	125964309	Chr6.111037	<i>Nf3(+202523),Ano2(+273802)</i>	N/A
Chr6	125975951	125976091	Chr6.111042	<i>Nf3(+190723),Ano2(+285602)</i>	N/A
Chr6	126002930	126003218	Chr6.111072	<i>Nf3(+163670),Ano2(+312658)</i>	N/A
Chr6	126003299	126003422	Chr6.111080	<i>Nf3(+163383),Ano2(+312942)</i>	N/A

Chr6	126009257	126009439	Chr6.111088	<i>Nf3(+157396),Ano2(+318929)</i>	N/A
Chr6	126034305	126034428	Chr6.111118	<i>Nf3(+132377),Ano2(+343948)</i>	N/A
Chr6	126060988	126061109	Chr6.111161	<i>Nf3(+105705),Ano2(+370620)</i>	N/A
Chr6	126083907	126083431	Chr6.111168	<i>Nf3(+80373),Ano2(+395950)</i>	N/A
Chr6	126086460	126086643	Chr6.111168	<i>Nf3(+80192),Ano2(+396133)</i>	N/A
Chr6	126097296	126097427	Chr6.111176	<i>Nf3(+69382),Ano2(+406943)</i>	N/A
Chr6	126106584	126106937	Chr6.111204	<i>Nf3(+59983),Ano2(+416342)</i>	N/A
Chr6	126114959	126115187	Chr6.111223	<i>Nf3(+51671),Ano2(+424654)</i>	N/A
Chr6	126115424	126115533	Chr6.111227	<i>Nf3(+51265),Ano2(+425050)</i>	N/A
Chr6	126134687	126135275	Chr6.111243	<i>Nf3(+31763),Ano2(+444562)</i>	N/A
Chr6	126159431	126159559	Chr6.111287	<i>Nf3(+7249),Ano2(+469076)</i>	N/A
Chr6	126164720	126164834	Chr6.111304	<i>Nf3(+1967),Ano2(+474358)</i>	N/A
Chr6	126164893	126165029	Chr6.111305	<i>Nf3(+1783),Ano2(+474542)</i>	N/A
Chr6	126217496	126217619	Chr6.111359	<i>Nf3(-50809),Kcna1(+426248)</i>	N/A
Chr6	126245049	126245234	Chr6.111384	<i>Nf3(-78398),Kcna1(+400659)</i>	N/A
Chr6	126340144	126340256	Chr6.111457	<i>Nf3(-173456),Kcna1(+305601)</i>	N/A
Chr6	126347021	126347226	Chr6.111472	<i>Nf3(-180380),Kcna1(+299677)</i>	N/A
Chr6	126362444	126362583	Chr6.111493	<i>Nf3(-195770),Kcna1(+283287)</i>	N/A
Chr6	126365714	126365896	Chr6.111500	<i>Nf3(-199062),Kcna1(+279995)</i>	N/A
Chr6	126386637	126386923	Chr6.111511	<i>Nf3(-201808),Kcna1(+277249)</i>	N/A
Chr6	126398903	126399023	Chr6.111545	<i>Nf3(-232119),Kcna1(+246939)</i>	N/A
Chr6	126403872	126404035	Chr6.111551	<i>Nf3(-237210),Kcna1(+241847)</i>	N/A
Chr6	126404410	126404530	Chr6.111556	<i>Nf3(-237726),Kcna1(+241331)</i>	N/A
Chr6	126470349	126470506	Chr6.111580	<i>Nf3(-303684),Kcna1(+175373)</i>	N/A
Chr6	126477414	126477629	Chr6.111584	<i>Nf3(-310778),Kcna1(+168279)</i>	N/A
Chr6	126481127	126481232	Chr6.111590	<i>Nf3(-314436),Kcna1(+164621)</i>	N/A
Chr6	4503280	4503397	Chr6.1116	<i>Col1a2(-2154)</i>	N/A
Chr6	126487109	126487413	Chr6.111600	<i>Nf3(-320517),Kcna1(+158540)</i>	N/A
Chr6	126487469	126487642	Chr6.111604	<i>Nf3(-320812),Kcna1(+158245)</i>	N/A
Chr6	126523489	126523629	Chr6.111620	<i>Nf3(-356815),Kcna1(+122242)</i>	N/A
Chr6	126544346	126544537	Chr6.111689	<i>Nf3(-377698),Kcna1(+101359)</i>	N/A
Chr6	126643728	126643971	Chr6.111833	<i>Nf3(-477106),Kcna1(+1951)</i>	N/A
Chr6	126644782	126644929	Chr6.111841	<i>Kcna1(+945)</i>	N/A
Chr6	126685228	126685398	Chr6.111857	<i>Kcna1(-39512),Kcna5(+12879)</i>	N/A
Chr6	126752310	126752575	Chr6.111941	<i>Kcna6(-12292),Ndufa9(+96701)</i>	N/A
Chr6	126849104	126849206	Chr6.112014	<i>Akap3(-3943),Ndufa9(-11)</i>	N/A
Chr6	4505635	4505916	Chr6.1122	<i>Col1a2(-283)</i>	N/A
Chr6	126969139	126969294	Chr6.112204	<i>Fgf6(-46325),D6wsu163e(+29251)</i>	N/A
Chr6	127025331	127025509	Chr6.112265	<i>Fgf23(-47482),Fgf6(+9878)</i>	N/A
Chr6	127051994	127052114	Chr6.112285	<i>Fgf23(-20848),Fgf6(+36512)</i>	N/A
Chr6	127064817	127065252	Chr6.112287	<i>Fgf23(-7867),Fgf6(+49493)</i>	N/A
Chr6	127115026	127115167	Chr6.112352	<i>Tigar(-5547),Ccn2(+35951)</i>	N/A
Chr6	127126178	127126291	Chr6.112369	<i>Tigar(-16685),Ccn2(+24913)</i>	N/A
Chr6	127128440	127128618	Chr6.112376	<i>Tigar(-18979),Ccn2(+22519)</i>	N/A
Chr6	127133990	127134304	Chr6.112395	<i>Tigar(-24597),Ccn2(+16901)</i>	N/A
Chr6	127135313	127135494	Chr6.112401	<i>Tigar(-25854),Ccn2(+15644)</i>	N/A
Chr6	127140773	127140940	Chr6.112410	<i>Tigar(-31307),Ccn2(+10191)</i>	N/A
Chr6	127144017	127144122	Chr6.112414	<i>Tigar(-34520),Ccn2(+4978)</i>	N/A
Chr6	127145711	127145890	Chr6.112422	<i>Tigar(-36251),Ccn2(+5247)</i>	N/A
Chr6	127147715	127147827	Chr6.112434	<i>Tigar(-38221),Ccn2(+3277)</i>	N/A
Chr6	127149198	127149324	Chr6.112443	<i>Tigar(-39711),Ccn2(+1787)</i>	N/A
Chr6	127149395	127149516	Chr6.112447	<i>Tigar(-39906),Ccn2(+1592)</i>	N/A
Chr6	127151798	127151921	Chr6.112463	<i>Ccn2(-812)</i>	N/A
Chr6	127152530	127152723	Chr6.112469	<i>Ccn2(-1579)</i>	N/A
Chr6	127152811	127152935	Chr6.112467	<i>Ccn2(-1825)</i>	N/A
Chr6	127154116	127154259	Chr6.112475	<i>Ccn2(-3140)</i>	N/A
Chr6	127156042	127156244	Chr6.112479	<i>Gm4968(-77613),Ccn2(-5095)</i>	N/A
Chr6	127177398	127177519	Chr6.112507	<i>Gm4968(-56297),Ccn2(-26411)</i>	N/A
Chr6	127177690	127177890	Chr6.112513	<i>Gm4968(-59968),Ccn2(-26742)</i>	N/A
Chr6	127178050	127179184	Chr6.112516	<i>Gm4968(-54639),Ccn2(-28059)</i>	N/A
Chr6	127181505	127181629	Chr6.112520	<i>Gm4968(-52189),Ccn2(-30519)</i>	N/A
Chr6	127239843	127239957	Chr6.112552	<i>Parp1(-213823),Gm4968(+6144)</i>	N/A
Chr6	127241337	127241438	Chr6.112557	<i>Parp1(-212335),Gm4968(+7632)</i>	N/A
Chr6	127247515	127247646	Chr6.112563	<i>Parp1(-206147),Gm4968(+13626)</i>	N/A
Chr6	127252450	127252571	Chr6.112569	<i>Parp1(-201212),Gm4968(+18755)</i>	N/A
Chr6	127266165	127266354	Chr6.112574	<i>Parp1(-187463),Gm4968(+32504)</i>	N/A
Chr6	127284072	127284339	Chr6.112582	<i>Parp1(-169517),Gm4968(+50450)</i>	N/A
Chr6	127319211	127319497	Chr6.112603	<i>Parp1(-134369),Gm4968(+85598)</i>	N/A
Chr6	127324771	127324989	Chr6.112611	<i>Parp1(-128843),Gm4968(+91124)</i>	N/A
Chr6	127330205	127330340	Chr6.112619	<i>Parp1(-122450),Gm4968(+96317)</i>	N/A
Chr6	127336812	127337129	Chr6.112623	<i>Parp1(-116753),Gm4968(+103215)</i>	N/A
Chr6	127337171	127337272	Chr6.112625	<i>Parp1(-116501),Gm4968(+103466)</i>	N/A
Chr6	127337660	127337761	Chr6.112628	<i>Parp1(-116012),Gm4968(+103955)</i>	N/A
Chr6	127341748	127341924	Chr6.112631	<i>Parp1(-111887),Gm4968(+108080)</i>	N/A
Chr6	127344243	127344398	Chr6.112636	<i>Parp1(-109402),Gm4968(+110565)</i>	N/A
Chr6	127352672	127352797	Chr6.112645	<i>Parp1(-103988),Gm4968(+118978)</i>	N/A
Chr6	127356512	127356839	Chr6.112649	<i>Parp1(-97047),Gm4968(+122929)</i>	N/A
Chr6	127363304	127363813	Chr6.112660	<i>Parp1(-90164),Gm4968(+129803)</i>	N/A
Chr6	127374976	127375078	Chr6.112677	<i>Parp1(-78696),Gm4968(+141271)</i>	N/A
Chr6	127375957	127376179	Chr6.112680	<i>Parp1(-77655),Gm4968(+142312)</i>	N/A
Chr6	127382520	127382656	Chr6.112691	<i>Parp1(-71135),Gm4968(+146832)</i>	N/A
Chr6	127394005	127394128	Chr6.112697	<i>Parp1(-59666),Gm4968(+160211)</i>	N/A
Chr6	127404162	127404310	Chr6.112701	<i>Parp1(-49487),Gm4968(+170480)</i>	N/A
Chr6	127404538	127404791	Chr6.112705	<i>Parp1(-49058),Gm4968(+170909)</i>	N/A
Chr6	127405757	127406001	Chr6.112707	<i>Parp1(-47844),Gm4968(+172123)</i>	N/A
Chr6	127407816	127408021	Chr6.112709	<i>Parp1(-45804),Gm4968(+174163)</i>	N/A
Chr6	127417149	127418357	Chr6.112725	<i>Parp1(-35670),Gm4968(+184297)</i>	N/A
Chr6	127449628	127449845	Chr6.112738	<i>Parp1(-33968)</i>	N/A
Chr6	127689014	127689145	Chr6.112919	<i>Pmt8(+80392),Cracr2a(+111105)</i>	N/A
Chr6	127689433	127689546	Chr6.112922	<i>Pmt8(+79982),Cracr2a(+111515)</i>	N/A
Chr6	127701564	127701682	Chr6.112938	<i>Pmt8(+67849),Cracr2a(+123648)</i>	N/A
Chr6	127735347	127735468	Chr6.112963	<i>Pmt8(+34064),Cracr2a(+157433)</i>	N/A
Chr6	127740489	127740598	Chr6.112971	<i>Pmt8(+28929),Cracr2a(+162569)</i>	N/A
Chr6	127766628	127766768	Chr6.112982	<i>Pmt8(+2774),Cracr2a(+168723)</i>	N/A
Chr6	127767383	127767670	Chr6.112992	<i>Pmt8(+1945),Cracr2a(+189552)</i>	N/A
Chr6	127768900	127769055	Chr6.113002	<i>Pmt8(+494)</i>	N/A
Chr6	127853375	127853612	Chr6.113027	<i>Pmt8(-44022),Tspan11(-34095)</i>	N/A
Chr6	127872863	127872928	Chr6.113051	<i>Tspan11(+40288),Tspan9(+215688)</i>	N/A
Chr6	127974474	127974573	Chr6.113108	<i>Tspan11(+66935),Tspan9(+169039)</i>	N/A
Chr6	127986362	127986462	Chr6.113130	<i>Tspan11(+96823),Tspan9(+157151)</i>	N/A
Chr6	127989708	127989850	Chr6.113146	<i>Tspan11(+102190),Tspan9(+153784)</i>	N/A
Chr6	128002208	128002311	Chr6.113161	<i>Tspan11(+114671),Tspan9(+141303)</i>	N/A
Chr6	128007562	128007757	Chr6.113163	<i>Tspan11(+120071),Tspan9(+135903)</i>	N/A
Chr6	128028262	128028386	Chr6.113167	<i>Tspan11(+120735),Tspan9(+135239)</i>	N/A
Chr6	128013227	128013450	Chr6.113175	<i>Tspan11(+125750),Tspan9(+130224)</i>	N/A
Chr6	128028651	128028757	Chr6.113187	<i>Tspan9(+114859),Tspan11(+141115)</i>	N/A
Chr6	128030565	128030676	Chr6.113199	<i>Tspan9(+112942),Tspan11(+140332)</i>	N/A
Chr6	4507354	4507552	Chr6.1132	<i>Casd1(-93367),Col1a2(+1960)</i>	N/A
Chr6	128034379	128034558	Chr6.113212	<i>Tspan9(+106094),Tspan11(+146880)</i>	N/A
Chr6	128035176	128035285	Chr6.113216	<i>Tspan9(+108332),Tspan11(+147642)</i>	N/A
Chr6	128053288	128053437	Chr6.113245	<i>Tspan9(+90200),Tspan11(+165774)</i>	N/A
Chr6	128058862	128059114	Chr6.113254	<i>Tspan9(+84575),Tspan11(+171399)</i>	N/A
Chr6	128065035	128065215	Chr6.113262	<i>Tspan9(+78438),Tspan11(+177536)</i>	N/A
Chr6	128067336	128067459	Chr6.113265	<i>Tspan9(+76165),Tspan11(+179809)</i>	N/A
Chr6	128076750	128076937	Chr6.113287	<i>Tspan9(+66719),Tspan11(+189255)</i>	N/A
Chr6	128078656	128078793	Chr6.113294	<i>Tspan9(+64838),Tspan11(+191136)</i>	N/A
Chr6	128081423	128081546	Chr6.113303	<i>Tspan9(+62078),Tspan11(+193896)</i>	N/A
Chr6	128089680	128089842	Chr6.113310	<i>Tspan9(+53802),Tspan11(+202172)</i>	N/A
Chr6	128093468	128093612	Chr6.113315	<i>Tspan9(+50023),Tspan11(+205951)</i>	N/A
Chr6	128124588	128124743	Chr6.113337	<i>Tspan9(+16897),Tspan11(+230707)</i>	N/A
Chr6	128132503	128132605	Chr6.113341	<i>Tspan9(+11009),Tspan11(+244649)</i>	N/A
Chr6	128166114	128166267	Chr6.113352	<i>Tspan9(-22628),Gm10010(+34432)</i>	N/A
Chr6	128270859	128271036	Chr6.113406	<i>Gm10010(-70325),Gm21893(-23148)</i>	N/A
Chr6	128296540	128296798	Chr6.113418	<i>Gm21893(+2573),Tead4(+4144)</i>	N/A
Chr6	15597500	15597687	Chr6.113444	<i>Mdfr(-123077),Foxp2(+696235)</i>	N/A
Chr6	128355850	128355970	Chr6.113469	<i>Tulp3(-59)</i>	N/A
Chr6	4507986	4508163	Chr6.1137	<i>Casd1(-82765),Col1a2(+2582)</i>	N/A
Chr6	15638758	15638864	Chr6.11382	<i>Mdfr(-81850),Foxp2(+737462)</i>	N/A
Chr6	15639362	15639825	Chr6.11390	<i>Mdfr(-81067),Foxp2(+738245)</i>	N/A
Chr6	131335360	131335726	Chr6.114326	<i>Sty1(-39816),Ybx3(+34807)</i>	N/A
Chr6	131337500	131337521	Chr6.114342	<i>Sty1(-812894),Ybx3(+13339)</i>	N/A
Chr6	131338323	131338393	Chr6.114358	<i>Sty1(-70054),Ybx3(+4569)</i>	N/A
Chr6	134035992	134036142	Chr6.114392	<i>Elv6(+367)</i>	N/A
Chr6	134036921	134037102	Chr6.114395	<i>Bcl2l14(-359306),Elv6(+1312)</i>	N/A
Chr6	134038636	134038813	Chr6.114404	<i>Bcl2l14(-357593),Elv6(+3025)</i>	N/A
Chr6	134044560	134044673	Chr6.114420	<i>Bcl2l14(-351701),Elv6(+8917)</i>	N/A
Chr6	134072528	134072633	Chr6.114461	<i>Bcl2l14(-323737),Elv6(+36881)</i>	N/A
Chr6	134091490	134091695	Chr6.114476	<i>Bcl2l14(-304725),Elv6(+55893)</i>	N/A

Chr6	134113254	134113400	Chr6.114501	Bcl2l14(-282991),Etv6(+77627)	N/A
Chr6	134128147	134128342	Chr6.114510	Bcl2l14(-268073),Etv6(+92545)	N/A
Chr6	134141032	134141250	Chr6.114534	Bcl2l14(-255177),Etv6(+105441)	N/A
Chr6	13724518	15724739	Chr6.114455	Mdfc1(+3968)	N/A
Chr6	134151371	134151528	Chr6.114556	Bcl2l14(-244868),Etv6(+115750)	N/A
Chr6	134151996	134152359	Chr6.114557	Bcl2l14(-244140),Etv6(+116478)	N/A
Chr6	134171964	134172204	Chr6.114579	Bcl2l14(-224234),Etv6(+136384)	N/A
Chr6	134175276	134175418	Chr6.114580	Bcl2l14(-220971),Etv6(+139647)	N/A
Chr6	134182400	134182548	Chr6.114586	Bcl2l14(-213944),Etv6(+146774)	N/A
Chr6	134186394	134186667	Chr6.114592	Bcl2l14(-209787),Etv6(+150831)	N/A
Chr6	134200050	134200260	Chr6.114610	Bcl2l14(-196163),Etv6(+164455)	N/A
Chr6	134200745	134200870	Chr6.114616	Bcl2l14(-195510),Etv6(+165108)	N/A
Chr6	134208280	134208510	Chr6.114624	Bcl2l14(-187923),Etv6(+172695)	N/A
Chr6	134222365	134222480	Chr6.114638	Bcl2l14(-173895),Etv6(+186723)	N/A
Chr6	134243157	134243440	Chr6.114668	Bcl2l14(-153019),Etv6(+207599)	N/A
Chr6	134243473	134243574	Chr6.114669	Bcl2l14(-152794),Etv6(+207824)	N/A
Chr6	134329715	134329890	Chr6.114760	Bcl2l14(-66515),Etv6(+294103)	N/A
Chr6	134329920	134330033	Chr6.114761	Bcl2l14(-66341),Etv6(+294277)	N/A
Chr6	15743346	15743642	Chr6.114777	Mdfc1(+22833)	N/A
Chr6	134430233	134434994	Chr6.114809	Bcl2l14(+34046),Lrp6(+136549)	N/A
Chr6	134437595	134437739	Chr6.114826	Bcl2l14(+41334),Lrp6(+129261)	N/A
Chr6	134448580	134448876	Chr6.114839	Bcl2l14(+52410),Lrp6(+118185)	N/A
Chr6	134449527	134449683	Chr6.114849	Bcl2l14(+53287),Lrp6(+117308)	N/A
Chr6	4511006	4511642	Chr6.1149	Casdl1(-89516),Cof1a2(+5831)	N/A
Chr6	134449435	134449515	Chr6.114917	Lrp6(+71938),Bcl2l14(+98657)	N/A
Chr6	134505125	134505332	Chr6.114922	Lrp6(+61684),Bcl2l14(+108911)	N/A
Chr6	15745096	15745396	Chr6.11493	Mdfc1(+24580)	N/A
Chr6	134510060	134510238	Chr6.114938	Lrp6(+56764),Bcl2l14(+113831)	N/A
Chr6	134510358	134510506	Chr6.114940	Lrp6(+56481),Bcl2l14(+114114)	N/A
Chr6	134512554	134512655	Chr6.114946	Lrp6(+54308),Bcl2l14(+116287)	N/A
Chr6	134537802	134537997	Chr6.114959	Lrp6(+29013),Bcl2l14(+141582)	N/A
Chr6	134567159	134567292	Chr6.114976	Lrp6(-313)	N/A
Chr6	134602507	134602768	Chr6.114988	Lrp6(-35725),Mansc1(+29850)	N/A
Chr6	134607115	134607294	Chr6.114991	Lrp6(-40292),Mansc1(+25283)	N/A
Chr6	134609151	134609297	Chr6.114994	Lrp6(-42311),Mansc1(+23264)	N/A
Chr6	134647669	134647986	Chr6.115027	Borcs5(+8201),Dusp16(+144797)	N/A
Chr6	134696280	134696388	Chr6.115061	Borcs5(+56707),Dusp16(+96291)	N/A
Chr6	134763701	134763833	Chr6.115165	Dusp16(+28858),Borcs5(+124140)	N/A
Chr6	134774065	134774213	Chr6.115167	Dusp16(+18486),Borcs5(+134512)	N/A
Chr6	134791231	134791491	Chr6.115177	Dusp16(+1264),Borcs5(+151734)	N/A
Chr6	134793812	134794011	Chr6.115181	Dusp16(-1287)	N/A
Chr6	134802773	134803021	Chr6.115191	Crebl2(-27257),Dusp16(-10272)	N/A
Chr6	134811360	134811544	Chr6.115201	Dusp16(-24627),Crebl2(-12702)	N/A
Chr6	134825923	134826038	Chr6.115205	Crebl2(-4173)	N/A
Chr6	134826115	134826489	Chr6.115208	Crebl2(-3852)	N/A
Chr6	134830148	134830297	Chr6.115219	Crebl2(+69)	N/A
Chr6	134856610	134856712	Chr6.115242	Crebl2(-26507),Gpr19(+31177)	N/A
Chr6	134857624	134857844	Chr6.115246	Crebl2(-27380),Gpr19(+30991)	N/A
Chr6	134863133	134863305	Chr6.115257	Gpr19(-24613),Crebl2(+33065)	N/A
Chr6	134886683	134886940	Chr6.115325	Gpr19(-980)	N/A
Chr6	134917163	134917318	Chr6.115333	Cdkn1b(-3160)	N/A
Chr6	134920314	134920449	Chr6.115340	Cdkn1b(-19)	N/A
Chr6	134922911	134923023	Chr6.115357	Apold1(-59034),Cdkn1b(+2566)	N/A
Chr6	134924433	134924558	Chr6.115362	Apold1(-57506),Cdkn1b(+4091)	N/A
Chr6	134928628	134928738	Chr6.115380	Apold1(-53318),Cdkn1b(+8282)	N/A
Chr6	134943816	134943931	Chr6.115385	Apold1(-38127),Cdkn1b(+23473)	N/A
Chr6	134951845	134951964	Chr6.115392	Apold1(-30096),Cdkn1b(+31504)	N/A
Chr6	134981314	134981459	Chr6.115406	Apold1(-614)	N/A
Chr6	134981602	134982035	Chr6.115411	Apold1(-183)	N/A
Chr6	135025167	135025339	Chr6.115484	Gprc5a(-40398),Ddx47(+13641)	N/A
Chr6	15790022	15790133	Chr6.115566	Mdfc1(+69417)	N/A
Chr6	15792678	15793008	Chr6.11573	Mdfc1(+72182)	N/A
Chr6	135250246	135250505	Chr6.115773	Gsg1(-2411)	N/A
Chr6	135250776	135250996	Chr6.115780	Gsg1(-2921)	N/A
Chr6	135251940	135252079	Chr6.115785	Gsg1(-4048)	N/A
Chr6	135252401	135252590	Chr6.115789	Gsg1(-4631)	N/A
Chr6	135272100	135272207	Chr6.115811	Gsg1(-24189),Pbp2(+38193)	N/A
Chr6	135295086	135295212	Chr6.115826	Gsg1(-47184),Pbp2(+15198)	N/A
Chr6	135295474	135296625	Chr6.115828	Gsg1(-47585),Pbp2(+14797)	N/A
Chr6	135296154	135296285	Chr6.115832	Gsg1(-48255),Pbp2(+14127)	N/A
Chr6	135304791	135305158	Chr6.115839	Gsg1(-57009),Pbp2(+5373)	N/A
Chr6	135325056	135325224	Chr6.115856	Emp1(-42353),Pbp2(-14793)	N/A
Chr6	135333993	135334136	Chr6.115869	Emp1(-33428),Pbp2(-23718)	N/A
Chr6	135340864	135341025	Chr6.115878	Pbp2(-30598),Emp1(-26548)	N/A
Chr6	135341228	135341429	Chr6.115881	Pbp2(-30982),Emp1(-26164)	N/A
Chr6	135362680	135363017	Chr6.115891	Emp1(-4638)	N/A
Chr6	135364965	135365082	Chr6.115894	Emp1(-2469)	N/A
Chr6	135369634	135369733	Chr6.115897	Emp1(+2191),Grin2b(+803827)	N/A
Chr6	135441476	135441664	Chr6.115985	Emp1(+74077),Grin2b(+731941)	N/A
Chr6	135525970	135526139	Chr6.116029	Emp1(+158562),Grin2b(+647456)	N/A
Chr6	135559655	135559776	Chr6.116060	Grin2b(+211494),Emp1(+594524)	N/A
Chr6	135723051	135723160	Chr6.116175	Emp1(+386813),Grin2b(+454605)	N/A
Chr6	135730192	135730370	Chr6.116187	Emp1(+362788),Grin2b(+443230)	N/A
Chr6	15823731	15824275	Chr6.11641	Mdfc1(+103342)	N/A
Chr6	135959004	135959127	Chr6.116519	Grin2b(+214445),Emp1(+591573)	N/A
Chr6	135991958	135992075	Chr6.116524	Grin2b(+211494),Emp1(+594524)	N/A
Chr6	136117180	136117245	Chr6.116532	Grin2b(+15449),Emp1(+804470)	N/A
Chr6	136172276	136172442	Chr6.116754	Grin2b(+1152),Emp1(+804866)	N/A
Chr6	136241561	136241727	Chr6.116791	Elf1a3l1(-86899),Grin2b(-68133)	N/A
Chr6	15869252	15869405	Chr6.11680	Mdfc1(+186868)	N/A
Chr6	136353561	136353867	Chr6.116838	Elf1a3l1(+25171),E330021d16rk(+48116)	N/A
Chr6	136408377	136408673	Chr6.116860	E330021d16rk(-66698),Aft7p(-50323)	N/A
Chr6	136518621	136519240	Chr6.116881	Aft7p(+80)	N/A
Chr6	136532573	136533063	Chr6.116900	Aft7p(-76041),Aft7p(+13967)	N/A
Chr6	136533130	136533270	Chr6.116902	Aft7p(-75659),Aft7p(+14349)	N/A
Chr6	136543228	136543359	Chr6.116909	Aft7p(-65565),Aft7p(+24443)	N/A
Chr6	136543465	136543634	Chr6.116910	Aft7p(-65309),Aft7p(+24659)	N/A
Chr6	136543987	136543984	Chr6.116911	Aft7p(-65078),Aft7p(+24630)	N/A
Chr6	136548504	136548673	Chr6.116917	Aft7p(-60270),Aft7p(+29738)	N/A
Chr6	136551100	136551237	Chr6.116923	Aft7p(-57690),Aft7p(+32318)	N/A
Chr6	136553875	136554117	Chr6.116929	Aft7p(-54863),Aft7p(+35145)	N/A
Chr6	136554913	136555072	Chr6.116934	Aft7p(-53866),Aft7p(+36142)	N/A
Chr6	136853102	136853319	Chr6.117293	Smco3(-17761),Ar4(+4522)	N/A
Chr6	136868123	136868327	Chr6.117322	Ar4(-10492),Mgp(+7580)	N/A
Chr6	136875789	136875976	Chr6.117344	Mgp(-78)	N/A
Chr6	136894779	136895105	Chr6.117372	Mgp(-19137),Erp27(+27238)	N/A
Chr6	136895952	136896701	Chr6.117385	Mgp(-22842),Erp27(+23533)	N/A
Chr6	136906313	136906521	Chr6.117390	Mgp(-30612),Erp27(+15763)	N/A
Chr6	136913832	136913957	Chr6.117413	Mgp(-38090),Erp27(+8285)	N/A
Chr6	136941643	136941911	Chr6.117478	Arhgd1(21)	N/A
Chr6	136942383	136942493	Chr6.117481	Arhgd1(-682)	N/A
Chr6	137060781	137060935	Chr6.117548	Pde6h(+106335),Rerg1(+108874)	N/A
Chr6	137098526	137098721	Chr6.117570	Rerg1(+71108),Pde6h(+144101)	N/A
Chr6	137100378	137100563	Chr6.117576	Rerg1(+69261),Pde6h(+145948)	N/A
Chr6	137102568	137102705	Chr6.117579	Rerg1(+67095),Pde6h(+148114)	N/A
Chr6	137102741	137102915	Chr6.117580	Rerg1(+66904),Pde6h(+148305)	N/A
Chr6	137110637	137110845	Chr6.117589	Rerg1(+58991),Pde6h(+156218)	N/A
Chr6	137125502	137125705	Chr6.117598	Rerg1(+44128),Pde6h(+171081)	N/A
Chr6	137135527	137135646	Chr6.117614	Rerg1(+34145),Pde6h(+181064)	N/A
Chr6	137143911	137144065	Chr6.117627	Rerg1(+25744),Pde6h(+189465)	N/A
Chr6	137150155	137150287	Chr6.117636	Rerg1(+18511),Pde6h(+195698)	N/A
Chr6	137155780	137156069	Chr6.117646	Rerg1(+13807),Pde6h(+201402)	N/A
Chr6	137295624	137295782	Chr6.117765	Ptpro1(+43404),Eps8(+353582)	N/A
Chr6	137364826	137365032	Chr6.117795	Ptpro1(+112630),Eps8(+284356)	N/A
Chr6	15945374	15945776	Chr6.117789	Mdfc1(+224914),Tfci(+952866)	N/A
Chr6	137437912	137438023	Chr6.117890	Ptpro1(+185869),Eps8(+211317)	N/A
Chr6	137438088	137438205	Chr6.117891	Ptpro1(+185848),Eps8(+211138)	N/A
Chr6	137465404	137465533	Chr6.117941	Eps8(+183816),Ptpro1(+213170)	N/A
Chr6	137487448	137487645	Chr6.117973	Eps8(+161738),Ptpro1(+235248)	N/A
Chr6	137542632	137542911	Chr6.118069	Eps8(+106513),Ptpro1(+290473)	N/A
Chr6	137550213	137550318	Chr6.118072	Eps8(+99019),Ptpro1(+297967)	N/A
Chr6	137558976	137559163	Chr6.118075	Eps8(+90215),Ptpro1(+306771)	N/A
Chr6	137560325	137560476	Chr6.118079	Eps8(+88884),Ptpro1(+308102)	N/A
Chr6	137633659	137633795	Chr6.118144	Eps8(+15558),Ptpro1(+381428)	N/A
Chr6	137662137	137662239	Chr6.118157	Strap1(-72890),Eps8(-12903)	N/A
Chr6	137689178	137689293	Chr6.118178	Strap1(-45842),Eps8(-39951)	N/A
Chr6	137710352	137710605	Chr6.118195	Eps8(-41194),Strap1(-45969)	N/A
Chr6	137764892	137764989	Chr6.118236	Dera1(+10382),Slc15a5(+314992)	N/A

Chr6	13778963	137790081	Chr6.118291	Dera(+35480),Slc15a5(+289894)	N/A
Chr6	137803207	137803450	Chr6.118303	Dera(+48787),Slc15a5(+276587)	N/A
Chr6	137805598	137805945	Chr6.118313	Dera(+51350),Slc15a5(+274024)	N/A
Chr6	137885791	137885900	Chr6.118449	Dera(+131540),Slc15a5(+194070)	N/A
Chr6	137886771	137887032	Chr6.118450	Dera(+132360),Slc15a5(+193014)	N/A
Chr6	137887078	137887226	Chr6.118456	Dera(+132610),Slc15a5(+192764)	N/A
Chr6	137935476	137935814	Chr6.118479	Slc15a5(+144271),Dera(+181103)	N/A
Chr6	137935853	137936022	Chr6.118481	Slc15a5(+143978),Dera(+181396)	N/A
Chr6	137936066	137936175	Chr6.118482	Slc15a5(+143793),Dera(+181579)	N/A
Chr6	15867493	15867822	Chr6.11853	Mdlic(+26689),Tlec(+91883)	N/A
Chr6	138006617	138006905	Chr6.118600	Slc15a5(+73155),Dera(+252219)	N/A
Chr6	16056326	16056567	Chr6.11896	Mdlic(+335786),Tlec(+841994)	N/A
Chr6	138388375	138388578	Chr6.119093	Lmo3(+193491),Mgst1(+248161)	N/A
Chr6	138420542	138420682	Chr6.119157	Lmo3(+161356),Mgst1(+280296)	N/A
Chr6	138420740	138420893	Chr6.119159	Lmo3(+161151),Mgst1(+280501)	N/A
Chr6	138420962	138421104	Chr6.119160	Lmo3(+160935),Mgst1(+280717)	N/A
Chr6	138421474	138421577	Chr6.119163	Lmo3(+160442),Mgst1(+281210)	N/A
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Chr6	138474499	138474655	Chr6.119220	Lmo3(+107391),Mgst1(+334261)	N/A
Chr6	16077441	16077632	Chr6.11926	Mdlic(+356876),Tlec(+820904)	N/A
Chr6	138551783	138552222	Chr6.119300	Lmo3(+29965),Mgst1(+411687)	N/A
Chr6	138672793	138673068	Chr6.119446	Igpb1b(+14471),Rergl(+828978)	N/A
Chr6	138673111	138673212	Chr6.119450	Igpb1b(+14718),Rergl(+828747)	N/A
Chr6	138708777	138709227	Chr6.119494	Igpb1b(+50558),Rergl(+792907)	N/A
Chr6	16144544	16145010	Chr6.11994	Mdlic(+424116),Tlec(+753664)	N/A
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Chr6	139754700	139754942	Chr6.120000	Plk3c2g(+17876),Plcz1(+266568)	N/A
Chr6	139761172	139761455	Chr6.120013	Plk3c2g(+24419),Plcz1(+280145)	N/A
Chr6	139909248	139909551	Chr6.120355	Plcz1(+132057),Plk3c2g(+172505)	N/A
Chr6	139909645	139909911	Chr6.120358	Plcz1(+131679),Plk3c2g(+172883)	N/A
Chr6	16188279	16188493	Chr6.12049	Mdlic(+467725),Tlec(+710055)	N/A
Chr6	140051297	140051544	Chr6.120496	Plekha5(+372678),Capza3(+9696)	N/A
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Chr6	140334842	140336709	Chr6.120678	Plekha5(+87498),Capza3(+295076)	N/A
Chr6	140349373	140349576	Chr6.120689	Plekha5(+74624),Capza3(+307950)	N/A
Chr6	140425417	140425531	Chr6.120769	Aebp2(+198025),Plekha5(+1375)	N/A
Chr6	140490918	140491070	Chr6.120809	Aebp2(+132505),Plekha5(+66895)	N/A
Chr6	140519941	140520094	Chr6.120831	Aebp2(+103481),Plekha5(+95919)	N/A
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Chr6	140596240	140596580	Chr6.120950	Aebp2(+27089),Plekha5(+172311)	N/A
Chr6	140606477	140606630	Chr6.120962	Aebp2(+16945),Plekha5(+182455)	N/A
Chr6	140606602	140606802	Chr6.120964	Aebp2(+16768),Plekha5(+182632)	N/A
Chr6	140611385	140611689	Chr6.120969	Aebp2(+11966),Plekha5(+187434)	N/A
Chr6	140612154	140612278	Chr6.120972	Aebp2(+11263),Plekha5(+188177)	N/A
Chr6	140624812	140624911	Chr6.120980	Gm11077(+104422),Aebp2(+1353)	N/A
Chr6	140667752	140667859	Chr6.121010	Gm11077(+61478),Aebp2(+44307)	N/A
Chr6	140696627	140696784	Chr6.121025	Gm11077(+32578),Aebp2(+73207)	N/A
Chr6	140705096	140705208	Chr6.121032	Gm11077(+24132),Aebp2(+81653)	N/A
Chr6	140705309	140705502	Chr6.121034	Gm11077(+23878),Aebp2(+81907)	N/A
Chr6	140856572	140856674	Chr6.121122	Pde3a(+392646),Gm11077(+127329)	N/A
Chr6	140857210	140857366	Chr6.121127	Pde3a(+391981),Gm11077(+128004)	N/A
Chr6	140857726	140857826	Chr6.121130	Pde3a(+391493),Gm11077(+128492)	N/A
Chr6	140894601	140894713	Chr6.121145	Pde3a(+354612),Gm11077(+165373)	N/A
Chr6	140897368	140897386	Chr6.121150	Pde3a(+351953),Gm11077(+168032)	N/A
Chr6	140897422	1408974507	Chr6.121168	Pde3a(+324874),Gm11077(+195111)	N/A
Chr6	140874563	140974716	Chr6.121208	Pde3a(+274629),Gm11077(+435356)	N/A
Chr6	16315679	16315824	Chr6.12121	Tlec(+582689),Mdlic(+595091)	N/A
Chr6	141042118	141042299	Chr6.121251	Pde3a(+207060),Gm11077(+312925)	N/A
Chr6	141059595	141059707	Chr6.121262	Pde3a(+189618),Gm11077(+330367)	N/A
Chr6	16317078	16317400	Chr6.12131	Tlec(+891202),Mdlic(+596578)	N/A
Chr6	141137808	141137814	Chr6.121318	Pde3a(+111558),Gm11077(+49427)	N/A
Chr6	141224608	141224776	Chr6.121363	Pde3a(+24577),Gm11077(+495408)	N/A
Chr6	141227011	141227325	Chr6.121372	Pde3a(+22101),Gm11077(+497884)	N/A
Chr6	141246485	141246626	Chr6.121386	Pde3a(+2713)	N/A
Chr6	141305246	141305381	Chr6.121453	Slc1c1(+219072),Pde3a(+56045)	N/A
Chr6	141349732	141348916	Chr6.121494	Slc1c1(+175562),Pde3a(+99525)	N/A
Chr6	141361611	141381829	Chr6.121515	Slc1c1(+142616),Pde3a(+132501)	N/A
Chr6	141399470	141399694	Chr6.121526	Slc1c1(+124804),Pde3a(+150313)	N/A
Chr6	141405592	141405884	Chr6.121532	Slc1c1(+118648),Pde3a(+156469)	N/A
Chr6	16332392	16332568	Chr6.12154	Tlec(+565961),Mdlic(+611819)	N/A
Chr6	141434463	141434774	Chr6.121564	Slc1c1(+89767),Pde3a(+185350)	N/A
Chr6	16333224	16334192	Chr6.12162	Tlec(+564733),Mdlic(+613047)	N/A
Chr6	141474731	141474944	Chr6.121620	Slc1c1(+49548),Pde3a(+225569)	N/A
Chr6	141495582	141495960	Chr6.121659	Slc1c1(+28615),Pde3a(+246502)	N/A
Chr6	141568188	141568510	Chr6.121765	Slc1b2(+61169),Slc1c1(+43963)	N/A
Chr6	142276234	142276369	Chr6.122098	Slc1a6(+90149),Slc1a5(+2534)	N/A
Chr6	142403272	142403376	Chr6.122257	Spx(+10177),Gdf1a(+16103)	N/A
Chr6	142530956	142530956	Chr6.122391	Ldhb(+22934),Kcnj8(+40465)	N/A
Chr6	142545229	142545350	Chr6.122406	Ldhb(+37333),Kcnj8(+26066)	N/A
Chr6	142609986	142610169	Chr6.122508	Kcnj8(+38722),Abcc9(+92196)	N/A
Chr6	142702234	142702377	Chr6.122641	Abcc9(+32)	N/A
Chr6	142732835	142733123	Chr6.122651	Abcc9(+30705),Cma5(+23707)	N/A
Chr6	45224239	45224263	Chr6.1228	Cas91(+78899),Col1a2(+17058)	N/A
Chr6	142946362	142946496	Chr6.122813	Sulf6c3(+142039),Slb3a1(+18023)	N/A
Chr6	142964327	142964505	Chr6.122829	Slb3a1(+36)	N/A
Chr6	143051606	143051710	Chr6.122901	Slb3a1(+87206),C2cd5(+48449)	N/A
Chr6	143053000	143053163	Chr6.122909	Slb3a1(+88630),C2cd5(+47025)	N/A
Chr6	16485074	16485265	Chr6.12295	Tlec(+413271),Mdlic(+764509)	N/A
Chr6	143073517	143073630	Chr6.122965	Slb3a1(+109122),C2cd5(+26533)	N/A
Chr6	143099109	143099267	Chr6.122989	C2cd5(+919)	N/A
Chr6	143152572	143152678	Chr6.123004	C2cd5(+52518),Etnk1(+14605)	N/A
Chr6	143192795	143193171	Chr6.123036	Etnk1(+25753)	N/A
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Chr6	143289593	143289892	Chr6.123170	Etnk1(+122413),Sax5(+919837)	N/A
Chr6	143290221	143290450	Chr6.123176	Etnk1(+123106),Sax5(+919144)	N/A
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Chr6	143436312	143436464	Chr6.123344	Etnk1(+269158),Sax5(+773092)	N/A
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Chr6	143451535	143451674	Chr6.123383	Etnk1(+284379),Sax5(+757875)	N/A
Chr6	143494472	143494668	Chr6.123414	Etnk1(+327340),Sax5(+774910)	N/A
Chr6	143530523	143530804	Chr6.123460	Etnk1(+363436),Sax5(+67816)	N/A
Chr6	143530856	143531247	Chr6.123464	Etnk1(+363822),Sax5(+678428)	N/A
Chr6	143531497	143531686	Chr6.123466	Etnk1(+364362),Sax5(+677888)	N/A
Chr6	143571029	143572211	Chr6.123511	Etnk1(+404390),Sax5(+637860)	N/A
Chr6	143590326	143590506	Chr6.123538	Etnk1(+423186),Sax5(+619064)	N/A
Chr6	16550464	16550760	Chr6.12354	Tlec(+347829),Mdlic(+839951)	N/A
Chr6	143614987	143615411	Chr6.123581	Etnk1(+447969),Sax5(+594281)	N/A
Chr6	143617557	143617664	Chr6.123587	Etnk1(+450381),Sax5(+591869)	N/A
Chr6	16551196	16551459	Chr6.12363	Tlec(+347113),Mdlic(+830667)	N/A
Chr6	143663673	143663913	Chr6.123639	Etnk1(+496563),Sax5(+545687)	N/A
Chr6	143665145	143665327	Chr6.123644	Etnk1(+496006),Sax5(+544244)	N/A
Chr6	14365464	143665703	Chr6.123648	Etnk1(+496354),Sax5(+53896)	N/A
Chr6	16552257	16552848	Chr6.12372	Tlec(+345888),Mdlic(+831892)	N/A
Chr6	143712576	143712732	Chr6.123732	Sax5(+496826),Etnk1(+545424)	N/A
Chr6	143714478	143714771	Chr6.123741	Sax5(+494855),Etnk1(+547395)	N/A
Chr6	16553455	16555004	Chr6.12375	Tlec(+344211),Mdlic(+833569)	N/A
Chr6	143753486	143753784	Chr6.123776	Sax5(+455845),Etnk1(+586465)	N/A
Chr6	143830299	143830514	Chr6.123832	Sax5(+379073),Etnk1(+663177)	N/A
Chr6	143831820	143832219	Chr6.123843	Sax5(+377460),Etnk1(+664790)	N/A
Chr6	143860168	143860450	Chr6.123912	Sax5(+349171),Etnk1(+693079)	N/A
Chr6	16572751	16573160	Chr6.12392	Tlec(+325485),Mdlic(+852295)	N/A
Chr6	143865290	143865524	Chr6.123961	Sax5(+314073),Etnk1(+728177)	N/A
Chr6	143912388	143941719	Chr6.124021	Sax5(+267376),Etnk1(+774274)	N/A
Chr6	143969181	143969319	Chr6.124049	Sax5(+240230),Etnk1(+802020)	N/A
Chr6	143997604	143997826	Chr6.124086	Sax5(+211765),Etnk1(+830485)	N/A
Chr6	143998008	143998179	Chr6.124088	Sax5(+211386),Etnk1(+830864)	N/A
Chr6	144012187	144012508	Chr6.124104	Sax5(+197132),Etnk1(+845118)	N/A
Chr6	144039400	144039857	Chr6.124125	Sax5(+169851),Etnk1(+872389)	N/A
Chr6	144042040	144042459	Chr6.124138	Sax5(+167230),Etnk1(+875020)	N/A

Chr6	144042889	144043386	Chr6.124143	<i>Sax5(+166342),Etnk1(+875908)</i>	N/A
Chr6	144045568	144045923	Chr6.124149	<i>Sax5(+163734),Etnk1(+878516)</i>	N/A
Chr6	144047331	144047436	Chr6.124154	<i>Sax5(+162096),Etnk1(+880154)</i>	N/A
Chr6	144049508	144049648	Chr6.124158	<i>Sax5(+159932),Etnk1(+882348)</i>	N/A
Chr6	144050455	144050581	Chr6.124159	<i>Sax5(+158962),Etnk1(+883288)</i>	N/A
Chr6	144054843	144055271	Chr6.124167	<i>Sax5(+154423),Etnk1(+887827)</i>	N/A
Chr6	144055316	144055680	Chr6.124172	<i>Sax5(+153982),Etnk1(+888268)</i>	N/A
Chr6	144055865	144055977	Chr6.124176	<i>Sax5(+153559),Etnk1(+888691)</i>	N/A
Chr6	144056179	144056484	Chr6.124177	<i>Sax5(+153148),Etnk1(+889142)</i>	N/A
Chr6	144056728	144057221	Chr6.124183	<i>Sax5(+152505),Etnk1(+889745)</i>	N/A
Chr6	144057316	144057458	Chr6.124184	<i>Sax5(+152093),Etnk1(+890157)</i>	N/A
Chr6	144066496	144066654	Chr6.124188	<i>Sax5(+142905),Etnk1(+899345)</i>	N/A
Chr6	144075762	144075948	Chr6.124193	<i>Sax5(+133625),Etnk1(+908625)</i>	N/A
Chr6	144082307	144082498	Chr6.124200	<i>Sax5(+127077),Etnk1(+915173)</i>	N/A
Chr6	144089026	144089308	Chr6.124228	<i>Sax5(+126533),Etnk1(+915617)</i>	N/A
Chr6	144105995	144106108	Chr6.124241	<i>Sax5(+111313),Etnk1(+930937)</i>	N/A
Chr6	144106871	144106990	Chr6.124246	<i>Sax5(+103428),Etnk1(+938822)</i>	N/A
Chr6	144111754	144111862	Chr6.124256	<i>Sax5(+102549),Etnk1(+939701)</i>	N/A
Chr6	144129858	144130133	Chr6.124275	<i>Sax5(+97672),Etnk1(+944578)</i>	N/A
Chr6	144165952	144166372	Chr6.124313	<i>Sax5(+79494),Etnk1(+962766)</i>	N/A
Chr6	144168852	144169026	Chr6.124326	<i>Sax5(+43318),Etnk1(+998932)</i>	N/A
Chr6	144169908	144170045	Chr6.124328	<i>Sax5(+40541)</i>	N/A
Chr6	144180658	144180854	Chr6.124343	<i>Sax5(+39503)</i>	N/A
Chr6	144181041	144181158	Chr6.124345	<i>Sax5(+28724)</i>	N/A
Chr6	144197408	144197629	Chr6.124357	<i>Sax5(+28380)</i>	N/A
Chr6	144197666	144198177	Chr6.124360	<i>Sax5(+11961)</i>	N/A
Chr6	144201762	144201861	Chr6.124369	<i>Sax5(+11558)</i>	N/A
Chr6	144202695	144202999	Chr6.124371	<i>Sax5(+7668)</i>	N/A
Chr6	144203932	144204298	Chr6.124375	<i>Sax5(+6633)</i>	N/A
Chr6	144207347	144207452	Chr6.124389	<i>Sax5(+5365)</i>	N/A
Chr6	144207564	144207707	Chr6.124397	<i>Sax5(+2080)</i>	N/A
Chr6	144208075	144208577	Chr6.124396	<i>Sax5(+1844)</i>	N/A
Chr6	144208799	144208947	Chr6.124407	<i>Sax5(+1154)</i>	N/A
Chr6	144210134	144210361	Chr6.124416	<i>Sax5(+607)</i>	N/A
Chr6	144210482	144210756	Chr6.124417	<i>Sax5(+768)</i>	N/A
Chr6	144210786	144211050	Chr6.124418	<i>Sax5(+1139)</i>	N/A
Chr6	144211130	144211302	Chr6.124420	<i>Sax5(+1438)</i>	N/A
Chr6	144211496	144211677	Chr6.124423	<i>Sax5(+1736)</i>	N/A
Chr6	144211950	144212116	Chr6.124425	<i>Sax5(+2107)</i>	N/A
Chr6	144250095	144250880	Chr6.124453	<i>Sax5(+2553)</i>	N/A
Chr6	144251174	144251446	Chr6.124457	<i>Sax5(+41308),Bcat1(+798024)</i>	N/A
Chr6	144251537	144252164	Chr6.124469	<i>Sax5(+41830),Bcat1(+797502)</i>	N/A
Chr6	144252254	144252365	Chr6.124462	<i>Sax5(+2371),Bcat1(+796951)</i>	N/A
Chr6	144252607	144252996	Chr6.124464	<i>Sax5(+42830),Bcat1(+796502)</i>	N/A
Chr6	144256037	144256592	Chr6.124471	<i>Sax5(+43323),Bcat1(+796009)</i>	N/A
Chr6	144264330	144264471	Chr6.124484	<i>Sax5(+46835),Bcat1(+792497)</i>	N/A
Chr6	144264513	144264617	Chr6.124487	<i>Sax5(+54921),Bcat1(+784411)</i>	N/A
Chr6	144264896	144265201	Chr6.124492	<i>Sax5(+55085),Bcat1(+794247)</i>	N/A
Chr6	144278615	144278901	Chr6.124510	<i>Sax5(+55569),Bcat1(+783763)</i>	N/A
Chr6	144282883	144283140	Chr6.124516	<i>Sax5(+69278),Bcat1(+770054)</i>	N/A
Chr6	144299208	144299736	Chr6.124540	<i>Sax5(+73532),Bcat1(+765800)</i>	N/A
Chr6	144337262	144337543	Chr6.124613	<i>Sax5(+89992),Bcat1(+749340)</i>	N/A
Chr6	144337724	144338010	Chr6.124617	<i>Sax5(+127923),Bcat1(+711409)</i>	N/A
Chr6	144361364	144361673	Chr6.124644	<i>Sax5(+128387),Bcat1(+710945)</i>	N/A
Chr6	144398256	144398430	Chr6.124712	<i>Sax5(+152039),Bcat1(+687293)</i>	N/A
Chr6	144419280	144419467	Chr6.124747	<i>Sax5(+188863),Bcat1(+650469)</i>	N/A
Chr6	144427145	144427401	Chr6.124763	<i>Sax5(+208994),Bcat1(+629438)</i>	N/A
Chr6	144446156	144446530	Chr6.124774	<i>Sax5(+217793),Bcat1(+621539)</i>	N/A
Chr6	144453447	144453677	Chr6.124786	<i>Sax5(+236749),Bcat1(+602583)</i>	N/A
Chr6	144454227	144454607	Chr6.124790	<i>Sax5(+44082),Bcat1(+595255)</i>	N/A
Chr6	144454660	144454760	Chr6.124791	<i>Sax5(+244937),Bcat1(+594395)</i>	N/A
Chr6	144477390	144477641	Chr6.124837	<i>Sax5(+245230),Bcat1(+594102)</i>	N/A
Chr6	144480505	144480933	Chr6.124832	<i>Sax5(+268036),Bcat1(+571296)</i>	N/A
Chr6	144481238	144481475	Chr6.124838	<i>Sax5(+271239),Bcat1(+568093)</i>	N/A
Chr6	16638575	16637104	Chr6.12484	<i>Sax5(+271877),Bcat1(+567455)</i>	N/A
Chr6	144503963	144504078	Chr6.124864	<i>Ttec(+261451),Mdfic(+916329)</i>	N/A
Chr6	144541195	144541447	Chr6.124913	<i>Sax5(+294541),Bcat1(+544791)</i>	N/A
Chr6	144560294	144560536	Chr6.124927	<i>Sax5(+331841),Bcat1(+507491)</i>	N/A
Chr6	144575161	144575315	Chr6.124941	<i>Sax5(+350935),Bcat1(+488397)</i>	N/A
Chr6	144578941	144579771	Chr6.124945	<i>Sax5(+365758),Bcat1(+473574)</i>	N/A
Chr6	144579890	144580031	Chr6.124947	<i>Sax5(+370226),Bcat1(+469104)</i>	N/A
Chr6	4525247	4525615	Chr6.1250	<i>Sax5(+370481),Bcat1(+468851)</i>	N/A
Chr6	144648192	144648292	Chr6.125070	<i>Casd1(+75409),Col1a2(+19938)</i>	N/A
Chr6	144648492	144648644	Chr6.125074	<i>Sax5(+438762),Bcat1(+400570)</i>	N/A
Chr6	144648906	144648919	Chr6.125075	<i>Sax5(+439088),Bcat1(+400244)</i>	N/A
Chr6	16643422	16643728	Chr6.12508	<i>Sax5(+439383),Bcat1(+399949)</i>	N/A
Chr6	16667279	16667459	Chr6.12509	<i>Ttec(+254866),Mdfic(+922914)</i>	N/A
Chr6	16669033	16669226	Chr6.12514	<i>Ttec(+231072),Mdfic(+946708)</i>	N/A
Chr6	144723757	144723925	Chr6.125192	<i>Ttec(+229311),Mdfic(+948469)</i>	N/A
Chr6	144742898	144743039	Chr6.125213	<i>Sax5(+514361),Bcat1(+324971)</i>	N/A
Chr6	144751425	144751425	Chr6.125232	<i>Sax5(+53469),Bcat1(+305643)</i>	N/A
Chr6	144753583	144754310	Chr6.125243	<i>Sax5(+541870),Bcat1(+297463)</i>	N/A
Chr6	144780510	144780746	Chr6.125306	<i>Sax5(+544467),Bcat1(+294865)</i>	N/A
Chr6	144782381	144782631	Chr6.125314	<i>Sax5(+571148),Bcat1(+268184)</i>	N/A
Chr6	144783080	144783203	Chr6.125320	<i>Sax5(+573026),Bcat1(+266306)</i>	N/A
Chr6	144834652	144835029	Chr6.125337	<i>Sax5(+573662),Bcat1(+265670)</i>	N/A
Chr6	144863903	144864086	Chr6.125395	<i>Sax5(+625351),Bcat1(+213971)</i>	N/A
Chr6	16686244	16686474	Chr6.12541	<i>Sax5(+654515),Bcat1(+184817)</i>	N/A
Chr6	144880097	144880445	Chr6.125419	<i>Ttec(+212082),Mdfic(+965698)</i>	N/A
Chr6	144883050	144883418	Chr6.125422	<i>Sax5(+670791),Bcat1(+168541)</i>	N/A
Chr6	16686586	16686736	Chr6.12543	<i>Sax5(+673754),Bcat1(+165578)</i>	N/A
Chr6	144890118	144890606	Chr6.125431	<i>Ttec(+217189),Mdfic(+965991)</i>	N/A
Chr6	144900371	144900523	Chr6.125442	<i>Sax5(+680862),Bcat1(+158456)</i>	N/A
Chr6	144902657	144902850	Chr6.125446	<i>Sax5(+690967),Bcat1(+148365)</i>	N/A
Chr6	144938193	144938315	Chr6.125484	<i>Sax5(+693274),Bcat1(+146058)</i>	N/A
Chr6	144938353	144938691	Chr6.125486	<i>Sax5(+728774),Bcat1(+110558)</i>	N/A
Chr6	144938780	144938986	Chr6.125489	<i>Sax5(+729042),Bcat1(+110290)</i>	N/A
Chr6	16689432	16688574	Chr6.12549	<i>Sax5(+73348),Bcat1(+100994)</i>	N/A
Chr6	144938998	144939114	Chr6.125492	<i>Ttec(+209938),Mdfic(+967842)</i>	N/A
Chr6	144944989	144945444	Chr6.125504	<i>Sax5(+729576),Bcat1(+109756)</i>	N/A
Chr6	144945985	144946431	Chr6.125509	<i>Sax5(+735737),Bcat1(+103595)</i>	N/A
Chr6	144947861	144947994	Chr6.125517	<i>Sax5(+736728),Bcat1(+102604)</i>	N/A
Chr6	144956105	144956267	Chr6.125521	<i>Sax5(+740706),Bcat1(+92626)</i>	N/A
Chr6	144961545	144961865	Chr6.125527	<i>Sax5(+752225),Bcat1(+87107)</i>	N/A
Chr6	144983419	144983602	Chr6.125540	<i>Sax5(+774031),Bcat1(+65301)</i>	N/A
Chr6	145008608	145009054	Chr6.125574	<i>Sax5(+799351),Bcat1(+39981)</i>	N/A
Chr6	145012791	145013006	Chr6.125586	<i>Sax5(+803419),Bcat1(+35913)</i>	N/A
Chr6	145016418	145016595	Chr6.125597	<i>Sax5(+809027),Bcat1(+30305)</i>	N/A
Chr6	16696897	16696826	Chr6.12561	<i>Ttec(+201694),Mdfic(+978096)</i>	N/A
Chr6	145121680	145121905	Chr6.125646	<i>Lmp1(+54)</i>	N/A
Chr6	16697127	16697350	Chr6.12565	<i>Ttec(+201202),Mdfic(+976578)</i>	N/A
Chr6	145144777	145144901	Chr6.125661	<i>Lmp1(+23100),Cascl(+66131)</i>	N/A
Chr6	16701407	16701691	Chr6.12568	<i>Ttec(+198952),Mdfic(+980888)</i>	N/A
Chr6	145249541	145249602	Chr6.125838	<i>Kras(+637)</i>	N/A
Chr6	145276409	145276551	Chr6.125845	<i>Kras(+26241),Lmnd1(+158445)</i>	N/A
Chr6	16702693	16702975	Chr6.12585	<i>Ttec(+195607),Mdfic(+982173)</i>	N/A
Chr6	145297882	145298083	Chr6.125859	<i>Kras(+47744),Lmnd1(+136942)</i>	N/A
Chr6	145331400	145331542	Chr6.125872	<i>Kras(+81233),Lmnd1(+103544)</i>	N/A
Chr6	145340355	145340279	Chr6.125881	<i>Kras(+89928),Lmnd1(+94759)</i>	N/A
Chr6	145340773	145340924	Chr6.125886	<i>Kras(+90510),Lmnd1(+94078)</i>	N/A
Chr6	145352218	145352348	Chr6.125895	<i>Kras(+102044),Lmnd1(+82642)</i>	N/A
Chr6	16703215	16703750	Chr6.12590	<i>Ttec(+194958),Mdfic(+982822)</i>	N/A
Chr6	145358154	145358261	Chr6.125903	<i>Kras(+107969),Lmnd1(+76717)</i>	N/A
Chr6	145359920	145360064	Chr6.125908	<i>Kras(+109753),Lmnd1(+74933)</i>	N/A
Chr6	145445785	145445931	Chr6.125943	<i>Tuba3b(+169898),Lmnd1(+10933)</i>	N/A
Chr6	145524617	145524874	Chr6.125966	<i>Tuba3b(+91011),Lmnd1(+89821)</i>	N/A
Chr6	145524908	145525059	Chr6.125968	<i>Tuba3b(+90773),Lmnd1(+90059)</i>	N/A
Chr6	145569492	145569594	Chr6.125984	<i>Lmnd1(+134618),Tuba3b(+46214)</i>	N/A
Chr6	145592432	145592542	Chr6.125989	<i>Lmnd1(+157562),Tuba3b(+23270)</i>	N/A
Chr6	145599375	145599491	Chr6.126006	<i>Lmnd1(+164508),Tuba3b(+16324)</i>	N/A
Chr6	145630492	145630643	Chr6.126033	<i>Rassf8(+115189),Tuba3b(+14811)</i>	N/A
Chr6	145641277	145641387	Chr6.126039	<i>Rassf8(+10541),Tuba3b(+25575)</i>	N/A
Chr6	145817238	145817418	Chr6.126146	<i>Bhlhe41(+48230),Rassf8(+70580)</i>	N/A
Chr6	145820588	145820797	Chr6.126176	<i>Bhlhe41(+44865),Rassf8(+73945)</i>	N/A
Chr6	145865494	145865611	Chr6.126224	<i>Bhlhe41(+5)</i>	N/A
Chr6	145865558	145865884	Chr6.126225	<i>Bhlhe41(+263)</i>	N/A
Chr6	145866004	145866113	Chr6.126226	<i>Bhlhe41(+501)</i>	N/A

Chr6	145866298	145866441	Chr6.126227	<i>Bhlhe41(-812)</i>	N/A
Chr6	145877144	145877286	Chr6.126232	<i>Ssnp(-56907), Bhlhe41(-11657)</i>	N/A
Chr6	145958361	145958481	Chr6.126304	<i>Ssnp(+54259), ltr2(+543678)</i>	N/A
Chr6	145963989	145964268	Chr6.126326	<i>Ssnp(+30011), ltr2(+537966)</i>	N/A
Chr6	145968341	145968689	Chr6.126337	<i>Ssnp(+34393), ltr2(+533584)</i>	N/A
Chr6	145998875	145998985	Chr6.126376	<i>Ssnp(+64808), ltr2(+503169)</i>	N/A
Chr6	146008792	146008906	Chr6.126390	<i>Ssnp(+74727), ltr2(+493250)</i>	N/A
Chr6	146009685	146009823	Chr6.126394	<i>Ssnp(+75632), ltr2(+492345)</i>	N/A
Chr6	146009910	146010023	Chr6.126397	<i>Ssnp(+75845), ltr2(+492132)</i>	N/A
Chr6	146010160	146010344	Chr6.126401	<i>Ssnp(+76130), ltr2(+491847)</i>	N/A
Chr6	146010459	146010642	Chr6.126405	<i>Ssnp(+76429), ltr2(+491548)</i>	N/A
Chr6	146083406	146083570	Chr6.126414	<i>Ssnp(+149366), ltr2(+418611)</i>	N/A
Chr6	146221401	146221590	Chr6.126577	<i>ltr2(+280603), Ssnp(+287374)</i>	N/A
Chr6	146254587	146254718	Chr6.126628	<i>ltr2(+247448), Ssnp(+320531)</i>	N/A
Chr6	146255003	146255145	Chr6.126630	<i>ltr2(+247025), Ssnp(+320953)</i>	N/A
Chr6	146271131	146271496	Chr6.126641	<i>ltr2(+230785), Ssnp(+337192)</i>	N/A
Chr6	146358099	146358265	Chr6.126748	<i>ltr2(+143917), Ssnp(+424060)</i>	N/A
Chr6	146404251	146404425	Chr6.126817	<i>ltr2(+97761), Ssnp(+470216)</i>	N/A
Chr6	146404534	146404637	Chr6.126821	<i>ltr2(+97513), Ssnp(+470464)</i>	N/A
Chr6	146513980	146514170	Chr6.126888	<i>ltr2(-11976), ltr13(+63760)</i>	N/A
Chr6	146530733	146530961	Chr6.126894	<i>ltr2(-28749), ltr13(+46968)</i>	N/A
Chr6	16765407	16765862	Chr6.12691	<i>Ttec(+132806)</i>	N/A
Chr6	146577254	146577505	Chr6.126945	<i>Fgr1op2(-479), ltr13(+455)</i>	N/A
Chr6	146731945	146732145	Chr6.127090	<i>Amt2(-64020), Slk38(+7050)</i>	N/A
Chr6	146742605	146742791	Chr6.127098	<i>Amt2(-53367), Slk38(+17703)</i>	N/A
Chr6	146879154	146879266	Chr6.127205	<i>Ppf1bp1(-9379), Smc2(+29106)</i>	N/A
Chr6	146884933	146885063	Chr6.127215	<i>Ppf1bp1(-3591)</i>	N/A
Chr6	146917415	146917519	Chr6.127246	<i>Ppf1bp1(+28878), 170003405nik(+36955)</i>	N/A
Chr6	146944850	146945007	Chr6.127260	<i>170003405nik(+9493), Ppf1bp1(+56340)</i>	N/A
Chr6	146947383	146947486	Chr6.127262	<i>170003405nik(+6987), Ppf1bp1(+58846)</i>	N/A
Chr6	16794187	16794386	Chr6.127322	<i>Ttec(+104154)</i>	N/A
Chr6	147012245	147012378	Chr6.127330	<i>170003405nik(-67890), Rep15(-20225)</i>	N/A
Chr6	147016779	147016952	Chr6.127344	<i>170003405nik(-62444), Rep15(-15671)</i>	N/A
Chr6	16796790	16797154	Chr6.12742	<i>Ttec(+101469)</i>	N/A
Chr6	147062281	147062486	Chr6.127426	<i>Mps35(+19620), Mnsoc4(+24648)</i>	N/A
Chr6	147099426	147099664	Chr6.127493	<i>Kln42(-8166), Pthlh(+164622)</i>	N/A
Chr6	16797619	16797862	Chr6.12750	<i>Ttec(+100700)</i>	N/A
Chr6	147121031	147121161	Chr6.127543	<i>Kln42(+29717), Pthlh(+143071)</i>	N/A
Chr6	147121479	147121583	Chr6.127546	<i>Kln42(+30152), Pthlh(+142636)</i>	N/A
Chr6	147145460	147145773	Chr6.127579	<i>Kln42(+54238), Pthlh(+118550)</i>	N/A
Chr6	147155593	147155893	Chr6.127590	<i>Kln42(+64364), Pthlh(+108424)</i>	N/A
Chr6	147161945	147162174	Chr6.127599	<i>Kln42(-70681), Pthlh(+102107)</i>	N/A
Chr6	16804607	16804815	Chr6.12760	<i>Ttec(+93730)</i>	N/A
Chr6	147162362	147162522	Chr6.127602	<i>Kln42(-71063), Pthlh(+101725)</i>	N/A
Chr6	147177517	147177647	Chr6.127614	<i>Kln42(+86203), Pthlh(+86585)</i>	N/A
Chr6	147260901	147261073	Chr6.127684	<i>Pthlh(+3180), Kln42(+169608)</i>	N/A
Chr6	147261324	147261456	Chr6.127687	<i>Pthlh(+2777), Kln42(+170011)</i>	N/A
Chr6	147261930	147262216	Chr6.127693	<i>Pthlh(+2094), Kln42(+170694)</i>	N/A
Chr6	147263672	147263775	Chr6.127708	<i>Pthlh(+443)</i>	N/A
Chr6	147263887	147263987	Chr6.127710	<i>Pthlh(+230)</i>	N/A
Chr6	147273674	147273975	Chr6.127748	<i>Ccdc91(-202046), Pthlh(-9658)</i>	N/A
Chr6	147335537	147335758	Chr6.127830	<i>Ccdc91(-140223), Pthlh(-71481)</i>	N/A
Chr6	147335798	147335976	Chr6.127835	<i>Ccdc91(-139984), Pthlh(-71720)</i>	N/A
Chr6	147380737	147380895	Chr6.127833	<i>Pthlh(-116649), Ccdc91(-95055)</i>	N/A
Chr6	147388928	147389035	Chr6.127942	<i>Pthlh(-124815), Ccdc91(-86889)</i>	N/A
Chr6	147391549	147391780	Chr6.127945	<i>Pthlh(-127498), Ccdc91(-84206)</i>	N/A
Chr6	147391812	147391931	Chr6.127951	<i>Pthlh(-127705), Ccdc91(-83999)</i>	N/A
Chr6	147392086	147392294	Chr6.127953	<i>Pthlh(-128023), Ccdc91(-83681)</i>	N/A
Chr6	147489396	147489619	Chr6.128028	<i>Far2(-587908), Ccdc91(+13637)</i>	N/A
Chr6	147498811	147499089	Chr6.128031	<i>Far2(-557466), Ccdc91(+14079)</i>	N/A
Chr6	147506283	147506595	Chr6.128035	<i>Far2(-540977), Ccdc91(+30568)</i>	N/A
Chr6	147507283	147507599	Chr6.128042	<i>Far2(-539975), Ccdc91(+31570)</i>	N/A
Chr6	147518231	147518788	Chr6.128053	<i>Far2(-528906), Ccdc91(+42639)</i>	N/A
Chr6	147568972	147569173	Chr6.128083	<i>Far2(-478343), Ccdc91(+93202)</i>	N/A
Chr6	147569240	147569648	Chr6.128084	<i>Far2(-477972), Ccdc91(+93573)</i>	N/A
Chr6	147574462	147574628	Chr6.128095	<i>Far2(-472871), Ccdc91(+98674)</i>	N/A
Chr6	147574948	147575110	Chr6.128097	<i>Far2(-472387), Ccdc91(+99158)</i>	N/A
Chr6	147575142	147575275	Chr6.128099	<i>Far2(-472207), Ccdc91(+99338)</i>	N/A
Chr6	147664259	147664485	Chr6.128158	<i>Far2(-383044), Ccdc91(+188501)</i>	N/A
Chr6	147664633	147664740	Chr6.128161	<i>Far2(-382723), Ccdc91(+188816)</i>	N/A
Chr6	147694749	147695145	Chr6.128193	<i>Far2(-352459), Ccdc91(+219076)</i>	N/A
Chr6	147717892	147718004	Chr6.128200	<i>Far2(-329468), Ccdc91(+242077)</i>	N/A
Chr6	147718180	147718409	Chr6.128204	<i>Far2(-329121), Ccdc91(+242424)</i>	N/A
Chr6	147718439	147718693	Chr6.128207	<i>Far2(-328850), Ccdc91(+242695)</i>	N/A
Chr6	147728051	147728271	Chr6.128219	<i>Far2(-319255), Ccdc91(+252290)</i>	N/A
Chr6	16855950	147728814	Chr6.128221	<i>Far2(-318743), Ccdc91(+252802)</i>	N/A
Chr6	147798616	16856128	Chr6.12827	<i>Ttec(+42402)</i>	N/A
Chr6	147799317	147798835	Chr6.128319	<i>Far2(-248690), Ccdc91(+322855)</i>	N/A
Chr6	147799499	147799442	Chr6.128327	<i>Far2(-248036), Ccdc91(+323509)</i>	N/A
Chr6	147911383	147799648	Chr6.128329	<i>Far2(-247842), Ccdc91(+323703)</i>	N/A
Chr6	147918381	147911546	Chr6.128400	<i>Far2(-135951), Ccdc91(+435594)</i>	N/A
Chr6	147953024	147919497	Chr6.128410	<i>Far2(-127917), Ccdc91(+443556)</i>	N/A
Chr6	147953272	147953219	Chr6.128460	<i>Far2(-94294), Ccdc91(+77251)</i>	N/A
Chr6	147953802	147953447	Chr6.128463	<i>Far2(-94056), Ccdc91(+77489)</i>	N/A
Chr6	148401819	147954013	Chr6.128469	<i>Far2(-93508), Ccdc91(+78037)</i>	N/A
Chr6	148538861	148401972	Chr6.128736	<i>Tmtc1(+42493), Rps4l(+47240)</i>	N/A
Chr6	148831342	148599110	Chr6.128866	<i>Tmtc1(+154657), lpo8(+232421)</i>	N/A
Chr6	148917712	148831510	Chr6.128985	<i>lpo8(+41)</i>	N/A
Chr6	148943798	148917844	Chr6.129054	<i>Caprin2(-21541), Sinhcalf(+27048)</i>	N/A
Chr6	148946363	148943977	Chr6.129085	<i>Sinhcalf(+938)</i>	N/A
Chr6	148947232	148946666	Chr6.129093	<i>Sinhcalf(-1689)</i>	N/A
Chr6	148947612	148947337	Chr6.129097	<i>Sinhcalf(-2459)</i>	N/A
Chr6	4533066	148947758	Chr6.129099	<i>Sinhcalf(-2859)</i>	N/A
Chr6	148958553	4533318	Chr6.1291	<i>Casd1(-67648), Col1a2(+27699)</i>	N/A
Chr6	148992781	148960103	Chr6.129100	<i>Sinhcalf(-15152), Dnnd5b(+141702)</i>	N/A
Chr6	148993413	148992902	Chr6.129108	<i>Sinhcalf(-48016), Dnnd5b(+108838)</i>	N/A
Chr6	16957339	148993676	Chr6.129114	<i>Sinhcalf(-48669), Dnnd5b(+108185)</i>	N/A
Chr6	4534578	16957339	Chr6.12955	<i>Tes1(-107868), Tes1(-58820)</i>	N/A
Chr6	16995627	4535042	Chr6.1300	<i>Casd1(-66030), Col1a2(+29317)</i>	N/A
Chr6	17068140	16995897	Chr6.13006	<i>Ttec(-97321), Tes1(-69387)</i>	N/A
Chr6	17068306	17068246	Chr6.13040	<i>Cav2(-212992), Tes1(+3044)</i>	N/A
Chr6	17079996	17068531	Chr6.13042	<i>Cav2(-212766), Tes1(+3270)</i>	N/A
Chr6	17082228	17080103	Chr6.13054	<i>Cav2(-201133), Tes1(+14901)</i>	N/A
Chr6	17082890	17082438	Chr6.13058	<i>Cav2(-198852), Tes1(+17184)</i>	N/A
Chr6	17142974	17083009	Chr6.13061	<i>Cav2(-198235), Tes1(+17801)</i>	N/A
Chr6	17154963	17143363	Chr6.13133	<i>Cav2(-138016), Tes1(+78020)</i>	N/A
Chr6	17170480	17155156	Chr6.13147	<i>Cav2(-126125), Tes1(+89911)</i>	N/A
Chr6	17171391	17171097	Chr6.13161	<i>Cav2(-110396), Tes1(+105640)</i>	N/A
Chr6	17171618	17171567	Chr6.13171	<i>Cav2(-109706), Tes1(+106330)</i>	N/A
Chr6	17171966	17171817	Chr6.13175	<i>Cav2(-109468), Tes1(+106568)</i>	N/A
Chr6	17197738	17172167	Chr6.13183	<i>Cav2(-109118), Tes1(+106918)</i>	N/A
Chr6	17202004	17197921	Chr6.13210	<i>Cav2(-83355), Tes1(+132681)</i>	N/A
Chr6	4536936	17202181	Chr6.13222	<i>Cav2(-79092), Tes1(+136944)</i>	N/A
Chr6	17248153	4537056	Chr6.13263	<i>Casd1(-63844), Col1a2(+31503)</i>	N/A
Chr6	17307613	17248252	Chr6.13263	<i>Cav2(-32982), Tes1(-183054)</i>	N/A
Chr6	17340445	17307726	Chr6.13349	<i>Mel(-156130), Cav1(+1335)</i>	N/A
Chr6	17464407	17340611	Chr6.13433	<i>Mel(-123272), Cav1(+34193)</i>	N/A
Chr6	17490655	17464510	Chr6.13570	<i>Mel(+659)</i>	N/A
Chr6	4554202	17490941	Chr6.13644	<i>Capza2(-146185), Mel(+26998)</i>	N/A
Chr6	17516063	4555564	Chr6.1379	<i>Casd1(-45348), Col1a2(+49999)</i>	N/A
Chr6	17516684	17519467	Chr6.13790	<i>Capza2(-120718), Mel(+52465)</i>	N/A
Chr6	17522497	17516896	Chr6.13796	<i>Capza2(-120193), Mel(+52990)</i>	N/A
Chr6	4555748	17522596	Chr6.13805	<i>Capza2(-114436), Mel(+58747)</i>	N/A
Chr6	17530078	4560111	Chr6.13833	<i>Casd1(-44960), Col1a2(+50387)</i>	N/A
Chr6	17533420	17530385	Chr6.13851	<i>Capza2(-106751), Mel(+66432)</i>	N/A
Chr6	4557283	17533612	Chr6.13857	<i>Capza2(-106467), Mel(+66718)</i>	N/A
Chr6	4561208	4557394	Chr6.1386	<i>Casd1(-43501), Col1a2(+51846)</i>	N/A
Chr6	17562552	4561456	Chr6.1395	<i>Casd1(-39508), Col1a2(+55839)</i>	N/A
Chr6	17581245	17562967	Chr6.13968	<i>Capza2(-74223), Mel(+98960)</i>	N/A
Chr6	17665938	4568190	Chr6.1398	<i>Casd1(-32700), Col1a2(+62647)</i>	N/A
Chr6	17749034	17681714	Chr6.14020	<i>Capza2(-55683), Mel(+117500)</i>	N/A
Chr6	17749377	17749250	Chr6.14118	<i>S17(-83114), Capza2(+29073)</i>	N/A
Chr6	17749588	17749476	Chr6.14121	<i>S17(-28)</i>	N/A
Chr6	17817045	17749588	Chr6.14122	<i>S17(+257)</i>	N/A
Chr6	17873028	17817152	Chr6.14184	<i>S17(+603)</i>	N/A
Chr6	17876897	17873164	Chr6.14255	<i>S17(-67929), Wnt2(+213486)</i>	N/A
		17876787	Chr6.14263	<i>S17(+123926), Wnt2(+157489)</i>	N/A
				<i>S17(+127567), Wnt2(+153848)</i>	N/A

Chr6	17893827	17893887	Chr6.14297	Wnt2(+136678),Slt7(+144737)	N/A
Chr6	17926393	17926529	Chr6.14354	Wnt2(+104124),Slt7(+177291)	N/A
Chr6	17926561	17926703	Chr6.14356	Wnt2(+103953),Slt7(+177462)	N/A
Chr6	17926844	17926926	Chr6.14358	Wnt2(+102025),Slt7(+179390)	N/A
Chr6	4594389	4594653	Chr6.1436	Casid1(-6319),Col1a2(+89028)	N/A
Chr6	17929953	17930353	Chr6.14363	Wnt2(+100432),Slt7(+180983)	N/A
Chr6	17938575	17938745	Chr6.14386	Wnt2(+91925),Slt7(+189490)	N/A
Chr6	17998675	17998878	Chr6.14480	Wnt2(+31808),Slt7(+249607)	N/A
Chr6	4602102	4602216	Chr6.1451	Casid1(+13119),Sgce(+145045)	N/A
Chr6	18031792	18031982	Chr6.14556	Wnt2(-1292)	N/A
Chr6	18032296	18032477	Chr6.14559	Wnt2(-1802)	N/A
Chr6	18547789	18547889	Chr6.15084	Naa38(-300740),Ctnbp2(-32970)	N/A
Chr6	18622006	18622185	Chr6.15169	Naa38(-226483),Ctnbp2(-107227)	N/A
Chr6	18699277	18699513	Chr6.15245	Ctnbp2(-184526),Naa38(-149184)	N/A
Chr6	18699939	18700302	Chr6.15348	Ctnbp2(-185252),Naa38(-148458)	N/A
Chr6	4676395	4676504	Chr6.15370	Sgce(+70754),Casid1(+75610)	N/A
Chr6	4677791	4677967	Chr6.1582	Sgce(+69325),Casid1(+77039)	N/A
Chr6	21214233	21214347	Chr6.15866	Kond2(-1213)	N/A
Chr6	21215379	21215585	Chr6.15875	Kond2(-21)	N/A
Chr6	21215709	21215811	Chr6.15878	Kond2(+257)	N/A
Chr6	21272928	21328182	Chr6.16057	Kond2(+112552),Tspan12(+524460)	N/A
Chr6	4704266	4704392	Chr6.1646	Sgce(+42875),Casid1(+103489)	N/A
Chr6	21850653	21850854	Chr6.16692	Tspan12(+1761),Kcond2(+635251)	N/A
Chr6	21852218	21852399	Chr6.16706	Tspan12(+206)	N/A
Chr6	21863656	21863823	Chr6.16712	Ing3(-68331),Tspan12(-11225)	N/A
Chr6	21864267	21864451	Chr6.16715	Ing3(-85212),Tspan12(-11844)	N/A
Chr6	21949252	21949387	Chr6.16757	Ing3(-251)	N/A
Chr6	21949670	21949804	Chr6.16764	Ing3(+166)	N/A
Chr6	21986239	21986348	Chr6.16825	Cped1(+378)	N/A
Chr6	21989201	21989454	Chr6.16842	Wnt16(-298902),Cped1(+3412)	N/A
Chr6	21990555	21990699	Chr6.16847	Wnt16(-297603),Cped1(+4711)	N/A
Chr6	21990955	21990975	Chr6.16855	Wnt16(-289065),Cped1(+13249)	N/A
Chr6	22002770	22002907	Chr6.16861	Wnt16(-285391),Cped1(+16923)	N/A
Chr6	22026039	22026686	Chr6.16890	Wnt16(-261867),Cped1(+40447)	N/A
Chr6	22064546	22064651	Chr6.16937	Wnt16(-223631),Cped1(+78683)	N/A
Chr6	22071385	22071511	Chr6.16949	Wnt16(-216781),Cped1(+85533)	N/A
Chr6	22109640	22109849	Chr6.17013	Wnt16(-178485),Cped1(+123829)	N/A
Chr6	22140798	22140911	Chr6.17054	Wnt16(-147378),Cped1(+154939)	N/A
Chr6	22157550	22157845	Chr6.17083	Wnt16(-130532),Cped1(+171782)	N/A
Chr6	22189732	22189851	Chr6.17138	Wnt16(-98438),Cped1(+203876)	N/A
Chr6	22189887	22190201	Chr6.17141	Wnt16(-98186),Cped1(+204128)	N/A
Chr6	22201934	22202198	Chr6.17150	Wnt16(-86164),Cped1(+216150)	N/A
Chr6	22205529	22205658	Chr6.17159	Wnt16(-62636),Cped1(+219678)	N/A
Chr6	22212463	22212590	Chr6.17169	Wnt16(-75703),Cped1(+226611)	N/A
Chr6	22222912	22223216	Chr6.17192	Wnt16(-65166),Cped1(+237148)	N/A
Chr6	22280487	22280877	Chr6.17277	Wnt16(-7548),Cped1(+294766)	N/A
Chr6	4735023	4735190	Chr6.1731	Sgce(+12097),Casid1(+134267)	N/A
Chr6	47380390	4738135	Chr6.1732	Sgce(+9121),Casid1(+137243)	N/A
Chr6	4739955	4740156	Chr6.1735	Sgce(+7148),Casid1(+139216)	N/A
Chr6	22523473	22524135	Chr6.17415	Ptpnz1(-351698),Fam3c(-16783)	N/A
Chr6	22688740	22688953	Chr6.17507	Fam3c(-332681),Ptpnz1(-186655)	N/A
Chr6	22794323	22794730	Chr6.17551	Fam3c(-438361),Ptpnz1(-80975)	N/A
Chr6	22794783	22795228	Chr6.17554	Fam3c(-438940),Ptpnz1(-80496)	N/A
Chr6	22795516	22795725	Chr6.17559	Fam3c(-439453),Ptpnz1(-79881)	N/A
Chr6	22833705	22833902	Chr6.17576	Fam3c(-477638),Ptpnz1(-41698)	N/A
Chr6	22834700	22834799	Chr6.17581	Fam3c(-478584),Ptpnz1(-40752)	N/A
Chr6	4747299	4747605	Chr6.1762	Sgce(-248),Peg10(+146)	N/A
Chr6	22922950	22923197	Chr6.17634	Ptpnz1(+47572),Aass(+209912)	N/A
Chr6	4747656	4747772	Chr6.1766	Sgce(-510),Peg10(+408)	N/A
Chr6	4748664	4748881	Chr6.1770	Sgce(-1569),Peg10(+1467)	N/A
Chr6	23132992	23133134	Chr6.17941	Aass(-77)	N/A
Chr6	23248247	23248421	Chr6.18020	Fez1(-70)	N/A
Chr6	23248584	23248771	Chr6.18022	Fez1(-414)	N/A
Chr6	23311491	23311542	Chr6.18136	Fez1(-68853),Rnf133(+335188)	N/A
Chr6	23382323	23382468	Chr6.18280	Fez1(-134132),Rnf133(+267390)	N/A
Chr6	23383213	23383320	Chr6.18289	Fez1(-135003),Rnf133(+267038)	N/A
Chr6	4793098	4793200	Chr6.1860	Ppp19a(-110171),Peg10(+45843)	N/A
Chr6	4806665	4807101	Chr6.1866	Ppp19a(-96437),Peg10(+59577)	N/A
Chr6	4828465	4828617	Chr6.1879	Ppp19a(-74779),Peg10(+81235)	N/A
Chr6	4903853	4903954	Chr6.1887	Ppp19a(+586)	N/A
Chr6	4904159	4904278	Chr6.1898	Ppp19a(+699)	N/A
Chr6	24543184	24543480	Chr6.19065	Ndufa5(-15319),Ass15(-12740)	N/A
Chr6	4905178	4905377	Chr6.1907	Ppp19a(+1958),Pon1(+288668)	N/A
Chr6	24597573	24597752	Chr6.19142	Lmod2(-108)	N/A
Chr6	24635990	24663712	Chr6.19279	Wass(+1355),Lmod2(+65883)	N/A
Chr6	4907523	4907542	Chr6.1928	Ppp19a(+4113),Pon1(+286513)	N/A
Chr6	4914528	4914727	Chr6.1946	Ppp19a(+11308),Pon1(+279318)	N/A
Chr6	3462445	3462606	Chr6.195	Samd9(-62955),Hepacam2(+31972)	N/A
Chr6	4926021	4926180	Chr6.1961	Ppp19a(+22781),Pon1(+267845)	N/A
Chr6	4953088	4953395	Chr6.1989	Ppp19a(+49922),Pon1(+240704)	N/A
Chr6	25568816	25567189	Chr6.19959	Tmem229a(-730878),Gpr37(+3726)	N/A
Chr6	25690079	25690265	Chr6.19981	Gpr37(+557)	N/A
Chr6	4970960	4971060	Chr6.2005	Ppp19a(+67690),Pon1(+222936)	N/A
Chr6	4982807	4983086	Chr6.2014	Ppp19a(+79627),Pon1(+210999)	N/A
Chr6	4994655	4994941	Chr6.2022	Ppp19a(+91478),Pon1(+199148)	N/A
Chr6	26708565	26708718	Chr6.20479	Pot1a(-699416)	N/A
Chr6	5078982	5078372	Chr6.2061	Pon1(+115719),Ppp19a(+174907)	N/A
Chr6	5083014	5083190	Chr6.2075	Pon1(+110844),Ppp19a(+179782)	N/A
Chr6	5095331	5095640	Chr6.2084	Pon1(+98460),Ppp19a(+192166)	N/A
Chr6	5110745	5110874	Chr6.2097	Pon1(+83136),Ppp19a(+207490)	N/A
Chr6	28046737	28046950	Chr6.21541	Gm8(-87701)	N/A
Chr6	28121599	28121769	Chr6.21663	Gm8(+12861)	N/A
Chr6	28134223	28134675	Chr6.21744	Gm8(+96)	N/A
Chr6	5156954	5157055	Chr6.2188	Pon1(+36941),Ppp19a(+253685)	N/A
Chr6	5160532	5160734	Chr6.2207	Pon1(+33313),Ppp19a(+257313)	N/A
Chr6	28480077	28480422	Chr6.22114	Snd1(-98)	N/A
Chr6	28482922	28483021	Chr6.22126	Snd1(+2624),Lrrc4(+348773)	N/A
Chr6	28483181	28483328	Chr6.22128	Snd1(+2907),Lrrc4(+348492)	N/A
Chr6	28491421	28491548	Chr6.22139	Snd1(+11137),Lrrc4(+340262)	N/A
Chr6	28537841	28538117	Chr6.22207	Snd1(+57631),Lrrc4(+293768)	N/A
Chr6	28550631	28550955	Chr6.22238	Snd1(+7045),Lrrc4(+280954)	N/A
Chr6	5164769	5164897	Chr6.2227	Pon1(+29113),Ppp19a(+261513)	N/A
Chr6	28562040	28562169	Chr6.22289	Snd1(+81757),Lrrc4(+269642)	N/A
Chr6	28566030	28566283	Chr6.22303	Snd1(+85809),Lrrc4(+265590)	N/A
Chr6	28572979	28573219	Chr6.22312	Snd1(+92751),Lrrc4(+258648)	N/A
Chr6	28577417	28577569	Chr6.22332	Snd1(+97145),Lrrc4(+254254)	N/A
Chr6	5165224	5165664	Chr6.2234	Pon1(+28502),Ppp19a(+262124)	N/A
Chr6	5165704	5165896	Chr6.2241	Pon1(+28146),Ppp19a(+262480)	N/A
Chr6	28629425	28628645	Chr6.22442	Snd1(+148187),Lrrc4(+203212)	N/A
Chr6	28633455	28633843	Chr6.22453	Snd1(+153201),Lrrc4(+195198)	N/A
Chr6	28634520	28634626	Chr6.22460	Snd1(+154225),Lrrc4(+197174)	N/A
Chr6	28704164	28704360	Chr6.22548	Lrrc4(+127485),Snd1(+223914)	N/A
Chr6	28705473	28705755	Chr6.22556	Lrrc4(+126133),Snd1(+225266)	N/A
Chr6	28705904	28706060	Chr6.22559	Lrrc4(+125765),Snd1(+225634)	N/A
Chr6	28706634	28707150	Chr6.22561	Lrrc4(+124855),Snd1(+226544)	N/A
Chr6	28709730	28709878	Chr6.22577	Lrrc4(+121843),Snd1(+229456)	N/A
Chr6	28729052	28729209	Chr6.22610	Lrrc4(+102616),Snd1(+248783)	N/A
Chr6	28743638	28743774	Chr6.22629	Lrrc4(+88041),Snd1(+263358)	N/A
Chr6	28743902	28744117	Chr6.22632	Lrrc4(+87737),Snd1(+263662)	N/A
Chr6	28748305	28748697	Chr6.22642	Lrrc4(+83261),Snd1(+268138)	N/A
Chr6	28756532	28757035	Chr6.22668	Lrrc4(+74963),Snd1(+276436)	N/A
Chr6	28783943	28784161	Chr6.22729	Lrrc4(+47695),Snd1(+303704)	N/A
Chr6	5178163	5178316	Chr6.22778	Pon1(+15706),Ppp19a(+274920)	N/A
Chr6	28810351	28810463	Chr6.22794	Lrrc4(+21340),Snd1(+330059)	N/A
Chr6	28810500	28810636	Chr6.22796	Lrrc4(+21179),Snd1(+330220)	N/A
Chr6	28817034	28817328	Chr6.22809	Lrrc4(+14568),Snd1(+336833)	N/A
Chr6	28819948	28820291	Chr6.22818	Lrrc4(+11627),Snd1(+339772)	N/A
Chr6	28822549	28822701	Chr6.22830	Lrrc4(+9122),Snd1(+342277)	N/A
Chr6	28827446	28827556	Chr6.22853	Lrrc4(+4246),Snd1(+347153)	N/A
Chr6	28831636	28831760	Chr6.22898	Lrrc4(+49)	N/A
Chr6	28832050	28832200	Chr6.22903	Lrrc4(-378)	N/A
Chr6	28832996	28833099	Chr6.22907	Lrrc4(-1501)	N/A
Chr6	28833382	28833516	Chr6.22911	Lrrc4(-1702)	N/A
Chr6	28842443	28842581	Chr6.22927	Lep(-217708),Lrrc4(-10765)	N/A
Chr6	28842621	28842720	Chr6.22929	Lep(-217549),Lrrc4(-10924)	N/A
Chr6	28843235	28843355	Chr6.22934	Lep(-216925),Lrrc4(-11548)	N/A
Chr6	28845480	28845627	Chr6.22937	Lep(-214686),Lrrc4(-13807)	N/A
Chr6	28852651	28852866	Chr6.22946	Lep(-207461),Lrrc4(-21012)	N/A

Chr6	28853218	28853397	Chr6.22951	Lep(-206912),Lrrc4(-21561)	N/A
Chr6	28853980	28854085	Chr6.22958	Lep(-206187),Lrrc4(-22288)	N/A
Chr6	28854507	28854624	Chr6.22960	Lep(-205854),Lrrc4(-22819)	N/A
Chr6	28854738	28854916	Chr6.22964	Lep(-205393),Lrrc4(-23086)	N/A
Chr6	28854972	28855153	Chr6.22968	Lep(-205157),Lrrc4(-23316)	N/A
Chr6	28864732	28864905	Chr6.22986	Lep(-195401),Lrrc4(-33072)	N/A
Chr6	28879445	28879574	Chr6.23024	Lep(-180710),Lrrc4(-47763)	N/A
Chr6	28901187	28901286	Chr6.23079	Lep(-158983),Lrrc4(-69490)	N/A
Chr6	28931511	28931660	Chr6.23091	Lep(-128634),Lrrc4(-99639)	N/A
Chr6	28981200	28981318	Chr6.23099	Lrrc4(-149512),Lep(-78961)	N/A
Chr6	28981371	28981548	Chr6.23101	Lrrc4(-149713),Lep(-78760)	N/A
Chr6	28981697	28981852	Chr6.23106	Lrrc4(-150028),Lep(-78445)	N/A
Chr6	28983703	28983803	Chr6.23108	Lrrc4(-152006),Lep(-76467)	N/A
Chr6	29079468	29079577	Chr6.23173	Lep(-19303),Rbm28(+85483)	N/A
Chr6	29117713	29117862	Chr6.23191	Rbm28(+47218),Lep(+57568)	N/A
Chr6	29167914	29168024	Chr6.23259	Rbm28(-2963)	N/A
Chr6	29196035	29196165	Chr6.23329	Prt4(-16516),Impdh1(+20264)	N/A
Chr6	29198659	29198760	Chr6.23330	Prt4(-19126),Impdh1(+17654)	N/A
Chr6	5236683	5236828	Chr6.2337	Pon1(-42810),Pon3(+19530)	N/A
Chr6	29211342	29211453	Chr6.23402	Prt4(-31814),Impdh1(+4966)	N/A
Chr6	29361818	29361818	Chr6.23510	Calu(+13556),Opi1sw(+18851)	N/A
Chr6	29362622	29362814	Chr6.23512	Calu(+14612),Opi1sw(+17795)	N/A
Chr6	29362972	29363134	Chr6.23519	Calu(+14947),Opi1sw(+17460)	N/A
Chr6	29375542	29375688	Chr6.23541	Opi1sw(+4898),Calu(+27509)	N/A
Chr6	29402850	29403032	Chr6.23615	Finc(-30214),Ccdc136(+6256)	N/A
Chr6	29430794	29431028	Chr6.23710	Finc(-2242)	N/A
Chr6	29431561	29431710	Chr6.23716	Finc(-1517)	N/A
Chr6	29432450	29432577	Chr6.23722	Finc(-639)	N/A
Chr6	29436020	29436140	Chr6.23743	Atg6v1f(-31638),Finc(+2927)	N/A
Chr6	5282486	5282652	Chr6.2430	Pon3(-26283),Pon2(+15886)	N/A
Chr6	29529162	29529278	Chr6.24374	IRF(-63)	N/A
Chr6	29609836	29609948	Chr6.24509	Trpo3(-5)	N/A
Chr6	29672905	29673014	Chr6.24520	Trpo3(-63073),Tspan33(-21262)	N/A
Chr6	29695676	29695825	Chr6.24535	Smo(-39943),Tspan33(+1529)	N/A
Chr6	29718192	29718314	Chr6.24584	Smo(-17441),Tspan33(+24031)	N/A
Chr6	5379760	5379883	Chr6.2459	Asb4(-3564)	N/A
Chr6	29735451	29735608	Chr6.24593	Smo(-164)	N/A
Chr6	29740546	29740698	Chr6.24604	Ahcyl2(-27870),Smo(+4928)	N/A
Chr6	5380727	5381040	Chr6.2464	Asb4(-2502)	N/A
Chr6	29765857	29766077	Chr6.24660	Ahcyl2(-2525)	N/A
Chr6	5382113	5382316	Chr6.2467	Asb4(-1171)	N/A
Chr6	29772170	29772363	Chr6.24685	Strip2(-144747),Ahcyl2(+3774)	N/A
Chr6	29814655	29814935	Chr6.24712	Strip2(-102228),Ahcyl2(+46293)	N/A
Chr6	29827268	29827429	Chr6.24723	Strip2(-89664),Ahcyl2(+58857)	N/A
Chr6	29853494	29853782	Chr6.24738	Strip2(-63375),Ahcyl2(+85146)	N/A
Chr6	29853977	29854146	Chr6.24744	Strip2(-62951),Ahcyl2(+85570)	N/A
Chr6	29859598	29859795	Chr6.24762	Strip2(-87316),Ahcyl2(+91205)	N/A
Chr6	29869894	29869894	Chr6.24775	Strip2(-48243),Ahcyl2(+102278)	N/A
Chr6	5390412	5390513	Chr6.2488	Asb4(+7077),Pdk4(+105846)	N/A
Chr6	30048809	30048953	Chr6.24985	Nrf1(+850)	N/A
Chr6	30053213	30053384	Chr6.24996	Nrf1(+5268),Ube2h(+251240)	N/A
Chr6	30079091	30079337	Chr6.24998	Nrf1(+31183),Ube2h(+225325)	N/A
Chr6	5395005	5395169	Chr6.2501	Asb4(+11701),Pdk4(+101222)	N/A
Chr6	30121266	30121445	Chr6.25053	Nrf1(+73325),Ube2h(+183183)	N/A
Chr6	30137139	30137458	Chr6.25072	Nrf1(+89268),Ube2h(+167240)	N/A
Chr6	5397395	5397571	Chr6.2508	Asb4(+14097),Pdk4(+98826)	N/A
Chr6	30147144	30147309	Chr6.25092	Nrf1(+99196),Ube2h(+157312)	N/A
Chr6	30151499	30151679	Chr6.25096	Nrf1(+103558),Ube2h(+152950)	N/A
Chr6	30169447	30169746	Chr6.25117	Nrf1(+121666),Ube2h(+134842)	N/A
Chr6	30173850	30173979	Chr6.25129	Nrf1(+126864),Ube2h(+130624)	N/A
Chr6	30174700	30174801	Chr6.25140	Nrf1(+126720),Ube2h(+129788)	N/A
Chr6	30175792	30175947	Chr6.25145	Nrf1(+127839),Ube2h(+128669)	N/A
Chr6	30185726	30185844	Chr6.25161	Ube2h(+118754),Nrf1(+137754)	N/A
Chr6	5403505	5403682	Chr6.2518	Asb4(+20208),Pdk4(+92715)	N/A
Chr6	54037115	5403858	Chr6.2520	Asb4(+20401),Pdk4(+92522)	N/A
Chr6	5403899	5404081	Chr6.2521	Asb4(-20604),Pdk4(-92319)	N/A
Chr6	30248919	30249119	Chr6.25213	Ube2h(+55520),Nrf1(+200988)	N/A
Chr6	30299047	30299351	Chr6.25242	Ube2h(+5340),Nrf1(+251168)	N/A
Chr6	30300567	30300814	Chr6.25248	Ube2h(+3948),Nrf1(+252660)	N/A
Chr6	30301022	30301144	Chr6.25251	Ube2h(+3456),Nrf1(+253052)	N/A
Chr6	30301191	30301356	Chr6.25253	Ube2h(+3285),Nrf1(+253243)	N/A
Chr6	30301770	30302415	Chr6.25259	Ube2h(+2446),Nrf1(+254062)	N/A
Chr6	30303482	30303661	Chr6.25270	Ube2h(+967)	N/A
Chr6	30304465	30304765	Chr6.25274	Ube2h(-76)	N/A
Chr6	30307737	30308030	Chr6.25280	Ube2h(-3345)	N/A
Chr6	30356837	30356776	Chr6.25296	Ube2h(-52168),Zc3hc(+34321)	N/A
Chr6	30359849	30359964	Chr6.25302	Ube2h(-55368),Zc3hc(+31121)	N/A
Chr6	30403028	30403128	Chr6.25352	Klhdc10(+1182),Tmem209(+106705)	N/A
Chr6	30403643	30403760	Chr6.25355	Klhdc10(+1806),Tmem209(+106081)	N/A
Chr6	30439162	30439268	Chr6.25372	Klhdc10(+37319),Tmem209(+70568)	N/A
Chr6	5413286	5413392	Chr6.2540	Asb4(+29953),Pdk4(+82970)	N/A
Chr6	30454950	30455176	Chr6.25427	Klhdc10(+52167),Tmem209(+54720)	N/A
Chr6	5421081	5421196	Chr6.2544	Asb4(-37753),Pdk4(+75170)	N/A
Chr6	30514354	30514647	Chr6.25491	Tmem209(-4718),Ssmem1(+2215)	N/A
Chr6	30526653	30526811	Chr6.25515	Cpa2(-14850),Ssmem1(+14446)	N/A
Chr6	30541021	30541270	Chr6.25524	Cpa2(-436)	N/A
Chr6	30541324	30541484	Chr6.25530	Cpa2(-178)	N/A
Chr6	30543773	30543944	Chr6.25541	Cpa4(-24510),Cpa2(+2277)	N/A
Chr6	30548009	30548136	Chr6.25566	Cpa4(-20296),Cpa2(+6491)	N/A
Chr6	30548435	30548601	Chr6.25571	Cpa4(-19851),Cpa2(+6936)	N/A
Chr6	30549846	30550022	Chr6.25578	Cpa4(-18435),Cpa2(+8352)	N/A
Chr6	30551289	30551410	Chr6.25592	Cpa4(-17019),Cpa2(+9768)	N/A
Chr6	30552417	30552534	Chr6.25603	Cpa4(-15983),Cpa2(+10919)	N/A
Chr6	30553632	30553819	Chr6.25605	Cpa4(-14643),Cpa2(+12144)	N/A
Chr6	30568174	30568480	Chr6.25624	Cpa4(-42)	N/A
Chr6	30572818	30573073	Chr6.25638	Cpa5(-38064),Cpa4(+4577)	N/A
Chr6	30575045	30575301	Chr6.25651	Cpa5(-35837),Cpa4(+6804)	N/A
Chr6	30576390	30576521	Chr6.25658	Cpa5(-34544),Cpa4(+8087)	N/A
Chr6	30580124	30580238	Chr6.25669	Cpa5(-30829),Cpa4(+11812)	N/A
Chr6	30606223	30606433	Chr6.25750	Cpa5(-4682)	N/A
Chr6	30611253	30611380	Chr6.25754	Cpa5(+307)	N/A
Chr6	30628095	30628416	Chr6.25806	Cpa1(-10962),Cpa5(+17246)	N/A
Chr6	30636196	30636315	Chr6.25837	Cpa1(-2962)	N/A
Chr6	30652482	30652597	Chr6.25913	Cpa1(+13322),Cep41(+41209)	N/A
Chr6	30653443	30653549	Chr6.25917	Cpa1(+14278),Cep41(+40253)	N/A
Chr6	30653865	30654288	Chr6.25921	Cpa1(+14859),Cep41(+39672)	N/A
Chr6	30654435	30654827	Chr6.25926	Cpa1(+15413),Cep41(+39118)	N/A
Chr6	30664767	30665293	Chr6.25966	Cpa1(+25812),Cep41(+28719)	N/A
Chr6	30668489	30668626	Chr6.25978	Cep41(+26191),Cpa1(+29340)	N/A
Chr6	5443249	5443381	Chr6.2599	Pdk4(+53004),Asb4(+56919)	N/A
Chr6	30669478	30669893	Chr6.25985	Cep41(+24063),Cpa1(+30468)	N/A
Chr6	30671994	30672113	Chr6.26002	Cep41(+21695),Cpa1(+32836)	N/A
Chr6	30674954	30675174	Chr6.26012	Cep41(+18685),Cpa1(+35846)	N/A
Chr6	30675796	30675913	Chr6.26016	Cep41(+17894),Cpa1(+36637)	N/A
Chr6	30682442	30682700	Chr6.26022	Cep41(+11178),Cpa1(+43353)	N/A
Chr6	30682876	30682978	Chr6.26024	Cep41(+10822),Cpa1(+43709)	N/A
Chr6	30693505	30693824	Chr6.26026	Cep41(+84)	N/A
Chr6	30694148	30694299	Chr6.26035	Cep41(-475)	N/A
Chr6	30697588	30697865	Chr6.26038	Cep41(-3978)	N/A
Chr6	30720786	30720963	Chr6.26043	Cep41(-27116),Mest(-17185)	N/A
Chr6	30722489	30722674	Chr6.26047	Cep41(-28833),Mest(-15468)	N/A
Chr6	30730565	30730759	Chr6.26063	Cep41(-36913),Mest(-7388)	N/A
Chr6	30748203	30748309	Chr6.26117	Mest(+10206),Cpg2(+148483)	N/A
Chr6	30959391	30959673	Chr6.26240	Klf14(-542)	N/A
Chr6	31049243	31049378	Chr6.26252	Klf14(-90321),Lncpnt(+169122)	N/A
Chr6	31077807	31078042	Chr6.26277	Klf14(-11895),Lncpnt(+10458)	N/A
Chr6	31087633	31087744	Chr6.26288	Klf14(-128699),Lncpnt(+130744)	N/A
Chr6	31088459	31088603	Chr6.26295	Klf14(-129541),Lncpnt(+129902)	N/A
Chr6	31088635	31088816	Chr6.26298	Klf14(-129736),Lncpnt(+129707)	N/A
Chr6	31089196	31089297	Chr6.26305	Klf14(-130257),Lncpnt(+129186)	N/A
Chr6	31096394	31096638	Chr6.26310	Klf14(-137526),Lncpnt(+121917)	N/A
Chr6	31111296	31111404	Chr6.26332	Klf14(-152360),Lncpnt(+107083)	N/A
Chr6	31125681	31125911	Chr6.26355	Klf14(-168606),Lncpnt(+92637)	N/A
Chr6	31126544	31126660	Chr6.26360	Klf14(-167612),Lncpnt(+91831)	N/A
Chr6	31169541	31169683	Chr6.26394	Klf14(-210622),Lncpnt(+48821)	N/A
Chr6	31218135	31218249	Chr6.26424	Lncpnt(+241)	N/A
Chr6	31218341	31218669	Chr6.26428	Lncpnt(-72)	N/A
Chr6	31220255	31220556	Chr6.26432	Lncpnt(-1973)	N/A

Chr6	31253535	31253649	Chr6.26459	Mkin1(-145143),Lncpint(-35159)	N/A
Chr6	31277877	31278001	Chr6.26494	Mkin1(-120796),Lncpint(-59506)	N/A
Chr6	31289515	31289629	Chr6.26506	Mkin1(-109963),Lncpint(-70339)	N/A
Chr6	31317791	31317960	Chr6.26544	Lncpint(-99443),Mkin1(-80658)	N/A
Chr6	31339526	31339676	Chr6.26576	Lncpint(-121168),Mkin1(-59134)	N/A
Chr6	31370459	31370710	Chr6.26592	Lncpint(-152152),Mkin1(-28150)	N/A
Chr6	31584971	31585088	Chr6.26764	1700012a03nik(-465216),Podxl(-21049)	N/A
Chr6	31596832	31597081	Chr6.26773	1700012a03nik(-453289),Podxl(-32976)	N/A
Chr6	31630238	31630369	Chr6.26804	1700012a03nik(-419942),Podxl(-66323)	N/A
Chr6	31642609	31642728	Chr6.26813	1700012a03nik(-407577),Podxl(-76688)	N/A
Chr6	31807768	31807872	Chr6.26936	Podxl(-243839),1700012a03nik(-242426)	N/A
Chr6	5726354	5726465	Chr6.2715	Dync11(+819)	N/A
Chr6	32126760	32126927	Chr6.27166	1700012a03nik(+76598),Ptxna4(+461348)	N/A
Chr6	32261420	32261546	Chr6.27447	1700012a03nik(+211237),Ptxna4(+326709)	N/A
Chr6	32364606	32364748	Chr6.27628	Ptxna4(-223515),1700012a03nik(+314431)	N/A
Chr6	5756716	5756886	Chr6.27663	Dync11(+31010),Slc25a13(+460317)	N/A
Chr6	32368372	32368544	Chr6.27637	Ptxna4(+219734),1700012a03nik(+318212)	N/A
Chr6	32377797	32377956	Chr6.27664	Ptxna4(+210315),1700012a03nik(+327631)	N/A
Chr6	32397215	32397336	Chr6.27711	Ptxna4(+190916),1700012a03nik(+347030)	N/A
Chr6	32406445	32406563	Chr6.27731	Ptxna4(+181688),1700012a03nik(+356258)	N/A
Chr6	32479271	32479385	Chr6.27848	Ptxna4(+108864),1700012a03nik(+429082)	N/A
Chr6	32482471	32482613	Chr6.27859	Ptxna4(+105650),1700012a03nik(+432296)	N/A
Chr6	32482693	32482831	Chr6.27860	Ptxna4(+105430),1700012a03nik(+432516)	N/A
Chr6	32493458	32493586	Chr6.27878	Ptxna4(+94670),1700012a03nik(+443276)	N/A
Chr6	32514249	32514417	Chr6.27827	Ptxna4(+73859),1700012a03nik(+464087)	N/A
Chr6	32525867	32525967	Chr6.27890	Ptxna4(-62275),1700012a03nik(-475671)	N/A
Chr6	32583994	32584113	Chr6.28044	Ptxna4(+4138),1700012a03nik(+533908)	N/A
Chr6	32586574	32586718	Chr6.28055	Ptxna4(+1546),1700012a03nik(+536400)	N/A
Chr6	32586980	32587126	Chr6.28058	Ptxna4(+1139),1700012a03nik(+536807)	N/A
Chr6	32780641	32780767	Chr6.28216	Ptxna4(-192512),Chchd3(+278556)	N/A
Chr6	32780824	32780988	Chr6.28220	Ptxna4(-19271),Chchd3(+279354)	N/A
Chr6	32805460	32805632	Chr6.28273	Ptxna4(-217354),Chchd3(+254714)	N/A
Chr6	32837535	32837707	Chr6.28337	Ptxna4(-249429),Chchd3(+222639)	N/A
Chr6	32837989	32838261	Chr6.28339	Ptxna4(-249933),Chchd3(+222135)	N/A
Chr6	32930890	32931015	Chr6.28491	Ptxna4(-342761),Chchd3(+129307)	N/A
Chr6	5816583	5816766	Chr6.2850	Dync11(+90894),Slc25a13(+400443)	N/A
Chr6	5816954	5817176	Chr6.2855	Dync11(+91274),Slc25a13(+400053)	N/A
Chr6	5817391	5817517	Chr6.2857	Dync11(+91663),Slc25a13(+399664)	N/A
Chr6	33001704	33001852	Chr6.28629	Ptxna4(-413586),Chchd3(+58482)	N/A
Chr6	33016770	33016869	Chr6.28660	Ptxna4(-428628),Chchd3(+43440)	N/A
Chr6	5825851	5826762	Chr6.2867	Dync11(+102881),Slc25a13(+388446)	N/A
Chr6	5829557	5829748	Chr6.2871	Dync11(+103962),Slc25a13(+387465)	N/A
Chr6	33059194	33059310	Chr6.28741	Ptxna4(-471053),Chchd3(+1013)	N/A
Chr6	33067654	33067897	Chr6.28756	Exoc4(-181309),Chchd3(-7516)	N/A
Chr6	33078530	33078790	Chr6.28761	Exoc4(-170425),Chchd3(-18400)	N/A
Chr6	5858776	5858988	Chr6.2901	Dync11(+133091),Slc25a13(+358236)	N/A
Chr6	5859921	5859945	Chr6.2906	Dync11(+133992),Slc25a13(+357335)	N/A
Chr6	33352096	33352348	Chr6.29088	Lrguk(-677226),Exoc4(-103137)	N/A
Chr6	5868278	5868854	Chr6.2929	Dync11(+142775),Slc25a13(+348552)	N/A
Chr6	5871192	5871323	Chr6.2933	Dync11(+145467),Slc25a13(+345860)	N/A
Chr6	33552695	33552991	Chr6.29377	Lrguk(-476605),Exoc4(+303758)	N/A
Chr6	33682040	33682466	Chr6.29531	Lrguk(-347195),Exoc4(+43168)	N/A
Chr6	5886574	5886834	Chr6.2964	Dync11(+160963),Slc25a13(+330364)	N/A
Chr6	33800948	33801100	Chr6.29738	Lrguk(-328434),Exoc4(+551939)	N/A
Chr6	33871088	33871187	Chr6.29852	Lrguk(-158310),Exoc4(+622053)	N/A
Chr6	5903028	5903343	Chr6.2986	Dync11(+177395),Slc25a13(+313932)	N/A
Chr6	5904683	5904856	Chr6.2997	Dync11(+178979),Slc25a13(+312348)	N/A
Chr6	33992373	33992526	Chr6.30045	Lrguk(-36998),Exoc4(+743365)	N/A
Chr6	5907914	5908133	Chr6.3010	Dync11(+182233),Slc25a13(+309094)	N/A
Chr6	34101648	34101782	Chr6.30179	Lrguk(+72257),Slc35a4(+75406)	N/A
Chr6	5923467	5923630	Chr6.3043	Dync11(+197758),Slc25a13(+293569)	N/A
Chr6	5930201	5930532	Chr6.3055	Dync11(+204576),Slc25a13(+286751)	N/A
Chr6	34498079	34498250	Chr6.30574	Cald1(-211277),Bpgm(+21958)	N/A
Chr6	34515916	34516036	Chr6.30586	Cald1(-193466),Bpgm(+39769)	N/A
Chr6	34520586	34520656	Chr6.30594	Cald1(-188721),Bpgm(+445146)	N/A
Chr6	34527573	34527716	Chr6.30600	Cald1(-181797),Bpgm(+51438)	N/A
Chr6	34531218	34531358	Chr6.30606	Cald1(-178154),Bpgm(+55081)	N/A
Chr6	34543848	34544092	Chr6.30616	Cald1(-165472),Bpgm(+67763)	N/A
Chr6	34548383	34548577	Chr6.30626	Cald1(-160962),Bpgm(+72273)	N/A
Chr6	5936032	5936156	Chr6.3064	Dync11(+210304),Slc25a13(+281023)	N/A
Chr6	34583481	34583630	Chr6.30676	Cald1(-125866),Bpgm(+107349)	N/A
Chr6	34593633	34593623	Chr6.30681	Cald1(-113014),Bpgm(+120221)	N/A
Chr6	34598156	34598671	Chr6.30686	Cald1(-111028),Bpgm(+122207)	N/A
Chr6	34599941	34600244	Chr6.30697	Cald1(-109349),Bpgm(+123886)	N/A
Chr6	34601118	34601335	Chr6.30700	Cald1(-108715),Bpgm(+125020)	N/A
Chr6	34602155	34602356	Chr6.30704	Cald1(-107186),Bpgm(+126049)	N/A
Chr6	34608639	34608788	Chr6.30711	Cald1(-100729),Bpgm(+132507)	N/A
Chr6	34615531	34615863	Chr6.30718	Cald1(-93745),Bpgm(+139490)	N/A
Chr6	34623282	34623480	Chr6.30724	Cald1(-86061),Bpgm(+147174)	N/A
Chr6	34623512	34623617	Chr6.30726	Cald1(-85877),Bpgm(+147358)	N/A
Chr6	34623648	34623781	Chr6.30728	Cald1(-85727),Bpgm(+147508)	N/A
Chr6	34633582	34633628	Chr6.30739	Cald1(-75687),Bpgm(+157540)	N/A
Chr6	34638097	34638382	Chr6.30745	Cald1(-71202),Bpgm(+162033)	N/A
Chr6	34638541	34638662	Chr6.30749	Cald1(-70690),Bpgm(+162545)	N/A
Chr6	34642296	34642491	Chr6.30759	Cald1(-67048),Bpgm(+166187)	N/A
Chr6	34669214	34669510	Chr6.30795	Cald1(-40080),Bpgm(+193155)	N/A
Chr6	34684971	34685335	Chr6.30814	Cald1(-24289),Bpgm(+208949)	N/A
Chr6	34695587	34695953	Chr6.30833	Cald1(-12672),Bpgm(+220563)	N/A
Chr6	34706322	34706457	Chr6.30852	Cald1(-3052)	N/A
Chr6	34708957	34709135	Chr6.30859	Cald1(-396)	N/A
Chr6	34709362	34709486	Chr6.30862	Cald1(-18)	N/A
Chr6	34710004	34710195	Chr6.30864	Cald1(-658)	N/A
Chr6	34710421	34710576	Chr6.30868	Cald1(+1057),Npn2(+16406)	N/A
Chr6	34729627	34729732	Chr6.30892	Npn2(-2775)	N/A
Chr6	34731546	34731715	Chr6.30898	Npn2(-4726)	N/A
Chr6	34734862	34735082	Chr6.30902	Agb3(-45460),Npn2(-8067)	N/A
Chr6	34739676	34739898	Chr6.30910	Agb3(-40651),Npn2(-12876)	N/A
Chr6	34743989	34744117	Chr6.30921	Agb3(-38379),Npn2(-17748)	N/A
Chr6	5956305	5956488	Chr6.3095	Dync11(+230606),Slc25a13(+260721)	N/A
Chr6	34748762	34748945	Chr6.30954	Agb3(-31578),Npn2(-21949)	N/A
Chr6	34769411	34769702	Chr6.30983	Npn2(-42652),Agb3(-10875)	N/A
Chr6	34769901	34770067	Chr6.30986	Npn2(-43079),Agb3(-10448)	N/A
Chr6	5959569	5959716	Chr6.3100	Dync11(+233852),Slc25a13(+257475)	N/A
Chr6	5959745	5959930	Chr6.3101	Dync11(+234047),Slc25a13(+257280)	N/A
Chr6	5961145	5961368	Chr6.3105	Dync11(+235466),Slc25a13(+255861)	N/A
Chr6	35024387	35024512	Chr6.31297	Slc23a4(-46451),Cnot4(+109287)	N/A
Chr6	35024743	35024888	Chr6.31301	Slc23a4(-46817),Cnot4(+108921)	N/A
Chr6	35132656	35132814	Chr6.31393	Slc23a4(-154736),Cnot4(+1002)	N/A
Chr6	35133409	35133567	Chr6.31397	Cnot4(+249)	N/A
Chr6	35133604	35133838	Chr6.31398	Cnot4(+16)	N/A
Chr6	35265751	35265862	Chr6.31563	Slc13a4(+42324),Nup205(+86377)	N/A
Chr6	35326083	35326314	Chr6.31669	Fam180a(-58)	N/A
Chr6	35349896	35350018	Chr6.31688	Fam180a(-23816),Mtpn(+189931)	N/A
Chr6	35354941	35355072	Chr6.31697	Fam180a(-28866),Mtpn(+184881)	N/A
Chr6	35379177	35379349	Chr6.31702	Fam180a(-53122),Mtpn(+160625)	N/A
Chr6	5992435	5992585	Chr6.3181	Slc25a13(+224458),Dync11(+268689)	N/A
Chr6	5992968	5993216	Chr6.3187	Slc25a13(+224026),Dync11(+267301)	N/A
Chr6	35804155	35804273	Chr6.31924	Chrm2(-583870),Mtpn(-264326)	N/A
Chr6	35853701	35853924	Chr6.31951	Chrm2(-534271),Mtpn(-313925)	N/A
Chr6	35907558	35906945	Chr6.31992	Chrm2(-481232),Mtpn(-366964)	N/A
Chr6	36079510	36079772	Chr6.32054	Mtpn(-539753),Chrm2(-306443)	N/A
Chr6	36387791	36388027	Chr6.32237	Chrm2(-175)	N/A
Chr6	36388521	36388647	Chr6.32242	Chrm2(+500)	N/A
Chr6	36605909	36606121	Chr6.32398	Ptn(+205346),Chrm2(+217931)	N/A
Chr6	36776721	36776992	Chr6.32422	Ptn(+134504),Chrm2(-288773)	N/A
Chr6	36774640	36774786	Chr6.32491	Ptn(+36848),Chrm2(+386629)	N/A
Chr6	36775952	36776177	Chr6.32496	Ptn(+35296),Chrm2(+387981)	N/A
Chr6	36777675	36778237	Chr6.32497	Ptn(+33405),Chrm2(+389872)	N/A
Chr6	36784896	36785118	Chr6.32504	Ptn(+26354),Chrm2(+396923)	N/A
Chr6	36797252	36797525	Chr6.32517	Ptn(+13972),Chrm2(+409305)	N/A
Chr6	36818414	36818555	Chr6.32538	1700111e14nik(-118553),Ptn(-7124)	N/A
Chr6	36818881	36819027	Chr6.32542	1700111e14nik(-118094),Ptn(-7583)	N/A
Chr6	36819148	36819500	Chr6.32544	1700111e14nik(-117724),Ptn(-7963)	N/A
Chr6	36819677	36819820	Chr6.32547	1700111e14nik(-117299),Ptn(-8388)	N/A
Chr6	36819854	36820076	Chr6.32550	1700111e14nik(-117083),Ptn(-8604)	N/A
Chr6	36837883	36837832	Chr6.32558	1700111e14nik(-99290),Ptn(-26397)	N/A
Chr6	36846824	36846829	Chr6.32581	1700111e14nik(-90171),Ptn(-35516)	N/A
Chr6	36847074	36847339	Chr6.32588	1700111e14nik(-89841),Ptn(-35546)	N/A

Chr6	36850652	36850780	Chr6.32596	1700111e14nk(-86332),Ptn(-39355)	N/A
Chr6	36857948	36858124	Chr6.32602	1700111e14nk(-79012),Ptn(-46675)	N/A
Chr6	36858185	36858339	Chr6.32605	1700111e14nk(-78786),Ptn(-46901)	N/A
Chr6	36881045	36881198	Chr6.32629	Ptn(-69760),1700111e14nk(-55927)	N/A
Chr6	36881363	36881463	Chr6.32632	Ptn(-70052),1700111e14nk(-55635)	N/A
Chr6	36896821	36896943	Chr6.32643	Ptn(-85521),1700111e14nk(-40166)	N/A
Chr6	36903391	36903490	Chr6.32646	Ptn(-92080),1700111e14nk(-33607)	N/A
Chr6	36903524	36903642	Chr6.32649	Ptn(-92222),1700111e14nk(-33465)	N/A
Chr6	36978161	36978335	Chr6.32663	1700111e14nk(+41200),Dgk(+321726)	N/A
Chr6	37072516	37072618	Chr6.32773	1700111e14nk(+35519),Dgk(+27407)	N/A
Chr6	37143156	37143258	Chr6.32800	Dgk(+156767),1700111e14nk(+206159)	N/A
Chr6	6020526	6020678	Chr6.3283	Slc25a13(+196516),Dync11(+294811)	N/A
Chr6	37211780	37212111	Chr6.32843	Dgk(+88028),1700111e14nk(+274898)	N/A
Chr6	37216547	37216705	Chr6.32851	Dgk(+83348),1700111e14nk(+279578)	N/A
Chr6	37277451	37277585	Chr6.32913	Dgk(+22456),1700111e14nk(+340470)	N/A
Chr6	37292890	37293104	Chr6.32939	Dgk(+6982),1700111e14nk(+355944)	N/A
Chr6	6024369	6024580	Chr6.3295	Slc25a13(+192643),Dync11(+298684)	N/A
Chr6	37415200	37415314	Chr6.33057	Dgk(-115283),Creb3(2)+26889)	N/A
Chr6	37419030	37419220	Chr6.33062	Dgk(-119151),Creb3(2)+23021)	N/A
Chr6	6028125	6028348	Chr6.3308	Slc25a13(+188881),Dync11(+302446)	N/A
Chr6	37431651	37431877	Chr6.33080	Dgk(-131700),Creb3(2)+10382)	N/A
Chr6	37442313	37442414	Chr6.33098	Creb3(2)-218)	N/A
Chr6	37589748	37589949	Chr6.33150	Trim24(-280962),Akr1d1(+59676)	N/A
Chr6	37593016	37593151	Chr6.33157	Trim24(-277272),Akr1d1(+62911)	N/A
Chr6	37593671	37593782	Chr6.33158	Trim24(-277084),Akr1d1(+63554)	N/A
Chr6	37593890	37594033	Chr6.33159	Trim24(-278849),Akr1d1(+63739)	N/A
Chr6	6038331	6038432	Chr6.3317	Slc25a13(+178736),Dync11(+312591)	N/A
Chr6	37643795	37644199	Chr6.33174	Trim24(-226814),Akr1d1(+113824)	N/A
Chr6	37645574	37645706	Chr6.33178	Trim24(-225171),Akr1d1(+115467)	N/A
Chr6	6038601	6039077	Chr6.3318	Slc25a13(+178279),Dync11(+313048)	N/A
Chr6	6039266	6039427	Chr6.3321	Slc25a13(+177771),Dync11(+313556)	N/A
Chr6	6041221	6041348	Chr6.3324	Slc25a13(+175833),Dync11(+315494)	N/A
Chr6	38123334	38123440	Chr6.33434	Atp6v0a4(-13838),D630045(2nk(+130622)	N/A
Chr6	6044072	6044225	Chr6.3354	Slc25a13(+172969),Dync11(+318358)	N/A
Chr6	38189905	38190020	Chr6.33619	Atp6v0a4(-89414),D630045(2nk(+55046)	N/A
Chr6	38206853	38207007	Chr6.33620	Atp6v0a4(-97381),D630045(2nk(+47079)	N/A
Chr6	38224462	38224582	Chr6.33633	Atp6v0a4(-114075),D630045(2nk(+29485)	N/A
Chr6	38248415	38248633	Chr6.33637	Atp6v0a4(-138975),D630045(2nk(+5485)	N/A
Chr6	38253053	38253394	Chr6.33642	D630045(2nk(+785)	N/A
Chr6	38433769	38434220	Chr6.33769	Ubn2(+45)	N/A
Chr6	6070818	6070978	Chr6.3390	Slc25a13(+146220),Dync11(+345107)	N/A
Chr6	38551332	38551484	Chr6.33903	Luc7(2)-57)	N/A
Chr6	38552005	38552186	Chr6.33910	Luc7(2)-631)	N/A
Chr6	6071029	6071167	Chr6.3392	Slc25a13(+146020),Dync11(+345307)	N/A
Chr6	38690866	38691009	Chr6.34042	Clec2(+27869),Hpk2(+185227)	N/A
Chr6	38696967	38697101	Chr6.34064	Clec2(+33965),Hpk2(+179131)	N/A
Chr6	38764438	38764625	Chr6.34182	Clec2(+101463),Hpk2(+111633)	N/A
Chr6	38874119	38874278	Chr6.34275	Hpk2(+1966),Clec2(+211130)	N/A
Chr6	38874338	38874675	Chr6.34277	Hpk2(+1658),Clec2(+211438)	N/A
Chr6	38905804	38905919	Chr6.34298	Hpk2(-29697),Tbxas1(-13118)	N/A
Chr6	6093146	6093248	Chr6.3431	Slc25a13(+123921),Dync11(+367406)	N/A
Chr6	38916010	38916131	Chr6.34312	Tbxas1(-2909)	N/A
Chr6	38970474	38970623	Chr6.34367	Tbxas1(+91569),Parp12(+147800)	N/A
Chr6	39205140	39205294	Chr6.34675	Parp12(-86868),Kdm7a(+1572)	N/A
Chr6	39205361	39205572	Chr6.34677	Parp12(-87118),Kdm7a(+1322)	N/A
Chr6	39278442	39278611	Chr6.34691	Kdm7a(-71738),Slc37a3(+99180)	N/A
Chr6	39295948	39296186	Chr6.34692	Kdm7a(-89278),Slc37a3(+81640)	N/A
Chr6	39381325	39381432	Chr6.34769	Slc37a3(-3672),Rab19(+204)	N/A
Chr6	39515714	39515889	Chr6.34933	Mkm1(-95340),Dnm2(2a)+42065)	N/A
Chr6	39528683	39528798	Chr6.34957	Mkm1(-108278),Dnm2(2a)+29126)	N/A
Chr6	6112889	6112993	Chr6.3503	Slc25a13(+104177),Dync11(+387150)	N/A
Chr6	6113343	6113542	Chr6.3508	Slc25a13(+103675),Dync11(+387652)	N/A
Chr6	39646543	39646693	Chr6.35116	Ndrb2(+54044),Braf(+78845)	N/A
Chr6	39723139	39723401	Chr6.35163	Braf(+2183),Ndrb2(+130696)	N/A
Chr6	39778112	39778227	Chr6.35170	Braf(-52707),Mps33(+32818)	N/A
Chr6	39778450	39778739	Chr6.35171	Braf(-53132),Mps33(+32393)	N/A
Chr6	39810858	39810966	Chr6.35193	Mps33(+76)	N/A
Chr6	39870348	39870457	Chr6.35208	Tmem178b(-239848),Mps33(-59415)	N/A
Chr6	39871256	39871505	Chr6.35212	Tmem178b(-238870),Mps33(-60393)	N/A
Chr6	39873020	39873216	Chr6.35221	Tmem178b(-237133),Mps33(-62130)	N/A
Chr6	40078337	40078478	Chr6.35390	Mps33(-265420),Tmem178b(-33943)	N/A
Chr6	40116416	40116577	Chr6.35444	Aqk(-208981),Tmem178b(+6246)	N/A
Chr6	6159443	6159661	Chr6.3582	Slc25a13(+57566),Dync11(+433761)	N/A
Chr6	6173958	6174173	Chr6.3601	Slc25a13(+43052),Dync11(+448275)	N/A
Chr6	6189172	6189297	Chr6.3605	Slc25a13(+27883),Dync11(+463444)	N/A
Chr6	6191869	6192378	Chr6.3610	Slc25a13(+24999),Dync11(+466328)	N/A
Chr6	6215891	6216417	Chr6.3622	Slc25a13(+964)	N/A
Chr6	6247597	6247812	Chr6.3647	Slc25a13(-30587),Sem1(+330953)	N/A
Chr6	6260809	6261182	Chr6.3670	Slc25a13(-43878),Sem1(+317662)	N/A
Chr6	6290413	6290710	Chr6.3717	Slc25a13(-73444),Sem1(+280806)	N/A
Chr6	6299520	6299698	Chr6.3730	Slc25a13(-32445),Sem1(+279059)	N/A
Chr6	6303036	6304089	Chr6.3738	Slc25a13(-86745),Sem1(+274795)	N/A
Chr6	6305089	6305936	Chr6.3749	Slc25a13(-88755),Sem1(+272785)	N/A
Chr6	41606354	41606560	Chr6.37550	Ephb6(+975)	N/A
Chr6	42286496	42286706	Chr6.38120	Cln1(-84)	N/A
Chr6	42323294	42323438	Chr6.38253	Fam131b(+1277),Cln1(+36681)	N/A
Chr6	42350575	42350708	Chr6.38262	Zyx(-584)	N/A
Chr6	42355557	42355669	Chr6.38283	Zyx(+5555),Ephat(+17655)	N/A
Chr6	42359466	42359596	Chr6.38322	Zyx(+9473),Ephat(+13737)	N/A
Chr6	6384174	6384375	Chr6.3834	Slc25a13(-167157),Sem1(+194383)	N/A
Chr6	6389157	6389370	Chr6.3843	Slc25a13(-172146),Sem1(+189394)	N/A
Chr6	42374855	42374963	Chr6.38448	Ephat(-1641)	N/A
Chr6	6415108	6415576	Chr6.3875	Slc25a13(-188224),Sem1(+163316)	N/A
Chr6	6463666	6464521	Chr6.3912	Slc25a13(-246976),Sem1(+114564)	N/A
Chr6	6464906	6465122	Chr6.3918	Slc25a13(-247896),Sem1(+113644)	N/A
Chr6	6466225	6466515	Chr6.3921	Slc25a13(-249252),Sem1(+112288)	N/A
Chr6	6467653	6467682	Chr6.3926	Slc25a13(-250690),Sem1(+110850)	N/A
Chr6	43337867	43337974	Chr6.39818	Nobox(-28559),Tpk1(+32857)	N/A
Chr6	43522102	43522317	Chr6.39779	Nobox(-212648),Tpk1(+144068)	N/A
Chr6	43537522	43537678	Chr6.39787	Nobox(-228038),Tpk1(+128678)	N/A
Chr6	44010879	44011060	Chr6.40006	Tpk1(-344692)	N/A
Chr6	6586028	6586164	Chr6.4032	Dlx6(-277238),Sem1(-7438)	N/A
Chr6	45420331	45429443	Chr6.40600	Cntnap2(+369326)	N/A
Chr6	6623046	6623183	Chr6.4066	Dlx6(-40219),Sem1(-44457)	N/A
Chr6	46137450	46137588	Chr6.40988	None	N/A
Chr6	6655495	6655701	Chr6.4107	Dlx6(-207736),Sem1(-76940)	N/A
Chr6	6658069	6658175	Chr6.4121	Dlx6(-205212),Sem1(-79464)	N/A
Chr6	6659448	6659848	Chr6.4134	Dlx6(-203686),Sem1(-80990)	N/A
Chr6	47224070	47224207	Chr6.41795	Cul1(-230181)	N/A
Chr6	47298856	47299687	Chr6.41866	Cul1(-155408)	N/A
Chr6	47252576	47252919	Chr6.41974	Ezh2(+69232),Cul1(+71478)	N/A
Chr6	47593633	47593784	Chr6.42049	Ezh2(+1321),Cul1(+139389)	N/A
Chr6	6696143	6696281	Chr6.4208	Dlx6(-167122),Sem1(-117554)	N/A
Chr6	47951924	47952052	Chr6.42294	Zfp956(-1402)	N/A
Chr6	48048805	48048945	Chr6.42383	Zfp777(-761)	N/A
Chr6	6755134	6755260	Chr6.4249	Sem1(-176539),Dlx6(-108137)	N/A
Chr6	48463105	48463237	Chr6.42741	Atp6v0e2(-74398),Sapo(+14942)	N/A
Chr6	48529379	48529550	Chr6.43215	Atp6v0e2(-8104),Sapo(+81236)	N/A
Chr6	48529719	48530003	Chr6.43224	Atp6v0e2(-7708),Sapo(+81632)	N/A
Chr6	48530118	48530279	Chr6.43237	Atp6v0e2(-7370),Sapo(+81970)	N/A
Chr6	48602025	48602128	Chr6.43330	Zfp775(-11103),Respin1(+8186)	N/A
Chr6	48627012	48627220	Chr6.43363	Gimap8(-20118),Zfp775(+13936)	N/A
Chr6	48627581	48627686	Chr6.43370	Gimap8(-19600),Zfp775(+14454)	N/A
Chr6	6801394	6801619	Chr6.4339	Sem1(-222849),Dlx6(-61827)	N/A
Chr6	6801869	6801797	Chr6.4344	Sem1(-223075),Dlx6(-61601)	N/A
Chr6	68019175	6802379	Chr6.4348	Sem1(-223519),Dlx6(-61157)	N/A
Chr6	6803342	6803578	Chr6.4354	Sem1(-224802),Dlx6(-59874)	N/A
Chr6	49086244	49086416	Chr6.43757	Malsu1(+12535),Igfbp3(+128624)	N/A
Chr6	49097091	49097441	Chr6.43775	Malsu1(+23471),Igfbp3(+117688)	N/A
Chr6	49097905	49098093	Chr6.43781	Malsu1(+24204),Igfbp3(+116955)	N/A
Chr6	49186930	49187080	Chr6.43811	Igfbp3(+27949),Malsu1(+113210)	N/A
Chr6	49208367	49208654	Chr6.43817	Igfbp3(+6443),Malsu1(+134716)	N/A
Chr6	49210644	49210795	Chr6.43829	Igfbp3(+4234),Malsu1(+136925)	N/A
Chr6	49214718	49214866	Chr6.43840	Igfbp3(+162)	N/A
Chr6	49215880	49216018	Chr6.43845	Igfbp3(-995)	N/A
Chr6	49216376	49216505	Chr6.43846	Igfbp3(-1487)	N/A
Chr6	49216971	49217112	Chr6.43849	Igfbp3(-2088)	N/A
Chr6	49218105	49218239	Chr6.43853	Igfbp3(-3218)	N/A

Ch#6	49218534	49218808	Ch#6.43856	lgf2bp3(-3717)	N/A
Ch#6	49220037	49220176	Ch#6.43869	lgf2bp3(-5153), Tra2a(+43945)	N/A
Ch#6	49220224	49220346	Ch#6.43872	lgf2bp3(-5331), Tra2a(+43767)	N/A
Ch#6	49222022	49222194	Ch#6.43874	lgf2bp3(-7154), Tra2a(+41944)	N/A
Ch#6	49263172	49263389	Ch#6.43911	Tra2a(+771)	N/A
Ch#6	49263812	49264087	Ch#6.43913	Tra2a(+102)	N/A
Ch#6	49808118	49808462	Ch#6.44266	Npy(-14420), Slk31(+412686)	N/A
Ch#6	6850247	6850501	Ch#6.44440	Sem1(-271716), Dlx6(-12960)	N/A
Ch#6	49973491	49973621	Ch#6.44415	Mpp6(-136685), Npy(+150846)	N/A
Ch#6	50037794	50037912	Ch#6.44446	Mpp6(-12388), Npy(+215143)	N/A
Ch#6	50038243	50038351	Ch#6.44491	Mpp6(-71944), Npy(+215587)	N/A
Ch#6	50110731	50110841	Ch#6.44539	Mpp6(+545)	N/A
Ch#6	6854358	6854520	Ch#6.4462	Sem1(-275781), Dlx6(-8895)	N/A
Ch#6	6855075	6855399	Ch#6.4469	Sem1(-275759), Dlx6(-8097)	N/A
Ch#6	6855787	6855927	Ch#6.4473	Sem1(-277189), Dlx6(-7487)	N/A
Ch#6	50305430	50305562	Ch#6.44734	Gsdme(-41634), Osbp3(+77341)	N/A
Ch#6	6856287	6856529	Ch#6.4476	Sem1(-277750), Dlx6(-6926)	N/A
Ch#6	50322585	50322700	Ch#6.44760	Gsdme(-58781), Osbp3(+60194)	N/A
Ch#6	6857809	6857952	Ch#6.4479	Sem1(-279223), Dlx6(-5453)	N/A
Ch#6	50358056	50358252	Ch#6.4482	Gsdme(-94292), Osbp3(+24683)	N/A
Ch#6	50363352	50363483	Ch#6.44828	Gsdme(-99566), Osbp3(+19419)	N/A
Ch#6	50381922	50382186	Ch#6.44833	Osbp3(+783)	N/A
Ch#6	6859119	6859357	Ch#6.4485	Dlx6(-4096)	N/A
Ch#6	50432625	50432738	Ch#6.44873	Osbp3(-49845), Cysa(+133856)	N/A
Ch#6	50458078	50458187	Ch#6.44880	Osbp3(-75266), Cysa(+108405)	N/A
Ch#6	6860738	6860875	Ch#6.4495	Dlx6(-2327)	N/A
Ch#6	50639707	50639832	Ch#6.44974	Npy(+14569), Gm4782(+31133)	N/A
Ch#6	6862811	6863055	Ch#6.4503	Dlx6(-401)	N/A
Ch#6	50658569	50658758	Ch#6.45042	Npy(-4225)	N/A
Ch#6	50661661	50661987	Ch#6.45044	Npy(-7385), G930045g22nk(+216255)	N/A
Ch#6	50663434	50663639	Ch#6.45055	Npy(-9089), G930045g22nk(+21542)	N/A
Ch#6	50663604	50664081	Ch#6.45057	Npy(-9054), G930045g22nk(+214136)	N/A
Ch#6	5066695	50667364	Ch#6.45071	Npy(-12691), G930045g22nk(+210949)	N/A
Ch#6	50667561	50668006	Ch#6.45077	Npy(-13345), G930045g22nk(+210295)	N/A
Ch#6	50673849	50673984	Ch#6.45086	Npy(-19478), G930045g22nk(+204162)	N/A
Ch#6	50680572	50680688	Ch#6.45101	Npy(-26191), G930045g22nk(+197449)	N/A
Ch#6	50680698	50681151	Ch#6.45103	Npy(-26616), G930045g22nk(+197024)	N/A
Ch#6	50681186	50681286	Ch#6.45108	Npy(-26797), G930045g22nk(+196843)	N/A
Ch#6	50681330	50681455	Ch#6.45110	Npy(-26954), G930045g22nk(+196686)	N/A
Ch#6	50681510	50681669	Ch#6.45113	Npy(-27151), G930045g22nk(+196489)	N/A
Ch#6	50685242	50685430	Ch#6.45119	Npy(-30897), G930045g22nk(+192743)	N/A
Ch#6	50689068	50689300	Ch#6.45123	Npy(-34745), G930045g22nk(+188895)	N/A
Ch#6	6865341	6865479	Ch#6.4514	Dlx6(+2076), Dlx5(-16675)	N/A
Ch#6	50720284	50720494	Ch#6.45169	Npy(-65950), G930045g22nk(+157690)	N/A
Ch#6	6865891	6865996	Ch#6.4517	Dlx6(+2611), Dlx5(+16140)	N/A
Ch#6	50720598	50720708	Ch#6.45174	Npy(-66214), G930045g22nk(+157246)	N/A
Ch#6	50726074	50726498	Ch#6.45187	Npy(-71847), G930045g22nk(+151793)	N/A
Ch#6	50735846	50735946	Ch#6.45207	Npy(-81647), G930045g22nk(+141993)	N/A
Ch#6	50766746	50766898	Ch#6.45244	Npy(-112383), G930045g22nk(+111257)	N/A
Ch#6	50776917	50777083	Ch#6.45270	Npy(-122561), G930045g22nk(+101079)	N/A
Ch#6	50777151	50777561	Ch#6.45275	Npy(-122917), G930045g22nk(+100723)	N/A
Ch#6	50777927	50778071	Ch#6.45287	Npy(-123560), G930045g22nk(+100080)	N/A
Ch#6	6867740	6867996	Ch#6.4529	Dlx6(+4534), Dlx5(+14217)	N/A
Ch#6	50783165	50783359	Ch#6.45295	Npy(-128823), G930045g22nk(+94817)	N/A
Ch#6	50794632	50794764	Ch#6.45311	Npy(-140259), G930045g22nk(+83381)	N/A
Ch#6	50799634	50799996	Ch#6.45319	Npy(-145377), G930045g22nk(+78263)	N/A
Ch#6	6868387	6868568	Ch#6.4532	Dlx6(+5144), Dlx5(+13607)	N/A
Ch#6	50803030	50803141	Ch#6.45327	Npy(-148647), G930045g22nk(+74993)	N/A
Ch#6	50804117	50804248	Ch#6.45329	Npy(-149744), G930045g22nk(+73896)	N/A
Ch#6	50809050	50809149	Ch#6.45338	Npy(-154651), G930045g22nk(+68979)	N/A
Ch#6	50809356	50809534	Ch#6.45344	Npy(-155006), G930045g22nk(+68634)	N/A
Ch#6	6868993	6869020	Ch#6.4535	Dlx6(+5803), Dlx5(+12948)	N/A
Ch#6	50810683	50810814	Ch#6.45350	Npy(-156310), G930045g22nk(+67330)	N/A
Ch#6	50810912	50811226	Ch#6.45351	Npy(-156630), G930045g22nk(+67010)	N/A
Ch#6	50813187	50813608	Ch#6.45355	Npy(-158959), G930045g22nk(+64681)	N/A
Ch#6	6869359	6869931	Ch#6.4536	Dlx6(+6311), Dlx5(+12440)	N/A
Ch#6	50815340	50815708	Ch#6.45363	Npy(-161085), G930045g22nk(+62555)	N/A
Ch#6	50819145	50819484	Ch#6.45366	Npy(-164878), G930045g22nk(+58764)	N/A
Ch#6	50823658	50823776	Ch#6.45392	Npy(-169278), G930045g22nk(+54362)	N/A
Ch#6	50823981	50824116	Ch#6.45396	Npy(-169610), G930045g22nk(+54030)	N/A
Ch#6	50846757	50846885	Ch#6.45419	Npy(-192387), G930045g22nk(+131253)	N/A
Ch#6	50846935	50847176	Ch#6.45421	Npy(-192617), G930045g22nk(+31023)	N/A
Ch#6	50880699	50880959	Ch#6.45473	G930045g22nk(-2750)	N/A
Ch#6	50882917	50883314	Ch#6.45478	Nfe2l3(-549554), G930045g22nk(-5037)	N/A
Ch#6	6871428	6871900	Ch#6.4548	Dlx6(+8330), Dlx5(+10421)	N/A
Ch#6	6871977	6872167	Ch#6.4551	Dlx6(+8738), Dlx5(+10013)	N/A
Ch#6	50909071	50909310	Ch#6.45513	Nfe2l3(-523478), G930045g22nk(-31112)	N/A
Ch#6	50915619	50915787	Ch#6.45531	Nfe2l3(-516967), G930045g22nk(-37624)	N/A
Ch#6	50923983	50924121	Ch#6.45537	Nfe2l3(-508618), G930045g22nk(-45973)	N/A
Ch#6	50934432	50934714	Ch#6.45548	Nfe2l3(-498097), G930045g22nk(-56494)	N/A
Ch#6	50942488	50943088	Ch#6.45554	Nfe2l3(-489682), G930045g22nk(-64709)	N/A
Ch#6	50945072	50945275	Ch#6.45560	Nfe2l3(-487496), G930045g22nk(-67095)	N/A
Ch#6	50949945	50950072	Ch#6.45562	Nfe2l3(-482661), G930045g22nk(-71930)	N/A
Ch#6	50950349	50950505	Ch#6.45566	Nfe2l3(-482243), G930045g22nk(-72348)	N/A
Ch#6	50955180	50955291	Ch#6.45572	Nfe2l3(-477434), G930045g22nk(-77157)	N/A
Ch#6	50959676	50959822	Ch#6.45598	Nfe2l3(-472921), G930045g22nk(-81670)	N/A
Ch#6	50960374	50960516	Ch#6.45599	Nfe2l3(-472259), G930045g22nk(-82366)	N/A
Ch#6	6873060	6873244	Ch#6.4560	Dlx5(+8933), Dlx6(+9818)	N/A
Ch#6	50968092	50968299	Ch#6.45601	Nfe2l3(-464474), G930045g22nk(-90117)	N/A
Ch#6	50968383	50968600	Ch#6.45608	Nfe2l3(-464178), G930045g22nk(-90413)	N/A
Ch#6	50969464	50969579	Ch#6.45613	Nfe2l3(-463148), G930045g22nk(-91443)	N/A
Ch#6	50970160	50970302	Ch#6.45615	Nfe2l3(-462439), G930045g22nk(-92152)	N/A
Ch#6	50970798	50970940	Ch#6.45621	Nfe2l3(-461801), G930045g22nk(-92790)	N/A
Ch#6	50973396	50973628	Ch#6.45627	Nfe2l3(-459158), G930045g22nk(-95433)	N/A
Ch#6	50973717	50973819	Ch#6.45633	Nfe2l3(-458902), G930045g22nk(-95689)	N/A
Ch#6	50975024	50975147	Ch#6.45635	Nfe2l3(-457584), G930045g22nk(-97007)	N/A
Ch#6	6873497	6873806	Ch#6.4564	Dlx5(+8433), Dlx6(+10218)	N/A
Ch#6	50977624	50977814	Ch#6.45640	Nfe2l3(-454951), G930045g22nk(-99640)	N/A
Ch#6	50978583	50978857	Ch#6.45645	Nfe2l3(-453950), G930045g22nk(-100641)	N/A
Ch#6	50980663	50980941	Ch#6.45651	Nfe2l3(-451868), G930045g22nk(-102723)	N/A
Ch#6	50986570	50986695	Ch#6.45680	Nfe2l3(-446037), G930045g22nk(-108554)	N/A
Ch#6	50993888	50994205	Ch#6.45698	Nfe2l3(-438623), G930045g22nk(-115968)	N/A
Ch#6	50994621	50994832	Ch#6.45705	Nfe2l3(-437943), G930045g22nk(-116648)	N/A
Ch#6	50999808	50999115	Ch#6.45714	Nfe2l3(-433643), G930045g22nk(-120948)	N/A
Ch#6	51005735	51005866	Ch#6.45739	Nfe2l3(-426869), G930045g22nk(-127722)	N/A
Ch#6	6874204	6874372	Ch#6.4574	Dlx5(+7797), Dlx6(+10954)	N/A
Ch#6	51005993	51006295	Ch#6.45742	Nfe2l3(-426526), G930045g22nk(-128065)	N/A
Ch#6	51009548	51009755	Ch#6.45752	Nfe2l3(-423018), G930045g22nk(-131573)	N/A
Ch#6	51010728	51010992	Ch#6.45764	Nfe2l3(-421810), G930045g22nk(-132781)	N/A
Ch#6	51015714	51015843	Ch#6.45768	Nfe2l3(-416891), G930045g22nk(-137700)	N/A
Ch#6	6874604	6874728	Ch#6.4577	Dlx5(+7419), Dlx6(+11332)	N/A
Ch#6	51016499	51016824	Ch#6.45771	Nfe2l3(-416008), G930045g22nk(-138583)	N/A
Ch#6	51017254	51017526	Ch#6.45780	Nfe2l3(-415280), G930045g22nk(-139311)	N/A
Ch#6	51017803	51017851	Ch#6.45783	Nfe2l3(-414943), G930045g22nk(-139648)	N/A
Ch#6	51022358	51022538	Ch#6.45799	Nfe2l3(-410222), G930045g22nk(-144369)	N/A
Ch#6	51022783	51022892	Ch#6.45807	Nfe2l3(-409832), G930045g22nk(-144759)	N/A
Ch#6	51026936	51027238	Ch#6.45811	Nfe2l3(-405583), G930045g22nk(-149008)	N/A
Ch#6	51027395	51027570	Ch#6.45814	Nfe2l3(-405187), G930045g22nk(-149404)	N/A
Ch#6	51031608	51031766	Ch#6.45819	Nfe2l3(-400983), G930045g22nk(-153608)	N/A
Ch#6	6875494	6875634	Ch#6.4582	Dlx5(+8521), Dlx6(+12230)	N/A
Ch#6	51036692	51037203	Ch#6.45825	Nfe2l3(-385723), G930045g22nk(-158869)	N/A
Ch#6	51039581	51040145	Ch#6.45829	Nfe2l3(-392807), G930045g22nk(-161784)	N/A
Ch#6	51043889	51044481	Ch#6.45832	Nfe2l3(-388485), G930045g22nk(-166106)	N/A
Ch#6	51045026	51045461	Ch#6.45839	Nfe2l3(-387426), G930045g22nk(-167165)	N/A
Ch#6	51052534	51052773	Ch#6.45863	Nfe2l3(-38016), G930045g22nk(-174575)	N/A
Ch#6	51052856	51052958	Ch#6.45857	Nfe2l3(-379763), G930045g22nk(-174828)	N/A
Ch#6	6875997	6876758	Ch#6.4586	Dlx5(+407), Dlx6(+13344)	N/A
Ch#6	51055782	51055892	Ch#6.45865	Nfe2l3(-376833), G930045g22nk(-177758)	N/A
Ch#6	51057302	51057495	Ch#6.45870	Nfe2l3(-375271), G930045g22nk(-179320)	N/A
Ch#6	51060576	51060789	Ch#6.45873	Nfe2l3(-371987), G930045g22nk(-182604)	N/A
Ch#6	51060805	51060980	Ch#6.45879	Nfe2l3(-371762), G930045g22nk(-182829)	N/A
Ch#6	51061311	51061543	Ch#6.45885	Nfe2l3(-371243), G930045g22nk(-183348)	N/A
Ch#6	51067833	51067995	Ch#6.45894	Nfe2l3(-364758), G930045g22nk(-186835)	N/A
Ch#6	51068025	51068157	Ch#6.45896	Nfe2l3(-364579), G930045g22nk(-190012)	N/A
Ch#6	51068732	51069040	Ch#6.45901	Nfe2l3(-363784), G930045g22nk(-190807)	N/A
Ch#6	51070178	51070284	Ch#6.45905	Nfe2l3(-362439), G930045g22nk(-192152)	N/A
Ch#6	51071163	51071372	Ch#6.45910	Nfe2l3(-361392), G930045g22nk(-193199)	N/A
Ch#6	6877801	6877905	Ch#6.4594	Dlx5(+4232), Dlx6(+14519)	N/A

Chr6	51084790	51084983	Chr6.45956	<i>Nfe2l3(-347783), G930045g22nk(-206808)</i>	N/A
Chr6	51086357	51086534	Chr6.45961	<i>Nfe2l3(-346224), G930045g22nk(-208367)</i>	N/A
Chr6	51088735	51088872	Chr6.45964	<i>Nfe2l3(-343866), G930045g22nk(-210725)</i>	N/A
Chr6	51089864	51089086	Chr6.45967	<i>Nfe2l3(-343645), G930045g22nk(-210946)</i>	N/A
Chr6	51099359	51099490	Chr6.45976	<i>Nfe2l3(-333241), G930045g22nk(-221350)</i>	N/A
Chr6	51099618	51099794	Chr6.45980	<i>Nfe2l3(-332964), G930045g22nk(-221627)</i>	N/A
Chr6	51103718	51103904	Chr6.45991	<i>Nfe2l3(-328859), G930045g22nk(-225732)</i>	N/A
Chr6	51104447	51104689	Chr6.45994	<i>Nfe2l3(-328102), G930045g22nk(-226489)</i>	N/A
Chr6	51110591	51110687	Chr6.46011	<i>Nfe2l3(-312941), G930045g22nk(-241650)</i>	N/A
Chr6	51120002	51120173	Chr6.46016	<i>Nfe2l3(-312583), G930045g22nk(-242008)</i>	N/A
Chr6	51120385	51120531	Chr6.46023	<i>Nfe2l3(-312212), G930045g22nk(-242379)</i>	N/A
Chr6	51124356	51124461	Chr6.46029	<i>Nfe2l3(-308261), G930045g22nk(-246330)</i>	N/A
Chr6	51140121	51140863	Chr6.46048	<i>Nfe2l3(-292178), G930045g22nk(-262413)</i>	N/A
Chr6	6880110	6880311	Chr6.4605	<i>Dlx5(+1874), Dlx6(+16877)</i>	N/A
Chr6	51145942	51146319	Chr6.46059	<i>Nfe2l3(-286539), G930045g22nk(-268052)</i>	N/A
Chr6	51148071	51148229	Chr6.46067	<i>Nfe2l3(-284520), G930045g22nk(-270071)</i>	N/A
Chr6	51148521	51148657	Chr6.46070	<i>Nfe2l3(-284081), G930045g22nk(-270510)</i>	N/A
Chr6	51150655	51150801	Chr6.46079	<i>Nfe2l3(-281942), G930045g22nk(-272649)</i>	N/A
Chr6	6880621	6880744	Chr6.4608	<i>Dlx5(+1402), Dlx6(+17349)</i>	N/A
Chr6	51156708	51157084	Chr6.46085	<i>G930045g22nk(-278816), Nfe2l3(-275775)</i>	N/A
Chr6	51158539	51158647	Chr6.46097	<i>G930045g22nk(-280514), Nfe2l3(-274077)</i>	N/A
Chr6	51162406	51162953	Chr6.46105	<i>G930045g22nk(-284601), Nfe2l3(-269990)</i>	N/A
Chr6	51163476	51163634	Chr6.46112	<i>G930045g22nk(-285476), Nfe2l3(-269115)</i>	N/A
Chr6	51167277	51167483	Chr6.46118	<i>G930045g22nk(-289301), Nfe2l3(-265290)</i>	N/A
Chr6	51170345	51170556	Chr6.46123	<i>G930045g22nk(-292373), Nfe2l3(-262219)</i>	N/A
Chr6	51170603	51170721	Chr6.46126	<i>G930045g22nk(-292553), Nfe2l3(-260286)</i>	N/A
Chr6	51170967	51171288	Chr6.46128	<i>G930045g22nk(-293049), Nfe2l3(-261542)</i>	N/A
Chr6	51173034	51173476	Chr6.46146	<i>G930045g22nk(-295176), Nfe2l3(-259415)</i>	N/A
Chr6	51174342	51174456	Chr6.46156	<i>G930045g22nk(-296320), Nfe2l3(-258271)</i>	N/A
Chr6	6882100	6882223	Chr6.4616	<i>Dlx5(-77)</i>	N/A
Chr6	51174697	51174813	Chr6.46160	<i>G930045g22nk(-296676), Nfe2l3(-257915)</i>	N/A
Chr6	51177989	51178104	Chr6.46177	<i>G930045g22nk(-299958), Nfe2l3(-254623)</i>	N/A
Chr6	51200842	51201008	Chr6.46248	<i>G930045g22nk(-322846), Nfe2l3(-231745)</i>	N/A
Chr6	51201051	51201172	Chr6.46252	<i>G930045g22nk(-323033), Nfe2l3(-231558)</i>	N/A
Chr6	51213412	51213526	Chr6.46278	<i>G930045g22nk(-335390), Nfe2l3(-219201)</i>	N/A
Chr6	51216530	51216690	Chr6.46283	<i>G930045g22nk(-338531), Nfe2l3(-216060)</i>	N/A
Chr6	51259981	51270095	Chr6.46323	<i>G930045g22nk(-391959), Nfe2l3(-162632)</i>	N/A
Chr6	51271428	51271534	Chr6.46327	<i>G930045g22nk(-393402), Nfe2l3(-161188)</i>	N/A
Chr6	51272489	51272635	Chr6.46331	<i>G930045g22nk(-394483), Nfe2l3(-160108)</i>	N/A
Chr6	51284823	51284947	Chr6.46336	<i>G930045g22nk(-406806), Nfe2l3(-147785)</i>	N/A
Chr6	51287938	51288085	Chr6.46347	<i>G930045g22nk(-409933), Nfe2l3(-144658)</i>	N/A
Chr6	6891144	6891257	Chr6.4635	<i>Sclaf3(-64603), Dlx5(-9116)</i>	N/A
Chr6	51333556	51333321	Chr6.46370	<i>G930045g22nk(-455110), Nfe2l3(-99481)</i>	N/A
Chr6	51339369	51339626	Chr6.46378	<i>G930045g22nk(-461419), Nfe2l3(-63172)</i>	N/A
Chr6	51361817	51361955	Chr6.46387	<i>G930045g22nk(-483807), Nfe2l3(-70784)</i>	N/A
Chr6	51361984	51362261	Chr6.46388	<i>G930045g22nk(-484044), Nfe2l3(-70547)</i>	N/A
Chr6	51391581	51391768	Chr6.46433	<i>G930045g22nk(-513596), Nfe2l3(-40995)</i>	N/A
Chr6	51461319	51461532	Chr6.46497	<i>Hmnpa2b1(+8456), Nfe2l3(+28759)</i>	N/A
Chr6	51468269	51468502	Chr6.46516	<i>Cbx3(-2144), Hmnpa2b1(+1508)</i>	N/A
Chr6	51469016	51469117	Chr6.46520	<i>Cbx3(-1463), Hmnpa2b1(+827)</i>	N/A
Chr6	51469597	51469797	Chr6.46526	<i>Cbx3(-833), Hmnpa2b1(+197)</i>	N/A
Chr6	51471764	51471902	Chr6.46533	<i>Hmnpa2b1(-1939), Cbx3(+1303)</i>	N/A
Chr6	51591990	51592173	Chr6.46626	<i>Snx10(+68181), Skap2(+420467)</i>	N/A
Chr6	51604678	51604981	Chr6.46643	<i>Snx10(+80529), Skap2(+407719)</i>	N/A
Chr6	51613910	51614042	Chr6.46676	<i>Snx10(+90075), Skap2(+398573)</i>	N/A
Chr6	51636099	51636459	Chr6.46722	<i>Snx10(+112378), Skap2(+376270)</i>	N/A
Chr6	51657713	51657816	Chr6.46757	<i>Snx10(+133864), Skap2(+354784)</i>	N/A
Chr6	51732491	51732733	Chr6.46876	<i>Snx10(+208711), Skap2(+279837)</i>	N/A
Chr6	51744329	51744454	Chr6.46911	<i>Snx10(+220491), Skap2(+268157)</i>	N/A
Chr6	51753873	51754004	Chr6.46939	<i>Snx10(+230068), Skap2(+268580)</i>	N/A
Chr6	51757577	51757960	Chr6.46954	<i>Snx10(+233943), Skap2(+254705)</i>	N/A
Chr6	51767475	51767825	Chr6.46966	<i>Snx10(+243749), Skap2(+244899)</i>	N/A
Chr6	51768025	51768146	Chr6.46969	<i>Snx10(+244185), Skap2(+244463)</i>	N/A
Chr6	51809277	51809621	Chr6.47037	<i>Skap2(+203100), Snx10(+285548)</i>	N/A
Chr6	51825749	51826018	Chr6.47051	<i>Skap2(+188665), Snx10(+301363)</i>	N/A
Chr6	51848165	51848275	Chr6.47125	<i>Skap2(+164329), Snx10(+324319)</i>	N/A
Chr6	51849159	51849422	Chr6.47131	<i>Skap2(+163258), Snx10(+325390)</i>	N/A
Chr6	51849813	51849882	Chr6.47137	<i>Skap2(+162651), Snx10(+325997)</i>	N/A
Chr6	51876857	51876993	Chr6.47242	<i>Skap2(+135626), Snx10(+353024)</i>	N/A
Chr6	51883483	51883666	Chr6.47272	<i>Skap2(+128974), Snx10(+359674)</i>	N/A
Chr6	51898734	51899001	Chr6.47311	<i>Skap2(+113732), Snx10(+374916)</i>	N/A
Chr6	51904364	51904468	Chr6.47315	<i>Skap2(+108133), Snx10(+380515)</i>	N/A
Chr6	51905679	51905865	Chr6.47326	<i>Skap2(+106777), Snx10(+381871)</i>	N/A
Chr6	51933222	51933366	Chr6.47363	<i>Skap2(+79255), Snx10(+409393)</i>	N/A
Chr6	52064110	52064430	Chr6.47605	<i>Skap2(-51721), Hoxa1(+94047)</i>	N/A
Chr6	52076520	52076623	Chr6.47624	<i>Skap2(-64023), Hoxa1(+81745)</i>	N/A
Chr6	52079186	52079440	Chr6.47633	<i>Skap2(-66764), Hoxa1(+79004)</i>	N/A
Chr6	52079612	52079855	Chr6.47637	<i>Skap2(-67185), Hoxa1(+78583)</i>	N/A
Chr6	52094148	52094249	Chr6.47667	<i>Skap2(-81650), Hoxa1(+64118)</i>	N/A
Chr6	52158378	52158485	Chr6.47824	<i>Hoxa1(-115)</i>	N/A
Chr6	52159648	52159765	Chr6.47830	<i>Hoxa1(-1390)</i>	N/A
Chr6	52161017	52161255	Chr6.47836	<i>Hoxa1(-2819)</i>	N/A
Chr6	52162140	52162268	Chr6.47843	<i>Hoxa1(-3887)</i>	N/A
Chr6	52162360	52162693	Chr6.47845	<i>Hoxa1(-4210)</i>	N/A
Chr6	52163858	52164041	Chr6.47854	<i>Hoxa1(-5633), Hoxa2(+1463)</i>	N/A
Chr6	52164799	52165043	Chr6.47858	<i>Hoxa2(-492)</i>	N/A
Chr6	52165146	52165350	Chr6.47862	<i>Hoxa2(-165)</i>	N/A
Chr6	52165706	52165886	Chr6.47864	<i>Hoxa2(-383)</i>	N/A
Chr6	52165920	52166044	Chr6.47868	<i>Hoxa2(-569)</i>	N/A
Chr6	52166496	52166596	Chr6.47871	<i>Hoxa2(-1133)</i>	N/A
Chr6	52166703	52166969	Chr6.47872	<i>Hoxa2(-1423)</i>	N/A
Chr6	52167024	52167286	Chr6.47876	<i>Hoxa2(-1742)</i>	N/A
Chr6	52168224	52168417	Chr6.47887	<i>Hoxa2(-2908)</i>	N/A
Chr6	52169353	52169527	Chr6.47894	<i>Hoxa2(-4027)</i>	N/A
Chr6	52169579	52169682	Chr6.47895	<i>Hoxa2(-4218)</i>	N/A
Chr6	52171612	52171716	Chr6.47912	<i>Hoxa2(-6251), 5730596b20nk(-5834)</i>	N/A
Chr6	52174623	52174931	Chr6.47932	<i>5730596b20nk(-2721)</i>	N/A
Chr6	52175542	52175648	Chr6.47942	<i>5730596b20nk(-1903)</i>	N/A
Chr6	52176153	52176274	Chr6.47948	<i>5730596b20nk(-1294)</i>	N/A
Chr6	52176921	52177329	Chr6.47950	<i>5730596b20nk(-373)</i>	N/A
Chr6	52178369	52178600	Chr6.47959	<i>5730596b20nk(+987)</i>	N/A
Chr6	52179755	52179882	Chr6.47969	<i>5730596b20nk(+2321), Hoxa4(+11934)</i>	N/A
Chr6	52180038	52180231	Chr6.47971	<i>5730596b20nk(+2637), Hoxa4(+11618)</i>	N/A
Chr6	52180744	52180884	Chr6.47977	<i>5730596b20nk(+3316), Hoxa4(+10939)</i>	N/A
Chr6	52190772	52191049	Chr6.48035	<i>Hoxa4(+942)</i>	N/A
Chr6	52211419	52211527	Chr6.48157	<i>Hoxa6(-2751)</i>	N/A
Chr6	52213071	52213242	Chr6.48165	<i>Hoxa6(-4435), Hoxa3(-90)</i>	N/A
Chr6	52213325	52213548	Chr6.48168	<i>Hoxa6(-4715), Hoxa3(-370)</i>	N/A
Chr6	52221704	52221820	Chr6.48203	<i>Hoxa7(-4257)</i>	N/A
Chr6	52226577	52226831	Chr6.48243	<i>Hoxa9(-666)</i>	N/A
Chr6	52240658	52240924	Chr6.48302	<i>Hoxa10(-5852), Hoxa11(+5423)</i>	N/A
Chr6	52379780	52379947	Chr6.48607	<i>Evx1(+66366), Hlbadh(+260525)</i>	N/A
Chr6	7473351	7473631	Chr6.4861	<i>Tac1(-81580), Sdha3(+517487)</i>	N/A
Chr6	7473708	7473800	Chr6.4863	<i>Tac1(-81312), Sdha3(+517755)</i>	N/A
Chr6	52419441	52418572	Chr6.48651	<i>Evx1(+105020), Hlbadh(+22182)</i>	N/A
Chr6	52428284	52428512	Chr6.48667	<i>Evx1(+114900), Hlbadh(+211991)</i>	N/A
Chr6	52443308	52443586	Chr6.48695	<i>Evx1(+129949), Hlbadh(+196942)</i>	N/A
Chr6	7479766	7479939	Chr6.4871	<i>Tac1(-75218), Sdha3(+523849)</i>	N/A
Chr6	52476728	52476890	Chr6.48746	<i>Evx1(+163311), Hlbadh(+163580)</i>	N/A
Chr6	52507395	52507601	Chr6.48803	<i>Hlbadh(+132891), Evx1(+19400)</i>	N/A
Chr6	52594913	52594917	Chr6.48858	<i>Hlbadh(+5524), Evx1(+17367)</i>	N/A
Chr6	52593782	52593891	Chr6.48868	<i>Hlbadh(+46552), Evx1(+280339)</i>	N/A
Chr6	52603785	52603884	Chr6.48893	<i>Hlbadh(+36554), Evx1(+290337)</i>	N/A
Chr6	7554828	7555037	Chr6.4900	<i>Tac1(-138)</i>	N/A
Chr6	52621940	52622057	Chr6.49013	<i>Hlbadh(+18390), Evx1(+308501)</i>	N/A
Chr6	52622237	52622386	Chr6.49015	<i>Hlbadh(+18077), Evx1(+308814)</i>	N/A
Chr6	52794951	52795104	Chr6.49179	<i>Tax1bp1(+81299), Jazf1(+273603)</i>	N/A
Chr6	52795140	52795257	Chr6.49183	<i>Tax1bp1(+81470), Jazf1(+273432)</i>	N/A
Chr6	52795294	52795435	Chr6.49186	<i>Tax1bp1(+81636), Jazf1(+273266)</i>	N/A
Chr6	52795492	52795679	Chr6.49190	<i>Tax1bp1(+81857), Jazf1(+273045)</i>	N/A
Chr6	52797445	52797604	Chr6.49194	<i>Tax1bp1(+83796), Jazf1(+271108)</i>	N/A
Chr6	52802477	52802598	Chr6.49201	<i>Tax1bp1(+86809), Jazf1(+266932)</i>	N/A
Chr6	52837726	52837832	Chr6.49205	<i>Tax1bp1(+124050), Jazf1(+230852)</i>	N/A
Chr6	52838316	52838453	Chr6.49262	<i>Tax1bp1(+124556), Jazf1(+230246)</i>	N/A
Chr6	52838641	52838870	Chr6.49264	<i>Tax1bp1(+125027), Jazf1(+229875)</i>	N/A
Chr6	52840706	52840867	Chr6.49272	<i>Tax1bp1(+127058), Jazf1(+227844)</i>	N/A
Chr6	52845749	52846115	Chr6.49289	<i>Tax1bp1(+132203), Jazf1(+222699)</i>	N/A
Chr6	52852469	52852907	Chr6.49300	<i>Tax1bp1(+138595), Jazf1(+215943)</i>	N/A

Ch#6	52860894	52861080	Ch#6.49320	Tax1bp(+147258),Jazf1(+207644)	N/A
Ch#6	52861937	52862259	Ch#6.49333	Tax1bp(+146369),Jazf1(+206533)	N/A
Ch#6	52864181	52864311	Ch#6.49340	Tax1bp(+150517),Jazf1(+204389)	N/A
Ch#6	52865045	52865262	Ch#6.49350	Tax1bp(+155425),Jazf1(+199477)	N/A
Ch#6	52869336	52869436	Ch#6.49352	Tax1bp(+155657),Jazf1(+199245)	N/A
Ch#6	52877238	52877395	Ch#6.49384	Tax1bp(+163588),Jazf1(+191314)	N/A
Ch#6	52877559	52877676	Ch#6.49389	Tax1bp(+163889),Jazf1(+191013)	N/A
Ch#6	52887813	52888062	Ch#6.49404	Tax1bp(+174209),Jazf1(+180693)	N/A
Ch#6	52893722	52893875	Ch#6.49419	Jazf1(+174832),Tax1bp(+180070)	N/A
Ch#6	52894410	52894610	Ch#6.49424	Jazf1(+174121),Tax1bp(+180781)	N/A
Ch#6	52894841	52894945	Ch#6.49427	Jazf1(+173738),Tax1bp(+181164)	N/A
Ch#6	52913329	52913457	Ch#6.49472	Jazf1(+155238),Tax1bp(+199664)	N/A
Ch#6	52925638	52925826	Ch#6.49491	Jazf1(+142899),Tax1bp(+212003)	N/A
Ch#6	52952101	52952346	Ch#6.49525	Jazf1(+116406),Tax1bp(+238496)	N/A
Ch#6	52963916	52964032	Ch#6.49548	Jazf1(+104657),Tax1bp(+250249)	N/A
Ch#6	52964065	52964180	Ch#6.49551	Jazf1(+104508),Tax1bp(+250394)	N/A
Ch#6	52967642	52968051	Ch#6.49558	Jazf1(+100784),Tax1bp(+254118)	N/A
Ch#6	52968367	52968472	Ch#6.49560	Jazf1(+100211),Tax1bp(+254691)	N/A
Ch#6	52968590	52968783	Ch#6.49566	Jazf1(+99954),Tax1bp(+254948)	N/A
Ch#6	52968793	52969022	Ch#6.49571	Jazf1(+99723),Tax1bp(+255179)	N/A
Ch#6	53017450	53017609	Ch#6.49621	Jazf1(+51101),Tax1bp(+303801)	N/A
Ch#6	53020062	53020675	Ch#6.49628	Jazf1(+48262),Tax1bp(+306640)	N/A
Ch#6	53026881	53026990	Ch#6.49647	Jazf1(+41695),Tax1bp(+313207)	N/A
Ch#6	53028821	53028940	Ch#6.49649	Jazf1(+39750),Tax1bp(+315152)	N/A
Ch#6	53030774	53030900	Ch#6.49653	Jazf1(+37789),Tax1bp(+317113)	N/A
Ch#6	53040284	53040431	Ch#6.49658	Jazf1(+28273),Tax1bp(+326629)	N/A
Ch#6	53067542	53067675	Ch#6.49692	Jazf1(+1022),Tax1bp(+353880)	N/A
Ch#6	53068776	53068884	Ch#6.49695	Jazf1(+199)	N/A
Ch#6	53068959	53069075	Ch#6.49699	Jazf1(+386)	N/A
Ch#6	53070089	53070286	Ch#6.49705	Jazf1(+1547)	N/A
Ch#6	53117953	53118026	Ch#6.49720	Creb5(+455378),Jazf1(+49375)	N/A
Ch#6	53144315	53144424	Ch#6.49742	Creb5(+429014),Jazf1(+75729)	N/A
Ch#6	53157241	53157587	Ch#6.49754	Creb5(+415970),Jazf1(+88783)	N/A
Ch#6	53164072	53164312	Ch#6.49767	Creb5(+409192),Jazf1(+95561)	N/A
Ch#6	53164743	53164887	Ch#6.49773	Creb5(+408569),Jazf1(+96184)	N/A
Ch#6	53201537	53201768	Ch#6.49798	Creb5(+371733),Jazf1(+133020)	N/A
Ch#6	53201970	53202071	Ch#6.49805	Creb5(+371363),Jazf1(+133395)	N/A
Ch#6	53211653	53211753	Ch#6.49830	Creb5(+361681),Jazf1(+143072)	N/A
Ch#6	53211851	53211974	Ch#6.49832	Creb5(+361471),Jazf1(+143282)	N/A
Ch#6	53212256	53212499	Ch#6.49838	Creb5(+361006),Jazf1(+143747)	N/A
Ch#6	53218657	53218871	Ch#6.49845	Creb5(+354620),Jazf1(+150133)	N/A
Ch#6	53218971	53219175	Ch#6.49847	Creb5(+354311),Jazf1(+150442)	N/A
Ch#6	53220732	53221182	Ch#6.49850	Creb5(+362427),Jazf1(+150328)	N/A
Ch#6	53267445	53267932	Ch#6.49912	Creb5(+305695),Jazf1(+199058)	N/A
Ch#6	53268312	53268511	Ch#6.49918	Creb5(+304972),Jazf1(+199781)	N/A
Ch#6	53271212	53271539	Ch#6.49921	Creb5(+302008),Jazf1(+202745)	N/A
Ch#6	53271696	53272115	Ch#6.49925	Creb5(+301478),Jazf1(+203278)	N/A
Ch#6	53280998	53281701	Ch#6.49948	Creb5(+286334),Jazf1(+218418)	N/A
Ch#6	53287228	53287618	Ch#6.49951	Creb5(+285961),Jazf1(+218792)	N/A
Ch#6	53287690	53287891	Ch#6.49956	Creb5(+285593),Jazf1(+219160)	N/A
Ch#6	53288561	53288783	Ch#6.49960	Creb5(+284712),Jazf1(+220041)	N/A
Ch#6	53290391	53290553	Ch#6.49979	Creb5(+282912),Jazf1(+221841)	N/A
Ch#6	53290719	53290828	Ch#6.49982	Creb5(+282610),Jazf1(+222143)	N/A
Ch#6	53300898	53307034	Ch#6.50016	Creb5(+26418),Jazf1(+238335)	N/A
Ch#6	7846064	7846166	Ch#6.5002	Ctgal1(+1273),Gm9825(+137315)	N/A
Ch#6	53310841	53311038	Ch#6.50029	Creb5(+262444),Jazf1(+242309)	N/A
Ch#6	53314281	53314663	Ch#6.50043	Creb5(+258912),Jazf1(+245841)	N/A
Ch#6	53315792	53315913	Ch#6.50051	Creb5(+257573),Jazf1(+247222)	N/A
Ch#6	53319957	53320068	Ch#6.50056	Creb5(+253371),Jazf1(+251382)	N/A
Ch#6	53335399	53336723	Ch#6.50094	Jazf1(+295225),Creb5(+209728)	N/A
Ch#6	53364138	53364323	Ch#6.50099	Jazf1(+295800),Creb5(+209153)	N/A
Ch#6	53365696	53365869	Ch#6.50100	Jazf1(+297152),Creb5(+207601)	N/A
Ch#6	53389808	53389942	Ch#6.50133	Jazf1(+321244),Creb5(+183509)	N/A
Ch#6	53393996	53394069	Ch#6.50136	Jazf1(+325523),Creb5(+179501)	N/A
Ch#6	53394272	53394455	Ch#6.50145	Jazf1(+325733),Creb5(+179602)	N/A
Ch#6	53395417	53395580	Ch#6.50156	Jazf1(+326868),Creb5(+177885)	N/A
Ch#6	53395619	53395795	Ch#6.50159	Jazf1(+327076),Creb5(+177677)	N/A
Ch#6	53398703	53398993	Ch#6.50166	Jazf1(+330271),Creb5(+174536)	N/A
Ch#6	53412265	53412420	Ch#6.50197	Jazf1(+343712),Creb5(+161041)	N/A
Ch#6	53429292	53429718	Ch#6.50231	Jazf1(+360875),Creb5(+142878)	N/A
Ch#6	53431874	53432163	Ch#6.50239	Jazf1(+363388),Creb5(+141365)	N/A
Ch#6	53435169	53435298	Ch#6.50246	Jazf1(+365680),Creb5(+138150)	N/A
Ch#6	53448999	53449132	Ch#6.50290	Jazf1(+380435),Creb5(+124318)	N/A
Ch#6	53449352	53449514	Ch#6.50292	Jazf1(+380802),Creb5(+123951)	N/A
Ch#6	53449811	53450053	Ch#6.50300	Jazf1(+381301),Creb5(+123452)	N/A
Ch#6	53450549	53450781	Ch#6.50304	Jazf1(+380240),Creb5(+122728)	N/A
Ch#6	53450790	53450936	Ch#6.50306	Jazf1(+382232),Creb5(+122521)	N/A
Ch#6	53452207	53452596	Ch#6.50308	Jazf1(+383771),Creb5(+120982)	N/A
Ch#6	53461648	53461828	Ch#6.50326	Jazf1(+393107),Creb5(+111646)	N/A
Ch#6	53462848	53463006	Ch#6.50330	Jazf1(+394296),Creb5(+110457)	N/A
Ch#6	53472840	53473037	Ch#6.50350	Jazf1(+404308),Creb5(+109445)	N/A
Ch#6	53494021	53494187	Ch#6.50375	Jazf1(+425463),Creb5(+79290)	N/A
Ch#6	53496734	53497106	Ch#6.50378	Jazf1(+428289),Creb5(+76464)	N/A
Ch#6	53497990	53498109	Ch#6.50383	Jazf1(+429419),Creb5(+75334)	N/A
Ch#6	53517451	53517643	Ch#6.50429	Jazf1(+448916),Creb5(+55837)	N/A
Ch#6	53530511	53530797	Ch#6.50446	Jazf1(+462023),Creb5(+42730)	N/A
Ch#6	53540590	53540713	Ch#6.50486	Jazf1(+472021),Creb5(+32732)	N/A
Ch#6	53545568	53545835	Ch#6.50473	Jazf1(+477071),Creb5(+27682)	N/A
Ch#6	53546160	53546325	Ch#6.50479	Jazf1(+477812),Creb5(+27141)	N/A
Ch#6	53549028	53549237	Ch#6.50484	Jazf1(+480502),Creb5(+24251)	N/A
Ch#6	53549586	53549765	Ch#6.50489	Jazf1(+481045),Creb5(+23708)	N/A
Ch#6	53560592	53560762	Ch#6.50509	Jazf1(+482046),Creb5(+12707)	N/A
Ch#6	53564893	53564798	Ch#6.50515	Jazf1(+486115),Creb5(+8638)	N/A
Ch#6	53566905	53567133	Ch#6.50520	Jazf1(+488388),Creb5(+6365)	N/A
Ch#6	53569497	53569750	Ch#6.50530	Creb5(+3760)	N/A
Ch#6	53570753	53571007	Ch#6.50543	Creb5(+2504)	N/A
Ch#6	53573280	53573444	Ch#6.50552	Creb5(+20)	N/A
Ch#6	53573858	53574047	Ch#6.50553	Creb5(+569)	N/A
Ch#6	53583239	53583412	Ch#6.50580	Gm16499(+23649),Creb5(+9942)	N/A
Ch#6	53585594	53585768	Ch#6.50593	Gm16499(+234294),Creb5(+12297)	N/A
Ch#6	53589990	53590278	Ch#6.50605	Gm16499(+229841),Creb5(+16750)	N/A
Ch#6	53593877	53594006	Ch#6.50612	Gm16499(+226033),Creb5(+20558)	N/A
Ch#6	53604217	53604366	Ch#6.50644	Gm16499(+215683),Creb5(+30968)	N/A
Ch#6	53611629	53611802	Ch#6.50654	Gm16499(+208259),Creb5(+38332)	N/A
Ch#6	53612725	53612925	Ch#6.50663	Gm16499(+207150),Creb5(+39441)	N/A
Ch#6	53615679	53616036	Ch#6.50665	Gm16499(+204117),Creb5(+42474)	N/A
Ch#6	53618172	53618357	Ch#6.50673	Gm16499(+201710),Creb5(+44881)	N/A
Ch#6	53618551	53618680	Ch#6.50678	Gm16499(+201369),Creb5(+45222)	N/A
Ch#6	53624941	53625095	Ch#6.50689	Gm16499(+194607),Creb5(+51634)	N/A
Ch#6	53633773	536337878	Ch#6.50724	Gm16499(+182199),Creb5(+64392)	N/A
Ch#6	53641451	53641865	Ch#6.50737	Gm16499(+178317),Creb5(+68274)	N/A
Ch#6	53642099	53642331	Ch#6.50745	Gm16499(+177760),Creb5(+68831)	N/A
Ch#6	53642519	53642931	Ch#6.50751	Gm16499(+177250),Creb5(+69341)	N/A
Ch#6	53654368	53654888	Ch#6.50787	Gm16499(+165347),Creb5(+81244)	N/A
Ch#6	53663382	53663874	Ch#6.50820	Gm16499(+158247),Creb5(+90344)	N/A
Ch#6	53664882	53665022	Ch#6.50833	Gm16499(+155023),Creb5(+91568)	N/A
Ch#6	53688333	53688593	Ch#6.50897	Gm16499(+131512),Creb5(+115079)	N/A
Ch#6	53689583	53689683	Ch#6.50903	Gm16499(+130342),Creb5(+116249)	N/A
Ch#6	53694863	53695054	Ch#6.50929	Gm16499(+125018),Creb5(+121575)	N/A
Ch#6	53695123	53695273	Ch#6.50931	Gm16499(+124777),Creb5(+121814)	N/A
Ch#6	53698369	53698487	Ch#6.50953	Gm16499(+121547),Creb5(+125044)	N/A
Ch#6	53698559	53698686	Ch#6.50956	Gm16499(+121352),Creb5(+125239)	N/A
Ch#6	53698739	53698961	Ch#6.50959	Gm16499(+121125),Creb5(+125466)	N/A
Ch#6	53715198	53715400	Ch#6.50994	Gm16499(+104676),Creb5(+141915)	N/A
Ch#6	53720752	53720926	Ch#6.51011	Gm16499(+99136),Creb5(+147455)	N/A
Ch#6	53760066	53760945	Ch#6.51080	Gm16499(+89199),Creb5(+187392)	N/A
Ch#6	53761037	53761144	Ch#6.51089	Gm16499(+58884),Creb5(+187707)	N/A
Ch#6	53766076	53766231	Ch#6.51079	Gm16499(+53821),Creb5(+192770)	N/A
Ch#6	53778682	53778892	Ch#6.51082	Gm16499(+41188),Creb5(+205403)	N/A
Ch#6	53815835	53815953	Ch#6.51112	Gm16499(+4081)	N/A
Ch#6	53820889	53821061	Ch#6.51171	Trl(+150)	N/A
Ch#6	53857868	53858084	Ch#6.51206	Trl(+37151),Cpvl(+120686)	N/A
Ch#6	53890628	53890825	Ch#6.51253	Trl(+69902),Cpvl(+87935)	N/A
Ch#6	8069121	8069261	Ch#6.5126	Gm9825(+85761),Col28a1(+123426)	N/A
Ch#6	53897939	53898100	Ch#6.51264	Trl(+77195),Cpvl(+80642)	N/A
Ch#6	53898208	53898311	Ch#6.51269	Trl(+77435),Cpvl(+80402)	N/A
Ch#6	53940399	53940484	Ch#6.51333	Trl(+118573),Cpvl(+38265)	N/A
Ch#6	53941388	53941531	Ch#6.51337	Trl(+120635),Cpvl(+37202)	N/A

Chr6	53942359	53942532	Chr6.51344	Tril(-121621),Cpvl(+36216)	N/A
Chr6	53944017	53944202	Chr6.51345	Tril(-123285),Cpvl(+34552)	N/A
Chr6	53948795	53948911	Chr6.51356	Tril(-126028),Cpvl(+29609)	N/A
Chr6	53950890	53951136	Chr6.51359	Tril(-130183),Cpvl(+27554)	N/A
Chr6	53954223	53954323	Chr6.51372	Tril(-133448),Cpvl(+24389)	N/A
Chr6	53964141	53964339	Chr6.51389	Tril(-143415),Cpvl(+14422)	N/A
Chr6	54034620	54034738	Chr6.51464	Chn2(-4894)	N/A
Chr6	54034883	54035099	Chr6.51465	Chn2(-4582)	N/A
Chr6	54062751	54062861	Chr6.51539	Prr15(-264206),Chn2(+23233)	N/A
Chr6	54067660	54067772	Chr6.51544	Prr15(-269296),Chn2(+28143)	N/A
Chr6	54119849	54120232	Chr6.51622	Prr15(-206971),Chn2(+80468)	N/A
Chr6	54142384	54142488	Chr6.51657	Prr15(-184576),Chn2(+102863)	N/A
Chr6	54149252	54149395	Chr6.51666	Prr15(-177688),Chn2(+109751)	N/A
Chr6	54162455	54162572	Chr6.51706	Prr15(-164498),Chn2(+122094)	N/A
Chr6	54173074	54173252	Chr6.51721	Prr15(-153849),Chn2(+133999)	N/A
Chr6	5419075	5419210	Chr6.5177	Gm9825(-165713),Ca208a1(-43474)	N/A
Chr6	54222910	54223049	Chr6.51791	Prr15(-104032),Chn2(+183407)	N/A
Chr6	54272365	54272512	Chr6.51820	Prr15(-54573),Chn2(+232866)	N/A
Chr6	54279086	54279360	Chr6.51843	Prr15(-47789),Chn2(+239650)	N/A
Chr6	54364590	54364709	Chr6.51936	Wlp3(-54953),Prr15(+37638)	N/A
Chr6	54384641	54385680	Chr6.51939	Wlp3(-43082),Prr15(+59029)	N/A
Chr6	54399715	54399951	Chr6.51941	Wlp3(-29770),Prr15(+72821)	N/A
Chr6	54432909	54433040	Chr6.51972	Wlp3(+3372),Scn1(+133514)	N/A
Chr6	54540278	54540437	Chr6.52080	Scn1(+26131),Wlp3(+110755)	N/A
Chr6	54554496	54554627	Chr6.52096	Scn1(+11927),Wlp3(+124959)	N/A
Chr6	54558846	54558749	Chr6.52102	Scn1(+7791),Wlp3(+129095)	N/A
Chr6	54569956	54570123	Chr6.52110	Scn1(-3551)	N/A
Chr6	54689195	54689355	Chr6.52211	Znrf2(-127641),Mtnr(+7503)	N/A
Chr6	54699183	54699600	Chr6.52218	Znrf2(-117524),Mtnr(+17620)	N/A
Chr6	54699864	54699983	Chr6.52223	Znrf2(-116992),Mtnr(+18152)	N/A
Chr6	54760312	54760444	Chr6.52264	Znrf2(-56538),Mtnr(+78605)	N/A
Chr6	55082497	55082609	Chr6.52307	Gars(+4546),Chn2(+50465)	N/A
Chr6	55235639	55235802	Chr6.52730	Aqp1(-100711),Mindy4(+32338)	N/A
Chr6	55240757	55240873	Chr6.52735	Aqp1(-95617),Mindy4(+37432)	N/A
Chr6	55272977	55273086	Chr6.52790	Aqp1(-63400),Mindy4(+69649)	N/A
Chr6	55281083	55281210	Chr6.52806	Aqp1(-55285),Mindy4(+77764)	N/A
Chr6	55294653	55294878	Chr6.52822	Aqp1(+1466),Mindy4(+91353)	N/A
Chr6	55294920	55295038	Chr6.52830	Aqp1(-41453),Mindy4(+91596)	N/A
Chr6	55306513	55306632	Chr6.52849	Aqp1(-29859),Mindy4(+103190)	N/A
Chr6	55310442	55310588	Chr6.52858	Aqp1(-25917),Mindy4(+107132)	N/A
Chr6	55312128	55312261	Chr6.52865	Aqp1(-24237),Mindy4(+108812)	N/A
Chr6	55313136	55313311	Chr6.52874	Aqp1(-23208),Mindy4(+109641)	N/A
Chr6	55319698	55319658	Chr6.52883	Aqp1(-16604),Mindy4(+116445)	N/A
Chr6	55336115	55336217	Chr6.52904	Aqp1(-266)	N/A
Chr6	55339096	55339234	Chr6.52933	Ghrhr(-37130),Aqp1(+2733)	N/A
Chr6	55357748	55357855	Chr6.52984	Ghrhr(-18493),Aqp1(+21370)	N/A
Chr6	55434425	55434569	Chr6.53070	Adcyap1r1(-17481),Ghrhr(+58202)	N/A
Chr6	55444657	55444781	Chr6.53084	Adcyap1r1(-7259),Ghrhr(+68424)	N/A
Chr6	55447548	55447649	Chr6.53089	Adcyap1r1(-4379)	N/A
Chr6	55454663	55454791	Chr6.53099	Adcyap1r1(+2749),Neurod6(+226536)	N/A
Chr6	55580117	55580314	Chr6.53268	Neurod6(+101047),Adcyap1r1(+128238)	N/A
Chr6	55617659	55617760	Chr6.53278	Neurod6(+63553),Adcyap1r1(+165732)	N/A
Chr6	55618095	55618288	Chr6.53283	Neurod6(+53071),Adcyap1r1(+166214)	N/A
Chr6	55649611	55649784	Chr6.53307	Neurod6(+5465),Adcyap1r1(+153912)	N/A
Chr6	55650091	55650264	Chr6.53322	Neurod6(+31085),Adcyap1r1(+198200)	N/A
Chr6	55653151	55653257	Chr6.53328	Neurod6(+28059),Adcyap1r1(+201226)	N/A
Chr6	8275174	8275325	Chr6.5345	Glc1(-234350),Umad1(+15822)	N/A
Chr6	55792391	55792594	Chr6.53476	Neurod6(-111230),Itpid1(-44402)	N/A
Chr6	55792654	55792620	Chr6.53481	Neurod6(-111524),Itpid1(-44108)	N/A
Chr6	55873743	55874005	Chr6.53558	Ppp1r1(+143640),Itpid1(+36960)	N/A
Chr6	8285598	8285739	Chr6.5359	Glc1(-223931),Umad1(+26241)	N/A
Chr6	56022567	56022686	Chr6.53691	Ppp1r1(+5112),Pde1c(+339765)	N/A
Chr6	8293936	8294560	Chr6.5373	Glc1(-215352),Umad1(+34820)	N/A
Chr6	56361737	56361854	Chr6.53948	Pde1c(+396)	N/A
Chr6	56555554	56555673	Chr6.54066	Pde1c(-19322),Lsm5(+149078)	N/A
Chr6	56901840	56902031	Chr6.54331	INSc3(+21966),Fkbp9(+69877)	N/A
Chr6	8352584	8353154	Chr6.5444	Glc1(-156731),Umad1(+93441)	N/A
Chr6	8353552	8353730	Chr6.5447	Glc1(-155959),Umad1(+94213)	N/A
Chr6	8412849	8413011	Chr6.5482	Glc1(-196870),Umad1(+153052)	N/A
Chr6	58965527	58965662	Chr6.54857	Nap15(-58469),Fam13a(+38554)	N/A
Chr6	8413252	8413428	Chr6.5486	Glc1(-196250),Umad1(+153912)	N/A
Chr6	58965714	58965882	Chr6.54862	Nap15(-58672),Fam13a(+38751)	N/A
Chr6	59040009	59040137	Chr6.54926	Tigd2(-168797),Fam13a(+15524)	N/A
Chr6	8421071	8421216	Chr6.5502	Glc1(-188456),Umad1(+161716)	N/A
Chr6	59412522	59412639	Chr6.55087	Gprn3(+13709),Tigd2(+203711)	N/A
Chr6	8422369	8422615	Chr6.5511	Glc1(-187106),Umad1(+163064)	N/A
Chr6	8435310	8435415	Chr6.5541	Glc1(-174237),Umad1(+175935)	N/A
Chr6	61216033	61216135	Chr6.55557	Cserr1(+35760)	N/A
Chr6	61230495	61230621	Chr6.55569	Cserr1(+50234)	N/A
Chr6	8447008	8447172	Chr6.5563	Glc1(-162510),Umad1(+187662)	N/A
Chr6	62620680	62620634	Chr6.56110	Gnd2(-635276)	N/A
Chr6	62920281	62920480	Chr6.56169	Gnd2(-3356)	N/A
Chr6	8486766	8487048	Chr6.5620	Glc1(-122693),Umad1(+227479)	N/A
Chr6	63255882	63256129	Chr6.56235	Gnd2(-21)	N/A
Chr6	63256450	63256641	Chr6.56240	Gnd2(+519)	N/A
Chr6	8510258	8510518	Chr6.5647	Glc1(-1788)	N/A
Chr6	8511066	8511175	Chr6.5654	Glc1(-11521),Icat1(+267363)	N/A
Chr6	8511480	8511821	Chr6.5655	Glc1(+2051),Icat1(+266833)	N/A
Chr6	8511927	8512302	Chr6.5660	Glc1(+2515),Icat1(+266369)	N/A
Chr6	8512493	8512695	Chr6.5666	Glc1(+2994),Icat1(+265890)	N/A
Chr6	64450690	64450815	Chr6.57035	Atoh1(-278393)	N/A
Chr6	64888538	64888657	Chr6.57271	Atoh1(-40548)	N/A
Chr6	64734511	64734654	Chr6.57337	Smarcd1(-308094),Atoh1(+5437)	N/A
Chr6	64734750	64734873	Chr6.57338	Smarcd1(-307855),Atoh1(+5666)	N/A
Chr6	64799396	64799821	Chr6.57367	Smarcd1(-243058),Atoh1(+70463)	N/A
Chr6	65042789	65042991	Chr6.57517	Smarcd1(+223)	N/A
Chr6	65075221	65075877	Chr6.57537	Smarcd1(+32882),Hpgds(+69359)	N/A
Chr6	65537784	65537932	Chr6.57678	Trnp3(-62540),Orpnl(+156554)	N/A
Chr6	65543047	65543170	Chr6.57686	Trnp3(-47289),Orpnl(+161815)	N/A
Chr6	65673410	65673628	Chr6.57796	Prdm5(-105469),Ndrn(+1929)	N/A
Chr6	65673727	65673920	Chr6.57790	Prdm5(-105164),Ndrn(+2234)	N/A
Chr6	65858990	65859101	Chr6.57965	4930544g1Trk(-93525),Prdm5(+80058)	N/A
Chr6	65871948	65872129	Chr6.57987	4930544g1Trk(-80532),Prdm5(+93051)	N/A
Chr6	65922371	65922910	Chr6.58032	4930544g1Trk(-28750),Prdm5(+144833)	N/A
Chr6	65969612	65969723	Chr6.58068	Mad21(-565800),4930544g1Trk(+17097)	N/A
Chr6	65992105	65992354	Chr6.58090	Mad21(-543238),4930544g1Trk(+39659)	N/A
Chr6	66012777	66012901	Chr6.58102	Mad21(-522629),4930544g1Trk(+60268)	N/A
Chr6	66077461	66077698	Chr6.58117	Mad21(-457888),4930544g1Trk(+125009)	N/A
Chr6	66360967	66361516	Chr6.58258	Mad21(-174226),4930544g1Trk(+408671)	N/A
Chr6	66401251	66401658	Chr6.58297	Mad21(-134014),4930544g1Trk(+449883)	N/A
Chr6	66402138	66402238	Chr6.58309	Mad21(-133280),4930544g1Trk(+449617)	N/A
Chr6	66464571	66464831	Chr6.58369	Mad21(-70767),4930544g1Trk(+512130)	N/A
Chr6	66897430	66897595	Chr6.58423	493059702Trk(-992)	N/A
Chr6	67036271	67036587	Chr6.58456	Gadd45a(+977)	N/A
Chr6	67037716	67038068	Chr6.58468	Gadd45a(-485)	N/A
Chr6	67049548	67049710	Chr6.58499	Serbp1(-217350),Gadd45a(-12223)	N/A
Chr6	67102591	67102866	Chr6.58513	Serbp1(-164250),Gadd45a(-65323)	N/A
Chr6	67126009	67126196	Chr6.58535	Serbp1(-140876),Gadd45a(-88697)	N/A
Chr6	67195345	67195505	Chr6.58568	Gadd45a(-158019),Serbp1(-71554)	N/A
Chr6	8661623	8661907	Chr6.5898	Icat1(+116719),Glc1(+152165)	N/A
Chr6	8662650	8663241	Chr6.5871	Icat1(+115388),Glc1(+153496)	N/A
Chr6	70844373	70844583	Chr6.58935	Elf2ak3(-37)	N/A
Chr6	70899777	70899892	Chr6.59035	Tex37(+19092),Elf2ak3(+55320)	N/A
Chr6	8694078	8694469	Chr6.5905	Icat1(+84210),Glc1(+184674)	N/A
Chr6	70921275	70921484	Chr6.59081	Tex37(-2453)	N/A
Chr6	8695069	8695323	Chr6.5910	Icat1(+83288),Glc1(+185596)	N/A
Chr6	70974648	70974757	Chr6.59142	Foxi3(+18097),Thnsl2(+169643)	N/A
Chr6	71060015	71060197	Chr6.59192	Thnsl2(+84240),Foxi3(+103500)	N/A
Chr6	71060342	71060443	Chr6.59197	Thnsl2(+83953),Foxi3(+103787)	N/A
Chr6	71065449	71065601	Chr6.59205	Thnsl2(+78821),Foxi3(+108919)	N/A
Chr6	71069402	71069574	Chr6.59214	Thnsl2(+74859),Foxi3(+112882)	N/A
Chr6	71074894	71075044	Chr6.59216	Thnsl2(-69377),Foxi3(+118363)	N/A
Chr6	71119738	71119968	Chr6.59232	Thnsl2(+24493),Foxi3(+163247)	N/A
Chr6	8731862	8732026	Chr6.5937	Icat1(+46540),Glc1(+222344)	N/A
Chr6	71271601	71271716	Chr6.59378	Krcr1(-360)	N/A
Chr6	8732576	8732713	Chr6.5941	Icat1(+46839),Glc1(+223045)	N/A
Chr6	71569861	71569818	Chr6.59538	Chmp3(-26758),Kdm3a(+63131)	N/A
Chr6	71631124	71631263	Chr6.59691	Kdm3a(+1492),Chmp3(+87397)	N/A

Chr6	71632886	71633095	Chr6.59698	Kdm3a(-305)	N/A
Chr6	71633337	71633632	Chr6.59708	Kdm3a(-799)	N/A
Chr6	8742599	8742739	Chr6.5973	Ica1(+35835),Glccl1(+233049)	N/A
Chr6	71882549	71882693	Chr6.59913	Pfcd3(+26141),Imml(+51290)	N/A
Chr6	71934022	71934144	Chr6.60034	Sl3gal5(-163530),Polr1a(+25030)	N/A
Chr6	71940933	71941081	Chr6.60049	Sl3gal5(-156606),Polr1a(+31954)	N/A
Chr6	8778422	8778562	Chr6.6009	Ica1(-8)	N/A
Chr6	72189043	72189198	Chr6.60242	Atoh8(+46456),Sl3gal5(+91508)	N/A
Chr6	72206148	72206318	Chr6.60255	Atoh8(+29345),Sl3gal5(+108619)	N/A
Chr6	72208576	72208725	Chr6.60265	Atoh8(+26826),Sl3gal5(+11038)	N/A
Chr6	7222437	72224646	Chr6.60287	Atoh8(+13035),Sl3gal5(+124929)	N/A
Chr6	72235356	72235527	Chr6.60300	Atoh8(+135)	N/A
Chr6	72241667	72241893	Chr6.60302	Stfbp(-62845),Atoh8(-6203)	N/A
Chr6	72244380	72244612	Chr6.60308	Stfbp(-60129),Atoh8(-9919)	N/A
Chr6	72248515	72248935	Chr6.60320	Stfbp(-56080),Atoh8(-12998)	N/A
Chr6	72254407	72254528	Chr6.60327	Stfbp(-50157),Atoh8(-18891)	N/A
Chr6	72254947	72255055	Chr6.60331	Stfbp(-49624),Atoh8(-19424)	N/A
Chr6	72261209	72261326	Chr6.60336	Stfbp(-43357),Atoh8(-25691)	N/A
Chr6	72277620	72277794	Chr6.60344	Atoh8(-42130),Stfbp(-26918)	N/A
Chr6	72353363	72353183	Chr6.60444	Tmem150a(-2324)	N/A
Chr6	72356758	72356888	Chr6.60457	Tmem150a(+1376),Rnf181(+5609)	N/A
Chr6	72359655	72359779	Chr6.60484	Rnf181(+2715),Tmem150a(+4270)	N/A
Chr6	72371634	72371767	Chr6.60516	Rnf181(-9269),Vamp5(+8767)	N/A
Chr6	72391446	72391557	Chr6.60555	Vamp8(-799)	N/A
Chr6	72454983	72455257	Chr6.60659	Mat2a(-15562),Sh2b6(+65507)	N/A
Chr6	72538130	72538260	Chr6.60700	Sh2b6(-17568),Cagp(-11078)	N/A
Chr6	8896569	8896779	Chr6.6085	Ica1(-118190),Nuph1(-51940)	N/A
Chr6	8897423	8897522	Chr6.6091	Ica1(-118989),Nuph1(-51141)	N/A
Chr6	72655467	72655607	Chr6.60979	Gm15401(+25700),Tc7f1(+133415)	N/A
Chr6	72663058	72663250	Chr6.60981	Gm15401(+33317),Tc7f1(+125798)	N/A
Chr6	72673313	72673729	Chr6.60985	Gm15401(+43681),Tc7f1(+115434)	N/A
Chr6	72677871	72677836	Chr6.60996	Gm15401(+47917),Tc7f1(+111198)	N/A
Chr6	72678898	72679002	Chr6.60998	Gm15401(+49113),Tc7f1(+110002)	N/A
Chr6	72685171	72685368	Chr6.61004	Gm15401(+55433),Tc7f1(+103682)	N/A
Chr6	72686859	72687047	Chr6.61012	Gm15401(+57116),Tc7f1(+101999)	N/A
Chr6	72693476	72694588	Chr6.61022	Gm15401(+64644),Tc7f1(+94471)	N/A
Chr6	72699637	72699802	Chr6.61026	Gm15401(+69883),Tc7f1(+89232)	N/A
Chr6	72714521	72715060	Chr6.61049	Tc7f1(+73961),Gm15401(+85154)	N/A
Chr6	72722011	72722208	Chr6.61056	Tc7f1(+66842),Gm15401(+92273)	N/A
Chr6	72730501	72730755	Chr6.61060	Tc7f1(+58324),Gm15401(+100791)	N/A
Chr6	72730975	72731129	Chr6.61065	Tc7f1(+57900),Gm15401(+101215)	N/A
Chr6	72731373	72731493	Chr6.61071	Tc7f1(+57519),Gm15401(+101598)	N/A
Chr6	72744063	72744178	Chr6.61075	Tc7f1(+44831),Gm15401(+114263)	N/A
Chr6	72748654	72748845	Chr6.61076	Tc7f1(+42022),Gm15401(+118913)	N/A
Chr6	72749135	72749275	Chr6.61082	Tc7f1(+39747),Gm15401(+119368)	N/A
Chr6	72769359	72769598	Chr6.61099	Tc7f1(+19473),Gm15401(+139642)	N/A
Chr6	72770335	72770537	Chr6.61105	Tc7f1(+18516),Gm15401(+140599)	N/A
Chr6	72787451	72787628	Chr6.61115	Tc7f1(+1412),Gm15401(+157703)	N/A
Chr6	72842454	72842697	Chr6.61141	Tc7f1(-53624),Kcnd1(+57403)	N/A
Chr6	72957337	72957438	Chr6.61163	Tmsb10(+914)	N/A
Chr6	73001175	73001366	Chr6.61169	Tmsb10(-42969),Dnah6(+220360)	N/A
Chr6	8936323	8936427	Chr6.6138	Ica1(-157891),Nuph1(-12239)	N/A
Chr6	7336899	73368879	Chr6.61562	4931417e11rik(+100878),Sugcl1(+120407)	N/A
Chr6	8949159	8949279	Chr6.6163	Nuph1(+605)	N/A
Chr6	8949721	8949821	Chr6.6172	Nuph1(+1157)	N/A
Chr6	73611856	73612173	Chr6.61723	4931417e11rik(-142348)	N/A
Chr6	8950096	8950313	Chr6.6175	Nuph1(+1591)	N/A
Chr6	75800118	75800233	Chr6.62197	Gm9008(+697455)	N/A
Chr6	76468147	76468257	Chr6.62386	Gm9008(+29429)	N/A
Chr6	76752460	76752561	Chr6.62467	Lrrtm1(-490189),Gm9008(-254880)	N/A
Chr6	77242511	77242693	Chr6.63036	Lrrtm1(-95)	N/A
Chr6	77242941	77243389	Chr6.63041	Lrrtm1(+468)	N/A
Chr6	8996496	8996743	Chr6.6311	Nuph1(+48006)	N/A
Chr6	77537434	77537620	Chr6.63413	Lrrtm1(-294839),Ctnna2(+442023)	N/A
Chr6	77545567	77545763	Chr6.63420	Lrrtm1(-302968),Ctnna2(+433883)	N/A
Chr6	77559991	77560121	Chr6.63456	Lrrtm1(-317359),Ctnna2(+419494)	N/A
Chr6	77978483	77978742	Chr6.63702	Ctnna2(+937)	N/A
Chr6	78460404	78460645	Chr6.63893	Reg3g(+8347),Reg1(+34542)	N/A
Chr6	9063666	9063837	Chr6.6431	Nuph1(+115138)	N/A
Chr6	80018818	80019206	Chr6.64353	Lrrtm4(+94)	N/A
Chr6	9070735	9070886	Chr6.6467	Nuph1(+122197)	N/A
Chr6	80569446	80569624	Chr6.64763	Lrrtm4(+550617)	N/A
Chr6	9076321	9076429	Chr6.6484	Nuph1(+127761)	N/A
Chr6	9076585	9076725	Chr6.6486	Nuph1(+128041)	N/A
Chr6	80760610	80760713	Chr6.64893	Lrrtm4(+741744)	N/A
Chr6	9077840	9078001	Chr6.6493	Nuph1(+123037)	N/A
Chr6	9078420	9078706	Chr6.6497	Nuph1(+129949)	N/A
Chr6	81661077	81661332	Chr6.65493	Gcfc2(-262464)	N/A
Chr6	81715309	81715501	Chr6.65504	Gcfc2(-208264)	N/A
Chr6	81716032	81716281	Chr6.65509	Gcfc2(-207522)	N/A
Chr6	81763224	81763351	Chr6.65596	Gcfc2(-140381)	N/A
Chr6	81944666	81944572	Chr6.65604	Gcfc2(-129150)	N/A
Chr6	81990257	81990441	Chr6.65704	Eva1a(-51274),Mpi19(-24391)	N/A
Chr6	82030234	82030450	Chr6.65716	Mpi19(-64384),Eva1a(-11281)	N/A
Chr6	82030508	82030657	Chr6.65720	Mpi19(-64625),Eva1a(-11040)	N/A
Chr6	82037252	82037502	Chr6.65726	Eva1a(-4246)	N/A
Chr6	82046215	82046319	Chr6.65737	Tacr1(-356208),Eva1a(+4644)	N/A
Chr6	82059783	82060025	Chr6.65746	Tacr1(-342571),Eva1a(+18281)	N/A
Chr6	82402812	82403053	Chr6.65846	Tacr1(+458)	N/A
Chr6	82774437	82774602	Chr6.66155	Hk2(-66)	N/A
Chr6	82774669	82774801	Chr6.66161	Hk2(-281)	N/A
Chr6	82872075	82872328	Chr6.66178	Hk2(-97748),Sema4f(+67567)	N/A
Chr6	82897942	82898041	Chr6.66272	M1ap(+10390),Dok1(+45479)	N/A
Chr6	83000212	83000417	Chr6.66279	Dok1(+33156),M1ap(+53413)	N/A
Chr6	83005067	83005180	Chr6.66287	Dok1(+28347),M1ap(+58222)	N/A
Chr6	83034180	83034298	Chr6.66365	Dok1(-768),Loxl3(+66)	N/A
Chr6	83044097	83044202	Chr6.66403	Loxl3(+9977),Hra2(+10421)	N/A
Chr6	83057494	83057704	Chr6.66533	Hra2(-3028),Dqx1(-245)	N/A
Chr6	83071351	83071494	Chr6.66618	Thx2(-1130)	N/A
Chr6	83071697	83071803	Chr6.66620	Thx2(-1457)	N/A
Chr6	83077633	83077799	Chr6.66622	Pcgf1(-674)	N/A
Chr6	83078621	83078755	Chr6.66631	Pcgf1(+298)	N/A
Chr6	83094103	83094227	Chr6.66648	Lbx2(-2200)	N/A
Chr6	83121128	83121628	Chr6.66784	Wbp1(+182)	N/A
Chr6	83137319	83137488	Chr6.66828	Rtkn(+1592),Wdr54(+18993)	N/A
Chr6	83137765	83137893	Chr6.66829	Rtkn(+2017),Wdr54(+18568)	N/A
Chr6	83138139	83138250	Chr6.66832	Rtkn(+2383),Wdr54(+18202)	N/A
Chr6	83152392	83152510	Chr6.66873	1700003e16rik(-3953),Wdr54(+3946)	N/A
Chr6	83172464	83172691	Chr6.66942	Dctn1(-7009),1700003e16rik(+16174)	N/A
Chr6	83172721	83172838	Chr6.66945	Dctn1(-6806),1700003e16rik(+16376)	N/A
Chr6	83179534	83179683	Chr6.66947	Dctn1(+23)	N/A
Chr6	83183900	83184117	Chr6.66966	Slc4a5(-53366),Dctn1(+4423)	N/A
Chr6	83186260	83186481	Chr6.66976	Slc4a5(-51004),Dctn1(+6785)	N/A
Chr6	83187877	83187847	Chr6.66983	Slc4a5(-49613),Dctn1(+8176)	N/A
Chr6	83219719	83219931	Chr6.67075	Slc4a5(-17550),Dctn1(+40239)	N/A
Chr6	83244731	83245050	Chr6.67092	Slc4a5(-75716),Mthfd2(+72715)	N/A
Chr6	83303322	83303445	Chr6.67217	Mthfd2(+14222),Slc4a5(+66609)	N/A
Chr6	83306297	83306397	Chr6.67228	Mthfd2(+11259),Slc4a5(+68972)	N/A
Chr6	83365276	83365396	Chr6.67335	Bola3(+15890),Tet3(+76339)	N/A
Chr6	83433663	83433822	Chr6.67480	Tet3(+7932),Bola3(+84297)	N/A
Chr6	83433532	83435501	Chr6.67492	Tet3(+6258),Bola3(+85971)	N/A
Chr6	83439907	83440051	Chr6.67500	Tet3(+1696),Bola3(+90533)	N/A
Chr6	83440423	83440588	Chr6.67504	Tet3(+1169),Bola3(+91060)	N/A
Chr6	83444937	83445139	Chr6.67510	Tet3(-3363)	N/A
Chr6	83453940	83453982	Chr6.67516	Tet3(-12236),Dguok(+53058)	N/A
Chr6	83455243	83455410	Chr6.67526	Tet3(-13652),Dguok(+51642)	N/A
Chr6	83457174	83457283	Chr6.67535	Tet3(-15554),Dguok(+49740)	N/A
Chr6	83457401	83457744	Chr6.67537	Tet3(-15898),Dguok(+49396)	N/A
Chr6	83488844	83488960	Chr6.67568	Tet3(-47227),Dguok(+18067)	N/A
Chr6	83502834	83502934	Chr6.67591	Tet3(-61209),Dguok(+4085)	N/A
Chr6	83536146	83536365	Chr6.67619	Actg2(-9)	N/A
Chr6	83542170	83542350	Chr6.67627	Actg2(-5995),Stampb(+30244)	N/A
Chr6	83567668	83567799	Chr6.67660	Actg2(-31469),Stampb(+4770)	N/A
Chr6	83745763	83745873	Chr6.67740	Ankrd53(-16826),Atp6v1b1(+2801)	N/A
Chr6	83749466	83749615	Chr6.67749	Ankrd53(-13103),Atp6v1b1(+6524)	N/A
Chr6	83788901	83788847	Chr6.67866	Tex261(-12912),Nagk(-6258)	N/A
Chr6	83831736	83831920	Chr6.67825	Pap2b(-87)	N/A
Chr6	83914576	83914618	Chr6.67947	Zfp638(+144)	N/A

Chr6	9331877	9332168	Chr6.6804	<i>Nxph1(+383409)</i>	N/A
Chr6	83976044	83976143	Chr6.6804	<i>Dysl(-43295),Zfp638(+61741)</i>	N/A
Chr6	84008588	84008727	Chr6.6804	<i>Dysl(-10731),Zfp638(+94305)</i>	N/A
Chr6	84019513	84019615	Chr6.68102	<i>Dysl(+175)</i>	N/A
Chr6	84048856	84049028	Chr6.68110	<i>Dysl(+29553),Cyp26b1(+544868)</i>	N/A
Chr6	84084670	84084864	Chr6.68174	<i>Dysl(+65378),Cyp26b1(+509043)</i>	N/A
Chr6	84085142	84085364	Chr6.68179	<i>Dysl(+65864),Cyp26b1(+508557)</i>	N/A
Chr6	84102027	84102194	Chr6.68224	<i>Dysl(+82722),Cyp26b1(+491699)</i>	N/A
Chr6	84105633	84105855	Chr6.68228	<i>Dysl(+86355),Cyp26b1(+488066)</i>	N/A
Chr6	84110392	84110668	Chr6.68248	<i>Dysl(+91141),Cyp26b1(+463350)</i>	N/A
Chr6	84111246	84111357	Chr6.68255	<i>Dysl(+91913),Cyp26b1(+482508)</i>	N/A
Chr6	84119880	84120411	Chr6.68287	<i>Dysl(+100757),Cyp26b1(+473664)</i>	N/A
Chr6	84122343	84122544	Chr6.68292	<i>Dysl(+103055),Cyp26b1(+471366)</i>	N/A
Chr6	84124705	84124819	Chr6.68295	<i>Dysl(+105373),Cyp26b1(+469048)</i>	N/A
Chr6	84131720	84132035	Chr6.68306	<i>Dysl(+112494),Cyp26b1(+461927)</i>	N/A
Chr6	84134690	84134835	Chr6.68309	<i>Dysl(+115374),Cyp26b1(+459047)</i>	N/A
Chr6	84134880	84135283	Chr6.68310	<i>Dysl(+115693),Cyp26b1(+458728)</i>	N/A
Chr6	84142499	84142863	Chr6.68335	<i>Dysl(+123292),Cyp26b1(+451129)</i>	N/A
Chr6	84144436	84144606	Chr6.68346	<i>Dysl(+125132),Cyp26b1(+449289)</i>	N/A
Chr6	84151261	84151499	Chr6.68363	<i>Dysl(+131991),Cyp26b1(+442439)</i>	N/A
Chr6	84155892	84155997	Chr6.68379	<i>Dysl(+136556),Cyp26b1(+437868)</i>	N/A
Chr6	84166894	84167003	Chr6.68382	<i>Dysl(+147560),Cyp26b1(+426861)</i>	N/A
Chr6	84167663	84167944	Chr6.68384	<i>Dysl(+148415),Cyp26b1(+426006)</i>	N/A
Chr6	84168323	84168632	Chr6.68386	<i>Dysl(+149089),Cyp26b1(+425332)</i>	N/A
Chr6	84181481	84181626	Chr6.68407	<i>Dysl(+162164),Cyp26b1(+412257)</i>	N/A
Chr6	84197731	84197734	Chr6.68405	<i>Dysl(+176394),Cyp26b1(+396027)</i>	N/A
Chr6	84197922	84198111	Chr6.68446	<i>Dysl(+178628),Cyp26b1(+395793)</i>	N/A
Chr6	84210165	84210357	Chr6.68491	<i>Dysl(+190872),Cyp26b1(+383549)</i>	N/A
Chr6	84219202	84219398	Chr6.68499	<i>Dysl(+199911),Cyp26b1(+374510)</i>	N/A
Chr6	84225676	84225814	Chr6.68509	<i>Dysl(+206356),Cyp26b1(+368065)</i>	N/A
Chr6	84228775	84228920	Chr6.68514	<i>Dysl(+209510),Cyp26b1(+364911)</i>	N/A
Chr6	84246479	84246629	Chr6.68541	<i>Dysl(+227165),Cyp26b1(+347258)</i>	N/A
Chr6	84247008	84247384	Chr6.68545	<i>Dysl(+227807),Cyp26b1(+346614)</i>	N/A
Chr6	84251852	84252167	Chr6.68548	<i>Dysl(+232621),Cyp26b1(+341800)</i>	N/A
Chr6	84263763	84263940	Chr6.68563	<i>Dysl(+244463),Cyp26b1(+329958)</i>	N/A
Chr6	84266805	84267166	Chr6.68566	<i>Dysl(+247597),Cyp26b1(+326824)</i>	N/A
Chr6	84270531	84270793	Chr6.68575	<i>Dysl(+251273),Cyp26b1(+323148)</i>	N/A
Chr6	84272024	84272177	Chr6.68586	<i>Dysl(+282712),Cyp26b1(+321709)</i>	N/A
Chr6	84272957	84273140	Chr6.68590	<i>Dysl(+253660),Cyp26b1(+320761)</i>	N/A
Chr6	84300639	84300766	Chr6.68598	<i>Dysl(+281314),Cyp26b1(+293107)</i>	N/A
Chr6	84309000	84309217	Chr6.68611	<i>Cyp26b1(+284701),Dysl(+289720)</i>	N/A
Chr6	84312059	84312228	Chr6.68616	<i>Cyp26b1(+281866),Dysl(+292755)</i>	N/A
Chr6	84315280	84315472	Chr6.68624	<i>Cyp26b1(+278444),Dysl(+295977)</i>	N/A
Chr6	84319548	84319816	Chr6.68640	<i>Cyp26b1(+274128),Dysl(+300293)</i>	N/A
Chr6	84325839	84325995	Chr6.68641	<i>Cyp26b1(+267893),Dysl(+306528)</i>	N/A
Chr6	84343988	84344094	Chr6.68650	<i>Cyp26b1(+249769),Dysl(+324652)</i>	N/A
Chr6	84344690	84344855	Chr6.68651	<i>Cyp26b1(+249037),Dysl(+325384)</i>	N/A
Chr6	84344981	84345269	Chr6.68655	<i>Cyp26b1(+246885),Dysl(+325738)</i>	N/A
Chr6	84349843	84350092	Chr6.68662	<i>Cyp26b1(+243842),Dysl(+330579)</i>	N/A
Chr6	84353528	84353778	Chr6.68666	<i>Cyp26b1(+240157),Dysl(+334264)</i>	N/A
Chr6	84358039	84358228	Chr6.68674	<i>Cyp26b1(+235676),Dysl(+338745)</i>	N/A
Chr6	84359685	84359916	Chr6.68681	<i>Cyp26b1(+234009),Dysl(+340412)</i>	N/A
Chr6	84366493	84366650	Chr6.68688	<i>Cyp26b1(+227238),Dysl(+347183)</i>	N/A
Chr6	84365729	84368012	Chr6.68713	<i>Cyp26b1(+207939),Dysl(+366493)</i>	N/A
Chr6	84414407	84414789	Chr6.68746	<i>Cyp26b1(+179212),Dysl(+395209)</i>	N/A
Chr6	84417103	84417384	Chr6.68753	<i>Cyp26b1(+176566),Dysl(+397855)</i>	N/A
Chr6	84429330	84429456	Chr6.68765	<i>Cyp26b1(+164417),Dysl(+410004)</i>	N/A
Chr6	84430875	84431004	Chr6.68768	<i>Cyp26b1(+162807),Dysl(+411551)</i>	N/A
Chr6	84431129	84431439	Chr6.68770	<i>Cyp26b1(+162526),Dysl(+411895)</i>	N/A
Chr6	84481208	84481341	Chr6.68802	<i>Cyp26b1(+112353),Dysl(+461884)</i>	N/A
Chr6	84485930	84486180	Chr6.68810	<i>Cyp26b1(+107755),Dysl(+466666)</i>	N/A
Chr6	84500897	84501026	Chr6.68834	<i>Cyp26b1(+92848),Dysl(+481573)</i>	N/A
Chr6	84504068	84504864	Chr6.68842	<i>Cyp26b1(+89074),Dysl(+485347)</i>	N/A
Chr6	84509759	84509876	Chr6.68847	<i>Cyp26b1(+83992),Dysl(+490429)</i>	N/A
Chr6	84514943	84515033	Chr6.68859	<i>Cyp26b1(+78812),Dysl(+495609)</i>	N/A
Chr6	84569958	84570093	Chr6.68883	<i>Cyp26b1(+23784),Dysl(+550637)</i>	N/A
Chr6	84573629	84573740	Chr6.68893	<i>Cyp26b1(+20125),Dysl(+554296)</i>	N/A
Chr6	84577943	84578108	Chr6.68938	<i>Cyp26b1(+15784),Dysl(+558637)</i>	N/A
Chr6	84579624	84579751	Chr6.68941	<i>Cyp26b1(+14122),Dysl(+560299)</i>	N/A
Chr6	84580524	84580736	Chr6.68949	<i>Cyp26b1(+13180),Dysl(+561241)</i>	N/A
Chr6	84584629	84584758	Chr6.68975	<i>Cyp26b1(+91171),Dysl(+565394)</i>	N/A
Chr6	84584819	84584933	Chr6.68977	<i>Cyp26b1(+88934),Dysl(+565487)</i>	N/A
Chr6	84585450	84585554	Chr6.68981	<i>Cyp26b1(+8308),Dysl(+566113)</i>	N/A
Chr6	84585783	84586112	Chr6.68984	<i>Cyp26b1(+7862),Dysl(+566559)</i>	N/A
Chr6	84593862	84594117	Chr6.69008	<i>Cyp26b1(+180)</i>	N/A
Chr6	84594221	84594429	Chr6.69012	<i>Cyp26b1(+515)</i>	N/A
Chr6	84598780	84599037	Chr6.69015	<i>Cyp26b1(-5099),Exocb(+470604)</i>	N/A
Chr6	84616391	84616646	Chr6.69023	<i>Cyp26b1(-22709),Exocb(+452994)</i>	N/A
Chr6	84640634	84641146	Chr6.69051	<i>Cyp26b1(-47080),Exocb(+428623)</i>	N/A
Chr6	84641734	84641864	Chr6.69059	<i>Cyp26b1(-47989),Exocb(+427714)</i>	N/A
Chr6	84647234	84647372	Chr6.69069	<i>Cyp26b1(-52493),Exocb(+422210)</i>	N/A
Chr6	84659881	84657119	Chr6.69085	<i>Cyp26b1(-45780),Exocb(+412513)</i>	N/A
Chr6	84657324	84657487	Chr6.69087	<i>Cyp26b1(-63596),Exocb(+412107)</i>	N/A
Chr6	84688431	84688559	Chr6.69102	<i>Cyp26b1(-94685),Exocb(+381018)</i>	N/A
Chr6	84688981	84689230	Chr6.69109	<i>Cyp26b1(-95296),Exocb(+380407)</i>	N/A
Chr6	84693713	84694090	Chr6.69125	<i>Cyp26b1(-100092),Exocb(+375811)</i>	N/A
Chr6	84697841	84697952	Chr6.69136	<i>Cyp26b1(-103867),Exocb(+371716)</i>	N/A
Chr6	84717554	84717335	Chr6.69207	<i>Cyp26b1(-177835),Exocb(+297868)</i>	N/A
Chr6	84775978	84776118	Chr6.69211	<i>Cyp26b1(-182238),Exocb(+293465)</i>	N/A
Chr6	84780095	84780353	Chr6.69219	<i>Cyp26b1(-186414),Exocb(+289289)</i>	N/A
Chr6	84796052	84796160	Chr6.69238	<i>Cyp26b1(-202296),Exocb(+273407)</i>	N/A
Chr6	84796364	84796569	Chr6.69240	<i>Cyp26b1(-202657),Exocb(+273048)</i>	N/A
Chr6	84797921	84798071	Chr6.69250	<i>Cyp26b1(-204166),Exocb(+273048)</i>	N/A
Chr6	84867014	84867419	Chr6.69294	<i>Cyp26b1(-273407),Exocb(+202296)</i>	N/A
Chr6	84867707	84868141	Chr6.69298	<i>Cyp26b1(-274114),Exocb(+201589)</i>	N/A
Chr6	84883278	84883429	Chr6.69321	<i>Cyp26b1(-289544),Exocb(+186159)</i>	N/A
Chr6	84893023	84893311	Chr6.69334	<i>Cyp26b1(-299357),Exocb(+176346)</i>	N/A
Chr6	84923851	84924165	Chr6.69375	<i>Cyp26b1(-330236),Exocb(+154665)</i>	N/A
Chr6	84924206	84924345	Chr6.69379	<i>Cyp26b1(-330466),Exocb(+145237)</i>	N/A
Chr6	84933514	84933735	Chr6.69386	<i>Cyp26b1(-339815),Exocb(+135888)</i>	N/A
Chr6	84933821	84933960	Chr6.69389	<i>Cyp26b1(-340081),Exocb(+135622)</i>	N/A
Chr6	84939547	84939667	Chr6.69393	<i>Cyp26b1(-345797),Exocb(+129906)</i>	N/A
Chr6	84959589	84960017	Chr6.69404	<i>Cyp26b1(-365993),Exocb(+109710)</i>	N/A
Chr6	84968262	84968599	Chr6.69419	<i>Cyp26b1(-374621),Exocb(+101062)</i>	N/A
Chr6	84976565	84976989	Chr6.69432	<i>Cyp26b1(-382967),Exocb(+92736)</i>	N/A
Chr6	84987199	84987385	Chr6.69438	<i>Cyp26b1(-393482),Exocb(+82221)</i>	N/A
Chr6	85024374	85024803	Chr6.69468	<i>Cyp26b1(-430779),Exocb(+44924)</i>	N/A
Chr6	85155016	85155251	Chr6.69521	<i>Spr-ps1(+129)</i>	N/A
Chr6	85155070	85155799	Chr6.69528	<i>Spr-ps1(+730)</i>	N/A
Chr6	85156200	85163141	Chr6.69548	<i>Emx1(-24357),Spr-ps1(+8076)</i>	N/A
Chr6	85190401	85190501	Chr6.69585	<i>Emx1(+3013),Shn5(+142971)</i>	N/A
Chr6	85206182	85206453	Chr6.69626	<i>Emx1(+18880),Shn5(+127104)</i>	N/A
Chr6	85206934	85207124	Chr6.69628	<i>Emx1(+19591),Shn5(+126393)</i>	N/A
Chr6	85210964	85211154	Chr6.69634	<i>Emx1(+23621),Shn5(+122363)</i>	N/A
Chr6	85219787	85219938	Chr6.69648	<i>Emx1(+32425),Shn5(+113559)</i>	N/A
Chr6	85220014	85220156	Chr6.69649	<i>Emx1(+32647),Shn5(+113337)</i>	N/A
Chr6	85221050	85221278	Chr6.69654	<i>Emx1(+33726),Shn5(+112258)</i>	N/A
Chr6	85222704	85222807	Chr6.69661	<i>Emx1(+35318),Shn5(+110666)</i>	N/A
Chr6	85224354	85224610	Chr6.69667	<i>Emx1(+37044),Shn5(+108940)</i>	N/A
Chr6	85231604	85231757	Chr6.69679	<i>Emx1(+44243),Shn5(+10741)</i>	N/A
Chr6	85294749	85294879	Chr6.69725	<i>Shn5(+68608),Emx1(+77376)</i>	N/A
Chr6	85265081	85265393	Chr6.69726	<i>Shn5(+68185),Emx1(+77799)</i>	N/A
Chr6	85293927	85294178	Chr6.69751	<i>Shn5(+39369),Emx1(+106615)</i>	N/A
Chr6	85302385	85302572	Chr6.69759	<i>Shn5(+30943),Emx1(+115041)</i>	N/A
Chr6	85314178	85314305	Chr6.69764	<i>Shn5(+19180),Emx1(+126804)</i>	N/A
Chr6	85320526	85320635	Chr6.69767	<i>Shn5(+12841),Emx1(+133143)</i>	N/A
Chr6	85334949	85335067	Chr6.69785	<i>Shn5(+1586)</i>	N/A
Chr6	85399877	85400063	Chr6.69869	<i>Rab11fp5(-25336),Noto(-23916)</i>	N/A
Chr6	85409239	85409377	Chr6.69877	<i>Rab11fp5(-34674),Noto(-14578)</i>	N/A
Chr6	85451235	85451414	Chr6.69946	<i>Cct7(-180),Prad1(-42)</i>	N/A
Chr6	85451987	85452158	Chr6.69953	<i>Prad1(-765),Cct7(+543)</i>	N/A
Chr6	85469576	85469833	Chr6.69994	<i>Cct7(+16200),Fbxo4(+133181)</i>	N/A
Chr6	85470008	85470214	Chr6.69998	<i>Cct7(+18606),Fbxo4(+13275)</i>	N/A
Chr6	85513585	85513756	Chr6.70103	<i>Egr4(-82)</i>	N/A
Chr6	85544179	85544579	Chr6.70121	<i>Alms1(-43152),Egr4(-30790)</i>	N/A
Chr6	86046797	86065002	Chr6.70335	<i>Add(-13184),Fgfr4(+47709)</i>	N/A
Chr6	86109571	86109737	Chr6.70423	<i>Tgfr(-85897),Add2(+31579)</i>	N/A
Chr6	86153686	86153924	Chr6.70471	<i>Tgfr(-41446),Add2(+75721)</i>	N/A

Chr6		86186456	86186594	Chr6.70486	Tgfa(-8726),Add2(+108441)	N/A
Chr6		86233539	86233705	Chr6.70507	Fam136a(-132061),Tgfa(+38371)	N/A
Chr6		86234052	86234275	Chr6.70512	Fam136a(-131519),Tgfa(+38913)	N/A
Chr6		86251024	86251208	Chr6.70524	Fam136a(-14568),Tgfa(+55849)	N/A
Chr6		86252320	86252545	Chr6.70529	Fam136a(-113250),Tgfa(+57182)	N/A
Chr6		86293631	86293831	Chr6.70556	Fam136a(-71952),Tgfa(+98480)	N/A
Chr6		86343783	86344017	Chr6.70589	Fam136a(-21783),Tgfa(+148649)	N/A
Chr6		86404218	86404334	Chr6.70672	Tia1(+57)	N/A
Chr6		86431706	86431854	Chr6.70742	C87436(-6594),Tia1(+27561)	N/A
Chr6		86438350	86438463	Chr6.70757	C87436(+33)	N/A
Chr6		86480347	86480464	Chr6.70801	C87436(+42032),Pcbp1(+45765)	N/A
Chr6		86524456	86524584	Chr6.70808	Pcbp1(+1651),C87436(+86146)	N/A
Chr6		86547880	86548084	Chr6.70826	Asprv1(-80192),Pcbp1(-21811)	N/A
Chr6		86548154	86548283	Chr6.70830	Asprv1(-79955),Pcbp1(-22048)	N/A
Chr6		86570875	86571053	Chr6.70838	Asprv1(-57210),Pcbp1(+44793)	N/A
Chr6		86578534	86578642	Chr6.70844	Pcbp1(-52417),Asprv1(-49598)	N/A
Chr6		86585192	86585409	Chr6.70847	Pcbp1(-59130),Asprv1(-42873)	N/A
Chr6		86624111	86624343	Chr6.70849	Asprv1(-3947)	N/A
Chr6		86667343	86667482	Chr6.70960	Mxd1(+1756),Asprv1(+39229)	N/A
Chr6		86669285	86669448	Chr6.70969	Mxd1(-208)	N/A
Chr6		86822744	86822947	Chr6.71085	Anxa4(-56936),Aak1(-26671)	N/A
Chr6		86831134	86831398	Chr6.71089	Anxa4(-63556),Aak1(-18251)	N/A
Chr6		86832942	86833064	Chr6.71092	Anxa4(-67093),Aak1(-16514)	N/A
Chr6		86849872	86849997	Chr6.71107	Aak1(+418)	N/A
Chr6		86850024	86850786	Chr6.71116	Nlu1(-159131),Aak1(+1188)	N/A
Chr6		86850885	86851171	Chr6.71119	Nlu1(-158758),Aak1(+1561)	N/A
Chr6		86851292	86851411	Chr6.71121	Nlu1(-158494),Aak1(+1835)	N/A
Chr6		86851528	86851687	Chr6.71122	Nlu1(-158228),Aak1(+2091)	N/A
Chr6		86874859	86874990	Chr6.71140	Nlu1(-134911),Aak1(+25408)	N/A
Chr6		86897499	86897640	Chr6.71148	Nlu1(-112266),Aak1(+48053)	N/A
Chr6		86988297	86988590	Chr6.71251	Nlu1(-21407),Aak1(+138912)	N/A
Chr6		86994946	86994774	Chr6.71277	Nlu1(-115126),Aak1(+145193)	N/A
Chr6		86996255	86996431	Chr6.71296	Nlu1(-13493),Aak1(+146826)	N/A
Chr6		86996600	86996967	Chr6.71305	Nlu1(-13052),Aak1(+147267)	N/A
Chr6		87003049	87003223	Chr6.71320	Nlu1(-6700),Aak1(+153619)	N/A
Chr6		87099629	87099620	Chr6.71416	D6ertd527e(-5051),Gfp1(-56929)	N/A
Chr6		87127357	87127550	Chr6.71435	D6ertd527e(+22628),Antxr1(+208321)	N/A
Chr6		87134737	87134863	Chr6.71439	D6ertd527e(+29974),Antxr1(+200975)	N/A
Chr6		87140085	87140362	Chr6.71463	D6ertd527e(+35398),Antxr1(+195551)	N/A
Chr6		87142320	87142628	Chr6.71470	D6ertd527e(+37648),Antxr1(+193301)	N/A
Chr6		87143802	87144024	Chr6.71476	D6ertd527e(+39087),Antxr1(+191862)	N/A
Chr6		87150296	87150419	Chr6.71481	D6ertd527e(+45532),Antxr1(+185417)	N/A
Chr6		87160645	87160852	Chr6.71510	D6ertd527e(+75923),Antxr1(+156028)	N/A
Chr6		87163921	87164137	Chr6.71516	D6ertd527e(+79203),Antxr1(+151746)	N/A
Chr6		87187025	87187265	Chr6.71520	D6ertd527e(+82319),Antxr1(+148630)	N/A
Chr6		87190574	87190673	Chr6.71542	D6ertd527e(+85798),Antxr1(+145151)	N/A
Chr6		87203311	87203331	Chr6.71548	D6ertd527e(+98420),Antxr1(+132529)	N/A
Chr6		87216846	87216749	Chr6.71558	D6ertd527e(+111872),Antxr1(+119077)	N/A
Chr6		87225565	87225768	Chr6.71565	Antxr1(-111088),D6ertd527e(+120841)	N/A
Chr6		87233133	87233349	Chr6.71572	Antxr1(+102534),D6ertd527e(+128415)	N/A
Chr6		87237287	87237508	Chr6.71577	Antxr1(+98377),D6ertd527e(+132572)	N/A
Chr6		87250846	87250967	Chr6.71593	Antxr1(+84868),D6ertd527e(+146081)	N/A
Chr6		87255054	87255223	Chr6.71601	Antxr1(+80636),D6ertd527e(+150313)	N/A
Chr6		87270729	87270828	Chr6.71619	Antxr1(+64996),D6ertd527e(+165953)	N/A
Chr6		87272121	87272463	Chr6.71623	Antxr1(+63483),D6ertd527e(+167468)	N/A
Chr6		87280245	87280483	Chr6.71642	Antxr1(+55411),D6ertd527e(+175538)	N/A
Chr6		87282973	87283174	Chr6.71649	Antxr1(+52701),D6ertd527e(+176248)	N/A
Chr6		87285385	87285507	Chr6.71657	Antxr1(+50329),D6ertd527e(+180620)	N/A
Chr6		87329372	87329618	Chr6.71693	Antxr1(+63330),D6ertd527e(+224619)	N/A
Chr6		87331028	87331328	Chr6.71696	Antxr1(+45988),D6ertd527e(+226515)	N/A
Chr6		87331433	87331538	Chr6.71698	Antxr1(+4289),D6ertd527e(+226660)	N/A
Chr6		87334228	87334359	Chr6.71702	Antxr1(+1481),D6ertd527e(+229468)	N/A
Chr6		87335696	87335807	Chr6.71708	Antxr1(+23)	N/A
Chr6		87434408	87434568	Chr6.71859	Bmp10(+5516),Ahgap25(+98717)	N/A
Chr6		87441228	87441485	Chr6.71872	Bmp10(-12355),Ahgap25(+91878)	N/A
Chr6		87483179	87483299	Chr6.71932	Ahgap25(+49969),Bmp10(+54237)	N/A
Chr6		87483480	87483597	Chr6.71935	Ahgap25(+49696),Bmp10(+54537)	N/A
Chr6		87496313	87496430	Chr6.71952	Ahgap25(+36863),Bmp10(+67370)	N/A
Chr6		87597630	87597805	Chr6.72022	Prokr1(-7017),Appl(+74450)	N/A
Chr6		87867350	87867498	Chr6.72246	Copp1(-20291),Chcp1(-16317)	N/A
Chr6		88108821	88107000	Chr6.72420	Gata2(-17153),Rpn1(+122438)	N/A
Chr6		88117098	88117257	Chr6.72421	Gata2(-81486),Rpn1(+32705)	N/A
Chr6		88131882	88132070	Chr6.72423	Gata2(-66688),Rpn1(+47503)	N/A
Chr6		88133959	88134141	Chr6.72430	Gata2(-64614),Rpn1(+49577)	N/A
Chr6		88136248	88136451	Chr6.72436	Gata2(-62314),Rpn1(+51877)	N/A
Chr6		88189727	88189911	Chr6.72441	Gata2(-88448),Rpn1(+105348)	N/A
Chr6		88190687	88190696	Chr6.72443	Gata2(-7837),Rpn1(+106354)	N/A
Chr6		88194808	88194915	Chr6.72450	Gata2(-3802)	N/A
Chr6		88197371	88197549	Chr6.72459	Gata2(-1204)	N/A
Chr6		88198577	88198752	Chr6.72462	Gata2(+1)	N/A
Chr6		88203063	88203399	Chr6.72468	Dnajb8(-19037),Gata2(+4567)	N/A
Chr6		88228529	88228697	Chr6.72547	Dnajb8(+4245),Eefsec(+219926)	N/A
Chr6		88229359	88229509	Chr6.72548	Dnajb8(+7166),Eefsec(+217105)	N/A
Chr6		88247001	88247151	Chr6.72552	Dnajb8(+24808),Eefsec(+199463)	N/A
Chr6		88255519	88255622	Chr6.72553	Dnajb8(+33303),Eefsec(+190968)	N/A
Chr6		88259834	88259997	Chr6.72566	Dnajb8(+37648),Eefsec(+186623)	N/A
Chr6		88262270	88262545	Chr6.72572	Dnajb8(+40140),Eefsec(+184131)	N/A
Chr6		88263263	88263389	Chr6.72579	Dnajb8(+41058),Eefsec(+183213)	N/A
Chr6		88299651	88299770	Chr6.72634	Dnajb8(+77443),Eefsec(+146828)	N/A
Chr6		88320092	88320197	Chr6.72656	Dnajb8(+97877),Eefsec(+126394)	N/A
Chr6		88340869	88341076	Chr6.72665	Eefsec(+105566),Dnajb8(+118705)	N/A
Chr6		88343654	88343847	Chr6.72669	Eefsec(+102788),Dnajb8(+121483)	N/A
Chr6		88344993	88345113	Chr6.72673	Eefsec(+101536),Dnajb8(+122735)	N/A
Chr6		88352696	88352795	Chr6.72679	Eefsec(+93793),Dnajb8(+130478)	N/A
Chr6		88370905	88371059	Chr6.72690	Eefsec(+75557),Dnajb8(+148714)	N/A
Chr6		88384586	88384787	Chr6.72707	Eefsec(+61852),Dnajb8(+162419)	N/A
Chr6		88384816	88385144	Chr6.72709	Eefsec(+61558),Dnajb8(+162712)	N/A
Chr6		88385194	88385343	Chr6.72712	Eefsec(+61270),Dnajb8(+163001)	N/A
Chr6		88389040	88389289	Chr6.72714	Eefsec(+53734),Dnajb8(+166897)	N/A
Chr6		88394348	88394479	Chr6.72720	Eefsec(+52125),Dnajb8(+172146)	N/A
Chr6		88409581	88409878	Chr6.72730	Eefsec(+36809),Dnajb8(+187462)	N/A
Chr6		88416168	88416466	Chr6.72734	Eefsec(+30222),Dnajb8(+194049)	N/A
Chr6		88424881	88424985	Chr6.72747	Eefsec(+21608),Dnajb8(+202665)	N/A
Chr6		88425264	88425473	Chr6.72751	Eefsec(+21170),Dnajb8(+203101)	N/A
Chr6		88433808	88434270	Chr6.72780	Eefsec(+12500),Dnajb8(+211771)	N/A
Chr6		88434319	88434537	Chr6.72787	Eefsec(+12111),Dnajb8(+212160)	N/A
Chr6		88439849	88440173	Chr6.72794	Eefsec(+6528),Dnajb8(+217743)	N/A
Chr6		88476686	88476917	Chr6.72823	Ruvb1(+11393),Sec61a1(+42103)	N/A
Chr6		88482793	88482922	Chr6.72846	Ruvb1(+17449),Sec61a1(+36047)	N/A
Chr6		88589135	88589253	Chr6.72966	Sec61a1(-70289),Ktbd12(+36221)	N/A
Chr6		88725280	88725401	Chr6.73065	Mgll(+637)	N/A
Chr6		88733122	88733332	Chr6.73078	Mgll(+8523),Abtb1(+108708)	N/A
Chr6		88753032	88753214	Chr6.73090	Mgll(+28419),Abtb1(+88812)	N/A
Chr6		88942799	88942945	Chr6.73347	4933427d06nk(-153243),Tpra1(+40621)	N/A
Chr6		88969454	88969599	Chr6.73350	4933427d06nk(-126588),Tpra1(+87276)	N/A
Chr6		88976954	88976954	Chr6.73356	4933427d06nk(-118228),Tpra1(+74636)	N/A
Chr6		88982119	88982266	Chr6.73361	4933427d06nk(-113922),Tpra1(+79942)	N/A
Chr6		89008584	89008829	Chr6.73368	4933427d06nk(-87358),Tpra1(+106508)	N/A
Chr6		89013362	89013485	Chr6.73379	4933427d06nk(-82691),Tpra1(+111173)	N/A
Chr6		89035762	89035936	Chr6.73383	4933427d06nk(-60266),Tpra1(+133598)	N/A
Chr6		89235761	89235915	Chr6.73398	Gm839(-19601),Ptxna1(+126775)	N/A
Chr6		89316301	89316417	Chr6.73418	Gm839(-100122),Ptxna1(+46254)	N/A
Chr6		89336074	89336269	Chr6.73566	Gm839(-119355),Ptxna1(+26441)	N/A
Chr6		89344619	89344764	Chr6.73611	Gm839(-128455),Ptxna1(+17921)	N/A
Chr6		89348576	89348787	Chr6.73613	Gm839(-132453),Ptxna1(+13941)	N/A
Chr6		89359851	89359996	Chr6.73657	Gm839(-143677),Ptxna1(+2699)	N/A
Chr6		89389705	89389846	Chr6.73671	Ptxna1(-27163),Chchd6(+205876)	N/A
Chr6		89466195	89466378	Chr6.73716	Ptxna1(-103674),Chchd6(+129365)	N/A
Chr6		89484391	89484498	Chr6.73734	Ptxna1(-121832),Chchd6(+111207)	N/A
Chr6		89491915	89492098	Chr6.73749	Ptxna1(-138634),Chchd6(+96405)	N/A
Chr6		89551527	89551689	Chr6.73760	Ptxna1(-188998),Chchd6(+44044)	N/A
Chr6		89552736	89552838	Chr6.73764	Ptxna1(-190174),Chchd6(+42865)	N/A
Chr6		89556661	89556820	Chr6.73770	Ptxna1(-194128),Chchd6(+38911)	N/A
Chr6		89661491	89661604	Chr6.73823	Vmn140(-52655),Txnrd3(+17560)	N/A
Chr6		90050816	90057114	Chr6.74121	Aldh11l(-43824),Klf15(+41661)	N/A
Chr6		90619449	90619651	Chr6.74238	Sic41a3(+14825),Iqsec1(+190573)	N/A
Chr6		90669446	90661061	Chr6.74302	Sic41a3(+56279),Iqsec1(+149116)	N/A
Chr6		90661103	90661260	Chr6.74304	Sic41a3(+56457),Iqsec1(+148041)	N/A

Chr6	90730052	90730177	Chr6.74441	<i>Iqsec1(+80008),Slc41a3(+125390)</i>	N/A
Chr6	90731408	90731513	Chr6.74445	<i>Iqsec1(+78662),Slc41a3(+126736)</i>	N/A
Chr6	90761448	90761610	Chr6.74452	<i>Iqsec1(+48594),Slc41a3(+156804)</i>	N/A
Chr6	91180859	91181027	Chr6.74860	<i>Fbin2(-51522),Hsd11(+24269)</i>	N/A
Chr6	91295117	91295275	Chr6.75025	<i>Fbin2(+82741),Wnt7a(+116167)</i>	N/A
Chr6	91298983	91299104	Chr6.75030	<i>Fbin2(+86589),Wnt7a(+112319)</i>	N/A
Chr6	91301292	91301576	Chr6.75033	<i>Fbin2(+88979),Wnt7a(+109929)</i>	N/A
Chr6	91324789	91325074	Chr6.75046	<i>Wnt7a(+86431),Fbin2(+112477)</i>	N/A
Chr6	91346366	91346536	Chr6.75062	<i>Wnt7a(+95150),Fbin2(+133758)</i>	N/A
Chr6	91349887	91349992	Chr6.75068	<i>Wnt7a(+61573),Fbin2(+137335)</i>	N/A
Chr6	91364961	91365086	Chr6.75085	<i>Wnt7a(+46339),Fbin2(+152569)</i>	N/A
Chr6	91372624	91372729	Chr6.75110	<i>Wnt7a(+38686),Fbin2(+160222)</i>	N/A
Chr6	91389371	91389545	Chr6.75119	<i>Wnt7a(+21905),Fbin2(+177003)</i>	N/A
Chr6	91528272	91528378	Chr6.75320	<i>Slc6a6(-193742),Lsm3(+12397)</i>	N/A
Chr6	91549867	91550039	Chr6.75348	<i>Slc6a6(-134114),Lsm3(+34025)</i>	N/A
Chr6	91615327	91615515	Chr6.75362	<i>Slc6a6(-68646),Lsm3(+90493)</i>	N/A
Chr6	91675192	91675407	Chr6.75374	<i>Slc6a6(-8767),Lsm3(+159372)</i>	N/A
Chr6	91685244	91685696	Chr6.75381	<i>Slc6a6(+1403),Grip2(+121986)</i>	N/A
Chr6	91694738	91694893	Chr6.75390	<i>Slc6a6(+10749),Grip2(+112640)</i>	N/A
Chr6	91721335	91721453	Chr6.75399	<i>Slc6a6(+37327),Grip2(+86062)</i>	N/A
Chr6	91721482	91721651	Chr6.75404	<i>Slc6a6(+37500),Grip2(+85889)</i>	N/A
Chr6	91729988	91730213	Chr6.75432	<i>Slc6a6(+46034),Grip2(+77355)</i>	N/A
Chr6	91743067	91743176	Chr6.75460	<i>Slc6a6(+59055),Grip2(+64334)</i>	N/A
Chr6	91753011	91753152	Chr6.75475	<i>Slc6a6(+54374),Slc6a6(+69015)</i>	N/A
Chr6	10969815	10969960	Chr6.7555	<i>Ndufa4(+937554)</i>	N/A
Chr6	10970064	10970202	Chr6.7559	<i>Ndufa4(+937298)</i>	N/A
Chr6	10970677	10971048	Chr6.7561	<i>Ndufa4(+936583)</i>	N/A
Chr6	10971102	10971353	Chr6.7566	<i>Ndufa4(+936218)</i>	N/A
Chr6	91903964	91904102	Chr6.75709	<i>493059Q08rik(-10726),Cdc174(+25980)</i>	N/A
Chr6	91960083	91960212	Chr6.75773	<i>Fgd5(-26962),493059Q08rik(+45389)</i>	N/A
Chr6	91960550	91960632	Chr6.75776	<i>Fgd5(-26589),493059Q08rik(+45762)</i>	N/A
Chr6	91969599	91967155	Chr6.75787	<i>Fgd5(-20053),493059Q08rik(+52299)</i>	N/A
Chr6	91972222	91972381	Chr6.75793	<i>Fgd5(-14808),493059Q08rik(+57543)</i>	N/A
Chr6	91981184	91981305	Chr6.75804	<i>Fgd5(-5865),493059Q08rik(+66486)</i>	N/A
Chr6	92034875	92034984	Chr6.75915	<i>Nr2c2(-56460),Fgd5(+47820)</i>	N/A
Chr6	92132039	92132278	Chr6.75991	<i>Nr2c2(+40768),Mpa25(+51875)</i>	N/A
Chr6	92414787	92415039	Chr6.76303	<i>Trh(-170263),Prickle2(+291232)</i>	N/A
Chr6	92465098	92465210	Chr6.76390	<i>Trh(-220504),Prickle2(+240991)</i>	N/A
Chr6	92468450	92468809	Chr6.76394	<i>Trh(-223980),Prickle2(+237515)</i>	N/A
Chr6	92481272	92481512	Chr6.76418	<i>Trh(-236742),Prickle2(+224753)</i>	N/A
Chr6	92483504	92483680	Chr6.76425	<i>Trh(-238942),Prickle2(+222553)</i>	N/A
Chr6	92517657	92517805	Chr6.76461	<i>Trh(-273081),Prickle2(+186414)</i>	N/A
Chr6	92532460	92532571	Chr6.76472	<i>Trh(-287868),Prickle2(+172859)</i>	N/A
Chr6	92533007	92533310	Chr6.76473	<i>Trh(-288509),Prickle2(+172986)</i>	N/A
Chr6	92534869	92535024	Chr6.76481	<i>Trh(-290297),Prickle2(+171198)</i>	N/A
Chr6	92605285	92605509	Chr6.76563	<i>Trh(-360747),Prickle2(+100748)</i>	N/A
Chr6	92607992	92608091	Chr6.76566	<i>Trh(-363392),Prickle2(+98103)</i>	N/A
Chr6	92609757	92610072	Chr6.76576	<i>Trh(-365263),Prickle2(+96230)</i>	N/A
Chr6	92634741	92635011	Chr6.76595	<i>Trh(-390226),Prickle2(+71269)</i>	N/A
Chr6	92648848	92649015	Chr6.76609	<i>Trh(-404282),Prickle2(+57213)</i>	N/A
Chr6	92667640	92667765	Chr6.76631	<i>Trh(-423053),Prickle2(+38442)</i>	N/A
Chr6	92669789	92669958	Chr6.76640	<i>Trh(-425224),Prickle2(+36271)</i>	N/A
Chr6	92687581	92687704	Chr6.76655	<i>Trh(-442993),Prickle2(+18502)</i>	N/A
Chr6	92704349	92704502	Chr6.76684	<i>Trh(-459776),Prickle2(+17119)</i>	N/A
Chr6	92704880	92705038	Chr6.76688	<i>Trh(-460309),Prickle2(+1186)</i>	N/A
Chr6	92717186	92717312	Chr6.76698	<i>A730049h05rik(-99229),Prickle2(-11104)</i>	N/A
Chr6	92724513	92724622	Chr6.76702	<i>A730049h05rik(-91910),Prickle2(-18423)</i>	N/A
Chr6	92762589	92762784	Chr6.76735	<i>Prickle2(-56542),A730049h05rik(-53791)</i>	N/A
Chr6	92842044	92842156	Chr6.76856	<i>Gm15737(-27257),A730049h05rik(+25622)</i>	N/A
Chr6	92850316	92850426	Chr6.76889	<i>Gm15737(-18966),A730049h05rik(+33893)</i>	N/A
Chr6	92940226	92940357	Chr6.77058	<i>Adams9(-38851)</i>	N/A
Chr6	92941414	92941530	Chr6.77064	<i>Adams9(-40031)</i>	N/A
Chr6	92962535	92962647	Chr6.77086	<i>Adams9(-61150)</i>	N/A
Chr6	92967865	92967999	Chr6.77102	<i>Adams9(-86491)</i>	N/A
Chr6	92984848	92985070	Chr6.77107	<i>Adams9(-87068)</i>	N/A
Chr6	93026533	93026672	Chr6.77163	<i>Adams9(-125162)</i>	N/A
Chr6	93062154	93062355	Chr6.77169	<i>Adams9(-160814)</i>	N/A
Chr6	93065779	93065944	Chr6.77180	<i>Adams9(-164421)</i>	N/A
Chr6	93119573	93119686	Chr6.77272	<i>Adams9(-218189)</i>	N/A
Chr6	93124501	93124661	Chr6.77285	<i>Adams9(-223140)</i>	N/A
Chr6	93140555	93140734	Chr6.77305	<i>Adams9(-230204)</i>	N/A
Chr6	93218183	93218291	Chr6.77420	<i>Adams9(-316796)</i>	N/A
Chr6	93223958	93224328	Chr6.77423	<i>Adams9(-322702)</i>	N/A
Chr6	93234718	93234944	Chr6.77440	<i>Adams9(-333390)</i>	N/A
Chr6	93236575	93236831	Chr6.77448	<i>Adams9(-334312)</i>	N/A
Chr6	93236620	93236201	Chr6.77454	<i>Adams9(-334670)</i>	N/A
Chr6	93236234	93236417	Chr6.77456	<i>Adams9(-334885)</i>	N/A
Chr6	93272495	93272708	Chr6.77474	<i>Adams9(-371161)</i>	N/A
Chr6	93274276	93274448	Chr6.77480	<i>Adams9(-372921)</i>	N/A
Chr6	93286149	93286270	Chr6.77494	<i>Adams9(-384769),Mag1(+997112)</i>	N/A
Chr6	93288038	93288174	Chr6.77515	<i>Adams9(-39665),Mag1(+985216)</i>	N/A
Chr6	93293096	93293534	Chr6.77522	<i>Adams9(-398024),Mag1(+98385)</i>	N/A
Chr6	93358074	93358227	Chr6.77587	<i>Adams9(-456710),Mag1(+925171)</i>	N/A
Chr6	93371444	93371574	Chr6.77600	<i>Adams9(-470068),Mag1(+911813)</i>	N/A
Chr6	93397036	93397213	Chr6.77633	<i>Adams9(-495684),Mag1(+886197)</i>	N/A
Chr6	93410892	93410998	Chr6.77649	<i>Adams9(-509504),Mag1(+872377)</i>	N/A
Chr6	93472561	93472694	Chr6.77731	<i>Adams9(-571187),Mag1(+810694)</i>	N/A
Chr6	93543416	93543522	Chr6.77788	<i>Adams9(-642028),Mag1(+739853)</i>	N/A
Chr6	93543665	93543967	Chr6.77790	<i>Adams9(-642375),Mag1(+739506)</i>	N/A
Chr6	93715566	93715692	Chr6.77995	<i>Adams9(-814188),Mag1(+567693)</i>	N/A
Chr6	93716839	93716962	Chr6.78005	<i>Adams9(-815460),Mag1(+566421)</i>	N/A
Chr6	93717310	93717432	Chr6.78011	<i>Adams9(-815930),Mag1(+565951)</i>	N/A
Chr6	93717461	93717660	Chr6.78013	<i>Adams9(-816120),Mag1(+56576)</i>	N/A
Chr6	93802560	93802666	Chr6.78127	<i>Adams9(-901152),Mag1(+480729)</i>	N/A
Chr6	93802700	93802960	Chr6.78129	<i>Adams9(-901389),Mag1(+480492)</i>	N/A
Chr6	93844821	93844933	Chr6.78175	<i>Adams9(-943436),Mag1(+438445)</i>	N/A
Chr6	93849304	93849420	Chr6.78183	<i>Adams9(-947821),Mag1(+433960)</i>	N/A
Chr6	93849452	93849573	Chr6.78187	<i>Adams9(-949072),Mag1(+433890)</i>	N/A
Chr6	93911416	93911568	Chr6.78236	<i>Mag1(+371830)</i>	N/A
Chr6	93912819	93913001	Chr6.78247	<i>Mag1(+370412)</i>	N/A
Chr6	93913462	93913726	Chr6.78252	<i>Mag1(+369728)</i>	N/A
Chr6	93962738	93963050	Chr6.78287	<i>Mag1(+320428)</i>	N/A
Chr6	94054212	94054329	Chr6.78379	<i>Mag1(+229051)</i>	N/A
Chr6	94068155	94068284	Chr6.78397	<i>Mag1(+215102)</i>	N/A
Chr6	94068341	94068461	Chr6.78398	<i>Mag1(+214921)</i>	N/A
Chr6	94121478	94121642	Chr6.78449	<i>Mag1(+161762)</i>	N/A
Chr6	94163618	94163775	Chr6.78481	<i>Mag1(+119625)</i>	N/A
Chr6	94204424	94204681	Chr6.78533	<i>Mag1(+78769)</i>	N/A
Chr6	94215204	94215319	Chr6.78548	<i>Mag1(+68060)</i>	N/A
Chr6	94225949	94226136	Chr6.78559	<i>Mag1(+657279)</i>	N/A
Chr6	94283471	94283592	Chr6.78647	<i>Mag1(-210)</i>	N/A
Chr6	94283806	94284009	Chr6.78649	<i>Mag1(-586)</i>	N/A
Chr6	94334752	94334893	Chr6.78689	<i>Slc25a26(-165491),Mag1(-51501)</i>	N/A
Chr6	94336239	94336370	Chr6.78692	<i>Slc25a26(-164009),Mag1(-52983)</i>	N/A
Chr6	94354242	94354428	Chr6.78706	<i>Slc25a26(-145979),Mag1(-71013)</i>	N/A
Chr6	94358378	94358591	Chr6.78711	<i>Slc25a26(-141829),Mag1(-75163)</i>	N/A
Chr6	94400993	94401537	Chr6.78724	<i>Mag1(-117943),Slc25a26(-99049)</i>	N/A
Chr6	94542093	94542218	Chr6.78807	<i>Slc25a26(-41842),Lrg1(+157981)</i>	N/A
Chr6	94550367	94550498	Chr6.78813	<i>Slc25a26(-50134),Lrg1(+149689)</i>	N/A
Chr6	94578106	94578222	Chr6.78828	<i>Slc25a26(-77852),Lrg1(+121971)</i>	N/A
Chr6	94592248	94592601	Chr6.78833	<i>Slc25a26(-92111),Lrg1(+107712)</i>	N/A
Chr6	94592677	94592908	Chr6.78836	<i>Slc25a26(-92479),Lrg1(+107344)</i>	N/A
Chr6	94604534	94604735	Chr6.78856	<i>Lrg1(+95502),Slc25a26(+104321)</i>	N/A
Chr6	94604835	94604934	Chr6.78858	<i>Lrg1(+95252),Slc25a26(+104571)</i>	N/A
Chr6	94631162	94631308	Chr6.79020	<i>Lrg1(+68902),Slc25a26(+130921)</i>	N/A
Chr6	94631466	94631609	Chr6.79024	<i>Lrg1(+68589),Slc25a26(+131224)</i>	N/A
Chr6	94637087	94637304	Chr6.79027	<i>Lrg1(+62241),Slc25a26(+136882)</i>	N/A
Chr6	94640272	94640389	Chr6.79033	<i>Lrg1(+59806),Slc25a26(+140017)</i>	N/A
Chr6	94640419	94640627	Chr6.79037	<i>Lrg1(+59614),Slc25a26(+140209)</i>	N/A
Chr6	94644892	94645002	Chr6.79043	<i>Lrg1(+55190),Slc25a26(+144633)</i>	N/A
Chr6	94655899	94656075	Chr6.79072	<i>Lrg1(+44050),Slc25a26(+155773)</i>	N/A
Chr6	94660139	94660256	Chr6.79078	<i>Lrg1(+39939),Slc25a26(+159884)</i>	N/A
Chr6	94668303	94668664	Chr6.79090	<i>Lrg1(+31653),Slc25a26(+168170)</i>	N/A
Chr6	94675576	94675701	Chr6.79102	<i>Lrg1(+24498),Slc25a26(+175325)</i>	N/A
Chr6	94678856	94677073	Chr6.79109	<i>Lrg1(+23172),Slc25a26(+176651)</i>	N/A
Chr6	94681750	94682007	Chr6.79125	<i>Lrg1(+18258),Slc25a26(+181565)</i>	N/A
Chr6	94682597	94682651	Chr6.79136	<i>Lrg1(+14683),Slc25a26(+185160)</i>	N/A
Chr6	94686693	94686697	Chr6.79143	<i>Lrg1(+13304),Slc25a26(+186519)</i>	N/A

Chr6	94690405	94690529	Chr6.79146	Lrig1(+9670),Slc25a26(+190153)	N/A
Chr6	94691082	94691218	Chr6.79155	Lrig1(+8987),Slc25a26(+190836)	N/A
Chr6	94692462	94692757	Chr6.79151	Lrig1(+7527),Slc25a26(+192296)	N/A
Chr6	94692932	94693035	Chr6.79163	Lrig1(+7153),Slc25a26(+192670)	N/A
Chr6	94694700	94694804	Chr6.79170	Lrig1(+5385),Slc25a26(+194438)	N/A
Chr6	94695100	94695308	Chr6.79173	Lrig1(+4933),Slc25a26(+194890)	N/A
Chr6	94695964	94696090	Chr6.79179	Lrig1(+4110),Slc25a26(+195713)	N/A
Chr6	94696519	94696657	Chr6.79182	Lrig1(+3549),Slc25a26(+196274)	N/A
Chr6	94696970	94696986	Chr6.79184	Lrig1(+3209),Slc25a26(+196614)	N/A
Chr6	94707364	94707487	Chr6.79207	Kbtbd8(-410308),Lrig1(-7294)	N/A
Chr6	94707627	94707744	Chr6.79209	Kbtbd8(-410054),Lrig1(-7549)	N/A
Chr6	94715491	94715748	Chr6.79218	Kbtbd8(-402120),Lrig1(-15483)	N/A
Chr6	94760842	94761049	Chr6.79252	Kbtbd8(-356794),Lrig1(-60809)	N/A
Chr6	94761499	94761712	Chr6.79259	Kbtbd8(-358134),Lrig1(-61469)	N/A
Chr6	94772351	94773354	Chr6.79276	Kbtbd8(-344575),Lrig1(-73028)	N/A
Chr6	94773398	94773727	Chr6.79278	Kbtbd8(-344177),Lrig1(-73426)	N/A
Chr6	94773759	94774016	Chr6.79285	Kbtbd8(-343852),Lrig1(-73751)	N/A
Chr6	94776692	94776869	Chr6.79292	Kbtbd8(-340959),Lrig1(-76644)	N/A
Chr6	94780213	94780398	Chr6.79298	Kbtbd8(-337434),Lrig1(-80169)	N/A
Chr6	94789504	94789702	Chr6.79311	Kbtbd8(-328171),Lrig1(-89466)	N/A
Chr6	94801190	948011307	Chr6.79329	Kbtbd8(-316491),Lrig1(-101112)	N/A
Chr6	94801336	94801614	Chr6.79332	Kbtbd8(-316265),Lrig1(-101338)	N/A
Chr6	94805803	94805940	Chr6.79338	Kbtbd8(-311868),Lrig1(-105735)	N/A
Chr6	94816819	94816930	Chr6.79344	Kbtbd8(-300865),Lrig1(-116738)	N/A
Chr6	94818248	94818446	Chr6.79346	Kbtbd8(-299393),Lrig1(-118210)	N/A
Chr6	94834890	94835019	Chr6.79360	Kbtbd8(-282785),Lrig1(-119418)	N/A
Chr6	94843043	94843174	Chr6.79379	Kbtbd8(-274631),Lrig1(-142972)	N/A
Chr6	94849592	94849819	Chr6.79386	Kbtbd8(-268034),Lrig1(-149569)	N/A
Chr6	94850680	94851154	Chr6.79391	Kbtbd8(-266823),Lrig1(-150780)	N/A
Chr6	94851333	94851551	Chr6.79402	Kbtbd8(-266298),Lrig1(-151305)	N/A
Chr6	94881333	94881595	Chr6.79447	Kbtbd8(-236281),Lrig1(-181322)	N/A
Chr6	94899660	94899534	Chr6.79461	Kbtbd8(-227493),Lrig1(-180110)	N/A
Chr6	94907937	94908152	Chr6.79498	Kbtbd8(-206695),Lrig1(-207908)	N/A
Chr6	94911386	94911535	Chr6.79506	Lrig1(-211324),Kbtbd8(-206279)	N/A
Chr6	94911804	94912028	Chr6.79510	Lrig1(-211779),Kbtbd8(-205824)	N/A
Chr6	94944220	94944405	Chr6.79538	Lrig1(-244178),Kbtbd8(-173427)	N/A
Chr6	94962655	94962959	Chr6.79561	Lrig1(-262710),Kbtbd8(-154833)	N/A
Chr6	95017590	95017777	Chr6.79639	Lrig1(-317547),Kbtbd8(-100056)	N/A
Chr6	95117311	95117411	Chr6.79723	Kbtbd8(-379)	N/A
Chr6	95117602	95117710	Chr6.79726	Kbtbd8(-84)	N/A
Chr6	95117741	95117980	Chr6.79730	Kbtbd8(+121)	N/A
Chr6	95203113	95203293	Chr6.79828	Gm10234(-118909),Kbtbd8(+85463)	N/A
Chr6	95360349	95360208	Chr6.79973	Gm10234(-38016),Suglg(+358709)	N/A
Chr6	95374372	95374526	Chr6.79988	Gm10234(+52337),Suglg2(+344388)	N/A
Chr6	95464000	95464189	Chr6.80054	Gm10234(+141983),Suglg2(-254742)	N/A
Chr6	95484349	95484349	Chr6.80069	Gm10234(+162138),Suglg2(-234587)	N/A
Chr6	95515451	95515583	Chr6.80105	Gm10234(+193408),Suglg2(+203320)	N/A
Chr6	95550921	95551176	Chr6.80139	Suglg2(-167788),Gm10234(-238937)	N/A
Chr6	95562073	95562190	Chr6.80165	Suglg2(-156705),Gm10234(+240202)	N/A
Chr6	95574375	95574626	Chr6.80208	Suglg2(+144336),Gm10234(+252389)	N/A
Chr6	95574685	95574805	Chr6.80212	Suglg2(+144092),Gm10234(+252633)	N/A
Chr6	95574842	95575005	Chr6.80214	Suglg2(+143913),Gm10234(+252812)	N/A
Chr6	95635414	95635602	Chr6.80275	Suglg2(+83329),Gm10234(+313396)	N/A
Chr6	95669243	95669402	Chr6.80337	Suglg2(+49514),Gm10234(+314343)	N/A
Chr6	95674948	95675077	Chr6.80349	Suglg2(+43824),Gm10234(+352901)	N/A
Chr6	95793985	95794137	Chr6.80465	Tafa1(-319093),Suglg2(-75224)	N/A
Chr6	95801357	95801536	Chr6.80470	Tafa1(-311707),Suglg2(-82610)	N/A
Chr6	96112988	96113324	Chr6.80740	Tafa1(+2)	N/A
Chr6	96497966	96498127	Chr6.81204	170012314rik(-331842),Tafa4(+562364)	N/A
Chr6	97014440	11907544	Chr6.8147	Ndufa4(-48)	N/A
Chr6	4245869	4246027	Chr6.815	Col1a2(-259545),Bet1(-158976)	N/A
Chr6	97032436	97032562	Chr6.81639	170012314rik(-866294),Tafa4(+27912)	N/A
Chr6	97114553	97114660	Chr6.81822	Tafa4(-84196),Eogf(+4575)	N/A
Chr6	97223261	97223437	Chr6.81949	Arbg6(-12660),Lmod3(+29431)	N/A
Chr6	97289544	97289654	Chr6.82058	Lmod3(-36819),Frm44b(-327842)	N/A
Chr6	97312345	97312479	Chr6.82155	Lmod3(-59632),Frm44b(+305129)	N/A
Chr6	97321390	97321538	Chr6.82164	Lmod3(-68684),Frm44b(+296077)	N/A
Chr6	97349826	97350045	Chr6.82195	Lmod3(-97156),Frm44b(+267065)	N/A
Chr6	97356745	97366851	Chr6.82223	Lmod3(-104018),Frm44b(+260743)	N/A
Chr6	97409703	97409805	Chr6.82267	Lmod3(-156971),Frm44b(+207727)	N/A
Chr6	97439109	97439217	Chr6.82293	Lmod3(-186383),Frm44b(-176378)	N/A
Chr6	97439371	97439510	Chr6.82296	Lmod3(-186661),Frm44b(+178100)	N/A
Chr6	97459303	97459421	Chr6.82317	Lmod3(-206582),Frm44b(+158179)	N/A
Chr6	97463794	97463915	Chr6.82319	Lmod3(-211075),Frm44b(+153686)	N/A
Chr6	97518550	97518670	Chr6.82384	Lmod3(-265830),Frm44b(+98931)	N/A
Chr6	97576254	97576386	Chr6.82436	Lmod3(-325531),Frm44b(-39230)	N/A
Chr6	97582958	97583150	Chr6.82439	Lmod3(-330274),Frm44b(+34487)	N/A
Chr6	97616245	97616371	Chr6.82464	Lmod3(-363528),Frm44b(+1233)	N/A
Chr6	97625863	97625971	Chr6.82474	Mtlf(-181141),Frm44b(-8376)	N/A
Chr6	97669694	97667118	Chr6.82514	Mtlf(-140007),Frm44b(-49510)	N/A
Chr6	97806769	97806927	Chr6.82603	Mtlf(-210)	N/A
Chr6	97815715	97816098	Chr6.82619	Mtlf(+8849),Gm765(+626847)	N/A
Chr6	97820565	97820751	Chr6.82635	Mtlf(+19600),Gm765(+522096)	N/A
Chr6	97828311	97828443	Chr6.82655	Mtlf(+21319),Gm765(+514377)	N/A
Chr6	97869871	97870051	Chr6.82721	Mtlf(+62903),Gm765(+472793)	N/A
Chr6	97881997	97882157	Chr6.82738	Mtlf(+75019),Gm765(+460677)	N/A
Chr6	97892887	97893139	Chr6.82742	Mtlf(+75955),Gm765(+459741)	N/A
Chr6	97883644	97883753	Chr6.82747	Mtlf(+76641),Gm765(+459055)	N/A
Chr6	97929676	97929927	Chr6.82802	Mtlf(+122744),Gm765(+412952)	N/A
Chr6	97950248	97950432	Chr6.82843	Mtlf(+143282),Gm765(+392414)	N/A
Chr6	97981604	97981894	Chr6.82873	Mtlf(+174691),Gm765(+361005)	N/A
Chr6	98046669	98047262	Chr6.83029	Mtlf(+239908),Gm765(+295788)	N/A
Chr6	98049832	98049115	Chr6.83039	Mtlf(+241916),Gm765(+293780)	N/A
Chr6	12058764	12059075	Chr6.8306	Gm6578(+50663),Pnf14(+133038)	N/A
Chr6	98105539	98105770	Chr6.83148	Gm765(+237099),Mtlf(+298597)	N/A
Chr6	98117429	98117632	Chr6.83199	Gm765(+225223),Mtlf(+310473)	N/A
Chr6	98117985	98118272	Chr6.83202	Gm765(+224625),Mtlf(+311071)	N/A
Chr6	98125655	98125763	Chr6.83213	Gm765(-217045),Mtlf(+318651)	N/A
Chr6	98267952	98268152	Chr6.83521	Gm765(+74702),Mtlf(+460994)	N/A
Chr6	12118046	12118357	Chr6.8367	Gm6578(-8619),Thsd7a(+631051)	N/A
Chr6	98509429	98509815	Chr6.83876	Gm765(-166868),Foxp1(+925723)	N/A
Chr6	98521505	98521866	Chr6.83904	Gm765(-178932),Foxp1(+913659)	N/A
Chr6	98542131	98542338	Chr6.83957	Gm765(-199481),Foxp1(+893110)	N/A
Chr6	98555563	98555665	Chr6.83977	Gm765(-212660),Foxp1(+879731)	N/A
Chr6	98577342	98577535	Chr6.84009	Gm765(-234685),Foxp1(+857906)	N/A
Chr6	98626542	98626944	Chr6.84098	Gm765(-263989),Foxp1(+808602)	N/A
Chr6	98632225	98632444	Chr6.84117	Gm765(-289581),Foxp1(+803010)	N/A
Chr6	98632473	98632856	Chr6.84119	Gm765(-289911),Foxp1(+802680)	N/A
Chr6	98667048	98667463	Chr6.84166	Gm765(-324512),Foxp1(+768079)	N/A
Chr6	98690717	98691228	Chr6.84198	Gm765(-346219),Foxp1(+744372)	N/A
Chr6	98691386	98691490	Chr6.84204	Gm765(-348684),Foxp1(+743907)	N/A
Chr6	98691714	98691860	Chr6.84209	Gm765(-349033),Foxp1(+743558)	N/A
Chr6	98693377	98693688	Chr6.84219	Gm765(-350869),Foxp1(+741722)	N/A
Chr6	98705347	98705450	Chr6.84233	Gm765(-362649),Foxp1(+729946)	N/A
Chr6	98709529	98709732	Chr6.84409	Gm765(-456877),Foxp1(+637147)	N/A
Chr6	98847182	98847348	Chr6.84461	Gm765(-504511),Foxp1(+588080)	N/A
Chr6	98922552	98922807	Chr6.84514	Gm765(-579926),Foxp1(+512665)	N/A
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Chr6	98943412	98943558	Chr6.84617	Gm765(-600731),Foxp1(+491860)	N/A
Chr6	98948035	98948627	Chr6.84632	Gm765(-605509),Foxp1(+487062)	N/A
Chr6	98948962	98949677	Chr6.84633	Gm765(-605866),Foxp1(+487259)	N/A
Chr6	98949842	98949953	Chr6.84640	Gm765(-607149),Foxp1(+485442)	N/A
Chr6	98951799	98951918	Chr6.84645	Gm765(-609105),Foxp1(+483486)	N/A
Chr6	98955731	98955840	Chr6.84668	Gm765(-613032),Foxp1(+479559)	N/A
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Chr6	98970865	98971238	Chr6.84713	Gm765(-628288),Foxp1(+464293)	N/A
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Chr6	98972542	98972809	Chr6.84721	Gm765(-629922),Foxp1(+462669)	N/A
Chr6	98973949	98974112	Chr6.84727	Gm765(-631277),Foxp1(+461314)	N/A
Chr6	98987627	98987918	Chr6.84734	Gm765(-645019),Foxp1(+447572)	N/A
Chr6	98994136	98994550	Chr6.84741	Gm765(-651589),Foxp1(+441002)	N/A
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Chr6	12259646	12259893	Chr6.8479	Gm6578(-150187),Thsd7a(+489483)	N/A
Chr6	99012095	99012278	Chr6.84813	Gm765(-669433),Foxp1(+423158)	N/A
Chr6	99012628	99012733	Chr6.84816	Gm765(-669927),Foxp1(+422664)	N/A
Chr6	99013147	99013893	Chr6.84817	Gm765(-670768),Foxp1(+421825)	N/A
Chr6	99018886	99018997	Chr6.84841	Gm765(-676038),Foxp1(+418553)	N/A
Chr6	99019585	99019724	Chr6.84845	Gm765(-676901),Foxp1(+415690)	N/A

Chr6	99019817	99020081	Chr6.84848	Gm765(-677195),Foxp1(+415396)	N/A
Chr6	99020373	99020610	Chr6.84851	Gm765(-677738),Foxp1(+414853)	N/A
Chr6	99020718	99020880	Chr6.84854	Gm765(-678045),Foxp1(+414546)	N/A
Chr6	99025031	99025198	Chr6.84875	Gm765(-682360),Foxp1(+410231)	N/A
Chr6	99025246	99025555	Chr6.84879	Gm765(-682647),Foxp1(+409944)	N/A
Chr6	99026073	99026312	Chr6.84883	Gm765(-683439),Foxp1(+409152)	N/A
Chr6	99027407	99027575	Chr6.84886	Gm765(-684737),Foxp1(+407854)	N/A
Chr6	99028154	99028355	Chr6.84891	Gm765(-685501),Foxp1(+407090)	N/A
Chr6	99028928	99029048	Chr6.84899	Gm765(-686234),Foxp1(+406357)	N/A
Chr6	99030189	99030330	Chr6.84907	Gm765(-687506),Foxp1(+405085)	N/A
Chr6	99033213	99033346	Chr6.84932	Gm765(-690526),Foxp1(+402065)	N/A
Chr6	99033548	99033768	Chr6.84936	Gm765(-690904),Foxp1(+401687)	N/A
Chr6	99034004	99034201	Chr6.84942	Gm765(-691349),Foxp1(+401242)	N/A
Chr6	99058741	99058913	Chr6.84962	Gm765(-716073),Foxp1(+376518)	N/A
Chr6	99063822	99063827	Chr6.84993	Gm765(-720971),Foxp1(+371620)	N/A
Chr6	99063880	99064520	Chr6.84999	Gm765(-721451),Foxp1(+371140)	N/A
Chr6	99065629	99065920	Chr6.85003	Gm765(-723021),Foxp1(+369570)	N/A
Chr6	99066112	99066410	Chr6.85009	Gm765(-723507),Foxp1(+369084)	N/A
Chr6	99066490	99066621	Chr6.85014	Gm765(-723802),Foxp1(+368789)	N/A
Chr6	99071651	99071920	Chr6.85040	Gm765(-729032),Foxp1(+363559)	N/A
Chr6	99079095	99079181	Chr6.85050	Gm765(-736369),Foxp1(+356222)	N/A
Chr6	99081865	99081965	Chr6.85068	Gm765(-739161),Foxp1(+353430)	N/A
Chr6	99094588	99094910	Chr6.85091	Gm765(-751995),Foxp1(+340596)	N/A
Chr6	99095555	99095671	Chr6.85098	Gm765(-752859),Foxp1(+339732)	N/A
Chr6	99096136	99096501	Chr6.85100	Gm765(-753565),Foxp1(+339028)	N/A
Chr6	99097062	99097528	Chr6.85107	Gm765(-754541),Foxp1(+338505)	N/A
Chr6	99101453	99101765	Chr6.85132	Gm765(-758555),Foxp1(+333736)	N/A
Chr6	99130665	99130835	Chr6.85173	Gm765(-787996),Foxp1(+304595)	N/A
Chr6	99133917	99134253	Chr6.85188	Gm765(-791331),Foxp1(+301260)	N/A
Chr6	99135276	99135687	Chr6.85199	Gm765(-792728),Foxp1(+299863)	N/A
Chr6	99136016	99136457	Chr6.85205	Gm765(-793483),Foxp1(+299108)	N/A
Chr6	99143490	99143690	Chr6.85232	Gm765(-800836),Foxp1(+291755)	N/A
Chr6	99143751	99143926	Chr6.85238	Gm765(-801085),Foxp1(+291506)	N/A
Chr6	99146388	99146651	Chr6.85246	Gm765(-803766),Foxp1(+288825)	N/A
Chr6	99146893	99147029	Chr6.85251	Gm765(-804207),Foxp1(+288384)	N/A
Chr6	99159170	99159273	Chr6.85279	Gm765(-816469),Foxp1(+276122)	N/A
Chr6	99160042	99160324	Chr6.85285	Gm765(-817429),Foxp1(+275162)	N/A
Chr6	99173236	99173572	Chr6.85320	Gm765(-830650),Foxp1(+261941)	N/A
Chr6	99173862	99174145	Chr6.85324	Gm765(-831250),Foxp1(+261341)	N/A
Chr6	99186915	99187051	Chr6.85349	Gm765(-844229),Foxp1(+248362)	N/A
Chr6	99188495	99188608	Chr6.85353	Gm765(-845798),Foxp1(+246793)	N/A
Chr6	99190657	99190637	Chr6.85358	Gm765(-853439),Foxp1(+239153)	N/A
Chr6	99200713	99200830	Chr6.85395	Gm765(-858018),Foxp1(+234573)	N/A
Chr6	99203639	99203750	Chr6.85420	Gm765(-860094),Foxp1(+231650)	N/A
Chr6	99204354	99204497	Chr6.85424	Gm765(-861672),Foxp1(+230919)	N/A
Chr6	99204560	99204948	Chr6.85425	Gm765(-862000),Foxp1(+230591)	N/A
Chr6	99204982	99205285	Chr6.85428	Gm765(-862389),Foxp1(+230211)	N/A
Chr6	99205342	99205510	Chr6.85430	Gm765(-862672),Foxp1(+229199)	N/A
Chr6	99205612	99205774	Chr6.85432	Gm765(-862939),Foxp1(+229652)	N/A
Chr6	99206442	99207064	Chr6.85438	Gm765(-863999),Foxp1(+228592)	N/A
Chr6	99207355	99207462	Chr6.85446	Gm765(-864655),Foxp1(+227936)	N/A
Chr6	99261077	99261247	Chr6.85511	Gm765(-918408),Foxp1(+174183)	N/A
Chr6	99265124	99265373	Chr6.85530	Gm765(-922495),Foxp1(+170096)	N/A
Chr6	99265804	99265943	Chr6.85533	Gm765(-923120),Foxp1(+169471)	N/A
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Chr6	99268178	99268586	Chr6.85550	Gm765(-925629),Foxp1(+166962)	N/A
Chr6	99268618	99269186	Chr6.85553	Gm765(-926148),Foxp1(+166443)	N/A
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Chr6	99333045	99333230	Chr6.85706	Gm765(-990384),Foxp1(+102207)	N/A
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Chr6	99376109	99376336	Chr6.85823	Foxp1(+59122)	N/A
Chr6	99376766	99377031	Chr6.85829	Foxp1(+59446)	N/A
Chr6	99379158	99379295	Chr6.85837	Foxp1(+56118)	N/A
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Chr6	99462158	99462327	Chr6.86027	Foxp1(+26898),Eif4e3(+204528)	N/A
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Chr6	99475176	99475290	Chr6.86059	Foxp1(+39888),Eif4e3(+191538)	N/A
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Chr6	99484502	99484918	Chr6.86071	Foxp1(+49365),Eif4e3(+182061)	N/A
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Chr6	99518768	99518921	Chr6.86178	Foxp1(+83500),Eif4e3(+147926)	N/A
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Chr6	99755936	99756046	Chr6.86545	Prk2(-29599),Rybp(+531450)	N/A
Chr6	99804503	99804646	Chr6.86594	Prk2(-78184),Rybp(+482865)	N/A
Chr6	99843295	99843458	Chr6.86611	Prk2(-116984),Rybp(+444063)	N/A
Chr6	99863535	99863700	Chr6.86633	Prk2(-137226),Rybp(+423823)	N/A
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Chr6	100046368	100046568	Chr6.86768	Prk2(-320076),Rybp(+240973)	N/A
Chr6	100074846	100074945	Chr6.86782	Prk2(-348504),Rybp(+212545)	N/A
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Chr6	100301658	100301826	Chr6.86954	Rybp(-14281),Shq1(+369425)	N/A
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Chn6	100433225	100433338	Chn6.87016	Rybp(-145841),Shq1(+237875)	N/A
Chn6	100438719	100438843	Chn6.87019	Rybp(-151340),Shq1(+232378)	N/A
Chn6	100474502	100474749	Chn6.87031	Rybp(-187185),Shq1(+196531)	N/A
Chn6	100503623	100503795	Chn6.87039	Rybp(-216268),Shq1(+167448)	N/A
Chn6	100506004	100506126	Chn6.87046	Rybp(-218624),Shq1(+165092)	N/A
Chn6	100520049	100520151	Chn6.87052	Rybp(-232659),Shq1(+151057)	N/A
Chn6	100563142	100563264	Chn6.87074	Rybp(-275762),Shq1(+107954)	N/A
Chn6	100567738	100567940	Chn6.87079	Rybp(-280398),Shq1(+103318)	N/A
Chn6	100581189	100581486	Chn6.87103	Rybp(-293897),Shq1(+89819)	N/A
Chn6	100609003	100601006	Chn6.87123	Rybp(-313514),Shq1(+70202)	N/A
Chn6	100602210	100602397	Chn6.87125	Rybp(-314863),Shq1(+68853)	N/A
Chn6	100602432	100602566	Chn6.87126	Rybp(-315058),Shq1(+68658)	N/A
Chn6	100610321	100610558	Chn6.87135	Rybp(-322899),Shq1(+60717)	N/A
Chn6	100644782	100644907	Chn6.87170	Rybp(-357449),Shq1(+25267)	N/A
Chn6	100707237	100707480	Chn6.87215	Ppp4(-126279),GxyII2(+2625)	N/A
Chn6	100707661	100707789	Chn6.87221	Ppp4(-125913),GxyII2(+2991)	N/A
Chn6	100707926	100708065	Chn6.87224	Ppp4(-125642),GxyII2(+3262)	N/A
Chn6	100720405	100720514	Chn6.87234	Ppp4(-113178),GxyII2(+15726)	N/A
Chn6	100721323	100721559	Chn6.87235	Ppp4(-112197),GxyII2(+16707)	N/A
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Chn6	100732690	100733074	Chn6.87248	Ppp4(-100756),GxyII2(+28148)	N/A
Chn6	100976680	100976835	Chn6.87448	Ppp4(+143120),Pdm3(+401139)	N/A
Chn6	100977101	100977424	Chn6.87452	Ppp4(+143625),Pdm3(+400634)	N/A
Chn6	100993504	100993619	Chn6.87478	Ppp4(+159924),Pdm3(+384335)	N/A
Chn6	12467321	12467621	Chn6.8751	Gm657(-357888),Thsd7a(+281782)	N/A
Chn6	101048743	101048968	Chn6.87550	Ppp4(+215218),Pdm3(+329041)	N/A
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Chn6	101386705	101386812	Chn6.88133	Pdm3(-7862)	N/A
Chn6	101426385	101426572	Chn6.88184	Pdm3(-48582)	N/A
Chn6	101473275	101473447	Chn6.88224	Pdm3(-95464),Cntr3(+991306)	N/A
Chn6	101474064	101474291	Chn6.88232	Pdm3(-96281),Cntr3(+990489)	N/A
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Chn6	101669675	101669789	Chn6.88405	Pdm3(-291835),Cntr3(+794935)	N/A
Chn6	102026403	102026530	Chn6.88739	Pdm3(-648570),Cntr3(+438200)	N/A
Chn6	102563051	102563173	Chn6.89248	Ch1(-947753),Cntr3(-96446)	N/A
Chn6	102568847	102567008	Chn6.89263	Ch1(-943949),Cntr3(-102260)	N/A
Chn6	102567503	102567644	Chn6.89267	Ch1(-943302),Cntr3(-102907)	N/A
Chn6	102605863	102606036	Chn6.89294	Ch1(-904926),Cntr3(-141283)	N/A
Chn6	103317972	103318229	Chn6.89705	Cntr3(-853434),Ch1(-192775)	N/A
Chn6	103381187	103381316	Chn6.89774	Cntr3(-916585),Ch1(-129624)	N/A
Chn6	103568030	103568030	Chn6.89976	Cntr6(-924968),Ch1(-57078)	N/A
Chn6	12649709	12649835	Chn6.9006	Gm657(-540189),Thsd7a(+99481)	N/A
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Chn6	12749424	12749643	Chn6.9060	Thsd7a(-281)	N/A
Chn6	104457607	104457754	Chn6.90693	Cntr6(-35241),Ch1(+946805)	N/A
Chn6	104493333	104493333	Chn6.90707	Cntr6(+128)	N/A
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Chn6	106186729	106186828	Chn6.92147	Cntr4(+508034),Ilra(+559330)	N/A
Chn6	13021406	13021535	Chn6.92117	Thsd7a(-272118),Tmem106a(-48368)	N/A
Chn6	4405298	4405425	Chn6.924	Bel1(-318390),Col1a2(-100131)	N/A
Chn6	106426311	106426424	Chn6.92412	Ilra(+318741),Cntr4(+748623)	N/A
Chn6	106675001	106675153	Chn6.92800	Ilra(+70032),Cntr4(+997332)	N/A
Chn6	107529683	107529783	Chn6.93472	Lrm1(+7)	N/A
Chn6	107530051	107530153	Chn6.93475	Lrm1(+376)	N/A
Chn6	107531631	107531925	Chn6.93481	Setmar(-533267),Lrm1(+2052)	N/A
Chn6	107711840	107712256	Chn6.93709	Setmar(-352997),Lrm1(+182322)	N/A
Chn6	107923996	107924128	Chn6.93844	Setmar(-140983),Lrm1(+394336)	N/A
Chn6	108142883	108143034	Chn6.93994	Sumf1(+42623),Setmar(+77914)	N/A
Chn6	4417280	4417654	Chn6.940	Bel1(-330465),Col1a2(-88028)	N/A
Chn6	108152867	108152823	Chn6.94020	Sumf1(-328327),Setmar(+87710)	N/A
Chn6	108160743	108160857	Chn6.94040	Sumf1(-24782),Setmar(+95759)	N/A
Chn6	108161093	108161225	Chn6.94045	Sumf1(+24423),Setmar(+96114)	N/A
Chn6	108212946	108213146	Chn6.94084	lpr1(-72)	N/A
Chn6	108213267	108213420	Chn6.94090	lpr1(+226)	N/A
Chn6	108215080	108215253	Chn6.94104	Bhlhe40(-445462),lpr1(+2049)	N/A
Chn6	108236561	108236708	Chn6.94122	Bhlhe40(-423994),lpr1(+23517)	N/A
Chn6	108249563	108249721	Chn6.94148	Bhlhe40(-410987),lpr1(+36524)	N/A
Chn6	108249895	108250040	Chn6.94152	Bhlhe40(-410661),lpr1(+36850)	N/A
Chn6	108305059	108306658	Chn6.94204	Bhlhe40(-354045),lpr1(+93466)	N/A
Chn6	108343929	108344079	Chn6.94228	Bhlhe40(-316625),lpr1(+130886)	N/A
Chn6	108426873	108426986	Chn6.94420	Bhlhe40(-233659),lpr1(+213812)	N/A
Chn6	108447635	108447820	Chn6.94458	Bhlhe40(-212901),lpr1(+234610)	N/A
Chn6	108456183	108456524	Chn6.94469	Bhlhe40(-204275),lpr1(+243236)	N/A
Chn6	108457541	108457733	Chn6.94471	Bhlhe40(-202992),lpr1(+244519)	N/A
Chn6	108517308	108517476	Chn6.94591	Bhlhe40(-143237),lpr1(+304274)	N/A
Chn6	108536952	108537226	Chn6.94624	Bhlhe40(-123540),lpr1(+323971)	N/A
Chn6	108569592	108569832	Chn6.94686	Bhlhe40(-90917),lpr1(+356594)	N/A
Chn6	108569627	108569875	Chn6.94741	Bhlhe40(-1878)	N/A
Chn6	108662136	108662307	Chn6.94753	Ar8b(-120837),Bhlhe40(+1593)	N/A
Chn6	4418398	4418508	Chn6.948	Bel1(-331481),Col1a2(-87040)	N/A
Chn6	108667397	108667507	Chn6.94811	Ar8b(-115607),Bhlhe40(+6823)	N/A
Chn6	108669443	108669642	Chn6.94815	Ar8b(-114516),Bhlhe40(+7914)	N/A
Chn6	108738392	108738707	Chn6.94868	Ar8b(-445089),Bhlhe40(+77921)	N/A
Chn6	108752448	108752588	Chn6.94873	Ar8b(-30541),Bhlhe40(+91889)	N/A
Chn6	109543175	109543322	Chn6.95273	Edem1(+714608)	N/A
Chn6	4419182	4419301	Chn6.954	Bel1(-332270),Col1a2(-86251)	N/A
Chn6	110647066	110647172	Chn6.95819	Gm1(+1537)	N/A
Chn6	13678003	13678116	Chn6.9642	Bmt2(-94)	N/A
Chn6	111844447	111844581	Chn6.96487	Lmcd1(-429244)	N/A
Chn6	13714889	13715074	Chn6.9661	Bmt2(-37016),Gpr85(+124960)	N/A
Chn6	112050658	112050868	Chn6.96632	Lmcd1(-222995)	N/A
Chn6	112152963	112153089	Chn6.96730	Lmcd1(-120732)	N/A
Chn6	112203394	112203510	Chn6.96754	Lmcd1(-70306)	N/A
Chn6	112210713	112210817	Chn6.96759	Lmcd1(-62993)	N/A
Chn6	112242418	112242571	Chn6.96778	Lmcd1(-31263)	N/A
Chn6	112273398	112273506	Chn6.96813	Lmcd1(-306)	N/A
Chn6	112273706	112273815	Chn6.96818	Lmcd1(+3)	N/A
Chn6	112274412	112274512	Chn6.96824	Lmcd1(+704)	N/A
Chn6	112275350	112275549	Chn6.96830	Lmcd1(+1682),S031434c07rik(+13387)	N/A
Chn6	112288895	112288817	Chn6.96861	S031434c07rik(+86)	N/A

Chr6	112320485	112320589	Chr6.96915	5031434c07rik(-31700),Ssu2(+67486)	N/A
Chr6	112320892	112321003	Chr6.96916	5031434c07rik(-32111),Ssu2(+67079)	N/A
Chr6	112337760	112338023	Chr6.96954	5031434c07rik(-49055),Ssu2(+50131)	N/A
Chr6	112402147	112402253	Chr6.97012	Cav3(-57301),Ssu2(-14177)	N/A
Chr6	112459563	112459726	Chr6.97016	Cav3(+144)	N/A
Chr6	112757094	112757267	Chr6.97223	Rad18(-60511),Srgap3(+190085)	N/A
Chr6	112814638	112814875	Chr6.97269	Rad18(-118087),Srgap3(+132509)	N/A
Chr6	112828589	112828730	Chr6.97281	Rad18(-131990),Srgap3(+118606)	N/A
Chr6	112852610	112852760	Chr6.97305	Rad18(-156015),Srgap3(+94581)	N/A
Chr6	112884521	112884574	Chr6.97328	Rad18(-188628),Srgap3(+61768)	N/A
Chr6	112899762	112899925	Chr6.97339	Rad18(-203174),Srgap3(+47422)	N/A
Chr6	112900417	112900630	Chr6.97341	Rad18(-203854),Srgap3(+46742)	N/A
Chr6	112945703	112945900	Chr6.97373	Rad18(-249132),Srgap3(+1464)	N/A
Chr6	112947050	112947154	Chr6.97386	Srgap3(+164)	N/A
Chr6	112947186	112947426	Chr6.97388	Srgap3(+40)	N/A
Chr6	112958077	112958215	Chr6.97396	Thump3(-48079),Srgap3(-10880)	N/A
Chr6	112958291	112958481	Chr6.97398	Thump3(-87839),Srgap3(-11120)	N/A
Chr6	112972923	112973189	Chr6.97402	Thump3(-73169),Srgap3(-25790)	N/A
Chr6	112973427	112973556	Chr6.97405	Thump3(-72733),Srgap3(-26226)	N/A
Chr6	112973861	112973995	Chr6.97410	Thump3(-72297),Srgap3(-26662)	N/A
Chr6	113012475	113012842	Chr6.97422	Srgap3(-65363),Thump3(-33566)	N/A
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Chr6	113038442	113038593	Chr6.97442	Srgap3(-91252),Thump3(-7707)	N/A
Chr6	113075970	113076203	Chr6.97483	Setd5(-1278)	N/A
Chr6	113076763	113076898	Chr6.97493	Setd5(-534)	N/A
Chr6	4431053	4431331	Chr6.975	Bel1(-344220),Col1a2(-74301)	N/A
Chr6	113077547	113077724	Chr6.97502	Setd5(+271)	N/A
Chr6	113078601	113078757	Chr6.97510	Setd5(+1314),Lhfp4(+116705)	N/A
Chr6	113079161	113079349	Chr6.97514	Setd5(+1890),Lhfp4(+116129)	N/A
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Chr6	113082272	113082637	Chr6.97526	Setd5(+5090),Lhfp4(+112928)	N/A
Chr6	113084730	113084869	Chr6.97532	Setd5(+7435),Lhfp4(+110584)	N/A
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Chr6	13837441	13837663	Chr6.9755	Bmt2(-159586),Gpr85(+2390)	N/A
Chr6	13837694	13838137	Chr6.9757	Bmt2(-159550),Gpr85(+2026)	N/A
Chr6	1131110612	1131110809	Chr6.97580	Setd5(+33346),Lhfp4(+84673)	N/A
Chr6	138382558	13838438	Chr6.9763	Bmt2(-160382),Gpr85(+1594)	N/A
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Chr6	113152342	113152487	Chr6.97691	Lhfp4(+42969),Setd5(+75050)	N/A
Chr6	113278207	113278339	Chr6.97782	Cpne9(-4034)	N/A
Chr6	113306865	113306970	Chr6.97841	Brpf(-302)	N/A
Chr6	113307484	113307600	Chr6.97848	Brpf(+318)	N/A
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Chr6	113342383	113342532	Chr6.98021	Camk1(+1526),Ogg1(+15486)	N/A
Chr6	113377796	113377901	Chr6.98061	Arpc4(-266),Tada3(+34)	N/A
Chr6	113378100	113378215	Chr6.98065	Tada3(-378),Arpc4(+43)	N/A
Chr6	113389519	113389662	Chr6.98093	Thi3(-2867)	N/A
Chr6	4432045	4432234	Chr6.982	Bel1(-345168),Col1a2(-73353)	N/A
Chr6	113458040	113458200	Chr6.98251	l17re(-364)	N/A
Chr6	113501844	113502010	Chr6.98474	Prt3(-109)	N/A
Chr6	4432263	4432377	Chr6.985	Bel1(-345348),Col1a2(-73173)	N/A
Chr6	113616607	113616723	Chr6.98667	Vhl(-7294),Brn1(+11893)	N/A
Chr6	113749337	113749462	Chr6.98856	Sec13(-8657),Alp2b(-142139)	N/A
Chr6	113751544	113751730	Chr6.98866	Sec13(-10894),Alp2b(-139902)	N/A
Chr6	113755192	113755461	Chr6.98869	Sec13(-14584),Alp2b(-136212)	N/A
Chr6	113795427	113795551	Chr6.98933	Sec13(-54746),Alp2b(-96050)	N/A
Chr6	113860868	113860888	Chr6.99018	Sec13(-120069),Alp2b(-30727)	N/A
Chr6	114094929	114094981	Chr6.99122	Alp2b(-202966),Slc6a11(-36738)	N/A
Chr6	114174449	114174691	Chr6.99196	Slc6a11(-108965),Slc6a11(+43328)	N/A
Chr6	114174810	114174996	Chr6.99200	Slc6a11(-107732),Slc6a11(+33662)	N/A
Chr6	114264170	114264344	Chr6.99283	Slc6a11(-18378),Slc6a11(+133016)	N/A
Chr6	114284009	114284144	Chr6.99296	Hnh1(-113859),Slc6a11(+1442)	N/A
Chr6	114286627	114286780	Chr6.99299	Hnh1(-111232),Slc6a11(+4069)	N/A
Chr6	114290294	114290431	Chr6.99308	Hnh1(-107573),Slc6a11(+7728)	N/A
Chr6	4437726	4437884	Chr6.994	Bel1(-350833),Col1a2(-67688)	N/A
Chr6	114714689	114714923	Chr6.99526	Atg7(+71709),Vgll4(+207015)	N/A
Chr6	114725407	114725528	Chr6.99541	Atg7(+82371),Vgll4(+196353)	N/A
Chr6	114726633	114727100	Chr6.99549	Atg7(+83770),Vgll4(+194954)	N/A
Chr6	114733796	114734150	Chr6.99558	Atg7(+80876),Vgll4(+187548)	N/A
Chr6	114734209	114734414	Chr6.99565	Atg7(+91215),Vgll4(+187509)	N/A
Chr6	114746537	114746704	Chr6.99569	Atg7(+103524),Vgll4(+175200)	N/A
Chr6	114781393	114781742	Chr6.99586	Atg7(+138471),Vgll4(+140253)	N/A
Chr6	114782696	114782807	Chr6.99593	Vgll4(+139069),Atg7(+139655)	N/A
Chr6	114803063	114804157	Chr6.99605	Vgll4(+117941),Atg7(+160783)	N/A
Chr6	114804905	114805229	Chr6.99615	Vgll4(+116754),Atg7(+161978)	N/A
Chr6	114809988	114810387	Chr6.99631	Vgll4(+111633),Atg7(+167091)	N/A
Chr6	114812506	114812923	Chr6.99637	Vgll4(+109106),Atg7(+169618)	N/A
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Chr6	114832964	114833084	Chr6.99667	Vgll4(+88807),Atg7(+189917)	N/A
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Chr6	114842279	114842274	Chr6.99679	Vgll4(+19644),Atg7(+199080)	N/A
Chr6	114842424	114842533	Chr6.99683	Vgll4(+79342),Atg7(+199382)	N/A
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Chr6	114866161	114866328	Chr6.99737	Vgll4(+55579),Atg7(+223145)	N/A
Chr6	114874946	114875156	Chr6.99741	Vgll4(+46770),Atg7(+231554)	N/A
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Chr6	114889000	114889202	Chr6.99753	Vgll4(+32720),Atg7(+246004)	N/A
Chr6	114890912	114891069	Chr6.99761	Vgll4(+30830),Atg7(+247894)	N/A
Chr6	114891747	114891864	Chr6.99764	Vgll4(+30015),Atg7(+24870)	N/A
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Chr6	114917540	114917654	Chr6.99796	Vgll4(+4224),Atg7(+274500)	N/A
Chr6	114919558	114919731	Chr6.99798	Vgll4(+2176),Atg7(+276548)	N/A
Chr6	114970003	114970119	Chr6.99828	Vgll4(+46240),Tamm41(+67815)	N/A
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Chr6	115213120	115213523	Chr6.99992	Timp4(-38527),Syn2(+78420)	N/A
Chr7	112159432	112159821	Chr7.100071	Has3a2(-132669),Otoab(+176305)	N/A
Chr7	1121313097	1121313297	Chr7.100107	Has3a2(-79099),Otoab(+229875)	N/A
Chr7	112151165	112151467	Chr7.100195	1700069607rik(-255873),Has3a2(-59020)	N/A
Chr7	1121549677	1121549876	Chr7.100292	1700069607rik(-157412),Has3a2(-157481)	N/A
Chr7	1121697711	1121697837	Chr7.100497	1700069607rik(-9415),Has3a2(+305478)	N/A
Chr7	25752054	25752219	Chr7.10074	Ccdc97(-33049),Hnmpul1(+2593)	N/A
Chr7	1122073377	1122073510	Chr7.100948	Ears2(-6181),Ndufab1(+28442)	N/A
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Chr7	112159344	112159483	Chr7.101068	Prk1(-23)	N/A
Chr7	112287322	112287422	Chr7.101268	Prkcb(-1925)	N/A
Chr7	112289099	112289201	Chr7.101277	Prkcb(-147)	N/A
Chr7	1122344798	1122344908	Chr7.101335	Cacng3(-325639),Prkcb(+55556)	N/A
Chr7	1122477824	1122477959	Chr7.101420	Cacng3(-192600),Prkcb(+188595)	N/A
Chr7	1122605879	1122606057	Chr7.101557	Cacng3(-64524),Prkcb(+316671)	N/A
Chr7	112269689	112269979	Chr7.101760	Rbbp6(-640)	N/A
Chr7	1122970468	1122970653	Chr7.101763	Rbbp6(-63)	N/A
Chr7	1123030940	1123031134	Chr7.101895	Tnrc6a(-92848),Rbbp6(+60473)	N/A
Chr7	1123031251	1123031487	Chr7.101899	Tnrc6a(-92516),Rbbp6(+60805)	N/A
Chr7	1123094173	1123094378	Chr7.101913	Tnrc6a(-96069),Rbbp6(+13712)	N/A
Chr7	1123124959	1123125276	Chr7.101923	Slc6a11(-98965),Tnrc6a(+123)	N/A
Chr7	1123130526	1123130634	Chr7.101930	Slc6a11(-84233),Tnrc6a(+6695)	N/A
Chr7	1123328044	1123328200	Chr7.102210	Athgap17(+41793),Slc6a11(+113309)	N/A
Chr7	112367753	112367944	Chr7.102222	Athgap17(+2066),Slc6a11(+153036)	N/A
Chr7	1123388787	1123389920	Chr7.102225	Athgap17(+1061),Slc6a11(+154041)	N/A
Chr7	112373880	112374184	Chr7.102376	Has3a4(-40878),Zscan2(-7363)	N/A
Chr7	1123850815	1123850985	Chr7.102496	Zscan2(-350451),Has3a4(-131969)	N/A
Chr7	1124269813	1124269951	Chr7.102837	Has3a4(+287013),Gm21957(+950004)	N/A
Chr7	1124341238	1124341387	Chr7.102882	Has3a4(+358444),Gm21957(+878573)	N/A
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Chr7	1124347789	1124347891	Chr7.102892	Has3a4(+364951),Gm21957(+872066)	N/A
Chr7	1124371790	1124371894	Chr7.102904	Has3a4(+388973),Gm21957(+848044)	N/A
Chr7	1124651965	1124652200	Chr7.103048	Gm21957(+567803),Has3a4(+666214)	N/A
Chr7	1124837651	1124837855	Chr7.103126	Gm21957(+382133),Has3a4(+854884)	N/A
Chr7	1125251210	1125251351	Chr7.103325	493053302rik(-67078),Gm21957(-31395)	N/A
Chr7	1125349616	112535168	Chr7.103382	4930571k29rik(-13819),4933440m202rik(-5270)	N/A
Chr7	1125434857	1125435132	Chr7.103430	Kdm8(-9681),4930571k29rik(+66134)	N/A
Chr7	1125720570	1125720729	Chr7.103821	D430042209rik(+12735),Gcg1l(-361761)	N/A

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Chr7	125773182	125773295	Chr7.103887	D430042o09rik(+65324),Gsg1l(+309172)	N/A
Chr7	125790672	125790789	Chr7.103892	D430042o09rik(+82021),Gsg1l(+291675)	N/A
Chr7	125819486	125819600	Chr7.103917	D430042o09rik(+110628),Gsg1l(+263866)	N/A
Chr7	125832507	125832714	Chr7.103944	D430042o09rik(+124696),Gsg1l(+249800)	N/A
Chr7	125838619	125838804	Chr7.103949	D430042o09rik(+130797),Gsg1l(+243699)	N/A
Chr7	125887388	125887501	Chr7.104070	D430042o09rik(+179530),Gsg1l(+194966)	N/A
Chr7	125887565	125887706	Chr7.104072	D430042o09rik(+179721),Gsg1l(+194775)	N/A
Chr7	125972435	125972623	Chr7.104111	Gsg1l(+108882),D430042o09rik(+264614)	N/A
Chr7	125973820	125973945	Chr7.104113	Gsg1l(+108528),D430042o09rik(+265968)	N/A
Chr7	126012630	126012730	Chr7.104133	Gsg1l(+69731),D430042o09rik(+304765)	N/A
Chr7	126012759	126012906	Chr7.104137	Gsg1l(+69578),D430042o09rik(+304918)	N/A
Chr7	126038593	126038820	Chr7.104157	Gsg1l(+43704),D430042o09rik(+330792)	N/A
Chr7	126198989	126200022	Chr7.104295	Xpo6(+452)	N/A
Chr7	126248990	126249118	Chr7.104305	Xpo6(+4846),Sbk1(-23565)	N/A
Chr7	126264143	126264250	Chr7.104313	Xpo6(-53789),Sbk1(-8422)	N/A
Chr7	126273008	126273285	Chr7.104318	Sbk1(+528)	N/A
Chr7	126287896	126288010	Chr7.104330	Sbk1(+15334),Lat(+81590)	N/A
Chr7	126416773	126416887	Chr7.104501	Cd19(-1960)	N/A
Chr7	4496355	44963578	Chr7.1046	Ppp1r12c(+323),Eps8b1(+33618)	N/A
Chr7	126459185	126459407	Chr7.104693	Atp2a1(+3812),Rabep2(+30230)	N/A
Chr7	126461146	126461293	Chr7.104703	Atp2a1(+1888),Rabep2(+32154)	N/A
Chr7	126463002	126463315	Chr7.104716	Atp2a1(-51)	N/A
Chr7	126463582	126463753	Chr7.104718	Atp2a1(-50)	N/A
Chr7	126465827	126465931	Chr7.104732	Atp2a1(-2771)	N/A
Chr7	126466999	126467194	Chr7.104734	Atp2a1(-3989)	N/A
Chr7	126467904	126468052	Chr7.104747	Atp2a1(-4870)	N/A
Chr7	126474436	126474778	Chr7.104793	Sh2b1(+523)	N/A
Chr7	126491753	126491931	Chr7.104844	Tufm(+4487),Atxn2(+11595)	N/A
Chr7	126492071	126492809	Chr7.104847	Tufm(+5085),Atxn2(+10997)	N/A
Chr7	126501932	126502103	Chr7.104897	Atxn2(+1419),Tufm(+14663)	N/A
Chr7	126502423	126502618	Chr7.104901	Atxn2(+916)	N/A
Chr7	126503651	126503814	Chr7.104910	Atxn2(-296)	N/A
Chr7	126594873	126595103	Chr7.105052	Ii27(-47)	N/A
Chr7	126702463	126702596	Chr7.105240	Slx1b(-6746),Coro1a(+1690)	N/A
Chr7	126704168	126704301	Chr7.105247	Coro1a(-15)	N/A
Chr7	126760458	126760629	Chr7.105252	Mapa3(+943)	N/A
Chr7	126781317	126781453	Chr7.105345	Gm9967(-4567),Tbx6(-98)	N/A
Chr7	126785314	126785442	Chr7.105387	Tbx6(+3895),Ppp4c(+7093)	N/A
Chr7	126800880	126801002	Chr7.105469	Aldoa(-1800)	N/A
Chr7	126807677	126807807	Chr7.105481	Fam57b(-15561),Aldoa(-8601)	N/A
Chr7	126808089	126808238	Chr7.105485	Fam57b(-15139),Aldoa(-9023)	N/A
Chr7	126823219	126823377	Chr7.105501	Fam57b(-5)	N/A
Chr7	126866506	126866612	Chr7.105640	Hrip3(+4587),Taok2(+18144)	N/A
Chr7	126866646	126866920	Chr7.105643	Hrip3(+4811),Taok2(+17920)	N/A
Chr7	126866991	126867183	Chr7.105649	Hrip3(+5115),Taok2(+17616)	N/A
Chr7	126868085	126868359	Chr7.105655	Hrip3(+6250),Taok2(+16481)	N/A
Chr7	126869339	126869623	Chr7.105662	Hrip3(+1459),Taok2(+15272)	N/A
Chr7	126881068	126881197	Chr7.105721	Taok2(+3570),Hrip3(+19161)	N/A
Chr7	126881865	126882204	Chr7.105723	Taok2(+2668),Hrip3(+20063)	N/A
Chr7	126883725	126884175	Chr7.105732	Taok2(+753)	N/A
Chr7	126884213	126884493	Chr7.105735	Taok2(+350)	N/A
Chr7	126884606	126884770	Chr7.105738	Taok2(-15)	N/A
Chr7	126922907	126923019	Chr7.105761	Tmem219(-24687),Kctd13(-5916)	N/A
Chr7	126950732	126950853	Chr7.105807	Asphd1(-1211),Saxd2(+64)	N/A
Chr7	127018518	127018686	Chr7.106073	Mvp(-3982)	N/A
Chr7	127022123	127022352	Chr7.106098	Prt2(-1027)	N/A
Chr7	127022849	127022958	Chr7.106106	Prt2(-1693)	N/A
Chr7	127027389	127027489	Chr7.106135	Maz(-960)	N/A
Chr7	127091208	127091312	Chr7.106213	A467606(-176)	N/A
Chr7	127196914	127197122	Chr7.106306	Cd2bp2(-1018)	N/A
Chr7	127197776	127197928	Chr7.106316	Cd2bp2(-1852)	N/A
Chr7	127206753	127206913	Chr7.106349	Myip(-4775),Tbc1d10b(+1635)	N/A
Chr7	127210410	127211057	Chr7.106363	Tbc1d10b(-2086),Myip(-1074)	N/A
Chr7	127225660	127222875	Chr7.106520	Cdcp1(-12009),Seph2(+1201)	N/A
Chr7	127273101	127273364	Chr7.106542	Seph2(+686)	N/A
Chr7	127273450	127273574	Chr7.106558	Seph2(+407)	N/A
Chr7	127273674	127273826	Chr7.106562	Seph2(+169)	N/A
Chr7	127448973	127449172	Chr7.106891	Zfp689(+85)	N/A
Chr7	127470887	127471118	Chr7.106898	Prr14(-42)	N/A
Chr7	127477941	127478077	Chr7.106943	Fbrs(-7212),Prr14(+6519)	N/A
Chr7	127478322	127478574	Chr7.106951	Fbrs(-6773),Prr14(+6958)	N/A
Chr7	127478985	127479131	Chr7.106956	Fbrs(-6163),Prr14(+7568)	N/A
Chr7	127490775	127490906	Chr7.107004	Srcap(-22151),Fbrs(+5620)	N/A
Chr7	127511959	127512159	Chr7.107016	Srcap(-933)	N/A
Chr7	127512319	127512482	Chr7.107019	Srcap(-591)	N/A
Chr7	127512890	127513050	Chr7.107024	Srcap(-22)	N/A
Chr7	127515935	127516203	Chr7.107034	Srcap(-43317),Srcap(+3077)	N/A
Chr7	127560816	127561085	Chr7.107177	Phkg2(-12578),Srcap(+1565)	N/A
Chr7	127561602	127561733	Chr7.107180	Phkg2(-11861),Srcap(+2282)	N/A
Chr7	127615172	127615359	Chr7.107404	Zfp629(-628)	N/A
Chr7	127705090	127705197	Chr7.107412	Zfp629(-90711),Bcl7c(+3789)	N/A
Chr7	127725896	127726075	Chr7.107463	Cf2(-370)	N/A
Chr7	127745418	127745553	Chr7.107473	Fbx119(-1289)	N/A
Chr7	127745707	127746028	Chr7.107480	Fbx119(-907)	N/A
Chr7	127746125	127746243	Chr7.107483	Fbx119(-591)	N/A
Chr7	127746952	127747242	Chr7.107488	Fbx119(-322)	N/A
Chr7	127747381	127747552	Chr7.107488	Fbx119(+692)	N/A
Chr7	127750581	127750729	Chr7.107504	Orai3(-19160),Fbx119(+3880)	N/A
Chr7	127768616	127769106	Chr7.107550	Orai3(-954)	N/A
Chr7	127769223	127769484	Chr7.107554	Orai3(-461)	N/A
Chr7	127777002	127777136	Chr7.107588	Setd1a(+399)	N/A
Chr7	127777840	127777939	Chr7.107591	Hsd3b7(-22744),Setd1a(+1220)	N/A
Chr7	127799683	127800142	Chr7.107695	Hsd3b7(-691)	N/A
Chr7	127804346	127804445	Chr7.107753	Hsd3b7(+3792),Stx1b(+20153)	N/A
Chr7	127816104	127816306	Chr7.107785	Stx1b(+8344),Hsd3b7(+15601)	N/A
Chr7	127869378	127869519	Chr7.107909	Zfp688(+7379),Stx4a(+27685)	N/A
Chr7	127875807	127875709	Chr7.107912	Zfp688(-2043),Zfp688(-1170)	N/A
Chr7	127876887	127876983	Chr7.107920	Zfp646(-771),Zfp688(-102)	N/A
Chr7	127877053	127877221	Chr7.107923	Zfp646(-564),Zfp688(-309)	N/A
Chr7	127889855	127889977	Chr7.108050	Prss53(+1054),Zfp648(+12215)	N/A
Chr7	4514556	4514687	Chr7.1081	Ppp1r12c(-12942),Tnnt1(+1353)	N/A
Chr7	127932433	127932545	Chr7.108224	Prss8(-2378)	N/A
Chr7	127946554	127946694	Chr7.108295	Prss36(+116)	N/A
Chr7	128248173	128248282	Chr7.108943	Slc5a2(-17448),Tgfb11(+1357)	N/A
Chr7	128359032	128359153	Chr7.109130	Bcl17158(-60923),Rgs10(+59080)	N/A
Chr7	128392457	128392621	Chr7.109155	Bcl17158(-94369),Rgs10(+25634)	N/A
Chr7	128461219	128461449	Chr7.109261	Tiaf1(+338)	N/A
Chr7	128523562	128523780	Chr7.109290	Bag3(+69)	N/A
Chr7	128529005	128530049	Chr7.109304	Inpp5f(-61383),Bag3(+6304)	N/A
Chr7	128537752	128537913	Chr7.109316	Inpp5f(-73527),Bag3(+14250)	N/A
Chr7	128538321	128538462	Chr7.109322	Inpp5f(-72968),Bag3(+14809)	N/A
Chr7	128549214	128549325	Chr7.109377	Inpp5f(-62090),Bag3(+25687)	N/A
Chr7	128553291	128553451	Chr7.109382	Inpp5f(-57989),Bag3(+29788)	N/A
Chr7	128622821	128622974	Chr7.109404	Inpp5f(+11538),Membp(+17597)	N/A
Chr7	128688587	128688694	Chr7.109458	Membp(+51854),Inpp5f(+77281)	N/A
Chr7	128696136	128696255	Chr7.109512	Membp(+44299),Inpp5f(+84836)	N/A
Chr7	128651927	128652044	Chr7.110179	Wdr11(+60123),Fgfr2(+614205)	N/A
Chr7	128655126	128655306	Chr7.110185	Wdr11(+63353),Fgfr2(+610975)	N/A
Chr7	128655679	128655900	Chr7.110192	Wdr11(+63927),Fgfr2(+610401)	N/A
Chr7	12866575	128666713	Chr7.110214	Wdr11(+74781),Fgfr2(+59547)	N/A
Chr7	129672334	129672471	Chr7.110221	Wdr11(+80540),Fgfr2(+593788)	N/A
Chr7	129678697	129679400	Chr7.110226	Wdr11(+87186),Fgfr2(+587142)	N/A
Chr7	129751045	129751212	Chr7.110278	Wdr11(+159266),Fgfr2(+515062)	N/A
Chr7	129751712	129751811	Chr7.110282	Wdr11(+158989),Fgfr2(+514429)	N/A
Chr7	129756369	129756554	Chr7.110287	Wdr11(+164599),Fgfr2(+509729)	N/A
Chr7	129759650	129759853	Chr7.110298	Wdr11(+167889),Fgfr2(+506439)	N/A
Chr7	129766254	129766355	Chr7.110304	Wdr11(+174442),Fgfr2(+499886)	N/A
Chr7	129778793	129778899	Chr7.110322	Wdr11(+186983),Fgfr2(+487345)	N/A
Chr7	129779004	129779422	Chr7.110326	Wdr11(+187399),Fgfr2(+486933)	N/A
Chr7	129802290	129802536	Chr7.110370	Wdr11(+210550),Fgfr2(+463778)	N/A
Chr7	129805281	129805461	Chr7.110374	Wdr11(+213505),Fgfr2(+468020)	N/A
Chr7	129810145	129810463	Chr7.110377	Wdr11(+218441),Fgfr2(+455587)	N/A
Chr7	129810631	129810758	Chr7.110384	Wdr11(+218832),Fgfr2(+455496)	N/A
Chr7	129824834	129824965	Chr7.110405	Wdr11(+233037),Fgfr2(+441291)	N/A
Chr7	129842284	129842490	Chr7.110422	Wdr11(+250574),Fgfr2(+423754)	N/A
Chr7	129877436	129877265	Chr7.110432	Wdr11(+280748),Fgfr2(+363580)	N/A
Chr7	129875621	129875744	Chr7.110434	Wdr11(+283820),Fgfr2(+380508)	N/A

Chr7	129875807	129875983	Chr7.110435	Wdr11(+284032),Fgfr2(+390296)	N/A
Chr7	129876525	129876645	Chr7.110444	Wdr11(+284722),Fgfr2(+389606)	N/A
Chr7	129894748	129894868	Chr7.110460	Wdr11(+302945),Fgfr2(+371353)	N/A
Chr7	129905062	129905161	Chr7.110466	Wdr11(+302349),Fgfr2(+371079)	N/A
Chr7	129903171	129903338	Chr7.110471	Wdr11(+311392),Fgfr2(+362936)	N/A
Chr7	129941321	129941532	Chr7.110506	Fgfr2(+324764),Wdr11(+349564)	N/A
Chr7	129944666	129944815	Chr7.110514	Fgfr2(+321450),Wdr11(+352878)	N/A
Chr7	129949487	129949674	Chr7.110517	Fgfr2(+316610),Wdr11(+357718)	N/A
Chr7	129962596	129962696	Chr7.110533	Fgfr2(+303545),Wdr11(+370783)	N/A
Chr7	129962736	129962841	Chr7.110537	Fgfr2(+303402),Wdr11(+370826)	N/A
Chr7	129964206	129964405	Chr7.110540	Fgfr2(+301885),Wdr11(+372443)	N/A
Chr7	129975693	129975962	Chr7.110550	Fgfr2(+290363),Wdr11(+383965)	N/A
Chr7	129976072	129976235	Chr7.110553	Fgfr2(+290037),Wdr11(+384291)	N/A
Chr7	129976274	129976563	Chr7.110555	Fgfr2(+289772),Wdr11(+384556)	N/A
Chr7	129983733	129984021	Chr7.110564	Fgfr2(+282314),Wdr11(+392071)	N/A
Chr7	129984297	129984588	Chr7.110567	Fgfr2(+281748),Wdr11(+392520)	N/A
Chr7	129986787	129987035	Chr7.110575	Fgfr2(+279280),Wdr11(+395048)	N/A
Chr7	129987731	129987936	Chr7.110581	Fgfr2(+278357),Wdr11(+395971)	N/A
Chr7	129991408	129991693	Chr7.110583	Fgfr2(+274640),Wdr11(+399688)	N/A
Chr7	130001092	130001292	Chr7.110599	Fgfr2(+264999),Wdr11(+409329)	N/A
Chr7	130001417	130001829	Chr7.110602	Fgfr2(+264568),Wdr11(+409760)	N/A
Chr7	130003505	130003733	Chr7.110607	Fgfr2(+262572),Wdr11(+411756)	N/A
Chr7	130005698	130005924	Chr7.110612	Fgfr2(+260380),Wdr11(+413948)	N/A
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Chr7	130012031	130012264	Chr7.110622	Fgfr2(+254043),Wdr11(+420285)	N/A
Chr7	130015242	130015533	Chr7.110628	Fgfr2(+250803),Wdr11(+423525)	N/A
Chr7	130016261	130016385	Chr7.110644	Fgfr2(+249668),Wdr11(+424460)	N/A
Chr7	130036178	130036360	Chr7.110661	Fgfr2(+229922),Wdr11(+444406)	N/A
Chr7	130036860	130037122	Chr7.110668	Fgfr2(+229200),Wdr11(+445128)	N/A
Chr7	130048115	130048228	Chr7.110682	Fgfr2(+218019),Wdr11(+456330)	N/A
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Chr7	130073955	130074350	Chr7.110732	Fgfr2(+192038),Wdr11(+482290)	N/A
Chr7	130083176	130083505	Chr7.110745	Fgfr2(+182850),Wdr11(+491478)	N/A
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Chr7	130106684	130106976	Chr7.110775	Fgfr2(+159351),Wdr11(+514987)	N/A
Chr7	130108542	130108749	Chr7.110780	Fgfr2(+157545),Wdr11(+516783)	N/A
Chr7	130108892	130109003	Chr7.110785	Fgfr2(+157243),Wdr11(+517085)	N/A
Chr7	130118737	130118876	Chr7.110804	Fgfr2(+147384),Wdr11(+526944)	N/A
Chr7	130119593	130119799	Chr7.110811	Fgfr2(+146495),Wdr11(+527833)	N/A
Chr7	130125672	130125967	Chr7.110816	Fgfr2(+136521),Wdr11(+537807)	N/A
Chr7	130143400	130143639	Chr7.110830	Fgfr2(+122571),Wdr11(+551657)	N/A
Chr7	130158837	130159003	Chr7.110844	Fgfr2(+107271),Wdr11(+567057)	N/A
Chr7	130162423	130162537	Chr7.110846	Fgfr2(+103711),Wdr11(+570617)	N/A
Chr7	130165898	130166107	Chr7.110867	Fgfr2(+100188),Wdr11(+574140)	N/A
Chr7	130166306	130166482	Chr7.110872	Fgfr2(+90797),Wdr11(+574531)	N/A
Chr7	130171415	130171521	Chr7.110891	Fgfr2(+84723),Wdr11(+579605)	N/A
Chr7	130182468	130182585	Chr7.110910	Fgfr2(+83654),Wdr11(+590654)	N/A
Chr7	130182823	130183023	Chr7.110917	Fgfr2(+83268),Wdr11(+591060)	N/A
Chr7	130183897	130184153	Chr7.110921	Fgfr2(+82166),Wdr11(+592162)	N/A
Chr7	130192977	130193099	Chr7.110942	Fgfr2(+73153),Wdr11(+601175)	N/A
Chr7	130198577	130198742	Chr7.110972	Fgfr2(+67531),Wdr11(+606797)	N/A
Chr7	130199542	130199678	Chr7.110979	Fgfr2(+66551),Wdr11(+607747)	N/A
Chr7	130199750	130199981	Chr7.110982	Fgfr2(+66325),Wdr11(+608003)	N/A
Chr7	130204696	130204982	Chr7.111005	Fgfr2(+61352),Wdr11(+612976)	N/A
Chr7	130205190	130205437	Chr7.111015	Fgfr2(+60877),Wdr11(+613451)	N/A
Chr7	130206622	130206757	Chr7.111019	Fgfr2(+59501),Wdr11(+614827)	N/A
Chr7	130207214	130207345	Chr7.111023	Fgfr2(+58917),Wdr11(+615417)	N/A
Chr7	130208849	130208960	Chr7.111030	Fgfr2(+57286),Wdr11(+617042)	N/A
Chr7	130215200	130215314	Chr7.111050	Fgfr2(+50934),Wdr11(+623394)	N/A
Chr7	130215577	130215677	Chr7.111054	Fgfr2(+50564),Wdr11(+623764)	N/A
Chr7	130215729	130216175	Chr7.111057	Fgfr2(+50239),Wdr11(+624089)	N/A
Chr7	130233954	130234080	Chr7.111110	Fgfr2(+32169),Wdr11(+642159)	N/A
Chr7	130247892	130248031	Chr7.111137	Fgfr2(+18229),Wdr11(+656099)	N/A
Chr7	130258113	130258445	Chr7.111153	Fgfr2(+7912),Wdr11(+666416)	N/A
Chr7	130258669	130258817	Chr7.111155	Fgfr2(+7448),Wdr11(+666880)	N/A
Chr7	130260883	130261041	Chr7.111160	Fgfr2(+5229),Wdr11(+669099)	N/A
Chr7	130263857	130264137	Chr7.111174	Fgfr2(+2194),Wdr11(+672134)	N/A
Chr7	130264638	130264919	Chr7.111178	Fgfr2(+1416),Wdr11(+672912)	N/A
Chr7	130265948	130266061	Chr7.111182	Fgfr2(+186)	N/A
Chr7	130268607	130268828	Chr7.111187	Fgfr2(+2527)	N/A
Chr7	130269156	130269376	Chr7.111196	Fgfr2(+3075)	N/A
Chr7	130273079	130273217	Chr7.111202	Fgfr2(+6957),Ate1(+246391)	N/A
Chr7	130320137	130320298	Chr7.111236	Fgfr2(+54027),Ate1(+199321)	N/A
Chr7	130333542	130333684	Chr7.111246	Fgfr2(+69422),Ate1(+163926)	N/A
Chr7	130340264	130340364	Chr7.111252	Fgfr2(+74123),Ate1(+179225)	N/A
Chr7	130340601	130340736	Chr7.111255	Fgfr2(+74478),Ate1(+178870)	N/A
Chr7	130367394	130367626	Chr7.111264	Fgfr2(+101319),Ate1(+152029)	N/A
Chr7	130367661	130368042	Chr7.111267	Fgfr2(+101661),Ate1(+151687)	N/A
Chr7	130368784	130368914	Chr7.111274	Fgfr2(+102708),Htra1(+150640)	N/A
Chr7	130430210	130430425	Chr7.111332	Fgfr2(+164172),Ate1(+89221)	N/A
Chr7	130455969	130456142	Chr7.111339	Fgfr2(+169865),Ate1(+63483)	N/A
Chr7	130472856	130472976	Chr7.111352	Fgfr2(+206725),Ate1(+46623)	N/A
Chr7	130476660	130476820	Chr7.111354	Fgfr2(+210549),Ate1(+42799)	N/A
Chr7	130493464	130493570	Chr7.111368	Fgfr2(+227326),Ate1(+26022)	N/A
Chr7	130552805	130553029	Chr7.111430	Tacc2(+24517),Nance4a(+5586)	N/A
Chr7	130555779	130555892	Chr7.111437	Tacc2(+21648),Nance4a(+8455)	N/A
Chr7	130628627	130628770	Chr7.111486	Tacc2(+51215),Etos1(+143953)	N/A
Chr7	130677874	130677985	Chr7.111518	Etos1(+94722),Tacc2(+100446)	N/A
Chr7	130687787	130687925	Chr7.111526	Etos1(+84796),Tacc2(+110372)	N/A
Chr7	130692459	130692564	Chr7.111532	Etos1(+80140),Tacc2(+115028)	N/A
Chr7	130692851	130692994	Chr7.111536	Etos1(+79729),Tacc2(+115434)	N/A
Chr7	130696779	130696896	Chr7.111547	Etos1(+75814),Tacc2(+119354)	N/A
Chr7	130713187	130713345	Chr7.111550	Etos1(+59386),Tacc2(+135782)	N/A
Chr7	130713939	130714069	Chr7.111556	Etos1(+58648),Tacc2(+136520)	N/A
Chr7	130764250	130764689	Chr7.111685	Etos1(+8182),Tacc2(+189898)	N/A
Chr7	130855810	130855975	Chr7.111774	Plekha1(+100717),Bdb16(+61824)	N/A
Chr7	130860028	130861164	Chr7.111779	Plekha1(+4864)	N/A
Chr7	130948983	130949145	Chr7.111895	Dmbt1(+83012),Htra1(+12861)	N/A
Chr7	130949564	130949666	Chr7.111899	Dmbt1(+82461),Htra1(+13412)	N/A
Chr7	130972835	130972937	Chr7.111930	Dmbt1(+59190),Htra1(+36683)	N/A
Chr7	130989175	130989392	Chr7.111969	Dmbt1(+46792),Htra1(+49081)	N/A
Chr7	131037830	131037963	Chr7.112003	Dmbt1(+5821),4933402n23nk(+108417)	N/A
Chr7	131408922	131409065	Chr7.112789	Acadsb(+1607),Ikt5(+1527)	N/A
Chr7	131542351	131542664	Chr7.112935	Hmx3(+359)	N/A
Chr7	131552583	131552794	Chr7.112975	Hmx2(+1373)	N/A
Chr7	131553946	131554100	Chr7.112976	Hmx2(+39)	N/A
Chr7	131570010	131570560	Chr7.113042	Bub3(+3894),Gm16477(+44703)	N/A
Chr7	131583359	131584584	Chr7.113063	Bub3(+25031),Gm16477(+29566)	N/A
Chr7	131648525	131648723	Chr7.113168	Gpr26(+317836),Gm16477(+33636)	N/A
Chr7	131649521	131649663	Chr7.113179	Gpr26(+316868),Gm16477(+34604)	N/A
Chr7	131671822	131672046	Chr7.113216	Gpr26(+294526),Gm16477(+56946)	N/A
Chr7	131708536	131708656	Chr7.113258	Gpr26(+237862),Gm16477(+93610)	N/A
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Chr7	131768465	131768808	Chr7.113335	Egln2(+1835)	N/A
Chr7	131807387	131807543	Chr7.113432	Gm16477(+192477),Gpr26(+158995)	N/A
Chr7	131846142	131846742	Chr7.113491	Gm16477(+231454),Gpr26(+120018)	N/A
Chr7	131846142	131846142	Chr7.113491	Rab4b(+34)	N/A
Chr7	132145607	132145671	Chr7.113722	Cpxm2(+9250),Gpr26(+178029)	N/A
Chr7	132284213	132284375	Chr7.113963	Cpxm2(+129555),Cstf15(+32420)	N/A
Chr7	132302949	132303089	Chr7.113978	Cpxm2(+148280),Cstf15(+13695)	N/A
Chr7	132317165	132317341	Chr7.113983	Cstf15(+539)	N/A
Chr7	132318431	132318535	Chr7.113992	Cstf15(+1769)	N/A
Chr7	132321866	132321973	Chr7.113914	Cstf15(+5206),Oat1(+254478)	N/A
Chr7	132358321	132358472	Chr7.113933	Cstf15(+39883),Oat1(+220001)	N/A
Chr7	132372634	132372814	Chr7.113946	Cstf15(+56010),Oat1(+203674)	N/A
Chr7	132637359	132637588	Chr7.114168	Lhpp(+26835),Fam53b(+176054)	N/A
Chr7	132689977	132689076	Chr7.114200	Lhpp(+78388),Fam53b(+124501)	N/A
Chr7	132712057	132712163	Chr7.114207	Fam53b(+101418),Lhpp(+101471)	N/A
Chr7	132733536	132733707	Chr7.114236	Fam53b(+79906),Lhpp(+122963)	N/A
Chr7	132754076	132754194	Chr7.114251	Fam53b(+59393),Lhpp(+143496)	N/A
Chr7	132767415	132767712	Chr7.114288	Fam53b(+45964),Lhpp(+156925)	N/A
Chr7	132786536	132786715	Chr7.114310	Fam53b(+26902),Lhpp(+175987)	N/A
Chr7	132798243	132798352	Chr7.114316	Fam53b(+15230),Lhpp(+187659)	N/A
Chr7	132808051	132808641	Chr7.114326	Fam53b(+4987),Lhpp(+197932)	N/A
Chr7	132809408	132809609	Chr7.114332	Fam53b(+4019),Lhpp(+198870)	N/A
Chr7	132809938	132810256	Chr7.114335	Fam53b(+3431),Lhpp(+199458)	N/A

Chr7	132810777	132810897	Chr7.114345	Fam53b(+2691),Lhpp(+200198)	N/A
Chr7	132812172	132812335	Chr7.114351	Fam53b(+1274),Lhpp(+201615)	N/A
Chr7	132814195	132814328	Chr7.114353	Fam53b(-734)	N/A
Chr7	132816096	132816297	Chr7.114359	Fam53b(-2659)	N/A
Chr7	132892454	132892577	Chr7.114481	Zranb1(-38626),Abraxas2(+33291)	N/A
Chr7	132984967	132985140	Chr7.114560	Ctbp2(+30194),Zranb1(+53912)	N/A
Chr7	133011718	133011906	Chr7.114635	Ctbp2(+3436),Zranb1(+80670)	N/A
Chr7	133025700	133025905	Chr7.114695	Ctbp2(-10555),Tex3b(+576312)	N/A
Chr7	133037234	133037475	Chr7.114703	Ctbp2(-22107),Tex3b(+564760)	N/A
Chr7	133039993	133040114	Chr7.114714	Ctbp2(-24806),Tex3b(+562061)	N/A
Chr7	13306657	133066758	Chr7.114746	Ctbp2(-51460),Tex3b(+535407)	N/A
Chr7	133066867	133066966	Chr7.114748	Ctbp2(-51669),Tex3b(+535198)	N/A
Chr7	133067327	133067453	Chr7.114752	Ctbp2(-52142),Tex3b(+534725)	N/A
Chr7	133090105	133090228	Chr7.114805	Ctbp2(-74919),Tex3b(+511949)	N/A
Chr7	133099693	133099899	Chr7.114810	Ctbp2(-84503),Tex3b(+502364)	N/A
Chr7	133118019	133118246	Chr7.114833	Ctbp2(-102885),Tex3b(+483982)	N/A
Chr7	133119712	133119854	Chr7.114845	Ctbp2(-104535),Tex3b(+482332)	N/A
Chr7	133120402	133120524	Chr7.114850	Ctbp2(-105215),Tex3b(+481652)	N/A
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Chr7	133120951	133121055	Chr7.114858	Ctbp2(-105749),Tex3b(+481122)	N/A
Chr7	133121278	133121453	Chr7.114861	Ctbp2(-106118),Tex3b(+480749)	N/A
Chr7	133177054	133177192	Chr7.114895	Ctbp2(-161875),Tex3b(+424992)	N/A
Chr7	133185487	133185677	Chr7.114897	Ctbp2(-170334),Tex3b(+416533)	N/A
Chr7	17223552	17225451	Chr7.11513	Snra(-29131),Ipkc(-3226)	N/A
Chr7	133440254	133440360	Chr7.115131	Ctbp2(-425059),Tex3b(+161806)	N/A
Chr7	133440708	133441228	Chr7.115138	Ctbp2(-425719),Tex3b(+161149)	N/A
Chr7	133441370	133441475	Chr7.115142	Ctbp2(-426175),Tex3b(+160692)	N/A
Chr7	133457617	133457777	Chr7.115182	Ctbp2(-442449),Tex3b(+144418)	N/A
Chr7	133457894	133458155	Chr7.115184	Ctbp2(-442777),Tex3b(+144090)	N/A
Chr7	133495375	133495521	Chr7.115207	Ctbp2(-480200),Tex3b(+106667)	N/A
Chr7	17231985	17232153	Chr7.115328	Ipkc(-3441),Coq8b(-1144)	N/A
Chr7	133608942	133609257	Chr7.115324	Edrf1(-18443),Tex3b(-6985)	N/A
Chr7	133609386	133609784	Chr7.115329	Edrf1(-27958),Tex3b(-7470)	N/A
Chr7	133627424	133627523	Chr7.115347	Tex3b(-25359),Edrf1(-10069)	N/A
Chr7	133627613	133627753	Chr7.115349	Tex3b(-25568),Edrf1(-9860)	N/A
Chr7	133933780	133933905	Chr7.115907	Fank1(+156982),Adam12(+291254)	N/A
Chr7	133976430	133976534	Chr7.115961	Fank1(+19962),Adam12(+24964)	N/A
Chr7	133976704	133976840	Chr7.115964	Fank1(+199911),Adam12(+248325)	N/A
Chr7	134026375	134026585	Chr7.116006	Adam12(+198617),Fank1(+249619)	N/A
Chr7	134028306	134028537	Chr7.116013	Adam12(+196675),Fank1(+251561)	N/A
Chr7	134031317	134031432	Chr7.116018	Adam12(+193722),Fank1(+254514)	N/A
Chr7	134114450	134114579	Chr7.116075	Adam12(+110582),Fank1(+337654)	N/A
Chr7	134162895	134162824	Chr7.116107	Adam12(+452337),Fank1(+385999)	N/A
Chr7	134207967	134208177	Chr7.116148	Adam12(+17025),Fank1(+431211)	N/A
Chr7	134227906	134228110	Chr7.116162	Adam12(-2911)	N/A
Chr7	134246702	134246806	Chr7.116180	Adam12(-21657),D7ttd443e(+118130)	N/A
Chr7	134381878	134381781	Chr7.116276	Dock1(-1288957),D7ttd443e(-16848)	N/A
Chr7	134407747	134407943	Chr7.116357	Dock1(-172849),D7ttd443e(-16848)	N/A
Chr7	134498099	134499015	Chr7.116369	Dock1(-171729),D7ttd443e(-134078)	N/A
Chr7	134676211	134676310	Chr7.116457	Dock1(+5574),Insyn2a(+262169)	N/A
Chr7	135043960	135044202	Chr7.116902	Nps(-224538),Insyn2a(-105651)	N/A
Chr7	135101590	135101691	Chr7.116956	Nps(-166978),Insyn2a(-163211)	N/A
Chr7	135592810	135592951	Chr7.117345	Ptpre(+55057),Mki67(+123498)	N/A
Chr7	135609830	135609984	Chr7.117369	Ptpre(+72035),Mki67(+106472)	N/A
Chr7	135776103	135776235	Chr7.117573	Mki67(-59790)	N/A
Chr7	135794539	135794748	Chr7.117584	Mki67(-78265)	N/A
Chr7	135794785	135794891	Chr7.117588	Mki67(-78459)	N/A
Chr7	135795153	135795557	Chr7.117593	Mki67(-78978)	N/A
Chr7	135802820	135803055	Chr7.117611	Mki67(-86659)	N/A
Chr7	135806669	135806972	Chr7.117625	Mki67(-93442)	N/A
Chr7	135811621	135811764	Chr7.117633	Mki67(-95314)	N/A
Chr7	135834117	135834235	Chr7.117666	Mki67(-117797)	N/A
Chr7	135843990	135844296	Chr7.117688	Mki67(-127764)	N/A
Chr7	135848250	135848420	Chr7.117698	Mki67(-131956)	N/A
Chr7	135854021	135854231	Chr7.117702	Mki67(-137747)	N/A
Chr7	135859908	135860065	Chr7.117709	Mki67(-143908)	N/A
Chr7	135860812	135861032	Chr7.117710	Mki67(-144543)	N/A
Chr7	135861696	135861985	Chr7.117717	Mki67(-145462)	N/A
Chr7	135863720	135863858	Chr7.117727	Mki67(-147410)	N/A
Chr7	135877457	135877717	Chr7.117747	Mki67(-161208)	N/A
Chr7	135884779	135884807	Chr7.117759	Mki67(-172164)	N/A
Chr7	135888929	135889164	Chr7.117764	Mki67(-172668)	N/A
Chr7	135900911	135901136	Chr7.117768	Mgmt(-993587),Mki67(-184645)	N/A
Chr7	135932885	135933094	Chr7.117808	Mgmt(-961621),Mki67(-216611)	N/A
Chr7	135990061	135990292	Chr7.117888	Mgmt(-904434),Mki67(-273798)	N/A
Chr7	135990398	135990554	Chr7.117894	Mgmt(-904135),Mki67(-274097)	N/A
Chr7	135996960	135997186	Chr7.117900	Mgmt(-897538),Mki67(-280694)	N/A
Chr7	136002245	136002902	Chr7.117904	Mgmt(-892037),Mki67(-286195)	N/A
Chr7	136007707	136007961	Chr7.117918	Mgmt(-886777),Mki67(-291455)	N/A
Chr7	136007991	136008508	Chr7.117919	Mgmt(-886361),Mki67(-291871)	N/A
Chr7	136022708	136022889	Chr7.117950	Mgmt(-871612),Mki67(-306420)	N/A
Chr7	136024255	136024401	Chr7.117954	Mgmt(-870283),Mki67(-307949)	N/A
Chr7	136024950	136025118	Chr7.117956	Mgmt(-869577),Mki67(-308655)	N/A
Chr7	136045263	136045430	Chr7.118005	Mgmt(-849264),Mki67(-328968)	N/A
Chr7	136046792	136046908	Chr7.118012	Mgmt(-847761),Mki67(-330471)	N/A
Chr7	136049034	136049274	Chr7.118018	Mgmt(-845457),Mki67(-332775)	N/A
Chr7	136051714	136051747	Chr7.118039	Mgmt(-837345),Mki67(-340687)	N/A
Chr7	136057855	136058002	Chr7.118044	Mgmt(-836682),Mki67(-341550)	N/A
Chr7	136058670	136059229	Chr7.118047	Mgmt(-835661),Mki67(-342571)	N/A
Chr7	136059346	136059623	Chr7.118056	Mgmt(-835126),Mki67(-343106)	N/A
Chr7	136059923	136060342	Chr7.118061	Mgmt(-834478),Mki67(-343754)	N/A
Chr7	136060676	136060873	Chr7.118068	Mgmt(-833836),Mki67(-344396)	N/A
Chr7	136064004	136064419	Chr7.118071	Mgmt(-830399),Mki67(-347833)	N/A
Chr7	136065257	136065740	Chr7.118089	Mgmt(-829112),Mki67(-349120)	N/A
Chr7	136081524	136081663	Chr7.118109	Mgmt(-813017),Mki67(-365215)	N/A
Chr7	136081770	136081949	Chr7.118111	Mgmt(-812751),Mki67(-365481)	N/A
Chr7	136088851	136089139	Chr7.118137	Mgmt(-805616),Mki67(-372616)	N/A
Chr7	136089319	136089421	Chr7.118144	Mgmt(-805241),Mki67(-372999)	N/A
Chr7	136094198	136094864	Chr7.118159	Mgmt(-800980),Mki67(-378152)	N/A
Chr7	136129137	136129243	Chr7.118207	Mgmt(-765421),Mki67(-412811)	N/A
Chr7	17331070	173311339	Chr7.11822	Ltb4(+6487),Numb1(+72480)	N/A
Chr7	136151699	136151813	Chr7.118230	Mgmt(-742855),Mki67(-435377)	N/A
Chr7	17332463	17332638	Chr7.11825	Ltb4(+5141),Numb1(+73826)	N/A
Chr7	136209461	136209659	Chr7.118302	Mgmt(-685051),Mki67(-493181)	N/A
Chr7	136209749	136209911	Chr7.118304	Mgmt(-684781),Mki67(-493451)	N/A
Chr7	136212845	136212982	Chr7.118314	Mgmt(-681697),Mki67(-496535)	N/A
Chr7	136213426	136213526	Chr7.118319	Mgmt(-681135),Mki67(-497097)	N/A
Chr7	136213634	136214310	Chr7.118323	Mgmt(-680639),Mki67(-497593)	N/A
Chr7	136219072	136219470	Chr7.118338	Mgmt(-675340),Mki67(-502692)	N/A
Chr7	136219856	136220389	Chr7.118344	Mgmt(-674488),Mki67(-503741)	N/A
Chr7	136229204	136229411	Chr7.118351	Mgmt(-665303),Mki67(-512929)	N/A
Chr7	136236485	136236914	Chr7.118367	Mgmt(-657911),Mki67(-520321)	N/A
Chr7	17339644	17339753	Chr7.11840	Ltb4(+2007)	N/A
Chr7	136314842	136315081	Chr7.118498	Mki67(-598573),Mgmt(-579659)	N/A
Chr7	136319859	136319988	Chr7.118474	Mki67(-603545),Mgmt(-574687)	N/A
Chr7	136341690	136342146	Chr7.118490	Mki67(-625539),Mgmt(-552693)	N/A
Chr7	136343227	136343364	Chr7.118495	Mki67(-626467),Mgmt(-551765)	N/A
Chr7	136343472	136343577	Chr7.118506	Mki67(-627146),Mgmt(-551086)	N/A
Chr7	136376148	136376442	Chr7.118553	Mki67(-659916),Mgmt(-518316)	N/A
Chr7	136377992	136378376	Chr7.118559	Mki67(-661805),Mgmt(-516427)	N/A
Chr7	136404039	136404197	Chr7.118565	Mki67(-667739),Mgmt(-490493)	N/A
Chr7	136405904	136406146	Chr7.118609	Mki67(-689646),Mgmt(-488586)	N/A
Chr7	136406206	136406484	Chr7.118613	Mki67(-689966),Mgmt(-488266)	N/A
Chr7	136406515	136406758	Chr7.118620	Mki67(-690258),Mgmt(-487974)	N/A
Chr7	136475736	136475916	Chr7.118719	Mki67(-759448),Mgmt(-418784)	N/A
Chr7	136480865	136480845	Chr7.118733	Mki67(-764386),Mgmt(-413946)	N/A
Chr7	136485189	136485433	Chr7.118753	Mki67(-768932),Mgmt(-409300)	N/A
Chr7	136488506	136488673	Chr7.118773	Mki67(-772211),Mgmt(-406021)	N/A
Chr7	136495333	136495817	Chr7.118796	Mki67(-779196),Mgmt(-399036)	N/A
Chr7	136496221	136496352	Chr7.118805	Mki67(-779908),Mgmt(-398324)	N/A
Chr7	136496367	136496508	Chr7.118807	Mki67(-780699),Mgmt(-398163)	N/A
Chr7	136496767	136496892	Chr7.118813	Mki67(-780451),Mgmt(-397781)	N/A
Chr7	136499404	136499627	Chr7.118819	Mki67(-783137),Mgmt(-395095)	N/A
Chr7	136499673	136499799	Chr7.118824	Mki67(-783357),Mgmt(-394875)	N/A
Chr7	136501659	136501898	Chr7.118833	Mki67(-785400),Mgmt(-392832)	N/A
Chr7	136502111	136502385	Chr7.118837	Mki67(-785869),Mgmt(-392363)	N/A
Chr7	136502468	136502910	Chr7.118843	Mki67(-786310),Mgmt(-391922)	N/A
Chr7	136503716	136503951	Chr7.118855	Mki67(-787455),Mgmt(-390777)	N/A

Chr7	136547188	136547315	Chr7.118916	Mki67(-830873),Mgmt(-347359)	N/A
Chr7	136547922	136548054	Chr7.118924	Mki67(-831609),Mgmt(-346623)	N/A
Chr7	136559515	136559807	Chr7.118935	Mki67(-843282),Mgmt(-334950)	N/A
Chr7	136585860	136585881	Chr7.118939	Mki67(-872342),Mgmt(-305390)	N/A
Chr7	136589027	136589156	Chr7.118999	Mki67(-872713),Mgmt(-305519)	N/A
Chr7	136635848	136636431	Chr7.119089	Mki67(-919761),Mgmt(-258471)	N/A
Chr7	136644943	136645087	Chr7.119108	Mki67(-928636),Mgmt(-249596)	N/A
Chr7	136645231	136645387	Chr7.119112	Mki67(-928930),Mgmt(-249302)	N/A
Chr7	136676936	136677329	Chr7.119158	Mki67(-960754),Mgmt(-217478)	N/A
Chr7	136693058	136693643	Chr7.119170	Mki67(-974122),Mgmt(-204110)	N/A
Chr7	136764629	136764766	Chr7.119259	Mgmt(-129913)	N/A
Chr7	136768982	136769106	Chr7.119269	Mgmt(-125567)	N/A
Chr7	27356382	27356484	Chr7.11927	Shkbp1(-414)	N/A
Chr7	136769237	136769484	Chr7.119272	Mgmt(-125250)	N/A
Chr7	136781487	136781648	Chr7.119303	Mgmt(-13038)	N/A
Chr7	27356795	27356901	Chr7.11931	Shkbp1(-829)	N/A
Chr7	136791078	136791177	Chr7.119310	Mgmt(-103483)	N/A
Chr7	27356964	27357165	Chr7.11933	Shkbp1(-1046)	N/A
Chr7	136823929	136824122	Chr7.119350	Mgmt(-70585)	N/A
Chr7	136825829	136826250	Chr7.119359	Mgmt(-68571)	N/A
Chr7	136840007	136840214	Chr7.119395	Mgmt(-54455)	N/A
Chr7	136842854	136842990	Chr7.119405	Mgmt(-51689)	N/A
Chr7	136844972	136845164	Chr7.119419	Mgmt(-49543)	N/A
Chr7	136845582	136845774	Chr7.119421	Mgmt(-48933)	N/A
Chr7	136845958	136846105	Chr7.119426	Mgmt(-48579)	N/A
Chr7	136846423	136846793	Chr7.119463	Mgmt(-30003)	N/A
Chr7	136871771	136871961	Chr7.119482	Mgmt(-22745)	N/A
Chr7	136888653	136888888	Chr7.119526	Mgmt(-5840)	N/A
Chr7	136948622	136948796	Chr7.119581	Mgmt(+54098),Ebf3(+365736)	N/A
Chr7	136952530	136952893	Chr7.119591	Mgmt(+58101),Ebf3(+361733)	N/A
Chr7	137012485	137012844	Chr7.119733	Mgmt(+18054),Mgmt(-301789)	N/A
Chr7	137037399	137037557	Chr7.119744	Mgmt(+142862),Ebf3(+275972)	N/A
Chr7	137040638	137041042	Chr7.119756	Mgmt(+146229),Ebf3(+273605)	N/A
Chr7	137086283	137086488	Chr7.119809	Mgmt(+191775),Ebf3(+228059)	N/A
Chr7	137102812	137103206	Chr7.119823	Mgmt(+208398),Ebf3(+211436)	N/A
Chr7	137147213	137147701	Chr7.119872	Ebf3(+166988),Mgmt(-252846)	N/A
Chr7	1371920371	1371922371	Chr7.119903	Ebf3(+122220),Mgmt(+297614)	N/A
Chr7	137206446	137206555	Chr7.119993	Ebf3(+107944),Mgmt(-311890)	N/A
Chr7	137209847	137210204	Chr7.120016	Ebf3(+104419),Mgmt(-315415)	N/A
Chr7	137211018	137211253	Chr7.120023	Ebf3(+103309),Mgmt(+316525)	N/A
Chr7	137212319	137212575	Chr7.120033	Ebf3(+101998),Mgmt(-317836)	N/A
Chr7	137212528	137213108	Chr7.120034	Ebf3(+101427),Mgmt(+318407)	N/A
Chr7	137221282	137221658	Chr7.120057	Ebf3(+92986),Mgmt(-326848)	N/A
Chr7	137222001	137222111	Chr7.120065	Ebf3(+92389),Mgmt(-327445)	N/A
Chr7	137226362	137226505	Chr7.120085	Ebf3(+88011),Mgmt(-331823)	N/A
Chr7	137227458	137227903	Chr7.120088	Ebf3(+86764),Mgmt(-333070)	N/A
Chr7	137228059	137228236	Chr7.120093	Ebf3(+86297),Mgmt(-333537)	N/A
Chr7	137228608	137229246	Chr7.120094	Ebf3(+85518),Mgmt(-334316)	N/A
Chr7	137229756	137229933	Chr7.120102	Ebf3(+84600),Mgmt(-335234)	N/A
Chr7	137241513	137241785	Chr7.120135	Ebf3(+72796),Mgmt(-347038)	N/A
Chr7	137242158	137242646	Chr7.120138	Ebf3(+72043),Mgmt(-347791)	N/A
Chr7	137242819	137243269	Chr7.120146	Ebf3(+71401),Mgmt(-348433)	N/A
Chr7	137244577	137245217	Chr7.120153	Ebf3(+69548),Mgmt(-350286)	N/A
Chr7	137245746	137245989	Chr7.120158	Ebf3(+68577),Mgmt(-351257)	N/A
Chr7	137253305	137253525	Chr7.120189	Ebf3(+61030),Mgmt(-358804)	N/A
Chr7	137254027	137254219	Chr7.120193	Ebf3(+60322),Mgmt(-359512)	N/A
Chr7	137254892	137255542	Chr7.120197	Ebf3(+59228),Mgmt(-360606)	N/A
Chr7	137255620	137255859	Chr7.120205	Ebf3(+58705),Mgmt(-361129)	N/A
Chr7	137266555	137266758	Chr7.120251	Ebf3(+47788),Mgmt(-372046)	N/A
Chr7	137268934	137269651	Chr7.120253	Ebf3(+45152),Mgmt(-374652)	N/A
Chr7	137269777	137269937	Chr7.120257	Ebf3(+44588),Mgmt(-375246)	N/A
Chr7	137294306	137294405	Chr7.120264	Ebf3(+20089),Mgmt(-399745)	N/A
Chr7	137295477	137295762	Chr7.120274	Ebf3(+18825),Mgmt(-401009)	N/A
Chr7	137297878	137298492	Chr7.120284	Ebf3(+16260),Mgmt(-403574)	N/A
Chr7	137300252	137300441	Chr7.120291	Ebf3(+14098),Mgmt(-405736)	N/A
Chr7	137300921	137301236	Chr7.120298	Ebf3(+13366),Mgmt(-406468)	N/A
Chr7	137301363	137301604	Chr7.120304	Ebf3(+12961),Mgmt(-406873)	N/A
Chr7	137302397	137302846	Chr7.120310	Ebf3(+11823),Mgmt(-408011)	N/A
Chr7	137302883	137303097	Chr7.120313	Ebf3(+11455),Mgmt(-408379)	N/A
Chr7	137303847	137303748	Chr7.120318	Ebf3(+107477),Mgmt(-409087)	N/A
Chr7	137304019	137304258	Chr7.120321	Ebf3(+10307),Mgmt(-409527)	N/A
Chr7	137304813	137305027	Chr7.120325	Ebf3(+9525),Mgmt(-410309)	N/A
Chr7	137305416	137305657	Chr7.120333	Ebf3(+8908),Mgmt(-410926)	N/A
Chr7	137306158	137306629	Chr7.120335	Ebf3(+8051),Mgmt(-411783)	N/A
Chr7	137306857	137307428	Chr7.120339	Ebf3(+7302),Mgmt(-412532)	N/A
Chr7	137307862	137308552	Chr7.120349	Ebf3(+6238),Mgmt(-413595)	N/A
Chr7	137308587	137308860	Chr7.120351	Ebf3(+5721),Mgmt(-414113)	N/A
Chr7	137311615	137311903	Chr7.120372	Ebf3(+2686),Mgmt(-417148)	N/A
Chr7	137312903	137313017	Chr7.120378	Ebf3(+1485),Mgmt(-418349)	N/A
Chr7	137315848	137316173	Chr7.120386	Ebf3(-1566)	N/A
Chr7	137316341	137316936	Chr7.120389	Ebf3(-2194)	N/A
Chr7	137317429	137317637	Chr7.120396	Ebf3(-3088)	N/A
Chr7	137320863	137321145	Chr7.120406	Ebf3(-6559),9430038/O1nk(+89758)	N/A
Chr7	137321928	137322214	Chr7.120408	Ebf3(-7626),9430038/O1nk(+88691)	N/A
Chr7	138605836	138605963	Chr7.120857	Tcerg1l(-208172),Mapk1p1(-240373)	N/A
Chr7	139330597	139330707	Chr7.121317	Inpp5a(+1542),Nkx6-2(+192138)	N/A
Chr7	139391080	139391309	Chr7.121320	Inpp5a(+2085),Nkx6-2(+191595)	N/A
Chr7	139486903	139486761	Chr7.121331	Nkx6-2(+96108),Inpp5a(+97572)	N/A
Chr7	139528776	139529033	Chr7.121411	Nkx6-2(+53885),Inpp5a(+139795)	N/A
Chr7	139530915	139531046	Chr7.121424	Nkx6-2(+51809),Inpp5a(+141871)	N/A
Chr7	139556777	139556961	Chr7.121451	Nkx6-2(+25921),Inpp5a(+167759)	N/A
Chr7	139835190	139835336	Chr7.121734	Kndc1(-59431),Adgral1(+1091)	N/A
Chr7	27474540	27474676	Chr7.12211	Sertad3(-849)	N/A
Chr7	27487222	27487357	Chr7.12238	Sertad1(+380)	N/A
Chr7	27501770	27501891	Chr7.12266	Hipk4(-21436),Prx(+2507)	N/A
Chr7	27503823	27503950	Chr7.12270	Hipk4(-19380),Prx(+4563)	N/A
Chr7	27507148	27507280	Chr7.12278	Hipk4(-16063),Prx(-7880)	N/A
Chr7	141078117	141078261	Chr7.123108	Pip3(-29)	N/A
Chr7	141221381	141221482	Chr7.123457	Phr1(-7257),Rassf7(-5572)	N/A
Chr7	141340631	141340748	Chr7.123735	Taldo1(-51509),Eps8l2(+1810)	N/A
Chr7	27532005	27532169	Chr7.12380	Hipk4(+8820),Pid3(+21131)	N/A
Chr7	141429748	141429868	Chr7.123847	Cend1(-317)	N/A
Chr7	141693563	141693781	Chr7.124485	Muc2(-2037)	N/A
Chr7	141695328	141695443	Chr7.124494	Muc2(-3800),Muc2(-317)	N/A
Chr7	141695567	141695740	Chr7.124502	Muc2(-3532),Muc2(-49)	N/A
Chr7	27581327	27581448	Chr7.12484	Akt2(-10164),2310022a10rk(+28093)	N/A
Chr7	27605664	27605816	Chr7.12500	Ttcb9b(-48175),Akt2(+14188)	N/A
Chr7	27607631	27607848	Chr7.12508	Ttcb9b(-46175),Akt2(+16188)	N/A
Chr7	27607897	27608036	Chr7.12512	Ttcb9b(-45948),Akt2(+16415)	N/A
Chr7	142411561	142411814	Chr7.125771	Tnni2(-642)	N/A
Chr7	142483391	142483519	Chr7.125799	Tnni3(-15381),Lsp1(+22646)	N/A
Chr7	142498775	142498901	Chr7.125839	Tnni3(+2)	N/A
Chr7	142558662	142558781	Chr7.125899	Mip2l2(+25710),Igf2(+100767)	N/A
Chr7	142645249	142645356	Chr7.125922	Igf2(+14186),Mip2l2(+112291)	N/A
Chr7	142646756	142646918	Chr7.125924	Igf2(-12652),Mip2l2(+13829)	N/A
Chr7	142669618	142669717	Chr7.125940	Igf2(-10179),Ins2(+10030)	N/A
Chr7	143159305	143159530	Chr7.126168	Kcnq1(+52164),Cdkn1c(+301632)	N/A
Chr7	143251210	143251385	Chr7.126204	Kcnq1(+144044),Cdkn1c(+209752)	N/A
Chr7	143251426	143251914	Chr7.126206	Kcnq1(+144416),Cdkn1c(+209380)	N/A
Chr7	143253444	143254474	Chr7.126214	Kcnq1(+147153),Cdkn1c(+206641)	N/A
Chr7	143261789	143261898	Chr7.126223	Kcnq1(+154590),Cdkn1c(+199206)	N/A
Chr7	143264002	143264186	Chr7.126225	Kcnq1(+156840),Cdkn1c(+196956)	N/A
Chr7	143265443	143265601	Chr7.126228	Kcnq1(+158268),Cdkn1c(+195528)	N/A
Chr7	143266012	143266111	Chr7.126234	Kcnq1(+158808),Cdkn1c(+194988)	N/A
Chr7	143273078	143273180	Chr7.126236	Kcnq1(+165875),Cdkn1c(+187921)	N/A
Chr7	143273223	143273344	Chr7.126239	Kcnq1(+168030),Cdkn1c(+187766)	N/A
Chr7	143305728	143305895	Chr7.126246	Cdkn1c(+155238),Kcnq1(+198558)	N/A
Chr7	143308870	143308971	Chr7.126248	Cdkn1c(+152129),Kcnq1(+201667)	N/A
Chr7	143343839	143344092	Chr7.126255	Cdkn1c(+117084),Kcnq1(+236712)	N/A
Chr7	143408609	143408798	Chr7.126275	Cdkn1c(+52346),Kcnq1(+301450)	N/A
Chr7	143428542	143428692	Chr7.126288	Cdkn1c(+32333),Kcnq1(+321463)	N/A
Chr7	143445085	143445414	Chr7.126297	Cdkn1c(+15800),Kcnq1(+337996)	N/A
Chr7	144175636	144175961	Chr7.126815	Shank2(-108586),Act1(+306620)	N/A
Chr7	144488642	144488769	Chr7.127131	Cttn(-17697),Ppfla1(+65023)	N/A
Chr7	144615892	144615992	Chr7.127341	Fadd(-33479),Ano1(+122624)	N/A
Chr7	28072751	28072854	Chr7.12740	Fgpbp(+1567),Gm10935(+29684)	N/A
Chr7	144737865	144737865	Chr7.127422	Ano1(+751)	N/A
Chr7	144823832	144823932	Chr7.127452	Fgf3(-14713),Gm10152(+60743)	N/A

Chr7	144849912	144850043	Chr7.127462	Fgf4(-11408),Fgf3(+11383)	N/A
Chr7	28072827	28073031	Chr7.127447	Fgfbp(+1743),Gm10935(+29508)	N/A
Chr7	144874682	144874795	Chr7.127489	Fgf15(-21733),Fgf4(+13353)	N/A
Chr7	144888905	144888850	Chr7.127502	Fgf15(-7759),Fgf4(+27387)	N/A
Chr7	144895208	144895481	Chr7.127508	Fgf15(-1187)	N/A
Chr7	144930381	144930507	Chr7.127545	Cand1(+9425),LTO1(+15309)	N/A
Chr7	144931272	144931458	Chr7.127551	Cand1(+8504),LTO1(+16230)	N/A
Chr7	144943198	144932119	Chr7.127554	Cand1(+7815),LTO1(+16919)	N/A
Chr7	144941613	144941801	Chr7.127591	Cand1(-1838)	N/A
Chr7	144943420	144943525	Chr7.127599	Cand1(-3604)	N/A
Chr7	144958704	144958983	Chr7.127606	Cand1(-18975),Tpcn2(+325083)	N/A
Chr7	145015591	145015748	Chr7.127614	Cand1(-75801),Tpcn2(+268257)	N/A
Chr7	145015795	145015993	Chr7.127619	Cand1(-76025),Tpcn2(+268033)	N/A
Chr7	145025475	145025593	Chr7.127625	Cand1(-85663),Tpcn2(+266393)	N/A
Chr7	145031211	145031328	Chr7.127631	Cand1(-91401),Tpcn2(+265657)	N/A
Chr7	145102971	145103111	Chr7.127634	Cand1(-163172),Tpcn2(+180886)	N/A
Chr7	145111800	145111892	Chr7.127637	Cand1(-171877),Tpcn2(+172181)	N/A
Chr7	145159447	145159643	Chr7.127657	Cand1(-219676),Tpcn2(+124382)	N/A
Chr7	145159693	145159887	Chr7.127660	Cand1(-219921),Tpcn2(+124137)	N/A
Chr7	145173313	145173825	Chr7.127675	Cand1(-233700),Tpcn2(+110358)	N/A
Chr7	145173847	145175988	Chr7.127689	Cand1(-240048),Tpcn2(+104009)	N/A
Chr7	145182500	145182610	Chr7.127695	Cand1(-242686),Tpcn2(+101372)	N/A
Chr7	145211791	145211986	Chr7.127716	Cand1(-272020),Tpcn2(+72038)	N/A
Chr7	145239270	145239393	Chr7.127732	Cand1(-299463),Tpcn2(+44595)	N/A
Chr7	28179504	28179644	Chr7.13452	Dyrk1b(+105)	N/A
Chr7	28187206	28187318	Chr7.13493	Edi2(-80616),Dyrk1b(+7793)	N/A
Chr7	28196678	28196777	Chr7.13497	Edi2(-71153),Dyrk1b(+17259)	N/A
Chr7	28302310	28302424	Chr7.13563	Di3(-129)	N/A
Chr7	28372655	28372765	Chr7.13811	Plekhg2(-477)	N/A
Chr7	28372814	28372916	Chr7.13814	Plekhg2(-632)	N/A
Chr7	28376845	28377081	Chr7.13821	Plekhg2(+4730)	N/A
Chr7	28381076	28381305	Chr7.13846	Zfp36(-1936)	N/A
Chr7	28382140	28382265	Chr7.13853	Zfp36(-2948)	N/A
Chr7	28385895	28386017	Chr7.13856	Zfp36(-6701),Med29(+6752)	N/A
Chr7	28386058	28386193	Chr7.13860	Zfp36(-6871),Med29(+6582)	N/A
Chr7	28400835	28401060	Chr7.13934	Gmfg(-36499),Paf1(+7997)	N/A
Chr7	28401583	28401732	Chr7.13940	Gmfg(-35789),Paf1(+8707)	N/A
Chr7	4653959	4654084	Chr7.1395	Tmem88b(-23540),Ppp6r1(+4928)	N/A
Chr7	28411181	28411326	Chr7.13972	Gmfg(-26193),Paf1(+18303)	N/A
Chr7	28418194	28418390	Chr7.13985	Gmfg(-19155),Paf1(+25341)	N/A
Chr7	28418482	28418680	Chr7.13988	Gmfg(-18866),Paf1(+25630)	N/A
Chr7	28588350	28588478	Chr7.14256	Nccp1(-41100),Samd4b(+9730)	N/A
Chr7	28593924	28594086	Chr7.14258	Nccp1(-46741),Samd4b(+4149)	N/A
Chr7	28598114	28598363	Chr7.14272	Samd4b(-95),Pak4(-54)	N/A
Chr7	28788898	28789031	Chr7.14547	Rini(-4)	N/A
Chr7	28815807	28816308	Chr7.14614	Ech1(-9159),Hnmp1(+7517)	N/A
Chr7	28816398	28816558	Chr7.14621	Ech1(-8734),Hnmp1(+7942)	N/A
Chr7	28816974	28817227	Chr7.14624	Ech1(-8116),Hnmp1(+8565)	N/A
Chr7	28817305	28817409	Chr7.14625	Ech1(-7815),Hnmp1(+8861)	N/A
Chr7	28817788	28817893	Chr7.14626	Ech1(-7376),Hnmp1(+9300)	N/A
Chr7	28822059	28822248	Chr7.14650	Ech1(-3063)	N/A
Chr7	28901484	28901651	Chr7.14888	Capn12(+19912),Actn4(+60772)	N/A
Chr7	28907531	28907648	Chr7.14914	Capn12(+25934),Actn4(+54750)	N/A
Chr7	28909892	28909999	Chr7.14915	Capn12(+26290),Actn4(+52394)	N/A
Chr7	28919986	28920085	Chr7.14950	Capn12(+38380),Actn4(+42304)	N/A
Chr7	28923972	28924119	Chr7.14955	Actn4(+38294),Capn12(+42390)	N/A
Chr7	28924708	28924941	Chr7.14959	Actn4(+37515),Capn12(+43169)	N/A
Chr7	28924977	28925079	Chr7.14966	Actn4(+37312),Capn12(+43372)	N/A
Chr7	28925333	28925487	Chr7.14969	Actn4(+36930),Capn12(+43754)	N/A
Chr7	28929460	28929733	Chr7.14973	Actn4(+32743),Capn12(+47941)	N/A
Chr7	28930824	28930937	Chr7.14979	Actn4(+31459),Capn12(+49225)	N/A
Chr7	28931454	28931602	Chr7.14981	Actn4(+30812),Capn12(+49872)	N/A
Chr7	28936864	28936975	Chr7.14992	Actn4(+25420),Capn12(+55264)	N/A
Chr7	28939865	28940019	Chr7.15007	Actn4(+22398),Capn12(+58286)	N/A
Chr7	28941270	28941468	Chr7.15009	Actn4(+20972),Capn12(+69712)	N/A
Chr7	28943736	28943998	Chr7.15017	Actn4(+18473),Capn12(+62211)	N/A
Chr7	28944868	28945032	Chr7.15021	Actn4(+17390),Capn12(+63294)	N/A
Chr7	28945731	28945908	Chr7.15026	Actn4(+16520),Capn12(+64164)	N/A
Chr7	28948694	28948824	Chr7.15033	Actn4(+13581),Capn12(+67103)	N/A
Chr7	28950606	28950730	Chr7.15040	Actn4(+11672),Capn12(+69012)	N/A
Chr7	28951970	28952147	Chr7.15043	Actn4(+10281),Capn12(+70453)	N/A
Chr7	28952948	28953141	Chr7.15047	Actn4(+9295),Capn12(+71389)	N/A
Chr7	28981906	28982031	Chr7.15099	Map4k1(-885),Elf3k(-155)	N/A
Chr7	29134846	29135009	Chr7.15778	Rasgrp4(-5)	N/A
Chr7	29158809	29159187	Chr7.15877	Fam98c(-2788)	N/A
Chr7	29159229	29159351	Chr7.15879	Fam98c(-3080)	N/A
Chr7	4778239	4778405	Chr7.1610	Tmem190(-4618),R11(-181)	N/A
Chr7	29291274	29291409	Chr7.16155	Dpfl(-12634),Ppp1r14a(+2022)	N/A
Chr7	29342075	29342192	Chr7.16270	Dpfl(-38158),Sipa13(+163326)	N/A
Chr7	29400895	29401019	Chr7.16417	Dpfl(+96981),Sipa13(+104503)	N/A
Chr7	29411707	29411845	Chr7.16425	Sipa13(+93864),Dpfl(+107800)	N/A
Chr7	29430963	29431205	Chr7.16430	Sipa13(+74376),Dpfl(+127108)	N/A
Chr7	29441292	29441516	Chr7.16440	Sipa13(+64056),Dpfl(+137428)	N/A
Chr7	29453260	29453399	Chr7.16446	Sipa13(+52130),Dpfl(+149354)	N/A
Chr7	29453457	29453671	Chr7.16449	Sipa13(+51896),Dpfl(+149588)	N/A
Chr7	29457856	29457964	Chr7.16452	Sipa13(+47550),Dpfl(+153934)	N/A
Chr7	29484469	29484581	Chr7.16466	Sipa13(+20975),Dpfl(+180509)	N/A
Chr7	29518256	29518405	Chr7.16490	4932431p20rk(-874)	N/A
Chr7	29518461	29518621	Chr7.16493	4932431p20rk(-664)	N/A
Chr7	29518664	29518796	Chr7.16496	4932431p20rk(-475)	N/A
Chr7	29560945	29561061	Chr7.16626	4930432e11rk(+488)	N/A
Chr7	29561091	29561219	Chr7.16631	4930432e11rk(+640)	N/A
Chr7	29561292	29561597	Chr7.16637	4930432e11rk(+930)	N/A
Chr7	30169620	30169727	Chr7.16779	Gm5113(-201),Zfp146(+53)	N/A
Chr7	30170077	30170266	Chr7.16782	Zfp146(-445),Gm5113(+297)	N/A
Chr7	30289100	30289249	Chr7.17024	Clp3(-2497)	N/A
Chr7	30291840	30291970	Chr7.17028	Clp3(-233)	N/A
Chr7	30308602	30307086	Chr7.17085	Alkbh6(-1768)	N/A
Chr7	30307404	30307699	Chr7.17093	Alkbh6(-1165)	N/A
Chr7	30308099	30308368	Chr7.17099	Alkbh6(-483)	N/A
Chr7	3304296	3304553	Chr7.172	Prkcg(+893)	N/A
Chr7	4915396	4915502	Chr7.1728	Zfp628(+232)	N/A
Chr7	30421682	30421837	Chr7.17285	Hcs1(-1906),Nfkbid(-1515)	N/A
Chr7	30457368	30457519	Chr7.17453	Npha1(-2281),Kirel2(+71)	N/A
Chr7	30457780	30457921	Chr7.17458	Npha1(-1874),Kirel2(-336)	N/A
Chr7	30458389	30458514	Chr7.17462	Npha1(-1273),Kirel2(-937)	N/A
Chr7	30515731	30515842	Chr7.17625	Arhgap33(+18393),Prodh2(+22165)	N/A
Chr7	30518748	30518907	Chr7.17634	Arhgap33(+15352),Prodh2(+25206)	N/A
Chr7	30520242	30520345	Chr7.17642	Arhgap33(+13868),Prodh2(+26672)	N/A
Chr7	30520515	30520642	Chr7.17644	Arhgap33(+13601),Prodh2(+26657)	N/A
Chr7	30520811	30520917	Chr7.17648	Arhgap33(+13316),Prodh2(+27242)	N/A
Chr7	30526862	30526965	Chr7.17699	Arhgap33(+7266),Prodh2(+33292)	N/A
Chr7	30552678	30552953	Chr7.17784	Proser3(-544),Hspb6(-452)	N/A
Chr7	30553160	30553278	Chr7.17792	Proser3(-947),Hspb6(-49)	N/A
Chr7	3305466	3305588	Chr7.179	Cacp97(-27429),Prkcg(+1994)	N/A
Chr7	30636095	30636255	Chr7.18131	Etv2(-332)	N/A
Chr7	30639172	30639317	Chr7.18136	Etv2(-3393)	N/A
Chr7	30750389	30750505	Chr7.18453	Sban(-1115)	N/A
Chr7	30763626	30763793	Chr7.18478	Dmkn(-46)	N/A
Chr7	30812047	30812165	Chr7.18539	Flr2l2(+11689),Krtap(+24201)	N/A
Chr7	30916898	30916968	Chr7.18796	Magi2(2)	N/A
Chr7	31054833	31054934	Chr7.18980	Lg4(-4458),Fxyd7(-3422),Fxyd1(+772)	N/A
Chr7	31055538	31055646	Chr7.18985	Fxyd7(-4130),Lg4(-3750),Fxyd1(+64)	N/A
Chr7	31076689	31076797	Chr7.19008	Fxyd3(-39)	N/A
Chr7	31077596	31077771	Chr7.19071	Fxyd3(-580)	N/A
Chr7	31116523	31116837	Chr7.19146	Hpn(-1290)	N/A
Chr7	31116802	31116932	Chr7.19147	Hpn(-1577)	N/A
Chr7	31128334	31128436	Chr7.19168	Scn1b(-1440)	N/A
Chr7	34109521	34109625	Chr7.19291	Scgb1b30(+14142),Wip1(+23695)	N/A
Chr7	34255179	34255315	Chr7.19494	Gm6096(+4209),4931406p16nk(+58304)	N/A
Chr7	34285621	34285776	Chr7.19530	4931406p16nk(+27852),Gm6096(+34661)	N/A
Chr7	34345541	34345738	Chr7.19662	4931406p16nk(-32089),Lsm14a(+1900)	N/A
Chr7	34462292	34462522	Chr7.19622	Lsm14a(-72867),Kctd15(+193102)	N/A
Chr7	34471012	34471350	Chr7.19628	Lsm14a(-81641),Kctd15(+184328)	N/A
Chr7	34485117	34485292	Chr7.19639	Lsm14a(-95665),Kctd15(+170304)	N/A
Chr7	34485321	34485482	Chr7.19641	Lsm14a(-95862),Kctd15(+170107)	N/A
Chr7	34486186	34486351	Chr7.19646	Lsm14a(-98729),Kctd15(+169240)	N/A
Chr7	34553244	34553471	Chr7.19674	Lsm14a(-163816),Kctd15(+102151)	N/A

Chr7	34594267	34594442	Chr7.19689	Lsm14a(-204815),Kctd15(+61154)	N/A
Chr7	34594521	34594867	Chr7.19690	Lsm14a(-205154),Kctd15(+60815)	N/A
Chr7	34596525	34597026	Chr7.19696	Lsm14a(-207236),Kctd15(+58733)	N/A
Chr7	34603358	34603681	Chr7.19702	Lsm14a(-210980),Kctd15(+54989)	N/A
Chr7	34606202	34606586	Chr7.19716	Lsm14a(-216854),Kctd15(+49115)	N/A
Chr7	34606801	34607024	Chr7.19721	Lsm14a(-217373),Kctd15(+48596)	N/A
Chr7	34610498	34610650	Chr7.19730	Lsm14a(-221034),Kctd15(+44935)	N/A
Chr7	34630129	34630301	Chr7.19732	Lsm14a(-240675),Kctd15(+25294)	N/A
Chr7	34630746	34630886	Chr7.19737	Lsm14a(-241278),Kctd15(+24693)	N/A
Chr7	34637820	34637983	Chr7.19742	Lsm14a(-246352),Kctd15(+17617)	N/A
Chr7	34648676	34648814	Chr7.19781	Lsm14a(-259205),Kctd15(+6764)	N/A
Chr7	34651122	34651270	Chr7.19793	Lsm14a(-261656),Kctd15(+4313)	N/A
Chr7	34652302	34652408	Chr7.19797	Lsm14a(-262815),Kctd15(+3154)	N/A
Chr7	34652575	34652706	Chr7.19800	Lsm14a(-263101),Kctd15(+2868)	N/A
Chr7	34652887	34653119	Chr7.19803	Lsm14a(-263463),Kctd15(+2506)	N/A
Chr7	34653433	34653561	Chr7.19807	Lsm14a(-263957),Kctd15(+2012)	N/A
Chr7	34655046	34655186	Chr7.19808	Kctd15(+393)	N/A
Chr7	34655976	34656180	Chr7.19810	Kctd15(-569)	N/A
Chr7	34680988	34681096	Chr7.19864	Kctd15(-25533),Chst8(+131644)	N/A
Chr7	34694864	34695011	Chr7.19868	Kctd15(-39439),Chst8(+117738)	N/A
Chr7	34714987	34715217	Chr7.19907	Kctd15(-59593),Chst8(+97584)	N/A
Chr7	34722145	34722287	Chr7.19917	Kctd15(-66707),Chst8(+90470)	N/A
Chr7	34753007	34753146	Chr7.19940	Kctd15(-97568),Chst8(+59609)	N/A
Chr7	34753321	34753466	Chr7.19942	Kctd15(-97885),Chst8(+59292)	N/A
Chr7	34753631	34753841	Chr7.19946	Kctd15(-98227),Chst8(+58950)	N/A
Chr7	34759421	34759610	Chr7.19956	Kctd15(-104007),Chst8(+53170)	N/A
Chr7	34764764	34765059	Chr7.19960	Kctd15(-109403),Chst8(+47774)	N/A
Chr7	34774109	34774306	Chr7.19977	Kctd15(-118699),Chst8(+38478)	N/A
Chr7	34778463	34778656	Chr7.19983	Kctd15(-123051),Chst8(+34126)	N/A
Chr7	34786272	34798374	Chr7.19986	Kctd15(-142814),Chst8(+14363)	N/A
Chr7	34796744	34798976	Chr7.19988	Sic7a10(-64336),Ceppa(+13626)	N/A
Chr7	34799079	34799233	Chr7.19992	Kctd15(-143647),Chst8(+13530)	N/A
Chr7	34800300	34800413	Chr7.19997	Kctd15(-144648),Chst8(+12329)	N/A
Chr7	34800674	34800787	Chr7.20001	Kctd15(-145222),Chst8(+11955)	N/A
Chr7	34820667	34820824	Chr7.20027	Pcpd(-91633),Chst8(-8060)	N/A
Chr7	34925048	34925184	Chr7.20102	Pcpd(+12737),Ceppa(+131387)	N/A
Chr7	34930266	34930435	Chr7.20106	Pcpd(+17972),Ceppa(+126152)	N/A
Chr7	34940003	34940168	Chr7.20122	Pcpd(+27707),Ceppa(+116417)	N/A
Chr7	34955704	34955810	Chr7.20143	Pcpd(+43378),Ceppa(+100746)	N/A
Chr7	34956925	34957219	Chr7.20145	Pcpd(+44693),Ceppa(+99431)	N/A
Chr7	34968692	34969077	Chr7.20176	Cebpg(+69518),Pcpd(+74606)	N/A
Chr7	34984751	34985158	Chr7.20183	Cebpg(+61548),Pcpd(+82576)	N/A
Chr7	34997386	34997583	Chr7.20190	Cebpg(+59018),Pcpd(+65106)	N/A
Chr7	35028296	35028429	Chr7.20223	Cebpg(+28140),Pcpd(+115984)	N/A
Chr7	35028619	35028724	Chr7.20230	Cebpg(+27831),Pcpd(+116293)	N/A
Chr7	35037576	35037687	Chr7.20250	Cebpg(+18871),Pcpd(+125253)	N/A
Chr7	35041470	35041580	Chr7.20257	Cebpg(+14978),Pcpd(+129146)	N/A
Chr7	35042861	35042992	Chr7.20262	Cebpg(+13566),Pcpd(+130558)	N/A
Chr7	35104582	3514702	Chr7.2036	Zfp54(-859),Ft1(+159)	N/A
Chr7	35120764	35120875	Chr7.20366	Sic7a10(-65565),Ceppa(+15277)	N/A
Chr7	35121281	35121413	Chr7.20367	Sic7a10(-65038),Ceppa(+2054)	N/A
Chr7	35121871	35121997	Chr7.20371	Sic7a10(-64451),Ceppa(+2641)	N/A
Chr7	35122821	35123076	Chr7.20373	Sic7a10(-64349),Ceppa(+3658)	N/A
Chr7	35123735	35123893	Chr7.20378	Sic7a10(-63571),Ceppa(+4521)	N/A
Chr7	35124239	35124400	Chr7.20382	Sic7a10(-62065),Ceppa(+5027)	N/A
Chr7	35124597	35124746	Chr7.20384	Sic7a10(-61713),Ceppa(+5379)	N/A
Chr7	35127348	35127503	Chr7.20389	Sic7a10(-58959),Ceppa(+8133)	N/A
Chr7	35130180	35130458	Chr7.20397	Sic7a10(-56068),Ceppa(+11026)	N/A
Chr7	35143836	35144062	Chr7.20410	Sic7a10(-62386),Ceppa(+24706)	N/A
Chr7	35252165	35252367	Chr7.20596	Lps3(-36860),Gpatc1(+166174)	N/A
Chr7	35340349	35340452	Chr7.20705	Rhpn2(+6226),Faap24(+56416)	N/A
Chr7	35341401	35341616	Chr7.20707	Rhpn2(+7334),Faap24(+55308)	N/A
Chr7	35342561	35342675	Chr7.20712	Rhpn2(+8443),Faap24(+54199)	N/A
Chr7	35586171	35586298	Chr7.21189	Rgs8p(-653),Ankrd27(-12)	N/A
Chr7	35680159	35680443	Chr7.21338	Pdcdf5(-41780),Dpy193(+45153)	N/A
Chr7	35685944	356869750	Chr7.21341	Pdcdf5(-42126),Dpy193(+64807)	N/A
Chr7	35710824	35710984	Chr7.21388	Pdcdf5(-63383),Dpy193(+43550)	N/A
Chr7	35733336	35733485	Chr7.21434	Pdcdf5(-105890),Dpy193(+1043)	N/A
Chr7	35790418	35790571	Chr7.21470	Dpy193(-36041),E13030402nk(-12098)	N/A
Chr7	35791041	35791147	Chr7.21473	Dpy193(-36041),E13030402nk(-11499)	N/A
Chr7	35801481	35801587	Chr7.21533	E13030402nk(-1059)	N/A
Chr7	35811062	35811164	Chr7.21546	Tshz3(-887005),Zfp507(-8124)	N/A
Chr7	35843836	35848564	Chr7.21615	Tshz3(-849638),Zfp507(-45491)	N/A
Chr7	35848608	35848838	Chr7.21618	Tshz3(-849395),Zfp507(-45734)	N/A
Chr7	35880278	35880473	Chr7.21641	Tshz3(-817742),Zfp507(-77387)	N/A
Chr7	35902037	35902308	Chr7.21677	Tshz3(-795949),Zfp507(-99189)	N/A
Chr7	35921107	35921389	Chr7.21685	Tshz3(-776870),Zfp507(-118259)	N/A
Chr7	35948368	35948878	Chr7.21708	Tshz3(-749495),Zfp507(-145634)	N/A
Chr7	35993863	35993978	Chr7.21747	Tshz3(-704197),Zfp507(-190932)	N/A
Chr7	36022722	36022840	Chr7.21766	Tshz3(-675337),Zfp507(-219792)	N/A
Chr7	5060731	5060847	Chr7.2178	U2af2(-1354)	N/A
Chr7	5061546	5061712	Chr7.2181	U2af2(-514)	N/A
Chr7	36072056	36072191	Chr7.21858	Tshz3(-625994),Zfp507(-269135)	N/A
Chr7	36077199	36077422	Chr7.21883	Tshz3(-620807),Zfp507(-27432)	N/A
Chr7	36078496	36078691	Chr7.21895	Tshz3(-619524),Zfp507(-275605)	N/A
Chr7	36090444	36090986	Chr7.21919	Tshz3(-607403),Zfp507(-287726)	N/A
Chr7	36091253	36091373	Chr7.21925	Tshz3(-606809),Zfp507(-289324)	N/A
Chr7	36095743	36096103	Chr7.21930	Tshz3(-602195),Zfp507(-292934)	N/A
Chr7	36096139	36096292	Chr7.21935	Tshz3(-601902),Zfp507(-293227)	N/A
Chr7	36101111	36101555	Chr7.21949	Tshz3(-596785),Zfp507(-298344)	N/A
Chr7	36132956	36133211	Chr7.21980	Tshz3(-565034),Zfp507(-330095)	N/A
Chr7	36133260	36133370	Chr7.21982	Tshz3(-564603),Zfp507(-330326)	N/A
Chr7	36133757	36133990	Chr7.21986	Tshz3(-564244),Zfp507(-330865)	N/A
Chr7	5068690	5068892	Chr7.199	Epn1(-11444),U2af2(+6648)	N/A
Chr7	36150790	36151156	Chr7.22019	Tshz3(-547145),Zfp507(-347984)	N/A
Chr7	36155954	36156193	Chr7.22030	Tshz3(-542044),Zfp507(-353085)	N/A
Chr7	36178079	36178299	Chr7.22045	Tshz3(-519929),Zfp507(-375200)	N/A
Chr7	36196314	36196675	Chr7.22092	Tshz3(-501623),Zfp507(-393506)	N/A
Chr7	36269010	36269310	Chr7.22153	Zfp507(-466171),Tshz3(-428958)	N/A
Chr7	36310915	36311120	Chr7.22196	Zfp507(-508029),Tshz3(-387100)	N/A
Chr7	36317098	36317388	Chr7.22204	Zfp507(-514254),Tshz3(-380875)	N/A
Chr7	36332825	36333048	Chr7.22242	Zfp507(-529948),Tshz3(-365181)	N/A
Chr7	36334986	36335094	Chr7.22252	Zfp507(-532051),Tshz3(-363078)	N/A
Chr7	36348119	36348473	Chr7.22264	Zfp507(-545307),Tshz3(-349822)	N/A
Chr7	36352636	36352779	Chr7.22267	Zfp507(-549719),Tshz3(-345410)	N/A
Chr7	36352829	36353059	Chr7.22270	Zfp507(-549955),Tshz3(-345174)	N/A
Chr7	36386204	36386364	Chr7.22300	Zfp507(-583295),Tshz3(-311834)	N/A
Chr7	36477848	36478165	Chr7.22414	Zfp507(-675018),Tshz3(-220111)	N/A
Chr7	36504471	36504700	Chr7.22461	Zfp507(-701597),Tshz3(-193532)	N/A
Chr7	36526772	36526925	Chr7.22488	Zfp507(-723869),Tshz3(-171269)	N/A
Chr7	36529457	36529651	Chr7.22493	Zfp507(-726565),Tshz3(-168564)	N/A
Chr7	36543848	36544041	Chr7.22513	Zfp507(-740956),Tshz3(-154173)	N/A
Chr7	36564626	36564813	Chr7.22592	Zfp507(-855531),Tshz3(-39598)	N/A
Chr7	36667828	36668053	Chr7.22600	Zfp507(-864952),Tshz3(-30177)	N/A
Chr7	36677595	36678832	Chr7.22610	Zfp507(-876729),Tshz3(-18404)	N/A
Chr7	36695387	36695504	Chr7.22623	Tshz3(-2672)	N/A
Chr7	36699073	36699372	Chr7.22629	Tshz3(+1105)	N/A
Chr7	36700244	36700446	Chr7.22637	Tshz3(+2227)	N/A
Chr7	36706820	36706959	Chr7.22668	Tshz3(+8772)	N/A
Chr7	36707953	36708167	Chr7.22674	Tshz3(+9942)	N/A
Chr7	36708522	36708734	Chr7.22680	Tshz3(+10510)	N/A
Chr7	36709659	36709765	Chr7.22687	Tshz3(+11594)	N/A
Chr7	36710240	36710748	Chr7.22691	Tshz3(+12376)	N/A
Chr7	36714039	36714199	Chr7.22703	Tshz3(+16001)	N/A
Chr7	36714266	36714420	Chr7.22708	Tshz3(+16225)	N/A
Chr7	36731140	36731423	Chr7.22753	Tshz3(+33164)	N/A
Chr7	36740818	36741018	Chr7.22772	Tshz3(+42800)	N/A
Chr7	36747222	36747578	Chr7.22791	Tshz3(+49282)	N/A
Chr7	36784809	36784935	Chr7.22929	Tshz3(+86754),Zfp536(+985090)	N/A
Chr7	36786973	36787273	Chr7.22942	Tshz3(+89005),Zfp536(+982839)	N/A
Chr7	36829742	36830256	Chr7.22971	Tshz3(+131891),Zfp536(+939653)	N/A
Chr7	36834930	36835063	Chr7.22975	Tshz3(+132412),Zfp536(+939432)	N/A
Chr7	36877618	36877858	Chr7.23020	Tshz3(+179620),Zfp536(+892224)	N/A
Chr7	36877922	36878093	Chr7.23025	Tshz3(+179890),Zfp536(+891954)	N/A
Chr7	36892748	36893108	Chr7.23042	Tshz3(+194810),Zfp536(+877034)	N/A
Chr7	36896939	36896981	Chr7.23043	Tshz3(+198552),Zfp536(+873292)	N/A
Chr7	36897439	36897789	Chr7.23049	Tshz3(+199498),Zfp536(+872346)	N/A
Chr7	36940782	36941197	Chr7.23113	Tshz3(+242872),Zfp536(+28972)	N/A

Chr7	36972235	36972737	Chr7.23173	Tshz3(+274368),Zfp536(+797476)	N/A
Chr7	36973705	36973837	Chr7.23183	Tshz3(+275653),Zfp536(+796191)	N/A
Chr7	36977819	36978243	Chr7.23188	Tshz3(+279913),Zfp536(+791931)	N/A
Chr7	37111080	37111302	Chr7.23304	Tshz3(+413073),Zfp536(+658711)	N/A
Chr7	37126350	37126674	Chr7.23319	Tshz3(+428394),Zfp536(+643450)	N/A
Chr7	37146690	37146879	Chr7.23340	Tshz3(+448667),Zfp536(+623177)	N/A
Chr7	37169175	37169299	Chr7.23367	Tshz3(+471119),Zfp536(+600725)	N/A
Chr7	37213173	37213448	Chr7.23437	Tshz3(+515193),Zfp536(+556651)	N/A
Chr7	37213487	37213621	Chr7.23440	Tshz3(+515426),Zfp536(+556408)	N/A
Chr7	37226117	37226223	Chr7.23465	Tshz3(+528053),Zfp536(+543792)	N/A
Chr7	37241898	37242071	Chr7.23489	Zfp536(+527977),Tshz3(+543867)	N/A
Chr7	37254555	37254662	Chr7.23496	Zfp536(+515533),Tshz3(+556491)	N/A
Chr7	37256536	37256754	Chr7.23499	Zfp536(+513317),Tshz3(+558527)	N/A
Chr7	37292312	37292446	Chr7.23519	Zfp536(+477591),Tshz3(+594263)	N/A
Chr7	37293220	37293463	Chr7.23526	Zfp536(+476610),Tshz3(+595234)	N/A
Chr7	37319074	37319175	Chr7.23579	Zfp536(+450377),Tshz3(+621007)	N/A
Chr7	37319290	37319417	Chr7.23580	Zfp536(+450608),Tshz3(+621236)	N/A
Chr7	37320257	37320501	Chr7.23589	Zfp536(+449583),Tshz3(+622261)	N/A
Chr7	37320967	37321127	Chr7.23593	Zfp536(+448915),Tshz3(+622929)	N/A
Chr7	37336194	37336436	Chr7.23612	Zfp536(+433047),Tshz3(+638197)	N/A
Chr7	37336794	37336923	Chr7.23614	Zfp536(+433103),Tshz3(+638741)	N/A
Chr7	37337017	37337379	Chr7.23616	Zfp536(+432764),Tshz3(+639080)	N/A
Chr7	37337537	37337741	Chr7.23617	Zfp536(+432323),Tshz3(+639521)	N/A
Chr7	37338057	37338298	Chr7.23620	Zfp536(+431784),Tshz3(+640060)	N/A
Chr7	37342797	37343273	Chr7.23639	Zfp536(+426927),Tshz3(+644917)	N/A
Chr7	37352456	37362607	Chr7.23673	Zfp536(+407425),Tshz3(+664191)	N/A
Chr7	37362783	37363284	Chr7.23675	Zfp536(+406928),Tshz3(+664916)	N/A
Chr7	37363582	37363760	Chr7.23679	Zfp536(+406291),Tshz3(+665553)	N/A
Chr7	37363886	37364070	Chr7.23683	Zfp536(+405984),Tshz3(+665860)	N/A
Chr7	37364278	37364557	Chr7.23685	Zfp536(+405544),Tshz3(+666300)	N/A
Chr7	37374951	37375065	Chr7.23719	Zfp536(+394954),Tshz3(+676890)	N/A
Chr7	37377985	37378108	Chr7.23728	Zfp536(+391916),Tshz3(+679028)	N/A
Chr7	37388847	37388961	Chr7.23738	Zfp536(+381058),Tshz3(+690786)	N/A
Chr7	37463668	37463904	Chr7.23833	Zfp536(+306176),Tshz3(+765666)	N/A
Chr7	37463905	37464132	Chr7.23836	Zfp536(+305898),Tshz3(+765946)	N/A
Chr7	37464177	37464507	Chr7.23837	Zfp536(+305620),Tshz3(+766224)	N/A
Chr7	37466665	37466667	Chr7.23842	Zfp536(+303346),Tshz3(+768498)	N/A
Chr7	37466851	37467042	Chr7.23847	Zfp536(+303015),Tshz3(+768829)	N/A
Chr7	37494279	37494444	Chr7.23943	Zfp536(+275600),Tshz3(+796244)	N/A
Chr7	37496550	37496670	Chr7.23953	Zfp536(+273352),Tshz3(+798492)	N/A
Chr7	37505727	37505873	Chr7.23978	Zfp536(+264162),Tshz3(+807682)	N/A
Chr7	37562701	37562890	Chr7.24089	Zfp536(+207160),Tshz3(+864678)	N/A
Chr7	37563331	37563647	Chr7.24091	Zfp536(+206473),Tshz3(+865371)	N/A
Chr7	37564042	37564372	Chr7.24096	Zfp536(+205755),Tshz3(+866089)	N/A
Chr7	37564725	37565206	Chr7.24106	Zfp536(+204996),Tshz3(+866648)	N/A
Chr7	37566273	37566438	Chr7.24112	Zfp536(+203606),Tshz3(+868238)	N/A
Chr7	37567111	37567226	Chr7.24116	Zfp536(+202793),Tshz3(+869051)	N/A
Chr7	37562942	375626072	Chr7.24253	Zfp536(+143955),Tshz3(+927398)	N/A
Chr7	37638871	37638977	Chr7.24291	Zfp536(+131038),Tshz3(+940806)	N/A
Chr7	37639746	37640195	Chr7.24294	Zfp536(+129991),Tshz3(+941853)	N/A
Chr7	37649003	37649198	Chr7.24302	Zfp536(+120861),Tshz3(+950983)	N/A
Chr7	37658745	37658889	Chr7.24316	Zfp536(+111145),Tshz3(+960699)	N/A
Chr7	37659852	37660085	Chr7.24332	Zfp536(+109993),Tshz3(+961851)	N/A
Chr7	37660616	37661083	Chr7.24337	Zfp536(+109112),Tshz3(+962394)	N/A
Chr7	37673895	37674097	Chr7.24371	Zfp536(+95966),Tshz3(+975878)	N/A
Chr7	37689213	37689454	Chr7.24395	Zfp536(+80628),Tshz3(+991216)	N/A
Chr7	37689624	37689891	Chr7.24396	Zfp536(+80159),Tshz3(+991685)	N/A
Chr7	37690396	37690852	Chr7.24400	Zfp536(+79338),Tshz3(+992506)	N/A
Chr7	37692493	37692660	Chr7.24409	Zfp536(+77285),Tshz3(+994559)	N/A
Chr7	37699229	37700210	Chr7.24420	Zfp536(+69892)	N/A
Chr7	37724542	37724673	Chr7.24462	Zfp536(+45354)	N/A
Chr7	37733058	37733225	Chr7.24472	Zfp536(+36820)	N/A
Chr7	37736546	37736746	Chr7.24480	Zfp536(+33316)	N/A
Chr7	37768426	37768637	Chr7.24575	Zfp536(+1430)	N/A
Chr7	37769880	37769869	Chr7.24585	Zfp536(+187)	N/A
Chr7	37772683	37772804	Chr7.24595	Zfp536(-2782)	N/A
Chr7	37773503	37773616	Chr7.24599	Zfp536(-3598)	N/A
Chr7	37850569	37850714	Chr7.24680	Zfp536(-80680),Utr1(+168900)	N/A
Chr7	37874461	37874631	Chr7.24705	Zfp536(-104584),Utr1(+144996)	N/A
Chr7	37898959	37898962	Chr7.24730	Zfp536(-139949),Utr1(+108631)	N/A
Chr7	37910574	37910754	Chr7.24738	Zfp536(-140702),Utr1(+108876)	N/A
Chr7	37911657	37911849	Chr7.24744	Zfp536(-141791),Utr1(+107789)	N/A
Chr7	37916374	37916510	Chr7.24748	Zfp536(-146480),Utr1(+103100)	N/A
Chr7	37916918	37917033	Chr7.24752	Zfp536(-147014),Utr1(+102566)	N/A
Chr7	37931875	37932109	Chr7.24768	Zfp536(-162030),Utr1(+87550)	N/A
Chr7	37932309	37932624	Chr7.24772	Zfp536(-163035),Utr1(+86975)	N/A
Chr7	37996040	37996175	Chr7.24876	Zfp536(-226148),Utr1(+23434)	N/A
Chr7	37997754	37997876	Chr7.24885	Zfp536(-227853),Utr1(+21727)	N/A
Chr7	38059273	38059459	Chr7.24909	Utr1(-39824),Ccn1(+48168)	N/A
Chr7	38074805	38074862	Chr7.24914	Utr1(-55192),Ccn1(+32800)	N/A
Chr7	38077895	38075146	Chr7.24918	Utr1(-55479),Ccn1(+32513)	N/A
Chr7	38120855	38121048	Chr7.24967	1600014c10rk(-62269),Ccn1(-13418)	N/A
Chr7	38126077	38126323	Chr7.24991	1600014c10rk(-57077),Ccn1(-18666)	N/A
Chr7	38130020	38130136	Chr7.24993	1600014c10rk(-53138),Ccn1(-22545)	N/A
Chr7	38130180	38130343	Chr7.24996	1600014c10rk(-52955),Ccn1(-22728)	N/A
Chr7	38140488	38140651	Chr7.25003	1600014c10rk(-42647),Ccn1(-33036)	N/A
Chr7	38174138	38174281	Chr7.25019	Ccn1(-66681),1600014c10rk(-9002)	N/A
Chr7	38251973	38252192	Chr7.25096	PlekHfr(-24089),Pcp4(+19265)	N/A
Chr7	38656492	38656615	Chr7.25147	Gm2058(+67623)	N/A
Chr7	38833049	38833173	Chr7.25262	Gm2058(+244180)	N/A
Chr7	6718690	6718865	Chr7.2534	Zim1(-22328),Peg3(+11643)	N/A
Chr7	40275132	40275258	Chr7.25369	Vstm2b(-624083),Gm2058(+686264)	N/A
Chr7	40276041	40276194	Chr7.25372	Vstm2b(-623160),Gm2058(+687187)	N/A
Chr7	40276349	40276452	Chr7.25374	Vstm2b(-622877),Gm2058(+687470)	N/A
Chr7	40392528	40392684	Chr7.25411	Vstm2b(-506672),Gm2058(+803675)	N/A
Chr7	6749230	6749410	Chr7.2544	Usp29(-211840),Peg3(-18899)	N/A
Chr7	40880872	40880795	Chr7.25558	Vstm2b(-218544)	N/A
Chr7	40885016	40885174	Chr7.25679	Vstm2b(-14183)	N/A
Chr7	43429953	43430061	Chr7.25805	Lm3(-81)	N/A
Chr7	43474184	43474316	Chr7.25938	Vsig10(+11099),Iglon5(+15825)	N/A
Chr7	43780885	43781076	Chr7.26164	Klk10(-73)	N/A
Chr7	44399533	44399655	Chr7.26725	Lrrc4b(-42891),Syf3(+15440)	N/A
Chr7	44399697	44399868	Chr7.26727	Lrrc4b(-42702),Syf3(+15629)	N/A
Chr7	44469382	44469520	Chr7.26798	Josd2(+162)	N/A
Chr7	44553598	44553710	Chr7.27187	Pold1(-4807),Nr1h2(+295)	N/A
Chr7	44603542	44603925	Chr7.27290	Kcnc3(+13070),Myh14(+61767)	N/A
Chr7	44603964	44604087	Chr7.27294	Kcnc3(+13362),Myh14(+61475)	N/A
Chr7	44604398	44604755	Chr7.27298	Kcnc3(+13913),Myh14(+60924)	N/A
Chr7	44671041	44671172	Chr7.27569	Z310016g1rk(-5858),Myh14(-5606)	N/A
Chr7	44818335	44818537	Chr7.27658	H4f1(+66),Atf5(-222),Nup62(+349)	N/A
Chr7	44819031	44819178	Chr7.27663	Atf5(-2447)	N/A
Chr7	44849930	44850081	Chr7.27859	Tbc1d17(-931),Akt1s1(-10)	N/A
Chr7	44855251	44855409	Chr7.27886	Pnkpl(-1811)	N/A
Chr7	44900382	44900606	Chr7.28086	Fuzr(+4415),Ap2a1(+29002)	N/A
Chr7	44984396	44984517	Chr7.28394	Cpl1(-9606),Prrnt1(+1963)	N/A
Chr7	44986279	44986447	Chr7.28402	Prrnt1(+57)	N/A
Chr7	45015963	45016073	Chr7.28539	Rras(-1960),Scaf1(+345)	N/A
Chr7	45016283	45016443	Chr7.28543	Rras(-1615),Scaf1(0)	N/A
Chr7	45017330	45017487	Chr7.28548	Scaf1(-1039),Rras(-579)	N/A
Chr7	45017713	45017957	Chr7.28552	Scaf1(-1472),Rras(-143)	N/A
Chr7	45059201	45059522	Chr7.28750	Nssip(-3067)	N/A
Chr7	3412063	3412224	Chr7.288	Cacng6(-12051),Cacng8(+21461)	N/A
Chr7	45093064	45093208	Chr7.28871	Rcn3(-915)	N/A
Chr7	3414834	3415007	Chr7.289	Cacng6(-9274),Cacng8(+24238)	N/A
Chr7	45167658	45167966	Chr7.29081	Sic1Ta7(+3991),Gly(+11685)	N/A
Chr7	45168198	45168310	Chr7.29084	Sic1Ta7(+4333),Gly(+11343)	N/A
Chr7	45180918	45181159	Chr7.29156	Gly(-1442),Pth2(+44)	N/A
Chr7	45185085	45185188	Chr7.29170	Pth2(+4142),Ccdc155(+19755)	N/A
Chr7	45191807	45191918	Chr7.29189	Pth2(+10868),Ccdc155(+13029)	N/A
Chr7	45196941	45197043	Chr7.29215	Ccdc155(+7900),Pth2(+15997)	N/A
Chr7	45215724	45215892	Chr7.29234	Dkl1(-3925),Twzd2(-44)	N/A
Chr7	45216473	45216578	Chr7.29238	Dkl1(-4643),Twzd2(-674)	N/A
Chr7	45339269	45339420	Chr7.29582	Hrc(+4055),Ppfa3(+27674)	N/A
Chr7	45339507	45339974	Chr7.29584	Hrc(+4451),Ppfa3(+27278)	N/A
Chr7	45367125	45367285	Chr7.29699	Ppfa3(-186)	N/A
Chr7	45367408	45367552	Chr7.29702	Ppfa3(-461)	N/A
Chr7	45378668	45378801	Chr7.29706	Ppfa3(-916)	N/A
Chr7	13035336	13035554	Chr7.2072	Chmp2a(-668)	N/A

Chr7	45381079	45381194	Chr7.29753	Lin7b(-10554),Snmp70(+14555)	N/A
Chr7	45420238	45420342	Chr7.29878	Lhb(-530)	N/A
Chr7	45434783	45434947	Chr7.29966	Gys1(+21)	N/A
Chr7	45437596	45437740	Chr7.29982	Ruvb2(+428)	N/A
Chr7	45456494	45456614	Chr7.30002	Ruvb2(-18458),Fil1(+3330)	N/A
Chr7	45466727	45466881	Chr7.30093	Bax(+94)	N/A
Chr7	45530387	45530508	Chr7.30252	Ppp1r15a(-4302),Plekha4(+4118)	N/A
Chr7	13278393	13278566	Chr7.3046	Zswim9(+241)	N/A
Chr7	45627376	45627518	Chr7.30516	Rasp1(+41)	N/A
Chr7	45639592	45639743	Chr7.30600	Mamtr1(-325)	N/A
Chr7	45685950	45686071	Chr7.30706	Ntn5(+1595),Sec1(+8391)	N/A
Chr7	45691129	45691241	Chr7.30722	Sec1(+3217),Ntn5(+6769)	N/A
Chr7	45704799	45704919	Chr7.30764	Ddp(-229)	N/A
Chr7	45705023	45705300	Chr7.30767	Ddp(+74)	N/A
Chr7	45706029	45706136	Chr7.30774	Ddp(+989)	N/A
Chr7	45710053	45710188	Chr7.30799	Rpl18(-5336),Ddp(+5033)	N/A
Chr7	45784919	45785096	Chr7.31001	Lmtk3(-372)	N/A
Chr7	45787631	45787760	Chr7.31014	Lmtk3(+2316),Cyth2(+26615)	N/A
Chr7	45869213	45869343	Chr7.31289	Kdelr1(-3494),Grin2d(-2149)	N/A
Chr7	45869915	45870054	Chr7.31294	Grin2d(-2858),Kdelr1(-2787)	N/A
Chr7	46227655	46227757	Chr7.32111	Abcc8(-47673),Ush1c(+10797)	N/A
Chr7	46227907	46228088	Chr7.32116	Abcc8(-47965),Ush1c(+10505)	N/A
Chr7	46313544	46313776	Chr7.32416	Myod1(-62814),Otog(+72673)	N/A
Chr7	46314720	46314859	Chr7.32418	Myod1(-61684),Otog(+73803)	N/A
Chr7	46316971	46317353	Chr7.32424	Myod1(-59312),Otog(+76175)	N/A
Chr7	46339807	46339978	Chr7.32446	Myod1(-36581),Otog(+98906)	N/A
Chr7	46421932	46422110	Chr7.32553	Kcnc1(+24373),Sergef(+217786)	N/A
Chr7	46449338	46449469	Chr7.32651	Kcnc1(+51756),Sergef(+190403)	N/A
Chr7	46466534	46466825	Chr7.32674	Kcnc1(+69032),Sergef(+173127)	N/A
Chr7	46482150	46482266	Chr7.32686	Kcnc1(+84560),Sergef(+157599)	N/A
Chr7	46483125	46483264	Chr7.32691	Kcnc1(+65547),Sergef(+156612)	N/A
Chr7	46532684	46532863	Chr7.32726	Sergef(+107033),Kcnc1(+135126)	N/A
Chr7	46535547	46535817	Chr7.32736	Sergef(+104125),Kcnc1(+138034)	N/A
Chr7	46554088	46554285	Chr7.32756	Sergef(+85620),Kcnc1(+156539)	N/A
Chr7	46555880	46555992	Chr7.32759	Sergef(+83871),Kcnc1(+158288)	N/A
Chr7	46556597	46556772	Chr7.32764	Sergef(+83122),Kcnc1(+159037)	N/A
Chr7	46572827	46572827	Chr7.32786	Sergef(+67029),Kcnc1(+175130)	N/A
Chr7	46587205	46587676	Chr7.32802	Sergef(+52366),Kcnc1(+189793)	N/A
Chr7	46603182	46603353	Chr7.32834	Sergef(+36539),Kcnc1(+205620)	N/A
Chr7	46611983	46612248	Chr7.32855	Sergef(+27691),Kcnc1(+214468)	N/A
Chr7	46612725	46612845	Chr7.32857	Sergef(+27022),Kcnc1(+215137)	N/A
Chr7	46795987	46796164	Chr7.33093	Hps2(-49),GrZh1(-27)	N/A
Chr7	46827553	46827721	Chr7.33145	Ldha(-19494),GrZh1(+31534)	N/A
Chr7	46846559	46846659	Chr7.33157	Ldha(-522)	N/A
Chr7	46993104	46993216	Chr7.33318	Uevld(-34634),Spty2d1(+15250)	N/A
Chr7	47000831	47000953	Chr7.33358	Uevld(-42365),Spty2d1(+7519)	N/A
Chr7	47002058	47002184	Chr7.33361	Uevld(-43594),Spty2d1(+62590)	N/A
Chr7	47069071	47069200	Chr7.33469	Tmem84a(-15496),Pip5i(-65581)	N/A
Chr7	48958930	48959087	Chr7.34196	Nav2(-287180),E2f8(-77948)	N/A
Chr7	48960436	48960551	Chr7.34199	Nav2(-285695),E2f8(-79453)	N/A
Chr7	48963872	48964049	Chr7.34220	Nav2(-282228),E2f8(-82920)	N/A
Chr7	48965688	48965893	Chr7.34239	Nav2(-280398),E2f8(-84750)	N/A
Chr7	48966226	48966428	Chr7.34246	Nav2(-279853),E2f8(-85285)	N/A
Chr7	48995179	48995347	Chr7.34307	Nav2(-260626),E2f8(-114223)	N/A
Chr7	49006820	49006950	Chr7.34321	Nav2(-239304),E2f8(-125844)	N/A
Chr7	49041521	49041646	Chr7.34374	Nav2(-204605),E2f8(-160543)	N/A
Chr7	49071195	49071322	Chr7.34437	E2f8(-190218),Nav2(-174930)	N/A
Chr7	49104370	49104746	Chr7.34482	E2f8(-223517),Nav2(-146131)	N/A
Chr7	49105678	49105820	Chr7.34480	E2f8(-224708),Nav2(-140440)	N/A
Chr7	49145823	49145997	Chr7.34512	E2f8(-264689),Nav2(-100279)	N/A
Chr7	49146177	49146411	Chr7.34516	E2f8(-265253),Nav2(-99895)	N/A
Chr7	49159010	49159340	Chr7.34523	E2f8(-278134),Nav2(-87014)	N/A
Chr7	49162043	49162163	Chr7.34530	E2f8(-281062),Nav2(-84086)	N/A
Chr7	49175972	49176099	Chr7.34549	E2f8(-294995),Nav2(-70153)	N/A
Chr7	49176143	49176248	Chr7.34552	E2f8(-295155),Nav2(-69993)	N/A
Chr7	49219491	49219606	Chr7.34603	E2f8(-338508),Nav2(-26640)	N/A
Chr7	49235332	49235499	Chr7.34635	E2f8(-354375),Nav2(-10773)	N/A
Chr7	49248191	49248503	Chr7.34656	Nav2(+2158),Dbx1(+388502)	N/A
Chr7	49251373	49251620	Chr7.34666	Nav2(+5308),Dbx1(+385352)	N/A
Chr7	49258076	49258356	Chr7.34681	Nav2(+22028),Dbx1(+378632)	N/A
Chr7	49262111	49262505	Chr7.34692	Nav2(+16119),Dbx1(+374541)	N/A
Chr7	49267577	49267761	Chr7.34704	Nav2(+21480),Dbx1(+369180)	N/A
Chr7	49285611	49285717	Chr7.34731	Nav2(+39475),Dbx1(+351185)	N/A
Chr7	49318229	49318511	Chr7.34787	Nav2(+72181),Dbx1(+318479)	N/A
Chr7	49321402	49321519	Chr7.34792	Nav2(+75272),Dbx1(+315388)	N/A
Chr7	49327609	49327776	Chr7.34797	Nav2(+81504),Dbx1(+309156)	N/A
Chr7	49331960	49332156	Chr7.34802	Nav2(+85869),Dbx1(+304791)	N/A
Chr7	49337008	49337164	Chr7.34817	Nav2(+90897),Dbx1(+299763)	N/A
Chr7	49341074	49341432	Chr7.34828	Nav2(+95064),Dbx1(+295596)	N/A
Chr7	49361823	49361965	Chr7.34855	Nav2(+115705),Dbx1(+274955)	N/A
Chr7	49373389	49373567	Chr7.34871	Nav2(+127289),Dbx1(+263371)	N/A
Chr7	49393347	49393545	Chr7.34905	Nav2(+147257),Dbx1(+243403)	N/A
Chr7	16103840	16103980	Chr7.3491	Kctd(-15985),Napa(+5452)	N/A
Chr7	49414267	49414397	Chr7.34942	Nav2(+168143),Dbx1(+222517)	N/A
Chr7	49418943	49419292	Chr7.34947	Nav2(+172929),Dbx1(+217731)	N/A
Chr7	49419400	49419508	Chr7.34951	Nav2(+173265),Dbx1(+217395)	N/A
Chr7	49438142	49438254	Chr7.34973	Nav2(+192009),Dbx1(+198651)	N/A
Chr7	49444595	49444695	Chr7.34992	Dbx1(+192204),Nav2(+198456)	N/A
Chr7	49450369	49450523	Chr7.35001	Dbx1(+186403),Nav2(+204257)	N/A
Chr7	49450558	49450668	Chr7.35004	Dbx1(+186236),Nav2(+204424)	N/A
Chr7	49450705	49450889	Chr7.35006	Dbx1(+186052),Nav2(+204608)	N/A
Chr7	49469551	49469665	Chr7.35076	Dbx1(+167241),Nav2(+223419)	N/A
Chr7	49481090	49481290	Chr7.35086	Dbx1(+155646),Nav2(+234986)	N/A
Chr7	49485555	49485708	Chr7.35089	Dbx1(+151217),Nav2(+239443)	N/A
Chr7	49504736	49504916	Chr7.35122	Dbx1(+132023),Nav2(+258637)	N/A
Chr7	49504969	49505069	Chr7.35126	Dbx1(+131830),Nav2(+258830)	N/A
Chr7	49512273	49512444	Chr7.35141	Dbx1(+124490),Nav2(+266170)	N/A
Chr7	49521964	49522170	Chr7.35155	Dbx1(+114787),Nav2(+275893)	N/A
Chr7	49522597	49522776	Chr7.35161	Dbx1(+114162),Nav2(+276496)	N/A
Chr7	49525696	49525901	Chr7.35170	Dbx1(+111050),Nav2(+279610)	N/A
Chr7	49527603	49527703	Chr7.35176	Dbx1(+109196),Nav2(+281464)	N/A
Chr7	49553437	49553547	Chr7.35252	Dbx1(+83357),Nav2(+307303)	N/A
Chr7	49558301	49558567	Chr7.35262	Dbx1(+78415),Nav2(+312245)	N/A
Chr7	49560453	49560555	Chr7.35293	Dbx1(+76345),Nav2(+314315)	N/A
Chr7	49567624	49567840	Chr7.35306	Dbx1(+69117),Nav2(+321543)	N/A
Chr7	49579577	49579719	Chr7.35340	Dbx1(+57201),Nav2(+333459)	N/A
Chr7	49635098	49635334	Chr7.35461	Dbx1(+1633),Nav2(+389027)	N/A
Chr7	49636838	49637105	Chr7.35477	Dbx1(-123)	N/A
Chr7	49654638	49654908	Chr7.35504	Htatp2(-104333),Dbx1(-17924)	N/A
Chr7	49699037	49699414	Chr7.35564	Dbx1(-62377),Htatp2(-59680)	N/A
Chr7	49741776	49742238	Chr7.35617	Dbx1(-105158),Htatp2(-17099)	N/A
Chr7	49842557	49842696	Chr7.35748	Slc6a5(-67519),Pmt3(+64281)	N/A
Chr7	49842874	49843009	Chr7.35749	Slc6a5(-67204),Pmt3(+64596)	N/A
Chr7	49843063	49843192	Chr7.35751	Slc6a5(-67078),Pmt3(+64782)	N/A
Chr7	49923304	49923527	Chr7.35859	Neil1(+51448),Slc6a5(+13270)	N/A
Chr7	50210840	50211192	Chr7.36173	4933405020rk(-388174),Neil1(+236152)	N/A
Chr7	50220647	50220750	Chr7.36201	4933405020rk(-378491),Neil1(+245835)	N/A
Chr7	50314290	50314513	Chr7.36300	4933405020rk(-284788),Neil1(+339538)	N/A
Chr7	50474878	50475043	Chr7.36491	4933405020rk(-124229),Neil1(+500097)	N/A
Chr7	51062795	51062975	Chr7.36929	Anos1(-418144),4933405020rk(+493695)	N/A
Chr7	51621967	51622070	Chr7.37258	Slc17a6(-189)	N/A
Chr7	51622311	51622462	Chr7.37261	Slc17a6(-557)	N/A
Chr7	51709856	51710091	Chr7.37369	Slc17a6(+88144),Fancf(+152293)	N/A
Chr7	51749748	51749888	Chr7.37400	Fancf(+112459),Slc17a6(+129798)	N/A
Chr7	51754268	51754689	Chr7.37412	Fancf(+107788),Slc17a6(+132649)	N/A
Chr7	51759823	51760107	Chr7.37421	Fancf(+102302),Slc17a6(+138135)	N/A
Chr7	51784210	51784380	Chr7.37452	Fancf(+77972),Slc17a6(+162465)	N/A
Chr7	51784414	51784572	Chr7.37457	Fancf(+77774),Slc17a6(+162663)	N/A
Chr7	51832032	51832293	Chr7.37499	Fancf(+30104),Slc17a6(+210333)	N/A
Chr7	51832813	51832926	Chr7.37507	Fancf(+29397),Slc17a6(+211040)	N/A
Chr7	51850087	51855245	Chr7.37517	Fancf(+7101),Slc17a6(+233336)	N/A
Chr7	51880355	51880516	Chr7.37569	Gas2(+1386),Svip(+25582)	N/A
Chr7	51894573	51894672	Chr7.37593	Gas2(+15573),Svip(+111395)	N/A
Chr7	51913868	51914101	Chr7.37602	Gas2(+34935),Svip(+92033)	N/A
Chr7	51914251	51914350	Chr7.37605	Gas2(+35251),Svip(+91717)	N/A
Chr7	51928913	51929088	Chr7.37619	Gas2(+49951),Svip(+77017)	N/A
Chr7	51929120	51929449	Chr7.37622	Gas2(+45023),Svip(+76733)	N/A
Chr7	51941128	51941353	Chr7.37632	Gas2(+62191),Svip(+64777)	N/A

Chr7	51969342	51969452	Chr7.37672	Svip(+36621), Gas2(+90347)	N/A
Chr7	51982590	51982761	Chr7.37691	Svip(+23342), Gas2(+103626)	N/A
Chr7	57591252	57591360	Chr7.38728	Gabb3(+144)	N/A
Chr7	58711759	58711928	Chr7.38940	Uba3a(+51698), Asp10a(+53642)	N/A
Chr7	58787650	58788089	Chr7.38976	Uba3a(+440782), Alp10a(+129768)	N/A
Chr7	62261803	62261966	Chr7.39186	Ndn(-86392)	N/A
Chr7	62278223	62278459	Chr7.39198	Ndn(-69936)	N/A
Chr7	62278572	62278735	Chr7.39201	Ndn(-69623)	N/A
Chr7	63755271	63755375	Chr7.39416	E03001Bb13nk(-161534), Olud7a(+310572)	N/A
Chr7	63889362	63889462	Chr7.39442	E03001Bb13nk(-27450), Olud7a(+444656)	N/A
Chr7	63912013	63912188	Chr7.39475	E03001Bb13nk(-4756)	N/A
Chr7	63938891	63938996	Chr7.39488	Klf13(-29)	N/A
Chr7	63986570	63986775	Chr7.39493	Trpm1(-167162), Klf13(-47758)	N/A
Chr7	64033171	64033351	Chr7.39499	Trpm1(-120574), Klf13(-94346)	N/A
Chr7	64043299	64043468	Chr7.39504	Trpm1(-110452), Klf13(-104468)	N/A
Chr7	64050763	64050928	Chr7.39509	Klf13(-111931), Trpm1(-102989)	N/A
Chr7	64249929	64250029	Chr7.39658	Mtmr10(-37691), Trpm1(+96144)	N/A
Chr7	16286699	16286858	Chr7.3982	Ccdc9(+11)	N/A
Chr7	16294975	16295152	Chr7.3987	Bbc3(-14552), Ccdc9(-8274)	N/A
Chr7	163117529	16311781	Chr7.3993	Bbc3(+8139), Sae1(+70042)	N/A
Chr7	16329228	16329393	Chr7.4004	Bbc3(+1969), Sae1(+55496)	N/A
Chr7	64841096	64841205	Chr7.40182	Nmnce3(+31846), Apba2(+339445)	N/A
Chr7	16344584	16344778	Chr7.4030	Bbc3(+35065), Sae1(+43116)	N/A
Chr7	16364434	16364654	Chr7.4045	Sae1(+23253), Bbc3(+54928)	N/A
Chr7	65417242	65417423	Chr7.40458	Tarsal2(-227565), Tjp1(-46094)	N/A
Chr7	65456153	65456276	Chr7.40470	Tarsal2(-188683), Tjp1(-84916)	N/A
Chr7	16365178	16365703	Chr7.4051	Sae1(+22356), Bbc3(+55825)	N/A
Chr7	65635651	65635752	Chr7.40519	Tjp1(-264463), Tarsal2(-9196)	N/A
Chr7	65803788	65803888	Chr7.40635	Pcsk6(-58191), Tm2d3(+112669)	N/A
Chr7	65871280	65871453	Chr7.40664	Srnpa1(-188971), Pcsk6(+9338)	N/A
Chr7	65881733	65881946	Chr7.40670	Srnpa1(-178547), Pcsk6(+19762)	N/A
Chr7	65914627	65914845	Chr7.40709	Srnpa1(-145602), Pcsk6(+24387)	N/A
Chr7	65915054	65915209	Chr7.40714	Srnpa1(-145206), Pcsk6(+53103)	N/A
Chr7	65955892	65956016	Chr7.40756	Srnpa1(-104384), Pcsk6(+93925)	N/A
Chr7	65979097	65979220	Chr7.40810	Srnpa1(-81179), Pcsk6(+117130)	N/A
Chr7	16400621	16400733	Chr7.4087	Zc3h4(-519)	N/A
Chr7	16402550	16403001	Chr7.4095	Tmem160(-50003), Zc3h4(+1580)	N/A
Chr7	16403055	16403157	Chr7.4098	Tmem160(-49673), Zc3h4(+1910)	N/A
Chr7	3644829	3645128	Chr7.410	Cnot3(-373)	N/A
Chr7	16403187	16403415	Chr7.4100	Tmem160(-49478), Zc3h4(+2105)	N/A
Chr7	16403470	16403587	Chr7.4103	Tmem160(-49250), Zc3h4(+2333)	N/A
Chr7	66230854	66230960	Chr7.41093	Gm10974(-134998), Chsy1(+121392)	N/A
Chr7	66230995	66231100	Chr7.41096	Gm10974(-134857), Chsy1(+121523)	N/A
Chr7	16411399	16411566	Chr7.4116	Tmem160(-41296), Zc3h4(+10287)	N/A
Chr7	16411724	16411894	Chr7.4119	Tmem160(-40970), Zc3h4(+10613)	N/A
Chr7	16413093	16413249	Chr7.4122	Tmem160(-39608), Zc3h4(+11975)	N/A
Chr7	66309919	66310031	Chr7.41317	Gm10974(-55930), Chsy1(+200460)	N/A
Chr7	66404562	66404716	Chr7.41395	Lrk1(-16284), Aldh1a3(+2388)	N/A
Chr7	66417021	66417182	Chr7.41456	Lrk1(-28752), Aldh1a3(+10415)	N/A
Chr7	66423946	66424116	Chr7.41483	Lrk1(-35681), Aldh1a3(+3486)	N/A
Chr7	66424164	66424283	Chr7.41487	Lrk1(-35874), Aldh1a3(+3293)	N/A
Chr7	66439192	66439301	Chr7.41501	Aldh1a3(-11730), Asb7(+250349)	N/A
Chr7	66439369	66439505	Chr7.41505	Aldh1a3(-11920), Asb7(+250159)	N/A
Chr7	66445166	66445291	Chr7.41519	Aldh1a3(-17712), Asb7(+24303)	N/A
Chr7	66445515	66445799	Chr7.41525	Aldh1a3(-16140), Asb7(+243930)	N/A
Chr7	66445919	66446054	Chr7.41528	Aldh1a3(-18470), Asb7(+243609)	N/A
Chr7	66450091	66450362	Chr7.41535	Aldh1a3(-22710), Asb7(+239369)	N/A
Chr7	66452092	66452279	Chr7.41540	Aldh1a3(-24689), Asb7(+237410)	N/A
Chr7	66454324	66454525	Chr7.41542	Aldh1a3(-26889), Asb7(+235181)	N/A
Chr7	66459186	66459500	Chr7.41551	Aldh1a3(-31825), Asb7(+230253)	N/A
Chr7	66503901	66504040	Chr7.41584	Aldh1a3(-76454), Asb7(+185625)	N/A
Chr7	66545279	66545379	Chr7.41610	Aldh1a3(-117812), Asb7(+144267)	N/A
Chr7	66545901	66546087	Chr7.41616	Aldh1a3(-118467), Asb7(+143612)	N/A
Chr7	66546129	66546233	Chr7.41619	Aldh1a3(-118684), Asb7(+1743415)	N/A
Chr7	66606900	66607010	Chr7.41685	Aldh1a3(-23138), Asb7(+28941)	N/A
Chr7	66688443	66688568	Chr7.41698	Lins1(-1388), Asb7(+1090)	N/A
Chr7	66689081	66689229	Chr7.41703	Lins1(-739), Asb7(+441)	N/A
Chr7	66689285	66689404	Chr7.41705	Lins1(-549), Asb7(+251)	N/A
Chr7	66689488	66689622	Chr7.41707	Lins1(-339), Asb7(+41)	N/A
Chr7	66689685	66689795	Chr7.41708	Lins1(-154), Asb7(+144)	N/A
Chr7	66689840	66689955	Chr7.41712	Asb7(-302), Lins1(+4)	N/A
Chr7	66743493	66743667	Chr7.41775	Cers3(+76)	N/A
Chr7	66799020	66799141	Chr7.41844	Adams17(-40654), Cers3(+55577)	N/A
Chr7	66812720	66812978	Chr7.41850	Adams17(-26886), Cers3(+69345)	N/A
Chr7	66839632	66839758	Chr7.41860	Adams17(-740)	N/A
Chr7	66841850	66842081	Chr7.41871	Lysmd4(-380650), Adams17(+2231)	N/A
Chr7	66867641	66867807	Chr7.41882	Lysmd4(-354892), Adams17(+27989)	N/A
Chr7	66876493	66876614	Chr7.41892	Lysmd4(-346062), Adams17(+36819)	N/A
Chr7	66954440	66954624	Chr7.41942	Lysmd4(-268084), Adams17(+114797)	N/A
Chr7	66971183	66971290	Chr7.41963	Lysmd4(-251379), Adams17(+131502)	N/A
Chr7	67044466	67044614	Chr7.42035	Lysmd4(-178076), Adams17(+204805)	N/A
Chr7	67064987	67064984	Chr7.42057	Lysmd4(-157395), Adams17(+225086)	N/A
Chr7	67088230	67088413	Chr7.42092	Lysmd4(-134294), Adams17(+246587)	N/A
Chr7	67098282	67098517	Chr7.42093	Lysmd4(-124216), Adams17(+258665)	N/A
Chr7	3645162	3645335	Chr7.421	Cnot3(-103)	N/A
Chr7	67110562	67110605	Chr7.42109	Lysmd4(-111882), Adams17(+270999)	N/A
Chr7	67153408	67152625	Chr7.42154	Lysmd4(-70999), Adams17(+312782)	N/A
Chr7	67230498	67230622	Chr7.42203	Lysmd4(+7944), Mef2a(+142288)	N/A
Chr7	67231139	67231274	Chr7.42207	Lysmd4(+8591), Mef2a(+141651)	N/A
Chr7	67371495	67371595	Chr7.42292	Mef2a(+1313), Lysmd4(+148929)	N/A
Chr7	67390946	67391247	Chr7.42323	Mef2a(-18239), Lrrc28(+254139)	N/A
Chr7	67414414	67414647	Chr7.42327	Mef2a(-41673), Lrrc28(+230705)	N/A
Chr7	67414929	67415093	Chr7.42330	Mef2a(-42153), Lrrc28(+230225)	N/A
Chr7	67431249	67431365	Chr7.42359	Mef2a(-58449), Lrrc28(+213929)	N/A
Chr7	67435731	67435848	Chr7.42362	Mef2a(-62932), Lrrc28(+209446)	N/A
Chr7	67443531	67443715	Chr7.42370	Mef2a(-70765), Lrrc28(+201613)	N/A
Chr7	67446115	67446335	Chr7.42381	Mef2a(-73367), Lrrc28(+199011)	N/A
Chr7	67459917	67460023	Chr7.42402	Mef2a(-87112), Lrrc28(+185065)	N/A
Chr7	67460068	67460194	Chr7.42406	Mef2a(-87273), Lrrc28(+185105)	N/A
Chr7	67471637	67471835	Chr7.42424	Mef2a(-98878), Lrrc28(+173500)	N/A
Chr7	67474992	67475148	Chr7.42435	Mef2a(-102212), Lrrc28(+170166)	N/A
Chr7	67503274	67503414	Chr7.42450	Mef2a(-130486), Lrrc28(+141892)	N/A
Chr7	67503574	67503699	Chr7.42453	Mef2a(-130778), Lrrc28(+141603)	N/A
Chr7	67514845	67514963	Chr7.42474	Mef2a(-142046), Lrrc28(+130332)	N/A
Chr7	67566990	67567131	Chr7.42520	Mef2a(-194203), Lrrc28(+78175)	N/A
Chr7	67598062	67598492	Chr7.42526	Mef2a(-225419), Lrrc28(+46959)	N/A
Chr7	67647291	67647428	Chr7.42557	Lrrc28(-2124), Tlc23(-50)	N/A
Chr7	16437581	16437692	Chr7.4257	Tmem160(-15142), Zc3h4(+36441)	N/A
Chr7	67701481	67701734	Chr7.42615	Tlc23(-54158), Syntm(-58134)	N/A
Chr7	67799492	67799626	Chr7.42758	Igf1r(-163300), Syntm(-28617)	N/A
Chr7	67827354	67827643	Chr7.42778	Igf1r(-125360), Syntm(-67757)	N/A
Chr7	67835994	67836143	Chr7.42784	Igf1r(-116790), Syntm(-76327)	N/A
Chr7	67847374	67847588	Chr7.42789	Igf1r(-105378), Syntm(-87739)	N/A
Chr7	67910558	67910843	Chr7.42826	Syntm(-151009), Igf1r(-42108)	N/A
Chr7	67925840	67925959	Chr7.42842	Syntm(-166158), Igf1r(-26959)	N/A
Chr7	67950354	67950469	Chr7.42854	Igf1r(-2447)	N/A
Chr7	67954359	67954469	Chr7.42862	Igf1r(+1555), Ppgep1l(+309819)	N/A
Chr7	67973467	67973845	Chr7.42890	Igf1r(+20797), Ppgep1l(+290577)	N/A
Chr7	68010335	68010435	Chr7.42932	Igf1r(+57526), Ppgep1l(+253848)	N/A
Chr7	68012190	68012371	Chr7.42937	Igf1r(+59422), Ppgep1l(+251952)	N/A
Chr7	68018038	68018138	Chr7.42955	Igf1r(+65229), Ppgep1l(+246145)	N/A
Chr7	68030375	68030626	Chr7.42982	Igf1r(+77642), Ppgep1l(+233732)	N/A
Chr7	68062811	68063024	Chr7.43018	Igf1r(+110059), Ppgep1l(+203135)	N/A
Chr7	68085498	68085657	Chr7.43047	Igf1r(+132719), Ppgep1l(+178655)	N/A
Chr7	68080679	68080725	Chr7.43050	Igf1r(+133318), Ppgep1l(+178058)	N/A
Chr7	68095661	68095803	Chr7.43056	Igf1r(+42873), Ppgep1l(+188501)	N/A
Chr7	68102651	68102767	Chr7.43065	Igf1r(+149850), Ppgep1l(+161524)	N/A
Chr7	68117865	68118107	Chr7.43101	Ppgep1l(+146247), Igf1r(+165127)	N/A
Chr7	68118160	68118261	Chr7.43108	Ppgep1l(+146022), Igf1r(+165352)	N/A
Chr7	68129092	68129305	Chr7.43125	Ppgep1l(+135034), Igf1r(+176340)	N/A
Chr7	68129974	68130126	Chr7.43131	Ppgep1l(+134162), Igf1r(+177192)	N/A
Chr7	68131299	68131408	Chr7.43135	Ppgep1l(+132879), Igf1r(+178495)	N/A
Chr7	68148388	68148490	Chr7.43156	Ppgep1l(+115794), Igf1r(+195580)	N/A
Chr7	68153307	68153686	Chr7.43165	Ppgep1l(+110736), Igf1r(+200638)	N/A
Chr7	68160368	68160568	Chr7.43168	Ppgep1l(+103765), Igf1r(+207609)	N/A
Chr7	68174978	68175151	Chr7.43202	Ppgep1l(+89168), Igf1r(+222206)	N/A
Chr7	68223523	68223549	Chr7.43350	Ppgep1l(+40797), Igf1r(+270577)	N/A
Chr7	68226499	68226692	Chr7.43367	Ppgep1l(+37637), Igf1r(+23737)	N/A

Chr7	6826608	68266902	Chr7_43447	Pgpep1(-2522)	N/A
Chr7	68277167	68277362	Chr7_43458	Gms5334(-341191),Pgpep1(-13032)	N/A
Chr7	68294456	68294611	Chr7_43472	Gms5334(-32392),Pgpep1(-30301)	N/A
Chr7	68313129	68313381	Chr7_43489	Gms5334(-303031),Pgpep1(-49022)	N/A
Chr7	68326335	68326445	Chr7_43506	Gms5334(-202066),Pgpep1(-42157)	N/A
Chr7	68396171	68396271	Chr7_43557	Gms5334(-222235),Pgpep1(-131988)	N/A
Chr7	68410025	68410306	Chr7_43576	Gms5334(-208290),Pgpep1(-145933)	N/A
Chr7	68440888	68441060	Chr7_43609	Gms5334(-177482),Pgpep1(-176741)	N/A
Chr7	68809848	68810160	Chr7_43925	Ardc4(-60763)	N/A
Chr7	68554509	68554620	Chr7_4394	Npas1(-177765),Arhgap35(+60428)	N/A
Chr7	16557396	16557714	Chr7_4401	Npas1(-80775),Arhgap35(+57438)	N/A
Chr7	68919077	68919303	Chr7_44039	Ardc4(-169949)	N/A
Chr7	16557880	16558136	Chr7_4405	Npas1(-81228),Arhgap35(+56985)	N/A
Chr7	16559082	16559215	Chr7_4410	Npas1(-82269),Arhgap35(+55844)	N/A
Chr7	68980395	68981171	Chr7_44107	Ardc4(-231813)	N/A
Chr7	68981379	68981552	Chr7_44113	Ardc4(-232225)	N/A
Chr7	68982549	68982697	Chr7_44119	Ardc4(-233382)	N/A
Chr7	68984171	68984383	Chr7_44128	Ardc4(-235036)	N/A
Chr7	69491052	69491349	Chr7_44580	Ardc4(-741960),Nr2f2(+869392)	N/A
Chr7	69493063	69493209	Chr7_44586	Ardc4(-743895),Nr2f2(+867457)	N/A
Chr7	69549666	69555228	Chr7_44661	Ardc4(-808566),Nr2f2(+805490)	N/A
Chr7	69579322	69579608	Chr7_44695	Ardc4(-830224),Nr2f2(+781128)	N/A
Chr7	69645464	69645657	Chr7_44745	Ardc4(-896320),Nr2f2(+715032)	N/A
Chr7	69807204	69807360	Chr7_44902	Nr2f2(+553311)	N/A
Chr7	69808430	69808641	Chr7_44914	Nr2f2(+552057)	N/A
Chr7	69827191	69827353	Chr7_44966	Nr2f2(+533321)	N/A
Chr7	69853628	69853936	Chr7_45007	Nr2f2(+506811)	N/A
Chr7	69992328	69992785	Chr7_45187	Nr2f2(+368036)	N/A
Chr7	69992968	69993081	Chr7_45190	Nr2f2(+367568)	N/A
Chr7	70067844	70068081	Chr7_45269	Nr2f2(+292630)	N/A
Chr7	70068600	70068660	Chr7_45275	Nr2f2(+292159)	N/A
Chr7	70104496	70104823	Chr7_45326	Nr2f2(+255933)	N/A
Chr7	70104856	70104997	Chr7_45327	Nr2f2(+255666)	N/A
Chr7	70108943	70109115	Chr7_45338	Nr2f2(+251564)	N/A
Chr7	70109160	70109405	Chr7_45343	Nr2f2(+251310)	N/A
Chr7	70109439	70109687	Chr7_45344	Nr2f2(+251080)	N/A
Chr7	70115939	70116170	Chr7_45354	Nr2f2(+244538)	N/A
Chr7	70120268	70120506	Chr7_45380	Nr2f2(+240196)	N/A
Chr7	70164783	70164986	Chr7_45468	Nr2f2(+195708)	N/A
Chr7	70166494	70167018	Chr7_45484	Nr2f2(+193837)	N/A
Chr7	16581487	16581643	Chr7_4565	Npas1(-104785),Arhgap35(+33428)	N/A
Chr7	16582344	16582456	Chr7_4567	Npas1(-105620),Arhgap35(+32593)	N/A
Chr7	70281433	70281653	Chr7_45675	Nr2f2(+78950)	N/A
Chr7	70288083	70288334	Chr7_45694	Nr2f2(+72394)	N/A
Chr7	70329537	70330066	Chr7_45758	Nr2f2(+30791)	N/A
Chr7	70330159	70330261	Chr7_45761	Nr2f2(+30383)	N/A
Chr7	70331023	70331127	Chr7_45764	Nr2f2(+29518)	N/A
Chr7	70333373	70333608	Chr7_45771	Nr2f2(+26962)	N/A
Chr7	70336910	70337062	Chr7_45775	Nr2f2(+23607)	N/A
Chr7	70337191	70337377	Chr7_45776	Nr2f2(+23309)	N/A
Chr7	70337641	70337755	Chr7_45778	Nr2f2(+22895)	N/A
Chr7	70342089	70342244	Chr7_45791	Nr2f2(+18426)	N/A
Chr7	70342793	70342942	Chr7_45793	Nr2f2(+17725)	N/A
Chr7	70343303	70343113	Chr7_45794	Nr2f2(+17535)	N/A
Chr7	70343434	70343576	Chr7_45796	Nr2f2(+17088)	N/A
Chr7	70344262	70344410	Chr7_45802	Nr2f2(+16257)	N/A
Chr7	70345477	70345799	Chr7_45805	Nr2f2(+14955)	N/A
Chr7	70346421	70346541	Chr7_45810	Nr2f2(+14112)	N/A
Chr7	70346575	70346663	Chr7_45812	Nr2f2(+13964)	N/A
Chr7	70347403	70347691	Chr7_45815	Nr2f2(+13046)	N/A
Chr7	70348509	70348706	Chr7_45817	Nr2f2(+11985)	N/A
Chr7	70348762	70349031	Chr7_45819	Nr2f2(+11696)	N/A
Chr7	70349258	70349446	Chr7_45821	Nr2f2(+11241)	N/A
Chr7	70349897	70349976	Chr7_45822	Nr2f2(+10755)	N/A
Chr7	70350821	70350953	Chr7_45825	Nr2f2(+9706)	N/A
Chr7	70351713	70351813	Chr7_45829	Nr2f2(+8830)	N/A
Chr7	70351926	70352159	Chr7_45830	Nr2f2(+8550)	N/A
Chr7	70352209	70352236	Chr7_45833	Nr2f2(+8325)	N/A
Chr7	70352638	70352750	Chr7_45836	Nr2f2(+7899)	N/A
Chr7	70352667	70352660	Chr7_45838	Nr2f2(+7429)	N/A
Chr7	70353391	70353947	Chr7_45841	Nr2f2(+6924)	N/A
Chr7	70354014	70354315	Chr7_45843	Nr2f2(+6428)	N/A
Chr7	70355274	70355506	Chr7_45850	Nr2f2(+5203)	N/A
Chr7	70355729	70355870	Chr7_45853	Nr2f2(+4793)	N/A
Chr7	70356020	70356176	Chr7_45855	Nr2f2(+4493)	N/A
Chr7	70356796	70356976	Chr7_45861	Nr2f2(+3707)	N/A
Chr7	70359288	70359496	Chr7_45870	Nr2f2(+1201)	N/A
Chr7	70361654	70361898	Chr7_45880	Nr2f2(+1183)	N/A
Chr7	70362490	70362626	Chr7_45885	Nr2f2(+1965)	N/A
Chr7	70362749	70362905	Chr7_45886	Nr2f2(+2234)	N/A
Chr7	70364697	70365246	Chr7_45897	Nr2f2(+4379)	N/A
Chr7	70365311	70365560	Chr7_45898	Nr2f2(+4653)	N/A
Chr7	70366174	70366544	Chr7_45905	B130024g19nk(-21946),Nr2f2(-5766)	N/A
Chr7	70366811	70366933	Chr7_45908	B130024g19nk(-21433),Nr2f2(-6279)	N/A
Chr7	70367184	70367678	Chr7_45912	B130024g19nk(-20874),Nr2f2(-6838)	N/A
Chr7	70368306	70368571	Chr7_45920	B130024g19nk(-19893),Nr2f2(-7819)	N/A
Chr7	70369835	70370128	Chr7_45929	B130024g19nk(-18323),Nr2f2(-9389)	N/A
Chr7	16611259	16611385	Chr7_4593	Npas1(-134542),Arhgap35(+3671)	N/A
Chr7	70370953	70371067	Chr7_45933	B130024g19nk(-17295),Nr2f2(-10417)	N/A
Chr7	70371387	70371552	Chr7_45936	B130024g19nk(-16835),Nr2f2(-10877)	N/A
Chr7	16611802	16611952	Chr7_4595	Npas1(-135097),Arhgap35(+3116)	N/A
Chr7	16615313	16615426	Chr7_4601	Arhgap35(-377)	N/A
Chr7	70416243	70416407	Chr7_46052	B130024g19nk(+28020),Gm10295(+935160)	N/A
Chr7	70417272	70417379	Chr7_46068	B130024g19nk(+29021),Gm10295(+934159)	N/A
Chr7	70429072	70429455	Chr7_46099	B130024g19nk(+40959),Gm10295(+92221)	N/A
Chr7	70433424	70433526	Chr7_46104	B130024g19nk(+45170),Gm10295(+918010)	N/A
Chr7	16618861	16618815	Chr7_46111	Arhgap35(-3745)	N/A
Chr7	70469298	70469550	Chr7_46165	B130024g19nk(+81119),Gm10295(+892061)	N/A
Chr7	70496814	70497263	Chr7_46209	B130024g19nk(+108734),Gm10295(+854446)	N/A
Chr7	70514689	70514840	Chr7_46249	B130024g19nk(+126460),Gm10295(+836720)	N/A
Chr7	70515242	70515451	Chr7_46250	B130024g19nk(+127042),Gm10295(+836138)	N/A
Chr7	70515588	70515775	Chr7_46253	B130024g19nk(+127377),Gm10295(+835803)	N/A
Chr7	70530020	70530142	Chr7_46287	B130024g19nk(+141776),Gm10295(+821404)	N/A
Chr7	70576424	70576551	Chr7_46335	B130024g19nk(+168163),Gm10295(+774997)	N/A
Chr7	70576608	70576737	Chr7_46357	B130024g19nk(+188368),Gm10295(+774812)	N/A
Chr7	70582712	70582932	Chr7_46369	B130024g19nk(+194517),Gm10295(+768663)	N/A
Chr7	70590155	70590291	Chr7_46387	B130024g19nk(+201918),Gm10295(+761262)	N/A
Chr7	70591529	70591996	Chr7_46395	B130024g19nk(+203458),Gm10295(+759722)	N/A
Chr7	70624064	70624231	Chr7_46436	B130024g19nk(+235853),Gm10295(+727327)	N/A
Chr7	70624969	70625076	Chr7_46441	B130024g19nk(+236718),Gm10295(+725463)	N/A
Chr7	70625286	70625395	Chr7_46447	B130024g19nk(+237036),Gm10295(+726144)	N/A
Chr7	70625569	70625695	Chr7_46450	B130024g19nk(+237327),Gm10295(+725853)	N/A
Chr7	70633650	70633790	Chr7_46454	B130024g19nk(+245415),Gm10295(+717765)	N/A
Chr7	70634117	70634304	Chr7_46460	B130024g19nk(+245906),Gm10295(+717274)	N/A
Chr7	70641447	70641464	Chr7_46480	B130024g19nk(+256001),Gm10295(+707179)	N/A
Chr7	70689335	70689516	Chr7_46513	B130024g19nk(+281121),Gm10295(+682059)	N/A
Chr7	70697434	70697579	Chr7_46575	B130024g19nk(+309202),Gm10295(+653978)	N/A
Chr7	70697655	70697876	Chr7_46578	B130024g19nk(+309461),Gm10295(+653719)	N/A
Chr7	70699610	70699786	Chr7_46583	B130024g19nk(+311393),Gm10295(+651787)	N/A
Chr7	70716289	70716453	Chr7_46612	B130024g19nk(+330066),Gm10295(+653114)	N/A
Chr7	70731240	70731387	Chr7_46638	B130024g19nk(+342999),Gm10295(+620181)	N/A
Chr7	70748312	70748678	Chr7_46653	B130024g19nk(+360190),Gm10295(+602990)	N/A
Chr7	70748946	70749204	Chr7_46664	B130024g19nk(+360770),Gm10295(+602410)	N/A
Chr7	7079182	70793369	Chr7_46733	B130024g19nk(+400971),Gm10295(+562209)	N/A
Chr7	70796307	70796975	Chr7_46755	B130024g19nk(+408336),Gm10295(+554844)	N/A
Chr7	70798251	70798251	Chr7_46762	B130024g19nk(+409831),Gm10295(+553349)	N/A
Chr7	70810123	70810253	Chr7_46781	B130024g19nk(+421883),Gm10295(+541297)	N/A
Chr7	70810329	70810459	Chr7_46782	B130024g19nk(+422089),Gm10295(+541091)	N/A
Chr7	70813264	70813554	Chr7_46787	B130024g19nk(+425104),Gm10295(+538076)	N/A
Chr7	70814487	70814665	Chr7_46795	B130024g19nk(+426271),Gm10295(+536909)	N/A
Chr7	70822420	70822424	Chr7_46816	B130024g19nk(+434327),Gm10295(+528853)	N/A
Chr7	70846021	70846460	Chr7_46852	B130024g19nk(+457941),Gm10295(+505239)	N/A
Chr7	70847878	70847983	Chr7_46871	B130024g19nk(+459626),Gm10295(+503554)	N/A
Chr7	70848016	70848361	Chr7_46872	B130024g19nk(+459884),Gm10295(+503296)	N/A
Chr7	70871202	70871490	Chr7_46906	Gm10295(+480139),B130024g19nk(+483041)	N/A
Chr7	70929871	70930243	Chr7_46975	Gm10295(+421428),B130024g19nk(+541752)	N/A
Chr7	71023747	71024103	Chr7_47064	Gm10295(+327560),B130024g19nk(+638620)	N/A
Chr7	71024162	71024426	Chr7_47096	Gm10295(+327191),B130024g19nk(+635989)	N/A

Chr7	71024666	71024799	Chr7.47070	Gm10295(+326752),B130024g19nik(+636428)	N/A
Chr7	71043788	71043990	Chr7.47117	Gm10295(+307596),B130024g19nik(+655584)	N/A
Chr7	71065084	71065311	Chr7.47173	Gm10295(+266287),B130024g19nik(+676893)	N/A
Chr7	71076104	71076308	Chr7.47202	Gm10295(+275279),B130024g19nik(+687901)	N/A
Chr7	71076514	71076670	Chr7.47207	Gm10295(+274893),B130024g19nik(+688287)	N/A
Chr7	71092633	71092769	Chr7.47233	Gm10295(+258784),B130024g19nik(+704396)	N/A
Chr7	71119589	71119745	Chr7.47292	Gm10295(+231818),B130024g19nik(+731362)	N/A
Chr7	16815526	16815650	Chr7.47333	Stm4(-301)	N/A
Chr7	71138899	71139441	Chr7.47339	Gm10295(+212315),B130024g19nik(+750865)	N/A
Chr7	16821748	16821901	Chr7.47337	Pkaf5(-51240),Flup(-5093)	N/A
Chr7	71188431	71188591	Chr7.47403	Gm10295(+162974),B130024g19nik(+800206)	N/A
Chr7	71193068	71193286	Chr7.47419	Gm10295(+158308),B130024g19nik(+804872)	N/A
Chr7	71193360	71193530	Chr7.47428	Gm10295(+158040),B130024g19nik(+805140)	N/A
Chr7	71219538	71219876	Chr7.47472	Gm10295(+131778),B130024g19nik(+831402)	N/A
Chr7	71229207	71229510	Chr7.47488	Gm10295(+122126),B130024g19nik(+841054)	N/A
Chr7	71231048	71231169	Chr7.47407	Gm10295(+120378),B130024g19nik(+842804)	N/A
Chr7	71233181	71233419	Chr7.47502	Gm10295(+118185),B130024g19nik(+844995)	N/A
Chr7	71311512	71311627	Chr7.47642	Gm10295(+39915),B130024g19nik(+923265)	N/A
Chr7	71370291	71370446	Chr7.47747	Gm10295(-18884),Mctp2(+936226)	N/A
Chr7	71378564	71378532	Chr7.47761	Gm10295(-26658),Mctp2(+929452)	N/A
Chr7	71378237	71379581	Chr7.47786	Gm10295(-27924),Mctp2(+927186)	N/A
Chr7	71379610	71379753	Chr7.47769	Gm10295(-28197),Mctp2(+926913)	N/A
Chr7	71380472	71380808	Chr7.47774	Gm10295(-29155),Mctp2(+925955)	N/A
Chr7	71381001	71381164	Chr7.47778	Gm10295(-29598),Mctp2(+925512)	N/A
Chr7	71381264	71381440	Chr7.47780	Gm10295(-29867),Mctp2(+925243)	N/A
Chr7	71383742	71383742	Chr7.47790	Gm10295(-32173),Mctp2(+922937)	N/A
Chr7	71383855	71384112	Chr7.47792	Gm10295(-32499),Mctp2(+922611)	N/A
Chr7	71385044	71385193	Chr7.47795	Gm10295(-33634),Mctp2(+921476)	N/A
Chr7	71385463	71385734	Chr7.47799	Gm10295(-34114),Mctp2(+920996)	N/A
Chr7	71386102	71386283	Chr7.47801	Gm10295(-34708),Mctp2(+920402)	N/A
Chr7	71386801	71386825	Chr7.47806	Gm10295(-35228),Mctp2(+919882)	N/A
Chr7	71409168	71409345	Chr7.47857	Gm10295(-57772),Mctp2(+897338)	N/A
Chr7	71411785	71411884	Chr7.47860	Gm10295(-60350),Mctp2(+894760)	N/A
Chr7	71412221	71412371	Chr7.47862	Gm10295(-60811),Mctp2(+894299)	N/A
Chr7	71419540	71419553	Chr7.47876	Gm10295(-68112),Mctp2(+886998)	N/A
Chr7	71440899	71441134	Chr7.47905	Gm10295(-69532),Mctp2(+865578)	N/A
Chr7	71471633	71471842	Chr7.47939	Gm10295(-120253),Mctp2(+834867)	N/A
Chr7	71472136	71472258	Chr7.47943	Gm10295(-120712),Mctp2(+834398)	N/A
Chr7	71531846	71532166	Chr7.48032	Gm10295(-180521),Mctp2(+774589)	N/A
Chr7	71532204	71532335	Chr7.48041	Gm10295(-180785),Mctp2(+774325)	N/A
Chr7	71603607	71603818	Chr7.48127	Gm10295(-252228),Mctp2(+702882)	N/A
Chr7	71803050	71803280	Chr7.48357	Gm10295(-451680),Mctp2(+503430)	N/A
Chr7	71838322	71838558	Chr7.48392	Gm10295(-48854),Mctp2(+468156)	N/A
Chr7	71865419	71865818	Chr7.48429	Gm10295(-514134),Mctp2(+440976)	N/A
Chr7	71884746	71884857	Chr7.48471	Gm10295(-533173),Mctp2(+421793)	N/A
Chr7	71936763	71936916	Chr7.48510	Gm10295(-585355),Mctp2(+369755)	N/A
Chr7	71960910	71961155	Chr7.48564	Gm10295(-609548),Mctp2(+345562)	N/A
Chr7	72121072	72121231	Chr7.48722	Gm10295(-769667),Mctp2(+165443)	N/A
Chr7	72162404	72162521	Chr7.48806	Gm10295(-810978),Mctp2(+144132)	N/A
Chr7	72216671	72216819	Chr7.48920	Gm10295(-865260),Mctp2(+89850)	N/A
Chr7	72364001	72364220	Chr7.49023	Mctp2(-57516)	N/A
Chr7	72480463	72480584	Chr7.49076	Rgma(-894996),Mctp2(-173929)	N/A
Chr7	72490505	72490621	Chr7.49090	Rgma(-878957),Mctp2(-189968)	N/A
Chr7	72504355	72504547	Chr7.49104	Rgma(-871069),Mctp2(-197865)	N/A
Chr7	72506155	72506293	Chr7.49111	Rgma(-869206),Mctp2(-196629)	N/A
Chr7	72506756	72506894	Chr7.49113	Rgma(-868695),Mctp2(-200230)	N/A
Chr7	72514996	72515109	Chr7.49120	Rgma(-860467),Mctp2(-208458)	N/A
Chr7	72711505	72711677	Chr7.49225	Rgma(-863929),Mctp2(-404996)	N/A
Chr7	72726178	72726288	Chr7.49232	Rgma(-849287),Mctp2(-419638)	N/A
Chr7	72738157	72738394	Chr7.49237	Rgma(-837244),Mctp2(-431681)	N/A
Chr7	72753229	72753335	Chr7.49262	Rgma(-622238),Mctp2(-446687)	N/A
Chr7	72838247	72838522	Chr7.49314	Rgma(-537135),Mctp2(-531790)	N/A
Chr7	16874870	16875138	Chr7.4934	Dact3(-313)	N/A
Chr7	16875223	16875334	Chr7.4942	Dact3(-38)	N/A
Chr7	16876896	16876805	Chr7.4947	Gng8(-15035),Dact3(+1434)	N/A
Chr7	73038577	73038691	Chr7.49479	Mctp2(-730339),Rgma(-338596)	N/A
Chr7	73037162	73037288	Chr7.49482	Mctp2(-730630),Rgma(-338295)	N/A
Chr7	16877192	16877302	Chr7.4950	Gng8(-14539),Dact3(+1930)	N/A
Chr7	73126117	73126319	Chr7.49512	Mctp2(-819623),Rgma(-249302)	N/A
Chr7	73126357	73126538	Chr7.49514	Mctp2(-819653),Rgma(-249072)	N/A
Chr7	73143896	73144148	Chr7.49527	Mctp2(-837473),Rgma(-231452)	N/A
Chr7	73151272	73151425	Chr7.49530	Mctp2(-844754),Rgma(-224171)	N/A
Chr7	73185233	73185502	Chr7.49544	Mctp2(-878773),Rgma(-190152)	N/A
Chr7	73192149	73192332	Chr7.49555	Mctp2(-885646),Rgma(-183279)	N/A
Chr7	73209292	73209423	Chr7.49580	Mctp2(-902763),Rgma(-166162)	N/A
Chr7	73223036	73223227	Chr7.49591	Mctp2(-916537),Rgma(-153388)	N/A
Chr7	73293466	73293765	Chr7.49623	Mctp2(-987021),Rgma(-81904)	N/A
Chr7	73308102	73308237	Chr7.49631	Rgma(-67350)	N/A
Chr7	73320415	73320616	Chr7.49639	Rgma(-55004)	N/A
Chr7	73327354	73327458	Chr7.49642	Rgma(-48114)	N/A
Chr7	73351644	73351816	Chr7.49665	Rgma(-33789)	N/A
Chr7	73376581	73376718	Chr7.49694	Rgma(+1156),Chd2(+16506)	N/A
Chr7	73390144	73390254	Chr7.49702	Rgma(+14679),Chd2(+151547)	N/A
Chr7	73391991	73392239	Chr7.49709	Rgma(+16595),Chd2(+149631)	N/A
Chr7	73393675	73393882	Chr7.49715	Rgma(+18259),Chd2(+147967)	N/A
Chr7	73400353	73400481	Chr7.49724	Rgma(+24897),Chd2(+141329)	N/A
Chr7	73414331	73414491	Chr7.49745	Rgma(+38891),Chd2(+127335)	N/A
Chr7	16891028	16891226	Chr7.4975	Gng8(-659)	N/A
Chr7	73427471	73427620	Chr7.49785	Rgma(+52026),Chd2(+114200)	N/A
Chr7	16894438	16894537	Chr7.4979	Ptgr(-12026),Gng8(+2702)	N/A
Chr7	73454570	73455021	Chr7.49828	Rgma(+79276),Chd2(+86950)	N/A
Chr7	16900861	16900820	Chr7.4987	Ptgr(-5773),Gng8(-8955)	N/A
Chr7	73537899	73538096	Chr7.49919	Chd2(-3753),Rgma(+162473)	N/A
Chr7	73539250	73539350	Chr7.49928	Chd2(+2448),Rgma(+163780)	N/A
Chr7	73540152	73540363	Chr7.49931	Chd2(+1488),Rgma(+164738)	N/A
Chr7	73540393	73540678	Chr7.49933	Chd2(+1210),Rgma(+165016)	N/A
Chr7	73541112	73541319	Chr7.49938	Chd2(+530)	N/A
Chr7	73541446	73541620	Chr7.49940	Chd2(+113)	N/A
Chr7	73541872	73542131	Chr7.49943	Chd2(-256)	N/A
Chr7	73544179	73544480	Chr7.49953	Chd2(-2584)	N/A
Chr7	73556354	73556454	Chr7.49960	Fam174b(-183903),Chd2(-14658)	N/A
Chr7	73594718	73594863	Chr7.49972	Fam174b(-145516),Chd2(-53045)	N/A
Chr7	73595394	73595490	Chr7.49976	Fam174b(-144870),Chd2(-53891)	N/A
Chr7	73917870	73918249	Chr7.50057	A830073o21nk(-177143),Stbia2(+96622)	N/A
Chr7	73958791	73958914	Chr7.50106	A830073o21nk(-217936),Stbia2(+54829)	N/A
Chr7	74007005	74007156	Chr7.50163	A830073o21nk(-266164),Stbia2(+6601)	N/A
Chr7	74012921	74013075	Chr7.50171	Stbia2(+684)	N/A
Chr7	74013866	74014145	Chr7.50174	Stbia2(-384)	N/A
Chr7	74072852	74073012	Chr7.50224	Stbia2(-59250),Sloc3a1(+481682)	N/A
Chr7	74107326	74107622	Chr7.50242	Stbia2(-93720),Sloc3a1(+447140)	N/A
Chr7	74130372	74130471	Chr7.50250	Stbia2(-116740),Sloc3a1(+424192)	N/A
Chr7	74173706	74173922	Chr7.50270	Stbia2(-160132),Sloc3a1(+380800)	N/A
Chr7	74330570	74330789	Chr7.50392	Stbia2(-316998),Sloc3a1(+223934)	N/A
Chr7	74355981	74355860	Chr7.50413	Stbia2(-342089),Sloc3a1(+198843)	N/A
Chr7	74393455	74393641	Chr7.50433	Stbia2(-379866),Sloc3a1(+161086)	N/A
Chr7	74413053	74413165	Chr7.50437	Stbia2(-398427),Sloc3a1(+141505)	N/A
Chr7	74464747	74464853	Chr7.50468	Stbia2(-451118),Sloc3a1(+89814)	N/A
Chr7	74467777	74467883	Chr7.50473	Stbia2(-454148),Sloc3a1(+86784)	N/A
Chr7	74508267	74508389	Chr7.50515	Stbia2(-494646),Sloc3a1(+46286)	N/A
Chr7	74844550	74844702	Chr7.50699	Sloc3a1(-290012),Sv2b(+464638)	N/A
Chr7	16921889	16922042	Chr7.5075	Caln3(+2149),Pp5c(+15452)	N/A
Chr7	16924285	16924387	Chr7.5080	Caln3(-222)	N/A
Chr7	75209173	75209311	Chr7.50872	Sloc3a1(-654628),Sv2b(+100020)	N/A
Chr7	75384452	75384841	Chr7.50939	Sv2b(-75385),Akap13(-70887)	N/A
Chr7	75397866	75398002	Chr7.50950	Sv2b(-88672),Akap13(-57600)	N/A
Chr7	75550336	75550458	Chr7.51040	Kln25(-29781),Akap13(+94863)	N/A
Chr7	75612122	75612394	Chr7.51119	Kln25(-236080),Akap13(+156724)	N/A
Chr7	16993740	16993884	Chr7.5112	Ccdc8(+1104),Pp5c(+34104)	N/A
Chr7	75612848	75612958	Chr7.51124	Kln25(-235435),Akap13(+157369)	N/A
Chr7	75634275	75634431	Chr7.51149	Kln25(-213985),Akap13(+179819)	N/A
Chr7	75640164	75640275	Chr7.51155	Kln25(-208118),Akap13(+194686)	N/A
Chr7	75640730	75640840	Chr7.51157	Kln25(-207553),Akap13(+185251)	N/A
Chr7	75642480	75642602	Chr7.51162	Kln25(-205797),Akap13(+187007)	N/A
Chr7	75642686	75642787	Chr7.51164	Kln25(-205601),Akap13(+187203)	N/A
Chr7	75643373	75643472	Chr7.51167	Kln25(-204915),Akap13(+187889)	N/A
Chr7	75644130	75644304	Chr7.51168	Kln25(-204121),Akap13(+188652)	N/A
Chr7	75648979	75649192	Chr7.51174	Kln25(-199620),Akap13(+193552)	N/A
Chr7	16994373	16994496	Chr7.5118	Ccdc8(-1727),Pp5c(+33481)	N/A

Chr7	75686317	75686426	Chr7.51221	Klh25(-161966), Akap13(+230838)	N/A
Chr7	75702001	75702112	Chr7.51240	Klh25(-146281), Akap13(+246523)	N/A
Chr7	75712463	75712565	Chr7.51255	Klh25(-135824), Akap13(+256980)	N/A
Chr7	75905581	75905712	Chr7.51470	Agb1(-504+15), Kih25(+57309)	N/A
Chr7	76393068	76393309	Chr7.51775	Agb1(-17873), Kih25(+544851)	N/A
Chr7	76661024	76661250	Chr7.52095	Agb1(+250075)	N/A
Chr7	76889589	76889707	Chr7.52271	Agb1(+478586)	N/A
Chr7	17058288	17058429	Chr7.5237	Ppp5c(-30443), Hif3a(+4068)	N/A
Chr7	17060152	17060306	Chr7.5242	Ppp5c(-32313), Hif3a(+2198)	N/A
Chr7	17060794	17060940	Chr7.5244	Ppp5c(-32951), Hif3a(+1560)	N/A
Chr7	77132774	77132883	Chr7.52480	Agb1(+721767)	N/A
Chr7	17060985	17061112	Chr7.5248	Ppp5c(-33133), Hif3a(+1378)	N/A
Chr7	77447538	77447689	Chr7.52568	None	N/A
Chr7	78120990	78121205	Chr7.52953	Nrk3(+457310)	N/A
Chr7	18922358	18923139	Chr7.5312	Nova2(-2839)	N/A
Chr7	18927095	18927230	Chr7.5321	Nanos2(-60361), Nova2(+1275)	N/A
Chr7	18942521	18942667	Chr7.5329	Nanos2(-44930), Nova2(+16700)	N/A
Chr7	78403024	78403182	Chr7.53291	Nrk3(+175305)	N/A
Chr7	18949806	18949908	Chr7.5336	Nanos2(-37667), Nova2(+23969)	N/A
Chr7	18950125	18950285	Chr7.5340	Nanos2(-37319), Nova2(+24317)	N/A
Chr7	78576809	78576990	Chr7.53461	Gm9885(-1930), Nrk3(+1508)	N/A
Chr7	78576875	78576781	Chr7.53472	Nrk3(-320), Gm9885(-102)	N/A
Chr7	78579148	78579421	Chr7.53473	Nrk3(-877), Gm9885(+455)	N/A
Chr7	78597305	78597492	Chr7.53499	Gm9885(+18569), Mip46(+185667)	N/A
Chr7	78610283	78610396	Chr7.53518	Gm9885(+31510), Mip46(+172726)	N/A
Chr7	78654384	78654498	Chr7.53534	Gm9885(+75611), Mip46(+128625)	N/A
Chr7	18958844	18958943	Chr7.5365	Nanos2(-29630), Nova2(+33000)	N/A
Chr7	78939151	78939401	Chr7.53887	Acan(-114207), Isg20(+25511)	N/A
Chr7	78953079	78953221	Chr7.53895	Acan(-100333), Isg20(+39385)	N/A
Chr7	78953878	78954033	Chr7.53897	Acan(-99527), Isg20(+40191)	N/A
Chr7	78954172	78954322	Chr7.53901	Acan(-99235), Isg20(+109463)	N/A
Chr7	78962567	78962402	Chr7.53911	Acan(-88153), Isg20(+15165)	N/A
Chr7	78971605	78971728	Chr7.53915	Acan(-81816), Isg20(+57902)	N/A
Chr7	78972074	78972221	Chr7.53917	Acan(-81335), Isg20(+58383)	N/A
Chr7	79021400	79021641	Chr7.53941	Acan(-31962), Isg20(+107756)	N/A
Chr7	79043774	79043922	Chr7.53952	Acan(-9635), Isg20(+130083)	N/A
Chr7	79080653	79080231	Chr7.53976	Acan(+26659), Hapn3(+50878)	N/A
Chr7	19001287	19001431	Chr7.5420	If2bp1(-2700)	N/A
Chr7	79194881	79195201	Chr7.54312	Abhd2(-78160), Mfge8(-45981)	N/A
Chr7	79247797	79247921	Chr7.54324	Mfge8(-98799), Abhd2(-25342)	N/A
Chr7	79273114	79273289	Chr7.54338	Abhd2(+1)	N/A
Chr7	79275339	79275480	Chr7.54345	Abhd2(-2209), Rfbp1(+111617)	N/A
Chr7	79360306	79360505	Chr7.54426	Rfbp1(+26621), Abhd2(+87205)	N/A
Chr7	79362320	79362487	Chr7.54438	Rfbp1(+24623), Abhd2(-89203)	N/A
Chr7	19006316	19006458	Chr7.5465	If2bp1(+2322), Foxa3(+17151)	N/A
Chr7	19007171	19007278	Chr7.5471	If2bp1(+3160), Foxa3(+16313)	N/A
Chr7	7946137	79461624	Chr7.54714	Polg(+173)	N/A
Chr7	79504793	79504981	Chr7.54733	Polg(-38523), Rhcg(+12270)	N/A
Chr7	79505263	79505370	Chr7.54736	Polg(-38955), Rhcg(+112340)	N/A
Chr7	79505576	79505730	Chr7.54738	Polg(-39291), Rhcg(+112004)	N/A
Chr7	79505864	79506131	Chr7.54740	Polg(-39636), Rhcg(+111659)	N/A
Chr7	79506342	79506458	Chr7.54743	Polg(-40038), Rhcg(+111257)	N/A
Chr7	79508597	79508787	Chr7.54748	Polg(-42330), Rhcg(+109665)	N/A
Chr7	79509845	79510142	Chr7.54754	Polg(-43632), Rhcg(+107653)	N/A
Chr7	79511098	79511334	Chr7.54761	Polg(-44854), Rhcg(+106441)	N/A
Chr7	79518015	79518351	Chr7.54778	Polg(-51821), Rhcg(+99474)	N/A
Chr7	79518896	79519206	Chr7.54784	Polg(-52689), Rhcg(+98606)	N/A
Chr7	79520340	79520456	Chr7.54787	Polg(-54038), Rhcg(+97259)	N/A
Chr7	19009401	19009500	Chr7.5479	If2bp1(+5386), Foxa3(+14687)	N/A
Chr7	79525327	79525442	Chr7.54793	Polg(-69023), Rhcg(+92272)	N/A
Chr7	79525955	79526174	Chr7.54797	Polg(-59703), Rhcg(+91592)	N/A
Chr7	19010650	19010893	Chr7.5480	If2bp1(+6707), Foxa3(+12766)	N/A
Chr7	79528125	79528299	Chr7.54801	Polg(-61850), Rhcg(+89445)	N/A
Chr7	79531610	79531946	Chr7.54804	Polg(-68418), Rhcg(+85879)	N/A
Chr7	79535424	79535578	Chr7.54810	Polg(-69139), Rhcg(+82156)	N/A
Chr7	79543430	79543580	Chr7.54813	Polg(-77143), Rhcg(+74152)	N/A
Chr7	79543744	79543855	Chr7.54817	Polg(-77438), Rhcg(+73857)	N/A
Chr7	79543929	79544115	Chr7.54821	Polg(-77660), Rhcg(+73635)	N/A
Chr7	79544243	79544373	Chr7.54822	Polg(-77948), Rhcg(+73349)	N/A
Chr7	79544881	79545082	Chr7.54825	Polg(-78670), Rhcg(+72625)	N/A
Chr7	79549028	79549373	Chr7.54833	Polg(-82839), Rhcg(+69456)	N/A
Chr7	79572239	79572532	Chr7.54846	Polg(-106024), Rhcg(+45271)	N/A
Chr7	19011993	19012212	Chr7.5485	If2bp1(+8038), Foxa3(+11435)	N/A
Chr7	79577225	79577402	Chr7.54852	Polg(-110952), Rhcg(+40343)	N/A
Chr7	79578631	79578885	Chr7.54859	Polg(-112396), Rhcg(+38899)	N/A
Chr7	79580293	79580482	Chr7.54862	Polg(-124028), Rhcg(+27269)	N/A
Chr7	79590879	79591036	Chr7.54867	Polg(-124596), Rhcg(-26699)	N/A
Chr7	79592376	79592585	Chr7.54872	Polg(-126119), Rhcg(+25176)	N/A
Chr7	19012274	19012393	Chr7.5489	If2bp1(+8269), Foxa3(+11204)	N/A
Chr7	19021197	19021410	Chr7.5517	Sympk(-3073), Foxa3(+2234)	N/A
Chr7	79797248	79797501	Chr7.55330	Mesp1(-3387)	N/A
Chr7	79798743	79798890	Chr7.55338	Mesp2(-11910), Mesp1(-5029)	N/A
Chr7	79802683	79802849	Chr7.55343	Mesp1(-8978), Mesp2(-7961)	N/A
Chr7	79810658	79810771	Chr7.55346	Mesp2(-12)	N/A
Chr7	80024480	80024601	Chr7.55577	Zfp710(-1687)	N/A
Chr7	80024630	80024783	Chr7.55578	Zfp710(-1521)	N/A
Chr7	80027612	80027740	Chr7.55588	Zfp710(-1448), Ikh2(+87718)	N/A
Chr7	80028002	80028106	Chr7.55589	Zfp710(+1826), Ikh2(+87338)	N/A
Chr7	80040718	80040872	Chr7.55603	Zfp710(+14567), Ikh2(+74597)	N/A
Chr7	80044902	80045037	Chr7.55613	Zfp710(+18742), Ikh2(+70422)	N/A
Chr7	80063756	80063945	Chr7.55627	Zfp710(+37623), Ikh2(+51541)	N/A
Chr7	80092155	80092321	Chr7.55688	Ikh2(+23154), Zfp710(+66010)	N/A
Chr7	80092586	80092756	Chr7.55690	Ikh2(+22721), Zfp710(+66443)	N/A
Chr7	80094838	80094942	Chr7.55693	Ikh2(+20502), Zfp710(+68662)	N/A
Chr7	80160361	80160527	Chr7.55758	Ikh2(-45052), Sema4b(-26397)	N/A
Chr7	80171450	80171599	Chr7.55767	Ikh2(-56133), Sema4b(-15316)	N/A
Chr7	80191555	80191688	Chr7.55777	Sema4b(+47771), Ceb1(+41201)	N/A
Chr7	80192423	80192591	Chr7.55781	Sema4b(+5666), Ceb1(+40306)	N/A
Chr7	80313411	80313658	Chr7.56180	Rccd1(-10090), Prc1(-19085)	N/A
Chr7	80340929	80341080	Chr7.56373	Hdcd3(-2132), Unc45a(0)	N/A
Chr7	80389194	80389353	Chr7.56664	Fes(-1328)	N/A
Chr7	80389846	80390005	Chr7.56671	Fes(-1980)	N/A
Chr7	80400208	80400367	Chr7.56752	Fes(-12342), Furin(+1419)	N/A
Chr7	80404153	80404299	Chr7.56763	Furin(-2519)	N/A
Chr7	80457634	80457802	Chr7.56791	Furin(-56011), Blm(+77280)	N/A
Chr7	80554817	80555029	Chr7.56902	Blm(-19925), Crtc3(+133954)	N/A
Chr7	80561503	80561653	Chr7.56909	Blm(-26580), Crtc3(+127299)	N/A
Chr7	80586640	80586772	Chr7.56915	Blm(-51708), Crtc3(+102171)	N/A
Chr7	80652464	80652589	Chr7.56978	Blm(-117529), Crtc3(+36350)	N/A
Chr7	80655518	80655619	Chr7.56986	Blm(-120571), Crtc3(+35309)	N/A
Chr7	80666643	80666746	Chr7.56994	Blm(-131697), Crtc3(+22182)	N/A
Chr7	80666992	80667171	Chr7.56997	Blm(-132084), Crtc3(+21795)	N/A
Chr7	80779361	80779522	Chr7.57153	Crtc3(-90565), Iqgap1(+23889)	N/A
Chr7	80796833	80787048	Chr7.57156	Crtc3(-98064), Iqgap1(+16390)	N/A
Chr7	80791897	80789350	Chr7.57159	Crtc3(-100379), Iqgap1(+14057)	N/A
Chr7	80796289	80796403	Chr7.57165	Crtc3(-107469), Iqgap1(+6985)	N/A
Chr7	80915529	80915646	Chr7.57243	Nmb(-10512), Sec11a(+32192)	N/A
Chr7	81042569	81042756	Chr7.57374	Alpk3(-14937), Zfp592(+48982)	N/A
Chr7	81058792	81058970	Chr7.57383	Slc28a1(-50969), Alpk3(+1281)	N/A
Chr7	81063702	81064017	Chr7.57391	Slc28a1(-50969), Alpk3(+6260)	N/A
Chr7	81066897	81067083	Chr7.57404	Slc28a1(-47865), Alpk3(+6385)	N/A
Chr7	19085188	19085299	Chr7.5755	Six5(-9350), Dmpk(+1395)	N/A
Chr7	81261599	81262006	Chr7.57659	Pde8a(+48207), Rps17(+83451)	N/A
Chr7	81372347	81372653	Chr7.57803	Rps17(-27246), Cpeb1(+82258)	N/A
Chr7	81372718	81372966	Chr7.57811	Rps17(-27588), Cpeb1(+81916)	N/A
Chr7	81489599	81489779	Chr7.57848	Cpeb1(-34631), Ap3b2(+4236)	N/A
Chr7	81653918	81654109	Chr7.58156	Homer2(+52911), Whamm(+82722)	N/A
Chr7	19093659	19093759	Chr7.5816	Six5(-885)	N/A
Chr7	81654142	81654337	Chr7.58161	Homer2(+52685), Whamm(+82948)	N/A
Chr7	19094021	19094273	Chr7.5819	Six5(-447)	N/A
Chr7	19094377	19094483	Chr7.5824	Six5(-164)	N/A
Chr7	81840702	81840836	Chr7.58264	Btbd1(-11338), Gm10160(+15025)	N/A
Chr7	81991234	81991438	Chr7.58402	Bnc1(+963)	N/A
Chr7	81996049	81996259	Chr7.58499	Bnc1(-3855)	N/A
Chr7	81995669	81996675	Chr7.58511	Sh3g3(-175174), Bnc1(-7323)	N/A
Chr7	82012641	82012818	Chr7.58529	Sh3g3(-162066), Bnc1(-20431)	N/A
Chr7	82017508	82017617	Chr7.58546	Sh3g3(-157233), Bnc1(-26264)	N/A
Chr7	82029797	82030043	Chr7.58557	Sh3g3(-144878), Bnc1(-37621)	N/A

Chr7	82034071	82034369	Chr7.58577	Sh3g3(-140576),Bnc1(-41921)	N/A
Chr7	82047386	82047713	Chr7.58585	Sh3g3(-127246),Bnc1(-55251)	N/A
Chr7	82050673	82050799	Chr7.58597	Sh3g3(-118060),Bnc1(-64437)	N/A
Chr7	82058992	82057171	Chr7.58602	Sh3g3(-11774),Bnc1(-64783)	N/A
Chr7	82060863	82061073	Chr7.58604	Sh3g3(-113828),Bnc1(-68669)	N/A
Chr7	82064569	82064920	Chr7.58618	Bnc1(-92446),Sh3g3(-90051)	N/A
Chr7	82113230	82113332	Chr7.58635	Bnc1(-120982),Sh3g3(-61515)	N/A
Chr7	82115003	82115107	Chr7.58641	Bnc1(-122756),Sh3g3(-59741)	N/A
Chr7	82336303	82336469	Chr7.58711	Adamt3(-454)	N/A
Chr7	82366135	82366365	Chr7.58735	Adamt3(-30518),Saxo2(+282273)	N/A
Chr7	82386975	82387091	Chr7.58755	Adamt3(+51301),Saxo2(+261490)	N/A
Chr7	82387540	82387689	Chr7.58761	Adamt3(+51883),Saxo2(+260908)	N/A
Chr7	82425246	82425390	Chr7.58812	Adamt3(+89586),Saxo2(+223205)	N/A
Chr7	82425427	82425546	Chr7.58813	Adamt3(+89753),Saxo2(+223036)	N/A
Chr7	82425629	82425789	Chr7.58815	Adamt3(+89977),Saxo2(+222814)	N/A
Chr7	82439030	82439140	Chr7.58824	Adamt3(+103353),Saxo2(+200438)	N/A
Chr7	82530739	82530876	Chr7.58812	Saxo2(+117715),Adamt3(+195076)	N/A
Chr7	82534282	82534384	Chr7.58923	Saxo2(+114190),Adamt3(+198601)	N/A
Chr7	19119802	19119945	Chr7.5894	Gm4969(-1506),Fbxo46(+15)	N/A
Chr7	19120044	19120145	Chr7.5896	Gm4969(-1727),Fbxo46(+236)	N/A
Chr7	82556105	82556249	Chr7.58990	Saxo2(+92346),Adamt3(+220445)	N/A
Chr7	82580079	82580221	Chr7.59037	Saxo2(+68373),Adamt3(+244418)	N/A
Chr7	82702512	82702695	Chr7.59219	170001004rk(-149359),Erl1(+53963)	N/A
Chr7	82702732	82703012	Chr7.59223	170001004rk(-149091),Erl1(+54231)	N/A
Chr7	82716415	82716558	Chr7.59233	170001004rk(-135476),Erl1(+67846)	N/A
Chr7	82720799	82721044	Chr7.59244	170001004rk(-131041),Erl1(+72281)	N/A
Chr7	82725224	82725334	Chr7.59246	170001004rk(-126684),Erl1(+76638)	N/A
Chr7	82864010	82864152	Chr7.59321	Mex3b(-3252)	N/A
Chr7	82865493	82865602	Chr7.59323	Mex3b(-1785)	N/A
Chr7	82868198	82868349	Chr7.59332	Mex3b(+941)	N/A
Chr7	82868453	82868569	Chr7.59334	A530021j07rk(-280135),Mex3b(-11776)	N/A
Chr7	82870394	82870520	Chr7.59360	A530021j07rk(-278167),Mex3b(-3124)	N/A
Chr7	82870817	82871126	Chr7.59363	A530021j07rk(-277672),Mex3b(+3639)	N/A
Chr7	82923816	82924155	Chr7.59378	A530021j07rk(-224658),Mex3b(+56653)	N/A
Chr7	82943590	82943876	Chr7.59386	A530021j07rk(-204911),Mex3b(+76400)	N/A
Chr7	82972446	82972930	Chr7.59393	A530021j07rk(-175956),Mex3b(+105355)	N/A
Chr7	83360701	83360954	Chr7.59425	A530021j07rk(-87816),Mex3b(+193495)	N/A
Chr7	83077344	83077484	Chr7.59441	A530021j07rk(-71230),Mex3b(+210081)	N/A
Chr7	83077806	83078072	Chr7.59445	A530021j07rk(-70705),Mex3b(+210606)	N/A
Chr7	83202231	83202564	Chr7.59493	A530021j07rk(+53754),Gm10610(+347860)	N/A
Chr7	83229846	83229985	Chr7.59507	A530021j07rk(+81272),Gm10610(+320342)	N/A
Chr7	83236296	83236444	Chr7.59509	A530021j07rk(+89727),Gm10610(+311887)	N/A
Chr7	83290047	83290288	Chr7.59523	A530021j07rk(+141624),Gm10610(+260909)	N/A
Chr7	83312294	83312404	Chr7.59529	A530021j07rk(+163705),Gm10610(+237909)	N/A
Chr7	83383121	83383311	Chr7.59540	Gm10610(+167042),A530021j07rk(+234572)	N/A
Chr7	83433347	83433591	Chr7.59547	Gm10610(+116789),A530021j07rk(+284825)	N/A
Chr7	83443501	83443910	Chr7.59550	Gm10610(+106552),A530021j07rk(+295062)	N/A
Chr7	83444089	83444263	Chr7.59560	Gm10610(+106079),A530021j07rk(+295353)	N/A
Chr7	83459577	83459879	Chr7.59566	Gm10610(+90530),A530021j07rk(+311084)	N/A
Chr7	83745890	83746106	Chr7.59861	Itf6(-10475),Gm7964(-9906)	N/A
Chr7	83769460	83769686	Chr7.59882	Gm7964(+13619),Clap161(+25357)	N/A
Chr7	83842990	83843130	Chr7.59930	Clap161(-48180),Tlnr1(+41281)	N/A
Chr7	83884265	83884409	Chr7.59966	Tlnr1(+4)	N/A
Chr7	84063055	84063158	Chr7.60251	Ccmg(-23396),Mecd(+171106)	N/A
Chr7	84315627	84315775	Chr7.60401	Abhd17c(-163808),Amt2(+94238)	N/A
Chr7	84329313	84329492	Chr7.60413	Abhd17c(-177510),Amt2(+80556)	N/A
Chr7	84333031	84333164	Chr7.60420	Abhd17c(-181205),Amt2(+76861)	N/A
Chr7	84372361	84372622	Chr7.60474	Abhd17c(-220599),Amt2(+37467)	N/A
Chr7	84401618	84401730	Chr7.60480	Abhd17c(-249781),Amt2(+6285)	N/A
Chr7	84652860	84653085	Chr7.60594	Fah1(-47146),Zland6(+26378)	N/A
Chr7	84679118	84679617	Chr7.60601	Zland6(-17)	N/A
Chr7	19176528	19176627	Chr7.6077	Emi2(-4626)	N/A
Chr7	19181101	19181233	Chr7.6091	Emi2(-37)	N/A
Chr7	87584806	87584767	Chr7.60947	Tyr1(-91276),Gm5(-17857)	N/A
Chr7	87925761	87925994	Chr7.61091	Ctsc(-352207),Gm5(-32334)	N/A
Chr7	87926027	87926169	Chr7.61096	Ctsc(-351987),Gm5(-323554)	N/A
Chr7	88131896	88131995	Chr7.61252	Ctsc(-146139),Gm5(+529402)	N/A
Chr7	88288727	88288863	Chr7.61324	Rab38(-141478),Ctsc(+10710)	N/A
Chr7	89040364	89040487	Chr7.61679	Tmem135(+298361),Rab38(+610153)	N/A
Chr7	89051591	89051525	Chr7.61690	Tmem135(+287329),Rab38(+621169)	N/A
Chr7	89115861	89115873	Chr7.61727	Tmem135(+223029),Rab38(+68494)	N/A
Chr7	89156803	89157053	Chr7.61778	Tmem135(+181859),Rab38(+726655)	N/A
Chr7	89171071	89171282	Chr7.61798	Tmem135(+167610),Rab38(+740904)	N/A
Chr7	89183085	89183258	Chr7.61809	Tmem135(+155615),Rab38(+752899)	N/A
Chr7	89183856	89184182	Chr7.61811	Tmem135(+154768),Rab38(+753746)	N/A
Chr7	89193498	89193835	Chr7.61818	Tmem135(+145123),Rab38(+763396)	N/A
Chr7	89210581	89210787	Chr7.61836	Tmem135(+128103),Rab38(+780411)	N/A
Chr7	89356096	89356635	Chr7.61882	Fzd4(-48000),Tmem135(-17579)	N/A
Chr7	89386258	89386395	Chr7.61909	Tmem135(-47540),Fzd4(-18039)	N/A
Chr7	89386622	89386931	Chr7.61914	Tmem135(-47990),Fzd4(-17589)	N/A
Chr7	89388688	89388619	Chr7.61921	Tmem135(-50317),Fzd4(-15262)	N/A
Chr7	89391713	89391614	Chr7.61926	Tmem135(-53027),Fzd4(-12552)	N/A
Chr7	89403527	89403663	Chr7.61951	Fzd4(-771)	N/A
Chr7	89405185	89405316	Chr7.61962	Fzd4(+885)	N/A
Chr7	89405922	89406452	Chr7.61965	Fzd4(+1821),Prss23(+111399)	N/A
Chr7	89409533	89409974	Chr7.62018	Fzd4(+5388),Prss23(+107832)	N/A
Chr7	89419488	89410603	Chr7.62027	Fzd4(+6189),Prss23(+10740)	N/A
Chr7	89423291	89423452	Chr7.62090	Fzd4(+19006),Prss23(+94214)	N/A
Chr7	89433318	89433485	Chr7.62073	Fzd4(+29036),Prss23(+84184)	N/A
Chr7	89434318	89434473	Chr7.62076	Fzd4(+30030),Prss23(+83190)	N/A
Chr7	89438214	89438340	Chr7.62084	Fzd4(+33911),Prss23(+79309)	N/A
Chr7	89441475	89441589	Chr7.62088	Fzd4(+37168),Prss23(+76054)	N/A
Chr7	89442407	89442538	Chr7.62090	Fzd4(-38107),Prss23(-75113)	N/A
Chr7	89456324	89456819	Chr7.62098	Fzd4(+82206),Prss23(+61014)	N/A
Chr7	89461289	89461408	Chr7.62107	Prss23(+56237),Fzd4(+56983)	N/A
Chr7	89464247	89464383	Chr7.62110	Prss23(+53271),Fzd4(+59949)	N/A
Chr7	19228631	19228803	Chr7.62114	Opb3(+383)	N/A
Chr7	89563640	89563798	Chr7.62229	Mex3(-86989),Prss23(-46132)	N/A
Chr7	89627980	89628106	Chr7.62261	Mex3(-4660)	N/A
Chr7	89639166	89639325	Chr7.62276	A230065n10rk(-6122),Ccdc81(+264372)	N/A
Chr7	89639418	89639530	Chr7.62280	A230065n10rk(-6350),Ccdc81(+264144)	N/A
Chr7	89676707	89676825	Chr7.62317	A230065n10rk(-43642),Ccdc81(+226852)	N/A
Chr7	89678242	89678545	Chr7.62319	A230065n10rk(-46270),Ccdc81(+24224)	N/A
Chr7	89748464	89748609	Chr7.62374	A230065n10rk(-115413),Ccdc81(+155081)	N/A
Chr7	89749199	89749309	Chr7.62377	A230065n10rk(-116130),Ccdc81(+154364)	N/A
Chr7	89769208	89769427	Chr7.62381	A230065n10rk(-136194),Ccdc81(+134300)	N/A
Chr7	89769820	89770135	Chr7.62385	A230065n10rk(-136854),Ccdc81(+133640)	N/A
Chr7	89770279	89770389	Chr7.62389	A230065n10rk(-137210),Ccdc81(+133284)	N/A
Chr7	19257446	19257763	Chr7.6239	Vasp(+14212),Opb3(+29271)	N/A
Chr7	89773994	89774105	Chr7.62393	A230065n10rk(-140926),Ccdc81(+129568)	N/A
Chr7	89809762	89809862	Chr7.62428	A230065n10rk(-176688),Ccdc81(+93806)	N/A
Chr7	89828695	89828814	Chr7.62435	A230065n10rk(-195631),Ccdc81(+74863)	N/A
Chr7	89855733	89855871	Chr7.62483	A230065n10rk(-222678),Ccdc81(+47816)	N/A
Chr7	89856376	89856475	Chr7.62491	A230065n10rk(-223302),Ccdc81(+47192)	N/A
Chr7	89980406	89981035	Chr7.62601	Eed1(-2632)	N/A
Chr7	90029162	90029329	Chr7.62627	Picalm(-100986),Eed1(-48263)	N/A
Chr7	90036701	90036830	Chr7.62632	Picalm(-93466),Eed1(-55783)	N/A
Chr7	90041072	90041184	Chr7.62640	Picalm(-89104),Eed1(-60145)	N/A
Chr7	90049801	90049933	Chr7.62654	Picalm(-80365),Eed1(-68884)	N/A
Chr7	90059851	90059984	Chr7.62660	Eed1(-78760),Picalm(-70459)	N/A
Chr7	90059970	90060176	Chr7.62665	Eed1(-79090),Picalm(-70159)	N/A
Chr7	90060918	90061044	Chr7.62673	Eed1(-79998),Picalm(-69251)	N/A
Chr7	90061782	90061983	Chr7.62675	Eed1(-80900),Picalm(-68349)	N/A
Chr7	90068103	90068223	Chr7.62677	Eed1(-87185),Picalm(-62064)	N/A
Chr7	90085836	90086015	Chr7.62688	Eed1(-104943),Picalm(-44306)	N/A
Chr7	90091928	90092197	Chr7.62689	Eed1(-111080),Picalm(-38169)	N/A
Chr7	90095871	90096104	Chr7.62706	Eed1(-115005),Picalm(-34544)	N/A
Chr7	90128942	90129106	Chr7.62738	Picalm(-1208)	N/A
Chr7	90129228	90129522	Chr7.62739	Picalm(-857)	N/A
Chr7	90130233	90130345	Chr7.62748	Picalm(+57)	N/A
Chr7	90131804	90131905	Chr7.62753	Picalm(+1623),Ccdc83(+133577)	N/A
Chr7	90205914	90206281	Chr7.62829	Ccdc83(+59334),Picalm(+75846)	N/A
Chr7	90216046	90216177	Chr7.62853	Ccdc83(+49320),Picalm(+85880)	N/A
Chr7	90216519	90216678	Chr7.62856	Ccdc83(+48833),Picalm(+86367)	N/A
Chr7	19271506	19271689	Chr7.6287	Vasp(+219)	N/A
Chr7	90231461	90231603	Chr7.62870	Ccdc83(+33900),Picalm(+101300)	N/A
Chr7	90304162	90304368	Chr7.62923	Syl2(-76371),Ccdc83(-38493)	N/A
Chr7	90341424	90341543	Chr7.62960	Ccdc83(-76052),Syl2(-39182)	N/A

Chr7	90387087	90387333	Chr7.63068	Ccdc89(-39102), Sytl2(+6564)	N/A
Chr7	90387439	90387687	Chr7.63071	Ccdc89(-38749), Sytl2(+6917)	N/A
Chr7	90442729	90442831	Chr7.63179	Crebzf(-1)	N/A
Chr7	90444197	90444459	Chr7.63192	Crebzf(+1547), Tmem126a(+12901)	N/A
Chr7	90444515	90444915	Chr7.63193	Crebzf(+1934), Tmem126a(+12514)	N/A
Chr7	90445353	90445605	Chr7.63198	Crebzf(+2698), Tmem126a(+11750)	N/A
Chr7	90446247	90446487	Chr7.63202	Crebzf(+3586), Tmem126a(+10862)	N/A
Chr7	90476611	90476740	Chr7.63258	Tmem126b(-675)	N/A
Chr7	90476799	90477351	Chr7.63259	Tmem126b(-1074)	N/A
Chr7	90282740	90282896	Chr7.63337	Ppm1n(-2759), Rtn2(+156)	N/A
Chr7	90784704	90784999	Chr7.63405	Tmem126b(-308851), Dlg2(-305854)	N/A
Chr7	90886972	90887188	Chr7.63472	Tmem126b(-411079), Dlg2(-203626)	N/A
Chr7	90887253	90887882	Chr7.63474	Tmem126b(-411567), Dlg2(-203138)	N/A
Chr7	19291408	19291541	Chr7.6390	Rtn2(+8913), Fosl1(+18570)	N/A
Chr7	91079395	91079476	Chr7.63918	Tmem126b(-603420), Dlg2(-11285)	N/A
Chr7	91090704	91091260	Chr7.63639	Dlg2(+286)	N/A
Chr7	19295923	19296063	Chr7.6382	Rtn2(+13331), Fosl1(+14052)	N/A
Chr7	91262855	91263000	Chr7.63821	Dlg2(+172222)	N/A
Chr7	91542717	91542942	Chr7.64090	Dlg2(+452124)	N/A
Chr7	91543391	91543249	Chr7.64094	Dlg2(+452064)	N/A
Chr7	19305887	19305854	Chr7.6419	Fosl1(+1324), Rtn2(+26059)	N/A
Chr7	19310259	19310385	Chr7.6435	Fosl1(-277)	N/A
Chr7	91832199	91832302	Chr7.64402	Ccdc90b(-728898), Dlg2(+741545)	N/A
Chr7	91894083	91894305	Chr7.64445	Ccdc90b(-66955), Dlg2(+803488)	N/A
Chr7	19319504	19319606	Chr7.64445	Ercc1(-26223), Fosl1(-9510)	N/A
Chr7	92114082	92114277	Chr7.64600	Ccdc90b(-446969)	N/A
Chr7	92180520	92180624	Chr7.64659	Ccdc90b(-390577)	N/A
Chr7	92180682	92180794	Chr7.64662	Ccdc90b(-380411)	N/A
Chr7	92211447	92211562	Chr7.64700	Ccdc90b(-349644)	N/A
Chr7	92234817	92235293	Chr7.64719	Ccdc90b(-326094)	N/A
Chr7	92235324	92235569	Chr7.64723	Ccdc90b(-325706)	N/A
Chr7	92235603	92235763	Chr7.64726	Ccdc90b(-325466)	N/A
Chr7	92236089	92236302	Chr7.64732	Ccdc90b(-324953)	N/A
Chr7	92236588	92236879	Chr7.64736	Ccdc90b(-324415)	N/A
Chr7	92253635	92256474	Chr7.64755	Ccdc90b(-304729)	N/A
Chr7	92316476	92316617	Chr7.64789	Ccdc90b(-244602)	N/A
Chr7	92384148	92384248	Chr7.64827	Ccdc90b(-176951)	N/A
Chr7	92415470	92415647	Chr7.64851	Ccdc90b(-145590)	N/A
Chr7	92417922	92418165	Chr7.64857	Ccdc90b(-143105)	N/A
Chr7	92418330	92418519	Chr7.64861	Ccdc90b(-142724)	N/A
Chr7	92444822	92445066	Chr7.64914	Ccdc90b(-116205)	N/A
Chr7	92447887	92448085	Chr7.64944	Ccdc90b(-113163)	N/A
Chr7	92448121	92448397	Chr7.64951	Ccdc90b(-112890)	N/A
Chr7	92448563	92448696	Chr7.64957	Ccdc90b(-112519)	N/A
Chr7	92448805	92448965	Chr7.64960	Ccdc90b(-112264)	N/A
Chr7	19361122	19361323	Chr7.6507	Cd3eap(-1742), Ppp1r13(+7)	N/A
Chr7	92666408	92666787	Chr7.65108	Ankrd42(-29458), Pctf1(+3335)	N/A
Chr7	19361977	19361977	Chr7.65112	Cd3eap(-2424), Ppp1r13(+698)	N/A
Chr7	92667270	92667661	Chr7.65120	Ankrd42(-30324), Pctf1(+2467)	N/A
Chr7	92668097	92668413	Chr7.65128	Ankrd42(-31113), Pctf1(+1678)	N/A
Chr7	92668812	92670239	Chr7.65132	Pctf1(+407)	N/A
Chr7	19362279	19362405	Chr7.6516	Cd3eap(-2861), Ppp1r13(+1126)	N/A
Chr7	92742100	92742269	Chr7.65175	Rab30(+582)	N/A
Chr7	92742328	92742702	Chr7.65178	Rab30(+912)	N/A
Chr7	92742946	92743129	Chr7.65184	Rab30(+1435), Ddias(+131175)	N/A
Chr7	92766551	92766806	Chr7.65198	Rab30(+25077), Ddias(+107533)	N/A
Chr7	92766838	92766947	Chr7.65202	Rab30(+25290), Ddias(+107320)	N/A
Chr7	92771177	92777328	Chr7.65223	Rab30(+36650), Ddias(+96960)	N/A
Chr7	9277378	92777592	Chr7.65225	Rab30(+35637), Ddias(+96773)	N/A
Chr7	92822005	92822177	Chr7.65253	Ddias(+5212), Rab30(+80488)	N/A
Chr7	92835984	92836136	Chr7.65298	Ddias(+38153), Rab30(+94457)	N/A
Chr7	92939734	92939943	Chr7.65429	Prp1(+64586), Gm9934(+141188)	N/A
Chr7	92984742	92985167	Chr7.65444	Gm9934(+96072), Prp1(+109702)	N/A
Chr7	92985402	92985688	Chr7.65454	Gm9934(+95482), Prp1(+10292)	N/A
Chr7	93007984	93007279	Chr7.65493	Gm9934(+13845), Prp1(+131929)	N/A
Chr7	93007469	93007700	Chr7.65497	Gm9934(+73442), Prp1(+132332)	N/A
Chr7	93037912	93038037	Chr7.65515	Gm9934(+43052), Prp1(+162722)	N/A
Chr7	93038223	93038415	Chr7.65518	Gm9934(+42708), Prp1(+163066)	N/A
Chr7	93067547	93067835	Chr7.65543	Gm9934(+13336), Prp1(+192438)	N/A
Chr7	93063344	93063454	Chr7.65576	Gm9934(-12372)	N/A
Chr7	93093734	93093889	Chr7.65586	Gm9934(-12790)	N/A
Chr7	93095649	93095792	Chr7.65590	Gm9934(-14694)	N/A
Chr7	93846924	93847034	Chr7.65991	Gm9934(-765952)	N/A
Chr7	94042437	94042550	Chr7.66044	Gm9934(-961467)	N/A
Chr7	94042683	94042906	Chr7.66047	Gm9934(-967158)	N/A
Chr7	94360102	94360250	Chr7.66273	None	N/A
Chr7	94687970	94688200	Chr7.66470	None	N/A
Chr7	95350408	95350565	Chr7.66891	Gm9966(-607728)	N/A
Chr7	95682721	95682907	Chr7.67142	Gm9966(-275401)	N/A
Chr7	95688306	95688467	Chr7.67144	Gm9966(-269828)	N/A
Chr7	95688777	95689010	Chr7.67146	Gm9966(-269318)	N/A
Chr7	95689274	95689577	Chr7.67152	Gm9966(-268799)	N/A
Chr7	95734545	95734769	Chr7.67182	Gm9966(-223558)	N/A
Chr7	95814496	95814708	Chr7.67245	Gm9966(-143613)	N/A
Chr7	95834736	95834866	Chr7.67262	Gm9966(-123414)	N/A
Chr7	95902827	95902794	Chr7.67318	Gm9966(-55504)	N/A
Chr7	96096899	96096278	Chr7.67472	Tenn4(-114453), Gm9966(+137969)	N/A
Chr7	96171024	96171165	Chr7.67522	Tenn4(-39542), Gm9966(+212880)	N/A
Chr7	96212880	96213057	Chr7.67579	Nars2(-738536), Tenn4(+2332)	N/A
Chr7	96229531	96229667	Chr7.67606	Nars2(-721906), Tenn4(+18962)	N/A
Chr7	96230338	96230525	Chr7.67610	Nars2(-721073), Tenn4(+19795)	N/A
Chr7	96265960	96266080	Chr7.67649	Nars2(-685485), Tenn4(+55383)	N/A
Chr7	96277536	96277640	Chr7.67663	Nars2(-673917), Tenn4(+66951)	N/A
Chr7	96277684	96277840	Chr7.67666	Nars2(-673743), Tenn4(+67125)	N/A
Chr7	96290988	96291109	Chr7.67693	Nars2(-660456), Tenn4(+80412)	N/A
Chr7	96305676	96305798	Chr7.67712	Nars2(-645768), Tenn4(+95100)	N/A
Chr7	96374040	96374154	Chr7.67786	Nars2(-577408), Tenn4(+163460)	N/A
Chr7	96384126	96384362	Chr7.67797	Nars2(-567261), Tenn4(+173607)	N/A
Chr7	96391184	96391304	Chr7.67809	Nars2(-560261), Tenn4(+180607)	N/A
Chr7	96400512	96400654	Chr7.67825	Nars2(-550922), Tenn4(+189946)	N/A
Chr7	96407428	96407608	Chr7.67838	Nars2(-543987), Tenn4(+196881)	N/A
Chr7	96414338	96414606	Chr7.67843	Nars2(-537033), Tenn4(+203835)	N/A
Chr7	96420895	96427101	Chr7.67853	Nars2(-524507), Tenn4(+216361)	N/A
Chr7	96484266	96484440	Chr7.67905	Nars2(-467152), Tenn4(+273716)	N/A
Chr7	96512075	96512271	Chr7.67931	Nars2(-439332), Tenn4(+301536)	N/A
Chr7	96523705	96523876	Chr7.67947	Nars2(-427714), Tenn4(+313154)	N/A
Chr7	96529625	96529729	Chr7.67959	Nars2(-421828), Tenn4(+319040)	N/A
Chr7	96531066	96531182	Chr7.67961	Nars2(-420381), Tenn4(+320487)	N/A
Chr7	96536555	96536866	Chr7.67966	Nars2(-414799), Tenn4(+326069)	N/A
Chr7	96540840	96540809	Chr7.67969	Nars2(-410780), Tenn4(+330368)	N/A
Chr7	96552293	96552402	Chr7.67984	Nars2(-399157), Tenn4(+341711)	N/A
Chr7	96555839	96555952	Chr7.68002	Nars2(-395609), Tenn4(+345259)	N/A
Chr7	96556961	96557171	Chr7.68004	Nars2(-394439), Tenn4(+346429)	N/A
Chr7	96561811	96561932	Chr7.68007	Nars2(-389533), Tenn4(+351235)	N/A
Chr7	96575374	96575592	Chr7.68020	Nars2(-376022), Tenn4(+364846)	N/A
Chr7	96565738	96565889	Chr7.68038	Nars2(-355691), Tenn4(+385177)	N/A
Chr7	96596516	96596679	Chr7.68042	Nars2(-354907), Tenn4(+385961)	N/A
Chr7	96600694	96600841	Chr7.68050	Nars2(-350737), Tenn4(+390131)	N/A
Chr7	96604572	96604734	Chr7.68054	Nars2(-346852), Tenn4(+394016)	N/A
Chr7	96609758	96610132	Chr7.68058	Nars2(-341560), Tenn4(+399308)	N/A
Chr7	96619531	96620077	Chr7.68061	Nars2(-331501), Tenn4(+409367)	N/A
Chr7	96620143	96620299	Chr7.68062	Nars2(-331284), Tenn4(+409594)	N/A
Chr7	96636123	96636252	Chr7.68071	Nars2(-315317), Tenn4(+425551)	N/A
Chr7	96648864	96649048	Chr7.68089	Nars2(-302549), Tenn4(+438319)	N/A
Chr7	96650731	96650860	Chr7.68095	Nars2(-300709), Tenn4(+440159)	N/A
Chr7	96650890	96650992	Chr7.68097	Nars2(-300564), Tenn4(+40304)	N/A
Chr7	96652197	96652320	Chr7.68100	Nars2(-299246), Tenn4(+441622)	N/A
Chr7	96655184	96655323	Chr7.68107	Nars2(-296251), Tenn4(+444617)	N/A
Chr7	96657221	96657521	Chr7.68111	Nars2(-294134), Tenn4(+446734)	N/A
Chr7	96660900	96661036	Chr7.68123	Nars2(-290537), Tenn4(+450331)	N/A
Chr7	96661732	96662034	Chr7.68130	Nars2(-289522), Tenn4(+451248)	N/A
Chr7	96665996	96666832	Chr7.68144	Nars2(-282791), Tenn4(+458077)	N/A
Chr7	96670933	96671190	Chr7.68146	Nars2(-280443), Tenn4(+460425)	N/A
Chr7	96672171	96672386	Chr7.68149	Nars2(-279226), Tenn4(+461642)	N/A
Chr7	96672443	96672544	Chr7.68154	Nars2(-279011), Tenn4(+461857)	N/A
Chr7	96672837	96672798	Chr7.68157	Nars2(-278787), Tenn4(+462081)	N/A
Chr7	96718231	96718423	Chr7.68227	Nars2(-233178), Tenn4(+507890)	N/A
Chr7	96732167	96732282	Chr7.68259	Nars2(-219280), Tenn4(+521588)	N/A

Chr7	96734127	96734265	Chr7.68267	Nars2(-217309),Tenn4(+523559)	N/A
Chr7	96740231	96740748	Chr7.68286	Nars2(-211015),Tenn4(+529853)	N/A
Chr7	96743901	96744106	Chr7.68296	Nars2(-207507),Tenn4(+533967)	N/A
Chr7	96748683	96748855	Chr7.68301	Nars2(-202736),Tenn4(+539132)	N/A
Chr7	96749784	96750025	Chr7.68305	Nars2(-201600),Tenn4(+539268)	N/A
Chr7	96758476	96758663	Chr7.68316	Nars2(-192935),Tenn4(+547933)	N/A
Chr7	96761112	96761391	Chr7.68322	Nars2(-190253),Tenn4(+550615)	N/A
Chr7	96765344	96765691	Chr7.68325	Nars2(-185987),Tenn4(+554881)	N/A
Chr7	96773224	96773441	Chr7.68341	Nars2(-178172),Tenn4(+562596)	N/A
Chr7	96775222	96775164	Chr7.68352	Nars2(-176412),Tenn4(+564560)	N/A
Chr7	96776262	96776419	Chr7.68359	Nars2(-175164),Tenn4(+565704)	N/A
Chr7	96785897	96786190	Chr7.68385	Nars2(-165461),Tenn4(+575407)	N/A
Chr7	96786277	96786471	Chr7.68392	Nars2(-165131),Tenn4(+575737)	N/A
Chr7	96796930	96797040	Chr7.68414	Nars2(-154520),Tenn4(+586348)	N/A
Chr7	96798110	96798258	Chr7.68424	Nars2(-153321),Tenn4(+587547)	N/A
Chr7	96799916	96800092	Chr7.68428	Nars2(-151501),Tenn4(+589367)	N/A
Chr7	96801397	96801621	Chr7.68437	Nars2(-149996),Tenn4(+590872)	N/A
Chr7	96805056	96805179	Chr7.68444	Nars2(-146387),Tenn4(+594481)	N/A
Chr7	96808051	96808205	Chr7.68452	Nars2(-143377),Tenn4(+597491)	N/A
Chr7	96816915	96817081	Chr7.68465	Nars2(-134507),Tenn4(+606361)	N/A
Chr7	19456212	19456354	Chr7.68468	A9300166220k(-34866),Mark4(+2211)	N/A
Chr7	96834754	96835015	Chr7.68490	Nars2(-116620),Tenn4(+624248)	N/A
Chr7	96835187	96835467	Chr7.68495	Nars2(-116178),Tenn4(+624649)	N/A
Chr7	96835536	96835664	Chr7.68499	Nars2(-115905),Tenn4(+624963)	N/A
Chr7	96838178	96838408	Chr7.68506	Nars2(-113712),Tenn4(+627656)	N/A
Chr7	19463148	19463319	Chr7.6852	Mark4(+4740)	N/A
Chr7	96859942	96860123	Chr7.68541	Nars2(-91472),Tenn4(+649396)	N/A
Chr7	19464850	19465032	Chr7.6855	Exoc32(-24115),Mark4(+6447)	N/A
Chr7	96863555	96865614	Chr7.68559	Nars2(-86020),Tenn4(+654848)	N/A
Chr7	96882130	96882253	Chr7.68612	Nars2(-69313),Tenn4(+671555)	N/A
Chr7	96887339	96887450	Chr7.68627	Nars2(-64110),Tenn4(+676758)	N/A
Chr7	96890640	96890783	Chr7.68644	Nars2(-60793),Tenn4(+680075)	N/A
Chr7	96899068	96899223	Chr7.68715	Nars2(-62359),Tenn4(+688509)	N/A
Chr7	96904584	96904769	Chr7.68727	Nars2(-46828),Tenn4(+694040)	N/A
Chr7	96910310	96910450	Chr7.68771	Nars2(-41125),Tenn4(+699743)	N/A
Chr7	96910751	96910970	Chr7.68775	Nars2(-40641),Tenn4(+700227)	N/A
Chr7	96964019	96964202	Chr7.68810	Gab2(-97640),Nars2(-32605)	N/A
Chr7	96986043	96986178	Chr7.68812	Gab2(-95640),Nars2(-34066)	N/A
Chr7	97079843	97079973	Chr7.68891	Gab2(-1843)	N/A
Chr7	97082318	97082445	Chr7.68896	Gab2(+631)	N/A
Chr7	97083020	97083120	Chr7.68899	Gab2(+1319),Usp35(+248950)	N/A
Chr7	97155303	97155478	Chr7.68924	Gab2(+73640),Usp35(+176629)	N/A
Chr7	97172355	97172463	Chr7.68947	Gab2(+90658),Usp35(+159611)	N/A
Chr7	97183594	97183777	Chr7.68957	Gab2(+101935),Usp35(+148334)	N/A
Chr7	97247889	97248010	Chr7.68988	Usp35(+84070),Gab2(+166199)	N/A
Chr7	19491840	19492063	Chr7.6902	Exoc32(+2896),Bloc1s3(+16379)	N/A
Chr7	19495914	19496103	Chr7.6910	Exoc32(+64953),Bloc1s3(+12322)	N/A
Chr7	97331846	97331972	Chr7.69142	Kctd2(-418),Usp35(+111)	N/A
Chr7	97332037	97332141	Chr7.69146	Kctd2(-239),Usp35(-69)	N/A
Chr7	97446601	97446945	Chr7.69205	Thrap(-29043),Kctd14(-6431)	N/A
Chr7	97579680	97579811	Chr7.69373	Aamd(-250),Raf1(-150)	N/A
Chr7	97580510	97580621	Chr7.69380	Aamd(-1070),Raf1(+670)	N/A
Chr7	97590972	97591157	Chr7.69385	Aamd(-1569),Raf1(+1169)	N/A
Chr7	97736987	97737091	Chr7.69527	Aqp11(-1208),Gm999(+16200)	N/A
Chr7	97757145	97757271	Chr7.69545	Pak1(-85727),Aqp11(-18961)	N/A
Chr7	97757428	97757564	Chr7.69549	Pak1(-85439),Aqp11(-19249)	N/A
Chr7	97804543	97804840	Chr7.69577	Aqp11(-66445),Pak1(-38243)	N/A
Chr7	97842878	97843008	Chr7.69600	Pak1(+8)	N/A
Chr7	97867975	97868143	Chr7.69635	Gdp4(-51896),Pak1(+25124)	N/A
Chr7	97912110	97912242	Chr7.69688	Gdp4(-779),Pak1(+69241)	N/A
Chr7	98119509	98119631	Chr7.69969	Myo7a(-46)	N/A
Chr7	98149800	98149900	Chr7.70065	Omp(-4348)	N/A
Chr7	98354681	98354851	Chr7.70207	Acer3(-45228),Tsk1(+6522)	N/A
Chr7	98469068	98469210	Chr7.70326	Lrrc32(-25083),Guvy2(+25718)	N/A
Chr7	9849412	98490550	Chr7.70368	Lrrc32(-3741)	N/A
Chr7	98503087	98503200	Chr7.70459	Lrrc32(+8922),A630091e08nk(+59844)	N/A
Chr7	98505040	98505173	Chr7.70461	Lrrc32(+10885),A630091e08nk(+57881)	N/A
Chr7	98522753	98522909	Chr7.70467	Lrrc32(+28609),A630091e08nk(+40157)	N/A
Chr7	98572617	98572818	Chr7.70511	A630091e08nk(-9730),Emsy(+83851)	N/A
Chr7	98574756	98574856	Chr7.70518	A630091e08nk(-11818),Emsy(+81763)	N/A
Chr7	98646530	98644494	Chr7.70665	A630091e08nk(-81424),Emsy(+12157)	N/A
Chr7	98655690	98655895	Chr7.70700	Emsy(+776)	N/A
Chr7	98656433	98656644	Chr7.70707	Emsy(+30)	N/A
Chr7	98664962	98665074	Chr7.70721	Thap12(-38085),Emsy(-8449)	N/A
Chr7	98668174	98668331	Chr7.70727	Thap12(-34850),Emsy(-11684)	N/A
Chr7	98671903	98672041	Chr7.70733	Thap12(-31131),Emsy(-15403)	N/A
Chr7	98672351	98672522	Chr7.70737	Thap12(-30666),Emsy(-15868)	N/A
Chr7	98686015	98686556	Chr7.70746	Emsy(-29717),Thap12(-16817)	N/A
Chr7	98693008	98693222	Chr7.70753	Emsy(-36546),Thap12(-9988)	N/A
Chr7	98702101	98702435	Chr7.70776	Thap12(-835)	N/A
Chr7	98720872	98721143	Chr7.70847	Wnt11(-114123),Thap12(+17905)	N/A
Chr7	98727863	98728135	Chr7.70862	Wnt11(-107072),Thap12(+24956)	N/A
Chr7	98752781	98752898	Chr7.70878	Wnt11(-82291),Thap12(+49737)	N/A
Chr7	98767468	98767591	Chr7.70893	Wnt11(-67601),Thap12(+64427)	N/A
Chr7	98784074	98784255	Chr7.70909	Wnt11(-50966),Thap12(+81062)	N/A
Chr7	98784499	98784797	Chr7.70914	Wnt11(-50483),Thap12(+81545)	N/A
Chr7	98796435	98796573	Chr7.70925	Wnt11(-38627),Thap12(+93401)	N/A
Chr7	98797931	98798043	Chr7.70932	Wnt11(-37144),Thap12(+94884)	N/A
Chr7	98804371	98804590	Chr7.70934	Wnt11(-30650),Thap12(+101378)	N/A
Chr7	98811925	98812036	Chr7.70941	Wnt11(-23150),Thap12(+108878)	N/A
Chr7	98814327	98814535	Chr7.70943	Wnt11(-20700),Thap12(+111328)	N/A
Chr7	98826143	98826358	Chr7.70957	Wnt11(-6880),Thap12(+125148)	N/A
Chr7	98843660	98843871	Chr7.70973	Wnt11(-68335),Uvrag(-297378)	N/A
Chr7	98851417	98851522	Chr7.70993	Wnt11(-16339),Uvrag(+289674)	N/A
Chr7	98857837	98857991	Chr7.71009	Wnt11(-22783),Uvrag(+283230)	N/A
Chr7	98864612	98864724	Chr7.71026	Wnt11(-29537),Uvrag(+276478)	N/A
Chr7	98894994	98895108	Chr7.71073	Wnt11(-59920),Uvrag(+246093)	N/A
Chr7	98895224	98895484	Chr7.71075	Wnt11(-60223),Uvrag(+245780)	N/A
Chr7	98895720	98895839	Chr7.71079	Wnt11(-60649),Uvrag(+245364)	N/A
Chr7	98895870	98896024	Chr7.71082	Wnt11(+60816),Uvrag(+245197)	N/A
Chr7	98903170	98903352	Chr7.71101	Wnt11(+68130),Uvrag(+237883)	N/A
Chr7	98908133	98908252	Chr7.71110	Wnt11(+73062),Uvrag(+232951)	N/A
Chr7	98909940	98910112	Chr7.71111	Wnt11(+74895),Uvrag(+231118)	N/A
Chr7	98910844	98910791	Chr7.71114	Wnt11(+75587),Uvrag(+230426)	N/A
Chr7	98910856	98911103	Chr7.71117	Wnt11(+75849),Uvrag(+230164)	N/A
Chr7	98911147	98911304	Chr7.71120	Wnt11(+76095),Uvrag(+229918)	N/A
Chr7	98911350	98911472	Chr7.71122	Wnt11(+76280),Uvrag(+229733)	N/A
Chr7	98924502	98924845	Chr7.71123	Wnt11(+89543),Uvrag(+216470)	N/A
Chr7	98924913	98925166	Chr7.71124	Wnt11(+89509),Uvrag(+216104)	N/A
Chr7	98928201	98928531	Chr7.71130	Wnt11(+93235),Uvrag(+212778)	N/A
Chr7	98928586	98929008	Chr7.71133	Wnt11(+93666),Uvrag(+212347)	N/A
Chr7	98942982	98943093	Chr7.71157	Wnt11(+107907),Uvrag(+198106)	N/A
Chr7	98954954	98955143	Chr7.71162	Wnt11(+119918),Uvrag(+186095)	N/A
Chr7	98958014	98958606	Chr7.71190	Wnt11(+133719),Uvrag(+172834)	N/A
Chr7	98970780	98970906	Chr7.71198	Wnt11(+135712),Uvrag(+70301)	N/A
Chr7	98970974	98971145	Chr7.71200	Wnt11(+135929),Uvrag(+70084)	N/A
Chr7	98983270	98983714	Chr7.71206	Wnt11(+148361),Uvrag(+157652)	N/A
Chr7	98984032	98984352	Chr7.71211	Wnt11(+149061),Uvrag(+156952)	N/A
Chr7	99016256	99016389	Chr7.71233	Uvrag(+124821),Wnt11(+181192)	N/A
Chr7	99020340	99020476	Chr7.71241	Uvrag(+120739),Wnt11(+185277)	N/A
Chr7	99029534	99029879	Chr7.71246	Uvrag(+111437),Wnt11(+194576)	N/A
Chr7	99046504	99046776	Chr7.71256	Uvrag(+94504),Wnt11(+211509)	N/A
Chr7	99057275	99057554	Chr7.71267	Uvrag(+83729),Wnt11(+222284)	N/A
Chr7	99065570	99065693	Chr7.71274	Uvrag(+75512),Wnt11(+230501)	N/A
Chr7	99071938	99072175	Chr7.71278	Uvrag(+69087),Wnt11(+236926)	N/A
Chr7	99073255	99073384	Chr7.71281	Uvrag(+67824),Wnt11(+238189)	N/A
Chr7	99077019	99077352	Chr7.71287	Uvrag(+63958),Wnt11(+242055)	N/A
Chr7	99134030	99134130	Chr7.71304	Uvrag(+7064),Wnt11(+298949)	N/A
Chr7	99139341	99139497	Chr7.71308	Uvrag(+1725),Wnt11(+304288)	N/A
Chr7	99141253	99141447	Chr7.71319	Uvrag(-206)	N/A
Chr7	99267649	99267750	Chr7.71446	Map6(+206)	N/A
Chr7	99320088	99320389	Chr7.71506	Serpinh1(+23991),Map6(+52792)	N/A
Chr7	99351210	99351345	Chr7.71581	Serpinh1(+1952),Map6(+83831)	N/A
Chr7	99355776	99355879	Chr7.71588	Serpinh1(-2598)	N/A
Chr7	99364257	99364456	Chr7.71590	Gdpd5(-17192),Serpinh1(-11127)	N/A
Chr7	99386023	99386285	Chr7.71610	Kln35(-79850),Gdpd5(+4605)	N/A
Chr7	99424625	99424930	Chr7.71652	Kln35(+41126),Gdpd5(+43328)	N/A
Chr7	99429767	99429932	Chr7.71658	Kln35(-36154),Gdpd5(+48301)	N/A

Chr7	99434853	99434954	Chr7.71662	Klh35(-31100),Gdpd5(+53355)	N/A
Chr7	99474990	99475136	Chr7.71819	Rps3(+8675),Klh35(+9059)	N/A
Chr7	99479561	99479712	Chr7.71828	Rps3(+4101),Klh35(+13633)	N/A
Chr7	99483586	99483746	Chr7.71945	Rps3(+72)	N/A
Chr7	99534378	99534538	Chr7.71853	Arb1(-1008)	N/A
Chr7	99539546	99539660	Chr7.71858	Arb1(+4137),Tpbgl(+87500)	N/A
Chr7	99541485	99541585	Chr7.71860	Arb1(+6069),Tpbgl(+85568)	N/A
Chr7	99544457	99544564	Chr7.71865	Arb1(+9045),Tpbgl(+82592)	N/A
Chr7	99554040	99554205	Chr7.71877	Arb1(+18657),Tpbgl(+72980)	N/A
Chr7	99562941	99562992	Chr7.71880	Arb1(+27151),Tpbgl(+64466)	N/A
Chr7	99573161	99573293	Chr7.71891	Arb1(+37761),Tpbgl(+53876)	N/A
Chr7	99580956	99581070	Chr7.71892	Arb1(+45547),Tpbgl(+46090)	N/A
Chr7	99596948	99597063	Chr7.71938	Tpbgl(+30097),Arb1(+61540)	N/A
Chr7	99624189	99624341	Chr7.71969	Tpbgl(+2838),Arb1(+88799)	N/A
Chr7	19664137	19664246	Chr7.7213	Ciptm1(+638)	N/A
Chr7	19669273	19669392	Chr7.7220	Ciptm1(-4303)	N/A
Chr7	19669429	19669545	Chr7.7223	Ciptm1(-4457)	N/A
Chr7	99859050	99859163	Chr7.72269	Spce2(-224),Xrra1(-111)	N/A
Chr7	99974844	99974965	Chr7.72397	Rnf169(+5553),Xrra1(+115687)	N/A
Chr7	10002947	10003079	Chr7.72413	Chrd2(-391)	N/A
Chr7	10000552	10000663	Chr7.72415	Chrd2(-199)	N/A
Chr7	100043772	100043948	Chr7.72486	Chrd2(+37456),Pold3(+77705)	N/A
Chr7	100057149	100057304	Chr7.72505	Chrd2(+50823),Pold3(+64338)	N/A
Chr7	100201305	100201502	Chr7.72667	Pgm21(-25990),Kcnc3(+22721)	N/A
Chr7	100228402	100228508	Chr7.72698	P4ha3(-57065),Pgm21(+1061)	N/A
Chr7	100288161	100288328	Chr7.72798	P4ha3(-2725),Ppme1(+83651)	N/A
Chr7	100321266	100321368	Chr7.72842	P4ha3(-35812),Ppme1(+50564)	N/A
Chr7	100326736	100327114	Chr7.72845	P4ha3(+41405),Ppme1(+44971)	N/A
Chr7	100327406	100327622	Chr7.72854	P4ha3(+41994),Ppme1(+44382)	N/A
Chr7	100327768	100327891	Chr7.72857	P4ha3(+42310),Ppme1(+44066)	N/A
Chr7	100371921	100372055	Chr7.72885	C2c3(-245),Ppme1(-92)	N/A
Chr7	100372118	100372381	Chr7.72889	Ppme1(-354),C2cd3(+17)	N/A
Chr7	19715864	19715967	Chr7.7302	Tomm40(-491)	N/A
Chr7	100494208	100494382	Chr7.73115	Ucp2(+958)	N/A
Chr7	100533576	100533679	Chr7.73185	Cox4(-3472)	N/A
Chr7	100536874	100537010	Chr7.73190	Cox4(-158)	N/A
Chr7	100561851	100562105	Chr7.73228	D330004n19rk(-14408),Mrgp48(+21074)	N/A
Chr7	100608993	100609106	Chr7.73295	Rab6a(+1464),Plekhh1(+53334)	N/A
Chr7	100632403	100632527	Chr7.73337	Rab6a(+24879),Plekhh1(+29949)	N/A
Chr7	19724759	19724903	Chr7.73334	Tomm40(-9406),Nectin2(+24742)	N/A
Chr7	100654021	100654148	Chr7.73380	Plekhh1(+8329),Rab6a(+46499)	N/A
Chr7	100706177	100706282	Chr7.73414	Fam168a(-472)	N/A
Chr7	100723724	100724129	Chr7.73441	Fam168a(+17230),Relt(+139514)	N/A
Chr7	100838569	100837012	Chr7.73564	Relt(+26510),Fam168a(+130234)	N/A
Chr7	100837216	100837353	Chr7.73566	Relt(+26161),Fam168a(+130583)	N/A
Chr7	100860825	100860943	Chr7.73651	Relt(+2562),Fam168a(+154182)	N/A
Chr7	100868871	100868880	Chr7.73657	Relt(-5290),Arhgef17(+63425)	N/A
Chr7	100873958	100873164	Chr7.73668	Relt(-9655),Arhgef17(+59050)	N/A
Chr7	19740529	19740633	Chr7.7377	Tomm40(-31156),Nectin2(+2992)	N/A
Chr7	100908241	100908347	Chr7.73782	Relt(-44848),Arhgef17(+23867)	N/A
Chr7	100911380	100911564	Chr7.73784	Relt(-48026),Arhgef17(+20689)	N/A
Chr7	100916585	100916750	Chr7.73788	Relt(-53222),Arhgef17(+15493)	N/A
Chr7	100918274	100918412	Chr7.73791	Relt(-54897),Arhgef17(+13618)	N/A
Chr7	100919795	100920012	Chr7.73792	Relt(-56453),Arhgef17(+12263)	N/A
Chr7	100922985	100923114	Chr7.73795	Relt(-59604),Arhgef17(+9111)	N/A
Chr7	100925013	100925156	Chr7.73801	Relt(-61640),Arhgef17(+7075)	N/A
Chr7	101062303	101062429	Chr7.73985	P2ry2(-50375),Fchs2(-46415)	N/A
Chr7	101088795	101088984	Chr7.73997	P2ry2(-76899),Fchs2(-19891)	N/A
Chr7	101092790	101092920	Chr7.74000	P2ry2(-80864),Fchs2(-15926)	N/A
Chr7	101101276	101101410	Chr7.74008	P2ry2(-89350),Fchs2(-7438)	N/A
Chr7	101109322	101109473	Chr7.74023	Fchs2(+617)	N/A
Chr7	101109843	101109954	Chr7.74030	Fchs2(+1118),Atg16i2(+192189)	N/A
Chr7	101110172	101110275	Chr7.74034	Fchs2(+1443),Atg16i2(+191864)	N/A
Chr7	101142934	101143175	Chr7.74054	Fchs2(+34274),Atg16i2(+159033)	N/A
Chr7	101160740	101160892	Chr7.74061	Fchs2(+52035),Atg16i2(+141272)	N/A
Chr7	101228083	101228321	Chr7.74095	Atg16i2(+73886),Fchs2(-119421)	N/A
Chr7	101313088	101313198	Chr7.74250	Atg16i2(-11055),Stard10(-7970)	N/A
Chr7	101327473	101327576	Chr7.74273	Arap1(-20542),Stard10(+6412)	N/A
Chr7	101328975	101329082	Chr7.74275	Arap1(-19038),Stard10(+7916)	N/A
Chr7	101349863	101350146	Chr7.74299	Pde2a(-71623),Arap1(-1999)	N/A
Chr7	101393865	101393991	Chr7.74386	Pde2a(-27763),Arap1(+45861)	N/A
Chr7	19769116	19769258	Chr7.7440	Nectin2(-19614),Bcam(+1360)	N/A
Chr7	101395511	101395627	Chr7.74403	Pde2a(-26122),Arap1(+47502)	N/A
Chr7	101407448	101407548	Chr7.74485	Pde2a(-14193),Arap1(+59431)	N/A
Chr7	101462773	101462957	Chr7.74587	Pde2a(+41174),Ar2b(+118296)	N/A
Chr7	101465515	101465651	Chr7.74593	Pde2a(-43892),Ar2b(+115578)	N/A
Chr7	101466311	101466447	Chr7.74596	Pde2a(-44688),Ar2b(+114782)	N/A
Chr7	101472022	101472130	Chr7.74599	Pde2a(+50385),Ar2b(+109085)	N/A
Chr7	101675579	101675753	Chr7.74775	Phox2a(-142647),Clpb(+12033)	N/A
Chr7	10167929	101677216	Chr7.74777	Phox2a(-141240),Clpb(+13440)	N/A
Chr7	101681773	101682086	Chr7.74785	Phox2a(-136383),Clpb(+18297)	N/A
Chr7	101694581	101694628	Chr7.74790	Phox2a(-133959),Clpb(+20721)	N/A
Chr7	101700545	101700668	Chr7.74816	Phox2a(-117706),Clpb(+36974)	N/A
Chr7	101713844	101714247	Chr7.74839	Phox2a(-104267),Clpb(+50413)	N/A
Chr7	101732063	101732279	Chr7.74855	Phox2a(-86142),Clpb(+68538)	N/A
Chr7	101739479	101739652	Chr7.74860	Phox2a(-78647),Clpb(+76033)	N/A
Chr7	101741730	101742095	Chr7.74864	Phox2a(-76400),Clpb(+78280)	N/A
Chr7	101746378	101746681	Chr7.74867	Phox2a(-71783),Clpb(+82897)	N/A
Chr7	101746867	101746989	Chr7.74869	Phox2a(-71385),Clpb(+83295)	N/A
Chr7	101770795	101771065	Chr7.74899	Phox2a(-47383),Clpb(+107297)	N/A
Chr7	101772772	101773038	Chr7.74904	Phox2a(-45408),Clpb(+109272)	N/A
Chr7	101817905	101818038	Chr7.74951	Phox2a(-341)	N/A
Chr7	101835077	101835198	Chr7.75074	Iqpf1(+13088),Pgap2a(+16825)	N/A
Chr7	19817498	19817670	Chr7.7508	Cblc(-20775),Bcl3(+5186)	N/A
Chr7	101896355	101896461	Chr7.75135	Anapc15(-9)	N/A
Chr7	101896581	101896681	Chr7.75138	Anapc15(+214)	N/A
Chr7	19826919	19827039	Chr7.75174	Bcl3(-4209)	N/A
Chr7	101921499	101921658	Chr7.75210	Lrrc5(-12288),Lambt1(+15741)	N/A
Chr7	101964682	101964789	Chr7.75246	Lrrc5(-30930),Numa1(-5107)	N/A
Chr7	101969741	101969984	Chr7.75251	Numa1(+20)	N/A
Chr7	101970932	101971057	Chr7.75260	Numa1(+1152),I18bp1(+47160)	N/A
Chr7	101973886	101974030	Chr7.75265	Numa1(+4115),I18bp1(+44197)	N/A
Chr7	101974590	101974751	Chr7.75268	Numa1(+4828),I18bp1(+43484)	N/A
Chr7	102002260	102002418	Chr7.75404	I18bp1(+15816),Numa1(+32496)	N/A
Chr7	102014858	102014964	Chr7.75453	I18bp1(+3244),Numa1(+45068)	N/A
Chr7	102210143	102210296	Chr7.75827	Pgap2(-142),Nup98(-100)	N/A
Chr7	102210414	102210520	Chr7.75833	Nup98(-347),Pgap2(+105)	N/A
Chr7	102225627	102225732	Chr7.75844	Pgap2(+15318),Rhog(+24408)	N/A
Chr7	102231250	102231437	Chr7.75866	Rhog(+18744),Pgap2(+20962)	N/A
Chr7	102242137	102242265	Chr7.75908	Rhog(+7887),Pgap2(+51830)	N/A
Chr7	102243997	102244120	Chr7.75910	Rhog(+6029),Pgap2(+33697)	N/A
Chr7	102245260	102245426	Chr7.75913	Rhog(+4745),Pgap2(+34981)	N/A
Chr7	102245921	102246066	Chr7.75914	Rhog(+4094),Pgap2(+35632)	N/A
Chr7	102247117	102247230	Chr7.75918	Rhog(+2917),Pgap2(+36815)	N/A
Chr7	102248717	102248900	Chr7.75921	Rhog(+1279),Pgap2(+38447)	N/A
Chr7	102266537	102266786	Chr7.75927	Stim1(-1162)	N/A
Chr7	102310892	102311181	Chr7.76002	Rrm1(-130658),Stim1(+43213)	N/A
Chr7	102345960	102346125	Chr7.76023	Rrm1(-95652),Stim1(+78219)	N/A
Chr7	102369803	102369993	Chr7.76039	Rrm1(-71797),Stim1(+102074)	N/A
Chr7	102428756	102428953	Chr7.76116	Rrm1(-12840),Stim1(+161031)	N/A
Chr7	24365115	24365270	Chr7.7670	Kcnn4(-5070),Lypp5(+15969)	N/A
Chr7	24370204	24370310	Chr7.7676	Kcnn4(-6)	N/A
Chr7	24485542	24485757	Chr7.7873	Zfp428(-21420),Cadm4(+3627)	N/A
Chr7	24486680	24487025	Chr7.7880	Zfp428(-20217),Cadm4(+4830)	N/A
Chr7	24503981	24504154	Chr7.7908	Zfp428(-3002)	N/A
Chr7	24504237	24504407	Chr7.7910	Zfp428(-2748)	N/A
Chr7	24526604	24526720	Chr7.7936	Iqpf(-3986)	N/A
Chr7	24526928	24527031	Chr7.7939	Iqpf(-3668)	N/A
Chr7	4147158	4147271	Chr7.794	Leng9(+2657),Leng8(+10166)	N/A
Chr7	105399966	105400173	Chr7.80943	Cnga4(-4498),Fam160a2(-16)	N/A
Chr7	105569230	105569412	Chr7.81227	Apbb1(+5081),Smpd1(+14961)	N/A
Chr7	105569829	105569994	Chr7.81228	Apbb1(+4490),Smpd1(+15552)	N/A
Chr7	105628729	105628895	Chr7.81371	Hpx(-28696),Trim3(+4748)	N/A
Chr7	105632411	105632531	Chr7.81377	Hpx(-32355),Trim3(+1089)	N/A
Chr7	105632675	105632790	Chr7.81379	Trim3(-827)	N/A
Chr7	105635573	105635890	Chr7.81383	Trim10b(-4324),Trim3(-2172)	N/A
Chr7	105635967	105636036	Chr7.81384	Trim10b(-4074),Trim3(-2422)	N/A
Chr7	105637593	105637774	Chr7.81398	Trim3(-4124),Trim10b(-2372)	N/A

Chr7		105640080	105640414	Chr7.81408	Artp2(+169),Timm10b(+191)	N/A
Chr7		24630609	24630737	Chr7.81408	Lypd3(-5897),Pnldb3(+19345)	N/A
Chr7		24630421	24630593	Chr7.81408	Lypd3(-63)	N/A
Chr7		105739192	105739369	Chr7.81804	Rp9(-1905)	N/A
Chr7		105767697	105768060	Chr7.82108	Ttp1(-15672),Dchs1(+19671)	N/A
Chr7		105768090	105768262	Chr7.82171	Ttp1(-15969),Dchs1(+19374)	N/A
Chr7		105778856	105778117	Chr7.82252	Ttp1(-25780),Dchs1(+9563)	N/A
Chr7		105778275	105778404	Chr7.82253	Ttp1(-26133),Dchs1(+9210)	N/A
Chr7		105786517	105786702	Chr7.82257	Dchs1(+949)	N/A
Chr7		105793898	105794084	Chr7.82263	Dchs1(-6446),Mpl17(+17103)	N/A
Chr7		105802862	105803055	Chr7.82270	Dchs1(-15409),Mpl17(+8140)	N/A
Chr7		24884529	24884672	Chr7.8242	Rps19(+230)	N/A
Chr7		24888590	24888732	Chr7.8250	Cd79a(-8720),Rps19(+4290)	N/A
Chr7		24904177	24904458	Chr7.8275	Arrgef1(+1266),Rabac1(+68411)	N/A
Chr7		24939331	24939460	Chr7.8379	Rabac1(+33339),Arrgef1(+36338)	N/A
Chr7		24943174	24943336	Chr7.8380	Rabac1(+29473),Arrgef1(+40204)	N/A
Chr7		24948975	24949259	Chr7.8382	Rabac1(+23611),Arrgef1(+46066)	N/A
Chr7		24952461	24952660	Chr7.8386	Rabac1(+20167),Arrgef1(+49510)	N/A
Chr7		107349999	107350098	Chr7.84151	Sy9(-20741),Rbm12(+140604)	N/A
Chr7		107505338	107505540	Chr7.84298	Ofm1(-62007),Sy9(+134649)	N/A
Chr7		107567175	107567379	Chr7.84354	Ofm1(-169)	N/A
Chr7		107574263	107574395	Chr7.84371	Ppfbp2(-32515),Ofm1(+6883)	N/A
Chr7		107592793	107592913	Chr7.84406	Ppfbp2(-13991),Ofm1(+25407)	N/A
Chr7		107593985	107594244	Chr7.84408	Ppfbp2(-12729),Ofm1(+26669)	N/A
Chr7		107619361	107619515	Chr7.84447	S330417h12nk(+5723),Ppfbp2(+12594)	N/A
Chr7		107651598	107651738	Chr7.84454	S330417h12nk(-26507),Cyb5(-10636)	N/A
Chr7		107661922	107662130	Chr7.84475	S330417h12nk(-36965),Cyb5(-29609)	N/A
Chr7		107665231	107665448	Chr7.84488	S330417h12nk(-40179),Cyb5(-29692)	N/A
Chr7		107665641	107665982	Chr7.84490	S330417h12nk(-40651),Cyb5(-29220)	N/A
Chr7		107666039	107666159	Chr7.84494	S330417h12nk(-40938),Cyb5(-29193)	N/A
Chr7		107665278	107665451	Chr7.84513	S330417h12nk(-60204),Cyb5(-27667)	N/A
Chr7		107690466	107690744	Chr7.84522	S330417h12nk(-65444),Cyb5(-57427)	N/A
Chr7		107691667	107691766	Chr7.84526	S330417h12nk(-66556),Cyb5(-26315)	N/A
Chr7		107697810	107697912	Chr7.84536	S330417h12nk(-72700),Cyb5(-26017)	N/A
Chr7		107705272	107705384	Chr7.84546	S330417h12nk(-80167),Cyb5(-52704)	N/A
Chr7		25004895	25005015	Chr7.8517	Alp1a3(+940)	N/A
Chr7		108958677	108958779	Chr7.85816	Tub(-45102),Elf3(+31306)	N/A
Chr7		108972402	108972507	Chr7.85829	Tub(-38370),Elf3(+38038)	N/A
Chr7		108972747	108972880	Chr7.85832	Tub(-38011),Elf3(+38397)	N/A
Chr7		109142680	109142869	Chr7.86000	Ric3(-59444),Lmo1(+27533)	N/A
Chr7		109146266	109146380	Chr7.86008	Ric3(-62992),Lmo1(+23985)	N/A
Chr7		109154586	109154808	Chr7.86017	Ric3(-71365),Lmo1(+15612)	N/A
Chr7		109169972	109170252	Chr7.86051	Lmo1(+196)	N/A
Chr7		109170318	109170647	Chr7.86052	Lmo1(-175)	N/A
Chr7		109175329	109175578	Chr7.86065	Lmo1(-5146),Slk33(+263622)	N/A
Chr7		109191299	109191815	Chr7.86082	Lmo1(-21249),Slk33(+247519)	N/A
Chr7		109192543	109192687	Chr7.86084	Lmo1(-26207),Slk33(+246461)	N/A
Chr7		109196263	109197085	Chr7.86086	Lmo1(-26376),Slk33(+242392)	N/A
Chr7		109197351	109197458	Chr7.86091	Lmo1(-27087),Slk33(+241671)	N/A
Chr7		109218947	109219115	Chr7.86112	Lmo1(-48723),Slk33(+220045)	N/A
Chr7		109221585	109221851	Chr7.86121	Lmo1(-51410),Slk33(+217358)	N/A
Chr7		109231682	109231781	Chr7.86130	Lmo1(-61424),Slk33(+207344)	N/A
Chr7		109234596	109234829	Chr7.86134	Lmo1(-64405),Slk33(+204363)	N/A
Chr7		109240937	109241049	Chr7.86146	Lmo1(-70685),Slk33(+198083)	N/A
Chr7		109255675	109256174	Chr7.86155	Lmo1(-85617),Slk33(+183151)	N/A
Chr7		25068871	25069004	Chr7.8616	Alp1a3(-63043),Gnk5(+3431)	N/A
Chr7		109402302	109402435	Chr7.86323	Lmo1(-232061),Slk33(+36707)	N/A
Chr7		109493018	109493202	Chr7.86493	Slk33(-54034),Trimm6(+15024)	N/A
Chr7		109493276	109493302	Chr7.86495	Slk33(-54523),Trimm6(+14539)	N/A
Chr7		109497963	109498104	Chr7.86502	Slk33(-59698),Trimm6(+10090)	N/A
Chr7		109520121	109520248	Chr7.86521	Rpl27a(+1038),Sl5(+96383)	N/A
Chr7		109521277	109521407	Chr7.86526	Rpl27a(+2195),Sl5(+95226)	N/A
Chr7		109524352	109524512	Chr7.86534	Rpl27a(+5285),Sl5(+92136)	N/A
Chr7		109536070	109536906	Chr7.86560	Rpl27a(+17641),Sl5(+79780)	N/A
Chr7		109541678	109541882	Chr7.86575	Rpl27a(-22633),Sl5(+74788)	N/A
Chr7		109545291	109545408	Chr7.86584	Rpl27a(-26203),Sl5(+71218)	N/A
Chr7		109559624	109559889	Chr7.86621	Rpl27a(+40610),Sl5(+56811)	N/A
Chr7		109576276	109576433	Chr7.86635	Sl5(+40213),Rpl27a(+57208)	N/A
Chr7		109584132	109584311	Chr7.86644	Sl5(-32346),Rpl27a(+65075)	N/A
Chr7		109589420	109589599	Chr7.86646	Sl5(-28059),Rpl27a(+66263)	N/A
Chr7		109629330	109629485	Chr7.86659	Sl5(+24180),Rpl27a(+73261)	N/A
Chr7		109602672	109602778	Chr7.86663	Sl5(+13843),Rpl27a(+83578)	N/A
Chr7		109613935	109614046	Chr7.86679	Sl5(+2577),Rpl27a(+94844)	N/A
Chr7		109615123	109615263	Chr7.86682	Sl5(+1375),Rpl27a(+96046)	N/A
Chr7		109616384	109616521	Chr7.86689	Sl5(+115)	N/A
Chr7		109616651	109616765	Chr7.86690	Sl5(-140)	N/A
Chr7		109616964	109617178	Chr7.86693	Sl5(-503)	N/A
Chr7		109621693	109621895	Chr7.86699	Akip1(-81896),Sl5(-5226)	N/A
Chr7		109629246	109629391	Chr7.86704	Akip1(-74371),Sl5(-12751)	N/A
Chr7		109641411	109641583	Chr7.86720	Akip1(-62193),Sl5(-24929)	N/A
Chr7		109641836	109642136	Chr7.86722	Akip1(-61704),Sl5(-25416)	N/A
Chr7		109672306	109672417	Chr7.86744	Sl5(-55794),Akip1(-31328)	N/A
Chr7		109675356	109675798	Chr7.86755	Sl5(-59009),Akip1(-128113)	N/A
Chr7		109686913	109687250	Chr7.86762	Sl5(-70514),Akip1(-16608)	N/A
Chr7		109709175	109709333	Chr7.86780	Akip1(+5564),Bc051019(+14532)	N/A
Chr7		109736113	109736247	Chr7.86842	Asc3(-4448)	N/A
Chr7		250876716	250877557	Chr7.8685	Zfp574(-10191),Pou2f2(+45040)	N/A
Chr7		25087996	25088127	Chr7.8689	Zfp574(+10616),Pou2f2(+44415)	N/A
Chr7		109783377	109783497	Chr7.86910	Nrip3(-1892)	N/A
Chr7		25088477	25088635	Chr7.8692	Zfp574(+11310),Pou2f2(+43921)	N/A
Chr7		109794683	109794833	Chr7.86926	Nrip3(-13213),Scube2(+70921)	N/A
Chr7		25089429	25089555	Chr7.8697	Zfp574(-12246),Pou2f2(+43985)	N/A
Chr7		109813872	109813940	Chr7.86972	Nrip3(-32261),Scube2(+51673)	N/A
Chr7		25089802	25089972	Chr7.8700	Zfp574(+12641),Pou2f2(+42590)	N/A
Chr7		109834953	109835108	Chr7.87009	Nrip3(-53486),Scube2(+30648)	N/A
Chr7		109850189	109850321	Chr7.87042	Nrip3(-68710),Scube2(+15424)	N/A
Chr7		109867064	109867201	Chr7.87061	Scube2(-1454)	N/A
Chr7		25090769	25090999	Chr7.8708	Zfp574(-33638),Pou2f2(+41593)	N/A
Chr7		25091164	25091373	Chr7.8709	Zfp574(+14023),Pou2f2(+41208)	N/A
Chr7		109925591	109925708	Chr7.87134	Scube2(-59971),Dnnd5a(+34820)	N/A
Chr7		109959708	109959843	Chr7.87168	Dnnd5a(+694)	N/A
Chr7		25091815	25092037	Chr7.8718	Zfp574(+14680),Pou2f2(+40551)	N/A
Chr7		101018174	101018514	Chr7.87204	lpo7(-81)	N/A
Chr7		10061305	10061478	Chr7.87269	Zfp143(-310),Aa47440(-67)	N/A
Chr7		10061601	10061870	Chr7.87274	Aa47440(-411),Zfp143(+34)	N/A
Chr7		10094356	10094554	Chr7.87330	Wee1(-27895),Zfp143(+32753)	N/A
Chr7		101021929	101022078	Chr7.87352	Wee1(-346)	N/A
Chr7		101023097	101023201	Chr7.87360	Wee1(+799)	N/A
Chr7		101042216	101042482	Chr7.87366	Swap70(-70354),Wee1(+19999)	N/A
Chr7		101066328	101066449	Chr7.87400	Swap70(-55316),Wee1(+44039)	N/A
Chr7		101022355	101022539	Chr7.87415	Swap70(+744)	N/A
Chr7		1010237403	1010237531	Chr7.87421	Swap70(+15764),Sbf2(+377453)	N/A
Chr7		1010237946	1010238137	Chr7.87428	Swap70(+16339),Sbf2(+376878)	N/A
Chr7		1010245320	1010245478	Chr7.87438	Swap70(+23697),Sbf2(+369520)	N/A
Chr7		1010259760	1010259876	Chr7.87444	Swap70(+38115),Sbf2(+355102)	N/A
Chr7		1010260002	101026104	Chr7.87449	Swap70(+383590),Sbf2(+354867)	N/A
Chr7		1010287574	1010287834	Chr7.87497	Swap70(+66001),Sbf2(+327216)	N/A
Chr7		1010288722	1010288913	Chr7.87506	Swap70(+67715),Sbf2(+326102)	N/A
Chr7		1010297198	1010297386	Chr7.87511	Swap70(+75589),Sbf2(+317628)	N/A
Chr7		25115458	25115581	Chr7.8757	Pou2f2(+16957),Zfp574(+38274)	N/A
Chr7		25129674	25129842	Chr7.8770	Pou2f2(-2719),Zfp574(+52512)	N/A
Chr7		25132417	25132586	Chr7.8774	Pou2f2(-25)	N/A
Chr7		101025383	101025796	Chr7.87761	Sbf2(+89331),Swap70(+303886)	N/A
Chr7		101052423	101052626	Chr7.87764	Sbf2(+88445),Swap70(+304772)	N/A
Chr7		1010539419	1010539603	Chr7.87765	Sbf2(+75409),Swap70(+317808)	N/A
Chr7		101060598	101060716	Chr7.87777	Sbf2(+14263),Swap70(+378954)	N/A
Chr7		101062546	101062657	Chr7.87806	Adm(-1067)	N/A
Chr7		1010631561	1010631661	Chr7.87838	Adm(+3942),B430319f04rk(+137734)	N/A
Chr7		25151087	25151245	Chr7.8785	D930028m14rk(-1291)	N/A
Chr7		1010632706	1010632817	Chr7.87850	Adm(+5093),B430319f04rk(+136583)	N/A
Chr7		1010632852	1010632961	Chr7.87852	Adm(+5238),B430319f04rk(+136438)	N/A
Chr7		251515118	25151491	Chr7.87856	D930028m14rk(-1052)	N/A
Chr7		1010671834	1010671955	Chr7.87902	Adm(+44268),B430319f04rk(+97450)	N/A
Chr7		25153987	25154123	Chr7.8794	D930028m14rk(+1598),Dadd2(+65804)	N/A
Chr7		101075505	1010755243	Chr7.87946	B430319f04rk(+14196),Adm(+127480)	N/A
Chr7		1010772396	1010772728	Chr7.87956	B430319f04rk(-3271),Ampd3(-42)	N/A
Chr7		25172789	25173040	Chr7.8803	D930028m14rk(+20448),Dadd2(+66564)	N/A
Chr7		25173752	25174139	Chr7.8808	D930028m14rk(+21489),Dadd2(+45913)	N/A

Chr7	25174488	25174627	Chr7.8813	D930028m14rik(+22101),Dedd2(+45301)	N/A
Chr7	110894059	110894221	Chr7.88186	Lyve1(-31187),Mrvi1(+52047)	N/A
Chr7	110941946	110942060	Chr7.88200	Lyve1(-79050),Mrvi1(+1184)	N/A
Chr7	110953315	110953435	Chr7.88232	Chr9(-75578),Mrvi1(-7168)	N/A
Chr7	25178686	25178845	Chr7.88229	D930028m14rik(+26309),Dedd2(+41093)	N/A
Chr7	110982003	110982216	Chr7.88293	Chr9(-46841),Mrvi1(-35923)	N/A
Chr7	110982521	110982633	Chr7.88298	Chr9(-46374),Mrvi1(-36390)	N/A
Chr7	110991151	110991375	Chr7.88307	Mrvi1(-45078),Chr9(-37688)	N/A
Chr7	111056147	111056251	Chr7.88392	Elf4g2(-26831),Chr9(+27248)	N/A
Chr7	111074035	111074232	Chr7.88400	Elf4g2(-6886),Chr9(+45193)	N/A
Chr7	111075329	111075446	Chr7.88405	Elf4g2(+7642),Chr9(+46437)	N/A
Chr7	111076202	111076467	Chr7.88407	Elf4g2(+6695),Chr9(+47384)	N/A
Chr7	111076934	111077089	Chr7.88411	Elf4g2(+6018),Chr9(+48061)	N/A
Chr7	111079285	111079399	Chr7.88419	Elf4g2(-3689),Chr9(+50390)	N/A
Chr7	111081504	111081648	Chr7.88422	Elf4g2(+1454),Chr9(+52625)	N/A
Chr7	111082779	111083331	Chr7.88429	Elf4g2(-25)	N/A
Chr7	111122392	111122693	Chr7.88447	Elf4g2(-39513),Gaint18(+657434)	N/A
Chr7	111141310	111141504	Chr7.88456	Elf4g2(-58377),Gaint18(+638570)	N/A
Chr7	111156838	111157137	Chr7.88474	Elf4g2(-73958),Gaint18(+622989)	N/A
Chr7	11157513	11157633	Chr7.88479	Elf4g2(-74543),Gaint18(+622404)	N/A
Chr7	11164398	11164477	Chr7.88484	Elf4g2(-81393),Gaint18(+615554)	N/A
Chr7	11259856	11260030	Chr7.88549	Elf4g2(-176913),Gaint18(+520034)	N/A
Chr7	11356961	11357117	Chr7.88609	Elf4g2(-274009),Gaint18(+422938)	N/A
Chr7	11365507	11365697	Chr7.88615	Elf4g2(-282574),Gaint18(+414373)	N/A
Chr7	111437078	111437234	Chr7.88648	Elf4g2(-364126),Gaint18(+342821)	N/A
Chr7	252197881	25219946	Chr7.8867	2tp526(-1587),Dedd2(-5)	N/A
Chr7	111600984	111601191	Chr7.88827	Elf4g2(-518058),Gaint18(+178889)	N/A
Chr7	111663484	111663635	Chr7.88920	Elf4g2(-580530),Gaint18(+116417)	N/A
Chr7	111663942	111664167	Chr7.88927	Elf4g2(-581025),Gaint18(+115922)	N/A
Chr7	111672482	111672767	Chr7.88934	Elf4g2(-589595),Gaint18(+107352)	N/A
Chr7	111692866	111693049	Chr7.88945	Elf4g2(-609228),Gaint18(+67019)	N/A
Chr7	111721666	111721222	Chr7.88963	Elf4g2(-638114),Gaint18(+58533)	N/A
Chr7	111741642	111741761	Chr7.88995	Elf4g2(-658672),Gaint18(+38275)	N/A
Chr7	111758941	111759063	Chr7.89010	Elf4g2(-679972),Gaint18(+20975)	N/A
Chr7	111760201	111760338	Chr7.89012	Elf4g2(-677240),Gaint18(+19707)	N/A
Chr7	111772460	111772636	Chr7.89037	Elf4g2(-689518),Gaint18(+7429)	N/A
Chr7	111791330	111791505	Chr7.89061	Usp47(-23208),Gaint18(+1841)	N/A
Chr7	111812680	111812780	Chr7.89078	Usp47(-210786),Gaint18(-32743)	N/A
Chr7	112024107	112024207	Chr7.89198	Usp47(+651)	N/A
Chr7	112024433	112024561	Chr7.89204	Usp47(+991)	N/A
Chr7	112026609	112026718	Chr7.89210	Usp47(+3158),Dkk3(+132393)	N/A
Chr7	112170482	112170605	Chr7.89337	Mical2(-100755),Dkk3(-11487)	N/A
Chr7	112185372	112185517	Chr7.89343	Mical2(-68564),Dkk3(-2639)	N/A
Chr7	112204388	112204513	Chr7.89358	Mical2(-68648),Dkk3(-45394)	N/A
Chr7	112204691	112204806	Chr7.89359	Mical2(-66550),Dkk3(-45692)	N/A
Chr7	112223357	112223493	Chr7.89369	Dkk3(-64368),Mical2(-47874)	N/A
Chr7	112226719	112226818	Chr7.89374	Dkk3(-47712),Mical2(-44530)	N/A
Chr7	112233458	112233577	Chr7.89379	Dkk3(-74461),Mical2(-37781)	N/A
Chr7	112233661	112233765	Chr7.89382	Dkk3(-74556),Mical2(-37586)	N/A
Chr7	112267400	112267597	Chr7.89405	Mical2(-3800)	N/A
Chr7	112272706	112272915	Chr7.89428	Mical3(-95497),Mical2(+1512)	N/A
Chr7	112299226	112299380	Chr7.89455	Mical3(-69005),Mical2(+28004)	N/A
Chr7	112316319	112316444	Chr7.89488	Mical3(-51266),Mical2(+45083)	N/A
Chr7	112355057	112355369	Chr7.89613	Mical3(-13095),Mical2(+83914)	N/A
Chr7	112389913	112390130	Chr7.89547	Parva(-37684),Mical3(+21714)	N/A
Chr7	112390644	112391007	Chr7.89651	Parva(-36880),Mical3(+22518)	N/A
Chr7	25241106	25241284	Chr7.8966	Gsk3a3(-3344)	N/A
Chr7	112391572	112391783	Chr7.89660	Parva(-36028),Mical3(+23370)	N/A
Chr7	112392114	112392229	Chr7.89662	Parva(-35534),Mical3(-23864)	N/A
Chr7	112416005	112416362	Chr7.89708	Parva(-11520),Mical3(+1876)	N/A
Chr7	112416414	112416618	Chr7.89710	Parva(-11190),Mical3(+48208)	N/A
Chr7	112441716	112442012	Chr7.89719	Tead1(-237456),Parva(+14158)	N/A
Chr7	112445069	112445455	Chr7.89726	Tead1(-234058),Parva(+17556)	N/A
Chr7	25243828	25243945	Chr7.8973	Gsk3a3(-6036),Erif(+6874)	N/A
Chr7	112458574	112458677	Chr7.89742	Tead1(-220594),Parva(+30920)	N/A
Chr7	112470033	112470205	Chr7.89751	Tead1(-209201),Parva(+42413)	N/A
Chr7	112471581	112471705	Chr7.89760	Tead1(-207677),Parva(+43937)	N/A
Chr7	112474023	112474176	Chr7.89771	Tead1(-205220),Parva(+46394)	N/A
Chr7	112500192	112500337	Chr7.89785	Tead1(-179055),Parva(+72559)	N/A
Chr7	112502376	112502674	Chr7.89791	Tead1(-176795),Parva(+74819)	N/A
Chr7	112502939	112503215	Chr7.89796	Tead1(-176243),Parva(+7537)	N/A
Chr7	112510710	112510876	Chr7.89800	Tead1(-168527),Parva(+83087)	N/A
Chr7	112511113	112511631	Chr7.89801	Tead1(-167948),Parva(+83666)	N/A
Chr7	112519512	112519645	Chr7.89816	Tead1(-159741),Parva(+91873)	N/A
Chr7	112535557	112535828	Chr7.89829	Tead1(-143629),Parva(+107985)	N/A
Chr7	112572533	112572718	Chr7.89851	Tead1(-106594),Parva(+149029)	N/A
Chr7	112572832	112573189	Chr7.89853	Tead1(-106309),Parva(+145305)	N/A
Chr7	112583084	112583192	Chr7.89867	Tead1(-96182),Parva(+155432)	N/A
Chr7	112603875	112604300	Chr7.89889	Tead1(-75232),Parva(+176382)	N/A
Chr7	112604353	112604537	Chr7.89895	Tead1(-74875),Parva(+176739)	N/A
Chr7	112615227	112615614	Chr7.89896	Tead1(-63899),Parva(+187719)	N/A
Chr7	112641486	112641698	Chr7.89901	Tead1(-37729),Parva(+213865)	N/A
Chr7	112641838	112641975	Chr7.89905	Tead1(-37413),Parva(+214201)	N/A
Chr7	112656245	112656400	Chr7.89918	Tead1(-22997),Parva(+228617)	N/A
Chr7	112680060	112680406	Chr7.89926	Tead1(+913)	N/A
Chr7	112680538	112680792	Chr7.89928	Rassf10(-273297),Tead1(+1345)	N/A
Chr7	112681295	112681561	Chr7.89932	Rassf10(-272579),Tead1(+12043)	N/A
Chr7	112684110	112684472	Chr7.89944	Rassf10(-269671),Tead1(+4971)	N/A
Chr7	112684939	112685194	Chr7.89946	Rassf10(-268895),Tead1(+5747)	N/A
Chr7	112685370	112685528	Chr7.89948	Rassf10(-268513),Tead1(+6129)	N/A
Chr7	112695961	112696115	Chr7.89961	Rassf10(-257924),Tead1(+16718)	N/A
Chr7	112697137	112697446	Chr7.89964	Rassf10(-256670),Tead1(+17972)	N/A
Chr7	112698271	112698499	Chr7.89969	Rassf10(-255577),Tead1(+19059)	N/A
Chr7	112700171	112700351	Chr7.89984	Rassf10(-253701),Tead1(+20941)	N/A
Chr7	112717427	112717652	Chr7.89992	Rassf10(-236422),Tead1(+38220)	N/A
Chr7	112720028	112720307	Chr7.90003	Rassf10(-233794),Tead1(+40848)	N/A
Chr7	112720626	112720931	Chr7.90009	Rassf10(-23183),Tead1(+41459)	N/A
Chr7	112741899	112742274	Chr7.90026	Rassf10(-211880),Tead1(+62762)	N/A
Chr7	112743081	112743238	Chr7.90032	Rassf10(-210802),Tead1(+63640)	N/A
Chr7	112760597	112760734	Chr7.90059	Rassf10(-193296),Tead1(+81346)	N/A
Chr7	112763719	112763907	Chr7.90071	Rassf10(-190149),Tead1(+84493)	N/A
Chr7	112772792	112773154	Chr7.90081	Rassf10(-180989),Tead1(+93653)	N/A
Chr7	112775851	112775991	Chr7.90088	Rassf10(-178041),Tead1(+96801)	N/A
Chr7	112786293	112786669	Chr7.90108	Rassf10(-165451),Tead1(+109161)	N/A
Chr7	25246829	25246978	Chr7.90113	Gsk3a3(-9053),Erif(+3857)	N/A
Chr7	112797420	112798090	Chr7.90137	Rassf10(-156207),Tead1(+118435)	N/A
Chr7	112798909	112799129	Chr7.90142	Rassf10(-154943),Tead1(+119699)	N/A
Chr7	112800370	112800537	Chr7.90146	Rassf10(-153508),Tead1(+121134)	N/A
Chr7	112801840	112801969	Chr7.90149	Rassf10(-152057),Tead1(+122389)	N/A
Chr7	112806554	112806529	Chr7.90155	Rassf10(-147805),Tead1(+128637)	N/A
Chr7	112807402	112807740	Chr7.90161	Rassf10(-146391),Tead1(+128251)	N/A
Chr7	112810923	112811044	Chr7.90168	Rassf10(-142978),Tead1(+131664)	N/A
Chr7	112813862	112813967	Chr7.90175	Rassf10(-140047),Tead1(+134595)	N/A
Chr7	112822704	112822812	Chr7.90185	Rassf10(-131204),Tead1(+143438)	N/A
Chr7	112822947	112823170	Chr7.90188	Rassf10(-130903),Tead1(+143739)	N/A
Chr7	112823675	112823789	Chr7.90193	Rassf10(-130230),Tead1(+144412)	N/A
Chr7	112824010	112824169	Chr7.90194	Rassf10(-129872),Tead1(+144770)	N/A
Chr7	25248005	25248268	Chr7.9020	Gsk3a3(-10286),Erif(+2624)	N/A
Chr7	112828588	112828724	Chr7.90210	Rassf10(-125306),Tead1(+149336)	N/A
Chr7	112832785	112832956	Chr7.90215	Rassf10(-121091),Tead1(+153551)	N/A
Chr7	252484113	25248618	Chr7.90222	Gsk3a3(-1085),Erif(+2245)	N/A
Chr7	112840916	112841500	Chr7.90233	Rassf10(-112754),Tead1(+161888)	N/A
Chr7	112841632	112841758	Chr7.90241	Rassf10(-112267),Tead1(+162375)	N/A
Chr7	112841979	112842249	Chr7.90243	Rassf10(-111848),Tead1(+162794)	N/A
Chr7	112851492	112851797	Chr7.90253	Rassf10(-102317),Tead1(+172325)	N/A
Chr7	112869332	112869328	Chr7.90282	Rassf10(-94833),Tead1(+189809)	N/A
Chr7	112872936	112873075	Chr7.90284	Rassf10(-90956),Tead1(+193686)	N/A
Chr7	112883437	112883761	Chr7.90294	Rassf10(-70363),Tead1(+204729)	N/A
Chr7	25251436	25251685	Chr7.9032	Erif(-800)	N/A
Chr7	112903612	112903867	Chr7.90326	Rassf10(-50222),Tead1(+224420)	N/A
Chr7	112904609	112904752	Chr7.90329	Rassf10(-49281),Tead1(+225361)	N/A
Chr7	112905431	112905553	Chr7.90338	Rassf10(-49470),Tead1(+226172)	N/A
Chr7	25267402	25268003	Chr7.9036	Erif(-16942),Cic(-14476)	N/A
Chr7	112945504	112945691	Chr7.90375	Rassf10(-8364),Tead1(+266278)	N/A
Chr7	112956993	112957110	Chr7.90411	Amtl(-250413),Rassf10(+3090)	N/A
Chr7	112957797	112957965	Chr7.90419	Amtl(-24954),Rassf10(+3919)	N/A
Chr7	112973459	112973563	Chr7.90425	Amtl(-233954),Rassf10(+19549)	N/A
Chr7	113048423	113048813	Chr7.90453	Amtl(-158847),Rassf10(+946556)	N/A

Chr7	25268035	25268515	Chr7.9046	Err(-17514),Cic(-13904)	N/A
Chr7	113147417	113147543	Chr7.90525	Amrl(-59985),Rassf10(+193518)	N/A
Chr7	113151003	113151230	Chr7.90534	Amrl(-56349),Rassf10(+197155)	N/A
Chr7	25268749	25269023	Chr7.9057	Err(-18129),Cic(-12393)	N/A
Chr7	113201656	113201787	Chr7.90583	Amrl(-5743),Rassf10(+247760)	N/A
Chr7	25269613	25269744	Chr7.9062	Err(-18918),Cic(-12500)	N/A
Chr7	25269848	25270096	Chr7.9063	Err(-19211),Cic(-12207)	N/A
Chr7	113251141	113251484	Chr7.90652	Amrl(+43848),Btbd10(+118026)	N/A
Chr7	113251528	113251778	Chr7.90655	Amrl(+44187),Btbd10(+117687)	N/A
Chr7	11326823	11330931	Chr7.90785	Btbd10(-369)	N/A
Chr7	113688406	113688690	Chr7.90985	Gm5600(+19652),Fair(+174714)	N/A
Chr7	113769501	113769924	Chr7.91074	Spon1(+3715),Rras2(+348068)	N/A
Chr7	113850437	113850811	Chr7.91145	Spon1(+84626),Rras2(+267157)	N/A
Chr7	113859499	113859721	Chr7.91156	Spon1(+93812),Rras2(+258171)	N/A
Chr7	113877890	113878090	Chr7.91170	Spon1(+112042),Rras2(+239741)	N/A
Chr7	113885532	113885741	Chr7.91185	Spon1(+119639),Rras2(+232144)	N/A
Chr7	113901491	113901923	Chr7.91215	Spon1(+135709),Rras2(+216074)	N/A
Chr7	113902074	113902541	Chr7.91223	Spon1(+136310),Rras2(+215473)	N/A
Chr7	25275746	25275863	Chr7.9125	Err(-25044),Cic(-6374)	N/A
Chr7	113950297	113950537	Chr7.91263	Rras2(+167364),Spon1(+184419)	N/A
Chr7	25275977	25276208	Chr7.9127	Err(-25311),Cic(-6087)	N/A
Chr7	25277515	25277637	Chr7.9131	Cic(-4603)	N/A
Chr7	25278459	25278598	Chr7.9133	Cic(-3650)	N/A
Chr7	114020274	114020498	Chr7.91362	Rras2(+97395),Spon1(+254388)	N/A
Chr7	25279655	25279863	Chr7.9137	Cic(-2420)	N/A
Chr7	25280048	25280355	Chr7.9142	Cic(-1977)	N/A
Chr7	114071503	114071686	Chr7.91446	Rras2(+46186),Spon1(+305597)	N/A
Chr7	25280448	25280698	Chr7.9146	Cic(-1606)	N/A
Chr7	114103865	114104018	Chr7.91467	Rras2(+13839),Spon1(+337944)	N/A
Chr7	114117962	114118119	Chr7.91470	Rras2(-260)	N/A
Chr7	114132480	114132603	Chr7.91474	Rras2(-14751),Ccpb1(+122138)	N/A
Chr7	114181497	114181702	Chr7.91486	Rras2(-63819),Ccpb1(+73080)	N/A
Chr7	25282967	25283084	Chr7.9150	Cic(+847)	N/A
Chr7	25283736	25283857	Chr7.9153	Cic(+1618),Pafah1b3(+14189)	N/A
Chr7	114290356	114290573	Chr7.91576	Pde3b(-124816),Psm1(-14347)	N/A
Chr7	114317465	114317696	Chr7.91602	Pde3b(-97770),Psm1(+41462)	N/A
Chr7	114322678	114322948	Chr7.91607	Pde3b(-92468),Psm1(+46998)	N/A
Chr7	114323042	114323235	Chr7.91610	Pde3b(-92142),Psm1(+47021)	N/A
Chr7	114323280	114323443	Chr7.91613	Pde3b(-91919),Psm1(-47244)	N/A
Chr7	114700896	114701168	Chr7.91865	Calca(-64675),Calc(-17611)	N/A
Chr7	114743875	114743987	Chr7.91918	Insc(-1835)	N/A
Chr7	114749258	114749436	Chr7.91932	Insc(+3583),Rps4-ps(+178377)	N/A
Chr7	114773957	114774105	Chr7.91960	Insc(+20265),Rps4-ps(+153695)	N/A
Chr7	114778576	114778753	Chr7.91972	Insc(+32899),Rps4-ps(+149061)	N/A
Chr7	114840169	114840379	Chr7.92039	Rps4-ps(+87452),Insc(+94508)	N/A
Chr7	114881118	114881276	Chr7.92094	Rps4-ps(+46529),Insc(+135431)	N/A
Chr7	114892865	114893079	Chr7.92112	Rps4-ps(+34754),Insc(+147206)	N/A
Chr7	114904381	114904621	Chr7.92126	Rps4-ps(+23225),Insc(+158735)	N/A
Chr7	114933495	114933610	Chr7.92152	Rps4-ps(-927)	N/A
Chr7	114986577	114986835	Chr7.92197	Rps4-ps(-58980)	N/A
Chr7	115001131	115001260	Chr7.92206	Rps4-ps(-73470),Sor6(+993890)	N/A
Chr7	115154276	115154422	Chr7.92347	Rps4-ps(-226623),Sor6(+840737)	N/A
Chr7	25293919	25294157	Chr7.9238	Pafah1b3(+3948),Cic(+11859)	N/A
Chr7	115219008	115219122	Chr7.92418	Rps4-ps(-29139),Sor6(+770021)	N/A
Chr7	115220357	115220515	Chr7.92421	Rps4-ps(-292710),Sor6(+774650)	N/A
Chr7	115233912	115234297	Chr7.92449	Rps4-ps(-306379),Sor6(+760981)	N/A
Chr7	115253491	115253609	Chr7.92477	Rps4-ps(-325824),Sor6(+741536)	N/A
Chr7	115290918	115291102	Chr7.92530	Rps4-ps(-363264),Sor6(+704076)	N/A
Chr7	115295313	115295496	Chr7.92546	Rps4-ps(-367579),Sor6(+696681)	N/A
Chr7	115302162	115302273	Chr7.92550	Rps4-ps(-374492),Sor6(+692668)	N/A
Chr7	115303258	115303265	Chr7.92552	Rps4-ps(-374736),Sor6(+692624)	N/A
Chr7	115311494	115311656	Chr7.92559	Rps4-ps(-383849),Sor6(+683511)	N/A
Chr7	115312251	115312646	Chr7.92565	Rps4-ps(-384723),Sor6(+682637)	N/A
Chr7	115340302	115340427	Chr7.92608	Rps4-ps(+412639),Sor6(+654721)	N/A
Chr7	115341704	115341991	Chr7.92614	Rps4-ps(+414122),Sor6(+653257)	N/A
Chr7	115342039	115342534	Chr7.92620	Rps4-ps(+414561),Sor6(+652799)	N/A
Chr7	115342746	115342973	Chr7.92622	Rps4-ps(+415134),Sor6(+652226)	N/A
Chr7	115366101	115366247	Chr7.92650	Rps4-ps(-438448),Sor6(+628912)	N/A
Chr7	115368806	115368978	Chr7.92657	Rps4-ps(-441166),Sor6(+626194)	N/A
Chr7	115371246	115371473	Chr7.92660	Rps4-ps(-443634),Sor6(+623729)	N/A
Chr7	115371513	115371685	Chr7.92664	Rps4-ps(-443873),Sor6(+623487)	N/A
Chr7	115374058	115374388	Chr7.92670	Rps4-ps(-446497),Sor6(+620863)	N/A
Chr7	115379633	115379774	Chr7.92681	Rps4-ps(-451978),Sor6(+615382)	N/A
Chr7	115379904	115380007	Chr7.92685	Rps4-ps(-452230),Sor6(+615130)	N/A
Chr7	115381115	115381241	Chr7.92689	Rps4-ps(-463452),Sor6(+613908)	N/A
Chr7	115381337	115381641	Chr7.92691	Rps4-ps(-463763),Sor6(+613597)	N/A
Chr7	115382648	115382782	Chr7.92694	Rps4-ps(-464589),Sor6(+612371)	N/A
Chr7	115382942	115383312	Chr7.92696	Rps4-ps(-465401),Sor6(+611959)	N/A
Chr7	115408965	115409109	Chr7.92734	Rps4-ps(-481311),Sor6(+586049)	N/A
Chr7	115410537	115410943	Chr7.92741	Rps4-ps(-483014),Sor6(+584346)	N/A
Chr7	115411029	115411157	Chr7.92747	Rps4-ps(-483367),Sor6(+583993)	N/A
Chr7	115411795	115412065	Chr7.92752	Rps4-ps(-484199),Sor6(+583161)	N/A
Chr7	115414928	115415033	Chr7.92760	Rps4-ps(-487255),Sor6(+580105)	N/A
Chr7	115415205	115415362	Chr7.92763	Rps4-ps(-487558),Sor6(+579802)	N/A
Chr7	115416831	115416980	Chr7.92765	Rps4-ps(-489180),Sor6(+578180)	N/A
Chr7	115426339	115426528	Chr7.92769	Rps4-ps(-498708),Sor6(+568552)	N/A
Chr7	115432440	115432589	Chr7.92783	Rps4-ps(-504789),Sor6(+565571)	N/A
Chr7	115450464	115450829	Chr7.92793	Rps4-ps(-522921),Sor6(+544439)	N/A
Chr7	115450890	115451019	Chr7.92797	Rps4-ps(-523229),Sor6(+544131)	N/A
Chr7	115453178	115453372	Chr7.92804	Rps4-ps(-525549),Sor6(+541811)	N/A
Chr7	115453618	115453762	Chr7.92807	Rps4-ps(-525964),Sor6(+541396)	N/A
Chr7	115466879	115467113	Chr7.92814	Rps4-ps(-539270),Sor6(+528090)	N/A
Chr7	115472432	115472731	Chr7.92836	Rps4-ps(-548656),Sor6(+522554)	N/A
Chr7	115473642	115474333	Chr7.92844	Rps4-ps(-546626),Sor6(+521098)	N/A
Chr7	115485883	115486269	Chr7.92879	Rps4-ps(-558350),Sor6(+509010)	N/A
Chr7	115488080	115488251	Chr7.92888	Rps4-ps(-560440),Sor6(+506920)	N/A
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Chr7	115501229	115501403	Chr7.92906	Rps4-ps(-573590),Sor6(+493170)	N/A
Chr7	115501443	115501943	Chr7.92911	Rps4-ps(-573967),Sor6(+493393)	N/A
Chr7	115502167	115502311	Chr7.92913	Rps4-ps(-574513),Sor6(+492847)	N/A
Chr7	115509158	115509476	Chr7.92923	Rps4-ps(-581591),Sor6(+485769)	N/A
Chr7	115510024	115510400	Chr7.92926	Rps4-ps(-582486),Sor6(+484874)	N/A
Chr7	115511692	115512095	Chr7.92933	Rps4-ps(-584168),Sor6(+483192)	N/A
Chr7	115523161	115523275	Chr7.92975	Rps4-ps(-595492),Sor6(+471668)	N/A
Chr7	115525901	115526185	Chr7.92990	Rps4-ps(-598317),Sor6(+469043)	N/A
Chr7	115526687	115526791	Chr7.92999	Rps4-ps(-599013),Sor6(+468347)	N/A
Chr7	115563848	115564323	Chr7.93079	Rps4-ps(-636360),Sor6(+431000)	N/A
Chr7	115564382	115564904	Chr7.93083	Rps4-ps(-636917),Sor6(+430443)	N/A
Chr7	115569108	115569454	Chr7.93096	Rps4-ps(-640553),Sor6(+426809)	N/A
Chr7	115568714	115569194	Chr7.93104	Rps4-ps(-641228),Sor6(+426132)	N/A
Chr7	115582530	115582717	Chr7.93139	Rps4-ps(-654898),Sor6(+421462)	N/A
Chr7	115583041	115583227	Chr7.93142	Rps4-ps(-655408),Sor6(+411952)	N/A
Chr7	115597957	115598100	Chr7.93153	Rps4-ps(-670303),Sor6(+397075)	N/A
Chr7	115598657	115599041	Chr7.93160	Rps4-ps(-671123),Sor6(+396237)	N/A
Chr7	115599072	115599178	Chr7.93163	Rps4-ps(-671399),Sor6(+395691)	N/A
Chr7	115615683	115616078	Chr7.93188	Rps4-ps(-688155),Sor6(+379205)	N/A
Chr7	115616153	115616271	Chr7.93190	Rps4-ps(-688486),Sor6(+378874)	N/A
Chr7	115624686	115625386	Chr7.93202	Rps4-ps(-697310),Sor6(+370050)	N/A
Chr7	115625720	115625972	Chr7.93205	Rps4-ps(-698120),Sor6(+369240)	N/A
Chr7	115626216	115626413	Chr7.93209	Rps4-ps(-698589),Sor6(+368771)	N/A
Chr7	115646717	115647089	Chr7.933248	Rps4-ps(-719167),Sor6(+349193)	N/A
Chr7	115654071	115654277	Chr7.93274	Rps4-ps(-726448),Sor6(+340912)	N/A
Chr7	25316707	25316838	Chr7.9328	Megf8(-391)	N/A
Chr7	115666669	115666923	Chr7.93315	Rps4-ps(-739070),Sor6(+328290)	N/A
Chr7	115667035	115667615	Chr7.93318	Rps4-ps(-739599),Sor6(+327761)	N/A
Chr7	115668880	115668886	Chr7.93321	Rps4-ps(-741017),Sor6(+326343)	N/A
Chr7	115668837	115669494	Chr7.93322	Rps4-ps(-741440),Sor6(+325920)	N/A
Chr7	115669700	115669900	Chr7.93332	Rps4-ps(-742074),Sor6(+325286)	N/A
Chr7	115686112	115686276	Chr7.93358	Rps4-ps(-758468),Sor6(+308892)	N/A
Chr7	115686784	115687040	Chr7.93370	Rps4-ps(-759186),Sor6(+308174)	N/A
Chr7	115687918	115688100	Chr7.93377	Rps4-ps(-760263),Sor6(+307077)	N/A
Chr7	115688147	115688297	Chr7.93381	Rps4-ps(-760496),Sor6(+306561)	N/A
Chr7	115690992	115691328	Chr7.93397	Rps4-ps(-763434),Sor6(+303928)	N/A
Chr7	115692507	115692660	Chr7.93402	Rps4-ps(-764858),Sor6(+302502)	N/A
Chr7	115693220	115693453	Chr7.93405	Rps4-ps(-765611),Sor6(+301749)	N/A
Chr7	115706122	115706441	Chr7.93439	Rps4-ps(-778556),Sor6(+288804)	N/A
Chr7	115734139	115734451	Chr7.93458	Rps4-ps(-806569),Sor6(+280791)	N/A
Chr7	115748206	115748423	Chr7.93490	Rps4-ps(-820559),Sor6(+246771)	N/A

Chr7	115748455	115748561	Chr7.93493	Rps4l-ps(-820782),Sor6(+246578)	N/A
Chr7	115750514	115750771	Chr7.93507	Rps4l-ps(-822917),Sor6(+244443)	N/A
Chr7	115751163	115751529	Chr7.93512	Rps4l-ps(-823620),Sor6(+243740)	N/A
Chr7	115754554	115755058	Chr7.93531	Rps4l-ps(-827279),Sor6(+240931)	N/A
Chr7	115792910	115793138	Chr7.93575	Rps4l-ps(-865298),Sor6(+202062)	N/A
Chr7	115824200	115824301	Chr7.93654	Rps4l-ps(-896525),Sor6(+170835)	N/A
Chr7	115833676	115834120	Chr7.93676	Rps4l-ps(-906172),Sor6(+161188)	N/A
Chr7	115890100	115890283	Chr7.93793	Rps4l-ps(-962466),Sor6(+104894)	N/A
Chr7	115940356	115940508	Chr7.93885	Sor6(+54654)	N/A
Chr7	115943871	115943995	Chr7.93901	Sor6(+51153)	N/A
Chr7	115995761	115996037	Chr7.93963	Sor6(-813)	N/A
Chr7	116029932	116030110	Chr7.94029	Sor6(-34935),Gm4353(+54614)	N/A
Chr7	116030743	116030992	Chr7.94033	Sor6(-35782),Gm4353(+53767)	N/A
Chr7	116032428	116032807	Chr7.94044	Sor6(-37532),Gm4353(+52017)	N/A
Chr7	116033017	116033150	Chr7.94048	Sor6(-37988),Gm4353(+51551)	N/A
Chr7	116033312	116033638	Chr7.94051	Sor6(-38389),Gm4353(+51160)	N/A
Chr7	116034035	116034211	Chr7.94056	Sor6(-39037),Gm4353(+50512)	N/A
Chr7	116034240	116034560	Chr7.94057	Sor6(-39314),Gm4353(+50235)	N/A
Chr7	116037599	116037766	Chr7.94067	Sor6(-42597),Gm4353(+46952)	N/A
Chr7	116037878	116038015	Chr7.94069	Sor6(-42861),Gm4353(+46688)	N/A
Chr7	116038204	116038458	Chr7.94073	Sor6(-43245),Gm4353(+46304)	N/A
Chr7	116038494	116039161	Chr7.94077	Sor6(-43742),Gm4353(+45807)	N/A
Chr7	116039255	116039805	Chr7.94078	Sor6(-44444),Gm4353(+45105)	N/A
Chr7	116093265	116093377	Chr7.94147	1110004f10rk(+20)	N/A
Chr7	116115807	116115927	Chr7.94169	1110004f10rk(+22468),Plekha7(+74074)	N/A
Chr7	116121278	116121431	Chr7.94178	1110004f10rk(+28054),Plekha7(+68486)	N/A
Chr7	116121482	116121593	Chr7.94181	1110004f10rk(+28237),Plekha7(+68303)	N/A
Chr7	116124489	116124601	Chr7.94195	1110004f10rk(+31244),Plekha7(+65296)	N/A
Chr7	116133599	116133743	Chr7.94216	1110004f10rk(+40370),Plekha7(+56170)	N/A
Chr7	116134343	116134524	Chr7.94226	1110004f10rk(+41133),Plekha7(+55407)	N/A
Chr7	116150840	116150987	Chr7.94262	Plekha7(+32927),1110004f10rk(+63613)	N/A
Chr7	116162595	116162816	Chr7.94338	Plekha7(+71135),1110004f10rk(+89405)	N/A
Chr7	116184501	116184649	Chr7.94345	Plekha7(+5266),1110004f10rk(+91274)	N/A
Chr7	116186176	116186331	Chr7.94348	Plekha7(+3587),1110004f10rk(+92953)	N/A
Chr7	116186938	116187088	Chr7.94353	Plekha7(+2828),1110004f10rk(+93712)	N/A
Chr7	116187622	116187770	Chr7.94357	Plekha7(+2145),1110004f10rk(+94395)	N/A
Chr7	116189851	116189972	Chr7.94364	Plekha7(-71)	N/A
Chr7	116209101	116209224	Chr7.94389	Plekha7(-19322),Rps13(+125027)	N/A
Chr7	116210240	116210345	Chr7.94392	Plekha7(-20452),Rps13(+123897)	N/A
Chr7	116210396	116210552	Chr7.94393	Plekha7(-20633),Rps13(+123716)	N/A
Chr7	116210795	116210924	Chr7.94398	Plekha7(-21019),Rps13(+123330)	N/A
Chr7	116231017	116231145	Chr7.94417	Plekha7(-41240),Rps13(+103109)	N/A
Chr7	116237777	116237905	Chr7.94428	Plekha7(-48000),Rps13(+96349)	N/A
Chr7	116241519	116241742	Chr7.94437	Plekha7(-51790),Rps13(+92559)	N/A
Chr7	116244959	116245065	Chr7.94444	Plekha7(-55171),Rps13(+89178)	N/A
Chr7	116246584	116246835	Chr7.94452	Plekha7(-56889),Rps13(+87480)	N/A
Chr7	116269889	116269976	Chr7.94488	Plekha7(-80083),Rps13(+64266)	N/A
Chr7	116278418	116278724	Chr7.94490	Plekha7(-88730),Rps13(+55619)	N/A
Chr7	116282735	116283069	Chr7.94497	Plekha7(-93061),Rps13(+51288)	N/A
Chr7	116283158	116283290	Chr7.94505	Plekha7(-93383),Rps13(+50966)	N/A
Chr7	116286646	116286786	Chr7.94509	Plekha7(-96875),Rps13(+47474)	N/A
Chr7	116334079	116334217	Chr7.94528	Rps13(+42)	N/A
Chr7	116616344	116616464	Chr7.94704	Xytl1(-764575),Nucb2(+112035)	N/A
Chr7	116616639	116616742	Chr7.94707	Xytl1(-764288),Nucb2(+112322)	N/A
Chr7	116626195	116626435	Chr7.94714	Xytl1(-754664),Nucb2(+121946)	N/A
Chr7	116654700	116654912	Chr7.94729	Xytl1(-726173),Nucb2(+150437)	N/A
Chr7	116681424	116681703	Chr7.94747	Xytl1(-699415),Nucb2(+177195)	N/A
Chr7	116736389	116736544	Chr7.94784	Xytl1(-644512),Nucb2(+232098)	N/A
Chr7	116808518	116808680	Chr7.94802	Xytl1(-572380),Nucb2(+304230)	N/A
Chr7	116857919	116857968	Chr7.94841	Xytl1(-523036),Nucb2(+353524)	N/A
Chr7	117029548	117029686	Chr7.94988	Xytl1(-351362),Nucb2(+525248)	N/A
Chr7	117106838	117107055	Chr7.95045	Xytl1(-274032),Nucb2(+602578)	N/A
Chr7	117147041	117147208	Chr7.95085	Xytl1(-233854),Nucb2(+642756)	N/A
Chr7	117259229	117259348	Chr7.95194	Xytl1(-121690),Nucb2(+754920)	N/A
Chr7	117262807	117262920	Chr7.95198	Xytl1(-118115),Nucb2(+758465)	N/A
Chr7	117421025	117421147	Chr7.95349	Xytl1(-40107),Rps15a(+684170)	N/A
Chr7	117436147	117436379	Chr7.95365	Xytl1(-55284),Rps15a(+678993)	N/A
Chr7	117439684	117439784	Chr7.95377	Xytl1(-58755),Rps15a(+675522)	N/A
Chr7	117445635	117445751	Chr7.95381	Xytl1(+64714),Rps15a(+669963)	N/A
Chr7	117462466	117462606	Chr7.95388	Xytl1(+641558),Rps15a(+652719)	N/A
Chr7	117462689	117462898	Chr7.95393	Xytl1(+61805),Rps15a(+652472)	N/A
Chr7	117501628	117502013	Chr7.95437	Xytl1(+120842),Rps15a(+613435)	N/A
Chr7	117551121	117551439	Chr7.95499	Xytl1(+170301),Rps15a(+563976)	N/A
Chr7	117595489	117595642	Chr7.95565	Xytl1(+214587),Rps15a(+519690)	N/A
Chr7	117606042	117606646	Chr7.95572	Xytl1(+225445),Rps15a(+508732)	N/A
Chr7	117699742	117700048	Chr7.95724	Xytl1(+318916),Rps15a(+15361)	N/A
Chr7	118217621	118217880	Chr7.96241	Arbp1(-88126),Smp1(+25886)	N/A
Chr7	118252387	118252569	Chr7.96251	Smp1(-8841),Sytl17(+191074)	N/A
Chr7	118441732	118441885	Chr7.96350	Smp1(-198172),Sytl17(+1743)	N/A
Chr7	118443429	118443600	Chr7.96364	Sytl17(+37)	N/A
Chr7	118463375	118463509	Chr7.96376	Sytl1(-19890),Irip12(+28533)	N/A
Chr7	118712531	118712652	Chr7.96887	Cop1(+49)	N/A
Chr7	25390119	25390233	Chr7.9689	473247101rk(+5371),Lipe(+5811)	N/A
Chr7	118895735	118896148	Chr7.96973	Knop1(-39944),Gprc5b(+99269)	N/A
Chr7	118912201	118912308	Chr7.96988	Knop1(-56257),Gprc5b(+82956)	N/A
Chr7	118959944	118957110	Chr7.97031	Knop1(-101029),Gprc5b(+38184)	N/A
Chr7	119041186	119041349	Chr7.97128	Gprc5b(-46062),Gpr13b(+143101)	N/A
Chr7	25433314	25433520	Chr7.9719	Cxcl17(-20531),Ceacam1(+44208)	N/A
Chr7	119861600	119861894	Chr7.98079	Er2(-67689),Dcun1d3(+33998)	N/A
Chr7	119894466	119894726	Chr7.98148	Lyrm1(-1696),Dcun1d3(+1149)	N/A
Chr7	119895005	119895258	Chr7.98152	Lyrm1(-1160),Dcun1d3(+613)	N/A
Chr7	119895308	119895460	Chr7.98154	Lyrm1(-908),Dcun1d3(+361)	N/A
Chr7	119895552	119895659	Chr7.98155	Lyrm1(-680),Dcun1d3(+138)	N/A
Chr7	119895701	119895815	Chr7.98156	Lyrm1(-634),Dcun1d3(-13)	N/A
Chr7	120157130	120157387	Chr7.98722	Anks4b(-16599),Zp2(-11969)	N/A
Chr7	120157741	120158007	Chr7.98723	Anks4b(-15984),Zp2(-12584)	N/A
Chr7	120192732	120192858	Chr7.98784	Cymn(+9316),Anks4b(-18937)	N/A
Chr7	25678506	25678658	Chr7.9911	B9q2(-578),Tmem91(-1416)	N/A
Chr7	120635140	120635243	Chr7.99125	Lqpc2(-16)	N/A
Chr7	120678596	120678742	Chr7.99218	Vwa3a(-60888),Mosmo(+1049)	N/A
Chr7	120723092	120723223	Chr7.99237	Vwa3a(-16399),Mosmo(+45538)	N/A
Chr7	120733075	120733494	Chr7.99276	Vwa3a(-6272),Mosmo(+55665)	N/A
Chr7	120777897	120778059	Chr7.99680	Mfsd13b(-4331),Cdr2(+4334)	N/A
Chr7	120978293	120978471	Chr7.99682	Mfsd13b(-4127),Cdr2(-3930)	N/A
Chr7	121012113	121012271	Chr7.99737	Mett9(-22253),Mfsd13b(-29683)	N/A
Chr7	25710108	25710316	Chr7.9978	Ccdc97(+8876),Tgfb1(+23210)	N/A
Chr7	25711824	25711956	Chr7.9983	Ccdc97(+7198),Tgfb1(+24888)	N/A
Chr7	121085344	121085551	Chr7.99849	Hs3at2(-306848),Otao(+2126)	N/A
Chr8	10854299	108543122	Chr8.100076	Dhx38(-22540),Pmfbp1(+49034)	N/A
Chr8	100706326	100706438	Chr8.100468	Zfp821(+835)	N/A
Chr8	109708013	109708254	Chr8.100475	Zfp821(+2585),Atxn1l(+29605)	N/A
Chr8	109728537	109728656	Chr8.100542	Atxn1l(+9142),Zfp821(+23048)	N/A
Chr8	109778839	109778980	Chr8.100617	Ap1g1(+356)	N/A
Chr8	109780206	109780307	Chr8.100621	Ap1g1(-62851),Ap1g1(+1703)	N/A
Chr8	109833665	109833853	Chr8.100649	Ap1g1(-32349),Ap1g1(+52205)	N/A
Chr8	109833107	109833279	Chr8.100655	Ap1g1(-31915),Ap1g1(+52639)	N/A
Chr8	109860445	109860768	Chr8.100700	Ap1g1(-2501)	N/A
Chr8	109861071	109861454	Chr8.100704	Ap1g1(-1845)	N/A
Chr8	109861819	109861946	Chr8.100713	Ap1g1(-1225)	N/A
Chr8	109862339	109862687	Chr8.100719	Ap1g1(-595)	N/A
Chr8	109863517	109863721	Chr8.100733	Phlp2(-4984),Ap1g1(+511)	N/A
Chr8	109869617	109869727	Chr8.100749	Phlp2(+1069),Marvel3(+92496)	N/A
Chr8	109954126	109954286	Chr8.100918	Marvel3(+7962),Phlp2(+85603)	N/A
Chr8	109954449	109954616	Chr8.100939	Marvel3(+7635),Phlp2(+85930)	N/A
Chr8	110242864	110243065	Chr8.101256	Hydin(-24012),Cmb2(+25005)	N/A
Chr8	110275990	110276209	Chr8.101285	Vac14(-342538),Hydin(+9123)	N/A
Chr8	110482094	110482209	Chr8.101591	Vac14(-136486),Hydin(+215175)	N/A
Chr8	110664435	110664639	Chr8.102161	Mtsa2(-56939),Vac14(+45899)	N/A
Chr8	110676729	110676930	Chr8.102175	Mtsa2(-44646),Vac14(+58192)	N/A
Chr8	110679251	110679368	Chr8.102177	Mtsa2(-42166),Vac14(+60672)	N/A
Chr8	110687632	110687745	Chr8.102181	Mtsa2(-33787),Vac14(+69051)	N/A
Chr8	110687898	110688011	Chr8.102188	Mtsa2(-33521),Vac14(+69317)	N/A
Chr8	110695013	110695191	Chr8.102194	Mtsa2(-26374),Vac14(+76464)	N/A
Chr8	110697611	110697879	Chr8.102199	Mtsa2(-23731),Vac14(+79107)	N/A
Chr8	110702753	110702931	Chr8.102208	Mtsa2(-18634),Vac14(+84204)	N/A
Chr8	110705485	110705636	Chr8.102211	Mtsa2(-15919),Vac14(+86923)	N/A
Chr8	110708561	110708720	Chr8.102215	Mtsa2(-12825),Vac14(+90133)	N/A
Chr8	110714949	110715067	Chr8.102237	Mtsa2(-6469),Vac14(+96370)	N/A

Chr8	110716129	110716370	Chr8.102245	Mtsa2(-5226),Vac14(+97612)	N/A
Chr8	110725593	110725748	Chr8.102266	Mtsa2(+4195),K34(+80232)	N/A
Chr8	14381876	14382017	Chr8.10237	Digap2(+28082),C030037117rk(+365480)	N/A
Chr8	110755659	110755690	Chr8.102388	Mtsa2(-34149),J34(+50279)	N/A
Chr8	110921606	110921766	Chr8.102690	Sl3ga2(+1764),Ddx19a(+76114)	N/A
Chr8	110928732	110928841	Chr8.102699	Sl3ga2(+8865),Ddx19a(+69013)	N/A
Chr8	110938721	110938870	Chr8.102705	Sl3ga2(+18874),Ddx19a(+59004)	N/A
Chr8	111801906	111082011	Chr8.1033030	Clec18a(+129)	N/A
Chr8	111375269	111375486	Chr8.103356	Mklr(-37201),Fa2h(-18446)	N/A
Chr8	111471355	111471514	Chr8.103408	Fa2h(-77611),Wdr59(+50672)	N/A
Chr8	111471543	111471712	Chr8.103412	Fa2h(-77804),Wdr59(+50479)	N/A
Chr8	111471973	111472095	Chr8.103416	Fa2h(-78210),Wdr59(+50073)	N/A
Chr8	111547132	111547459	Chr8.103511	Znrf1(+11199),Ldhf(+83078)	N/A
Chr8	111550216	111550432	Chr8.103514	Znrf1(+14227),Ldhf(+80050)	N/A
Chr8	111551877	111552032	Chr8.103519	Znrf1(+15858),Ldhf(+78419)	N/A
Chr8	111555512	111555612	Chr8.103522	Znrf1(+19465),Ldhf(+74812)	N/A
Chr8	111624134	111624263	Chr8.103581	Ldhf(+6175),Znrf1(+88102)	N/A
Chr8	111624848	111624985	Chr8.103584	Ldhf(+5457),Znrf1(+88820)	N/A
Chr8	111733926	111734066	Chr8.103816	Ctrb1(-42986),Bcar1(+9853)	N/A
Chr8	111736503	111736610	Chr8.103819	Ctrb1(-45547),Bcar1(+7292)	N/A
Chr8	111741670	111741770	Chr8.103826	Ctrb1(-50710),Bcar1(+2129)	N/A
Chr8	111742493	111742605	Chr8.103828	Ctrb1(-51539),Bcar1(+1300)	N/A
Chr8	111745648	111745769	Chr8.103832	Bcar1(-1860)	N/A
Chr8	111789551	111789654	Chr8.103871	Bcar1(-45754),Cldp1(+64707)	N/A
Chr8	111801446	111801763	Chr8.103876	Bcar1(-57756),Cldp1(+52705)	N/A
Chr8	111820297	111820399	Chr8.103882	Bcar1(-76499),Cldp1(+33862)	N/A
Chr8	111828766	111829009	Chr8.103885	Bcar1(-85039),Cldp1(+25422)	N/A
Chr8	111941387	111941535	Chr8.104045	Gabarapl2(+758)	N/A
Chr8	111963310	111963310	Chr8.104057	Gabarapl2(+22517),Adat1(+29082)	N/A
Chr8	112268670	112268782	Chr8.104362	Crtmap4(-301317),Gm6793(-253690)	N/A
Chr8	112909963	112909942	Chr8.105119	Mon1b(-72889),Crtmap4(-336775)	N/A
Chr8	113316985	113317150	Chr8.105367	Mon1b(-31873),Crtmap4(+747025)	N/A
Chr8	113337491	113337652	Chr8.105388	Mon1b(-298227),Crtmap4(+767529)	N/A
Chr8	113688018	113688271	Chr8.105650	Syce1(+44932),Adams18(+160470)	N/A
Chr8	113697604	113697788	Chr8.105666	Syce1(+54483),Adams18(+150919)	N/A
Chr8	113726024	113726124	Chr8.105744	Syce1(+82861),Adams18(+122541)	N/A
Chr8	113764336	113764154	Chr8.105807	Adams18(+94520),Syce1(+20862)	N/A
Chr8	113814027	113814167	Chr8.105858	Adams18(-34518),Syce1(+170884)	N/A
Chr8	113838134	113838424	Chr8.105882	Adams18(+10336),Syce1(+195066)	N/A
Chr8	113844428	113844635	Chr8.105887	Adams18(+4083),Syce1(+201319)	N/A
Chr8	113858914	113859059	Chr8.105918	Nudt7(-274570),Adams18(-10372)	N/A
Chr8	113858911	113860000	Chr8.105924	Nudt7(-267557),Adams18(-17297)	N/A
Chr8	113917013	113917142	Chr8.105989	Nudt7(-216479),Adams18(-65463)	N/A
Chr8	113935920	113935643	Chr8.106009	Nudt7(-193975),Adams18(-90967)	N/A
Chr8	113966467	113966622	Chr8.106052	Nudt7(-167012),Adams18(-117930)	N/A
Chr8	113976893	113977048	Chr8.106067	Nudt7(-156586),Adams18(-128356)	N/A
Chr8	113990048	113990084	Chr8.106088	Nudt7(-142638),Adams18(-142111)	N/A
Chr8	113999022	113999281	Chr8.106102	Adams18(-150537),Nudt7(-134605)	N/A
Chr8	114004459	114004760	Chr8.106106	Adams18(-155995),Nudt7(-128947)	N/A
Chr8	114052419	114052577	Chr8.106148	Adams18(-203883),Nudt7(-81059)	N/A
Chr8	114295383	114295549	Chr8.106343	Clec3a(-122620),Vat1f(+89836)	N/A
Chr8	114439360	114439462	Chr8.106456	Wwox(-244)	N/A
Chr8	114450477	114450598	Chr8.106480	Wwox(+10883)	N/A
Chr8	114453108	114453251	Chr8.106485	Wwox(+13525)	N/A
Chr8	114462882	114462986	Chr8.106495	Wwox(+23279)	N/A
Chr8	114465526	114465833	Chr8.106499	Wwox(+26025)	N/A
Chr8	114501860	114502071	Chr8.106578	Wwox(+62311)	N/A
Chr8	114504659	114504890	Chr8.106587	Wwox(+65120)	N/A
Chr8	114505390	114505571	Chr8.106592	Wwox(+65826)	N/A
Chr8	114555161	114555277	Chr8.106676	Wwox(+115564)	N/A
Chr8	114555330	114555600	Chr8.106678	Wwox(+115810)	N/A
Chr8	114555632	114555819	Chr8.106681	Wwox(+116071)	N/A
Chr8	114591336	114591498	Chr8.106746	Wwox(+151762)	N/A
Chr8	114591871	114592357	Chr8.106751	Wwox(+152459)	N/A
Chr8	114600487	114600624	Chr8.106773	Wwox(+160901)	N/A
Chr8	114605578	114605940	Chr8.106786	Wwox(+166104)	N/A
Chr8	114622036	114622186	Chr8.106819	Wwox(+182456)	N/A
Chr8	114626337	114626453	Chr8.106824	Wwox(+186740)	N/A
Chr8	114642112	114642459	Chr8.106850	Wwox(+202631)	N/A
Chr8	114670546	114671102	Chr8.106863	Wwox(+231169)	N/A
Chr8	114682242	114682471	Chr8.106912	Wwox(+242703)	N/A
Chr8	114684102	114684212	Chr8.106914	Wwox(+244502)	N/A
Chr8	114707806	114708023	Chr8.106962	Wwox(+268160),Maf(+999979)	N/A
Chr8	114716745	114716981	Chr8.106992	Wwox(+277208),Maf(+990931)	N/A
Chr8	114717023	114717287	Chr8.106995	Wwox(+277490),Maf(+990469)	N/A
Chr8	114722609	114722976	Chr8.107006	Wwox(+283138),Maf(+985001)	N/A
Chr8	114731675	114731848	Chr8.107020	Wwox(+292107),Maf(+976032)	N/A
Chr8	114731877	114732185	Chr8.107021	Wwox(+292376),Maf(+975763)	N/A
Chr8	114764125	114764400	Chr8.107078	Wwox(+324608),Maf(+943531)	N/A
Chr8	114768740	114768844	Chr8.107095	Wwox(+329137),Maf(+939002)	N/A
Chr8	114773031	114773210	Chr8.107113	Wwox(+334661),Maf(+934673)	N/A
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Chr8	114872794	114872933	Chr8.107311	Wwox(+433204),Maf(+834935)	N/A
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Chr8	114884814	114885047	Chr8.107336	Wwox(+445276),Maf(+822863)	N/A
Chr8	114885086	114885445	Chr8.107340	Wwox(+445611),Maf(+822528)	N/A
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Chr8	114925873	114926007	Chr8.107403	Wwox(+486285),Maf(+781854)	N/A
Chr8	114932157	114932490	Chr8.107412	Wwox(+492669),Maf(+775470)	N/A
Chr8	114932751	114932952	Chr8.107416	Wwox(+493197),Maf(+774942)	N/A
Chr8	114937089	114937201	Chr8.107424	Wwox(+497490),Maf(+770649)	N/A
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Chr8	114958786	114958901	Chr8.107462	Wwox(+519189),Maf(+748950)	N/A
Chr8	114973178	114973407	Chr8.107488	Wwox(+533638),Maf(+734501)	N/A
Chr8	114977930	114978099	Chr8.107500	Wwox(+538360),Maf(+729779)	N/A
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Chr8	115009496	115009644	Chr8.107551	Wwox(+568915),Maf(+699224)	N/A
Chr8	115010617	115010912	Chr8.107558	Wwox(+571110),Maf(+697029)	N/A
Chr8	115019755	115020007	Chr8.107586	Wwox(+580226),Maf(+687913)	N/A
Chr8	115059323	115059438	Chr8.107660	Wwox(+619726),Maf(+648413)	N/A
Chr8	115090035	115090176	Chr8.107716	Maf(+617688),Wwox(+650451)	N/A
Chr8	115092730	115092881	Chr8.107727	Maf(+619488),Wwox(+653151)	N/A
Chr8	115100031	115100157	Chr8.107755	Maf(+607700),Wwox(+660439)	N/A
Chr8	115106217	115106526	Chr8.107770	Maf(+601422),Wwox(+666717)	N/A
Chr8	115106687	115106894	Chr8.107776	Maf(+601003),Wwox(+667136)	N/A
Chr8	115141536	115141904	Chr8.107835	Maf(+566074),Wwox(+702065)	N/A
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Chr8	115151757	115151962	Chr8.107879	Maf(+585934),Wwox(+712205)	N/A
Chr8	115154206	115154341	Chr8.107895	Maf(+583520),Wwox(+714619)	N/A
Chr8	115158492	115158815	Chr8.107901	Maf(+549140),Wwox(+718999)	N/A
Chr8	115160124	115160273	Chr8.107907	Maf(+547595),Wwox(+720544)	N/A
Chr8	115161789	115161961	Chr8.107913	Maf(+545919),Wwox(+722220)	N/A
Chr8	115164848	115164988	Chr8.107921	Maf(+542876),Wwox(+725263)	N/A
Chr8	115165261	115165394	Chr8.107930	Maf(+542465),Wwox(+725673)	N/A
Chr8	115173689	115173960	Chr8.107936	Maf(+533669),Wwox(+734170)	N/A
Chr8	115199606	115199781	Chr8.107984	Maf(+508100),Wwox(+760039)	N/A
Chr8	115201864	115202005	Chr8.107988	Maf(+505859),Wwox(+762280)	N/A
Chr8	115203572	115203738	Chr8.107995	Maf(+504139),Wwox(+764000)	N/A
Chr8	115208399	115208699	Chr8.108008	Maf(+498300),Wwox(+768639)	N/A
Chr8	115209028	115209186	Chr8.108015	Maf(+488677),Wwox(+769452)	N/A
Chr8	115222687	115222824	Chr8.108038	Maf(+485038),Wwox(+783101)	N/A
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Chr8	115228914	115229166	Chr8.108047	Maf(+478754),Wwox(+789385)	N/A
Chr8	115259809	115259730	Chr8.108093	Maf(+448124),Wwox(+820015)	N/A
Chr8	115271890	115272056	Chr8.108121	Maf(+435821),Wwox(+832318)	N/A
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Chr8	115373889	115374154	Chr8.108308	Maf(+333772),Wwox(+934367)	N/A
Chr8	115419944	115420047	Chr8.108350	Maf(+287798),Wwox(+980341)	N/A
Chr8	115428838	115429039	Chr8.108360	Maf(+278720),Wwox(+989419)	N/A
Chr8	115429475	115429688	Chr8.108364	Maf(+278213),Wwox(+989926)	N/A
Chr8	115430923	115431098	Chr8.108366	Maf(+276733),Wwox(+991356)	N/A
Chr8	115466557	115466789	Chr8.108418	Maf(+241121)	N/A
Chr8	115597468	115597625	Chr8.108627	Maf(+110247)	N/A
Chr8	115663558	115666561	Chr8.108750	Maf(+41334)	N/A
Chr8	115703811	115704114	Chr8.108836	Maf(+3631)	N/A
Chr8	115704558	115704770	Chr8.108841	Maf(+3130)	N/A
Chr8	115705226	115705357	Chr8.108848	Maf(+2502)	N/A

Chr8	115707804	115708034	Chr8.108861	Maf(-125)	N/A
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Chr8	115709908	115710089	Chr8.108878	Maf(-2210)	N/A
Chr8	115711179	115711345	Chr8.108883	Maf(-3468)	N/A
Chr8	115711815	115712040	Chr8.108894	Maf(-4134)	N/A
Chr8	115757162	115757448	Chr8.108942	Dynrb2(-747710),Maf(-49511)	N/A
Chr8	115806764	115806874	Chr8.109000	Dynrb2(-698196),Maf(-99025)	N/A
Chr8	115823651	115823909	Chr8.109005	Dynrb2(-681235),Maf(-115986)	N/A
Chr8	115823975	115824175	Chr8.109007	Dynrb2(-680940),Maf(-116281)	N/A
Chr8	115825856	115826016	Chr8.109015	Dynrb2(-679079),Maf(-118142)	N/A
Chr8	115826571	115826719	Chr8.109020	Dynrb2(-678370),Maf(-118851)	N/A
Chr8	115831806	115831986	Chr8.109023	Dynrb2(-673119),Maf(-124102)	N/A
Chr8	115862940	115863070	Chr8.109062	Dynrb2(-642010),Maf(-155211)	N/A
Chr8	115874900	115875027	Chr8.109091	Dynrb2(-630051),Maf(-167170)	N/A
Chr8	115885490	115885684	Chr8.109099	Dynrb2(-619438),Maf(-177783)	N/A
Chr8	115895522	115895838	Chr8.109131	Dynrb2(-605335),Maf(-191886)	N/A
Chr8	115929924	115930164	Chr8.109199	Dynrb2(-574791),Maf(-222250)	N/A
Chr8	115934854	115935143	Chr8.109211	Dynrb2(-570016),Maf(-227205)	N/A
Chr8	115943047	115943327	Chr8.109233	Dynrb2(-561828),Maf(-235393)	N/A
Chr8	115982324	115982441	Chr8.109271	Dynrb2(-522632),Maf(-274589)	N/A
Chr8	115985779	115986929	Chr8.109278	Dynrb2(-519161),Maf(-278060)	N/A
Chr8	116031101	116031321	Chr8.109362	Dynrb2(-473804),Maf(-323417)	N/A
Chr8	116053458	116053896	Chr8.109392	Dynrb2(-451338),Maf(-345883)	N/A
Chr8	116078820	116078921	Chr8.109428	Dynrb2(-426144),Maf(-371077)	N/A
Chr8	116096756	116096989	Chr8.109461	Dynrb2(-408188),Maf(-389033)	N/A
Chr8	116111158	116111282	Chr8.109473	Maf(-403431),Dynrb2(-393790)	N/A
Chr8	116116980	116120106	Chr8.109481	Maf(-412249),Dynrb2(-384972)	N/A
Chr8	116120145	116120422	Chr8.109485	Maf(-412490),Dynrb2(-384731)	N/A
Chr8	116125052	116125153	Chr8.109491	Maf(-417309),Dynrb2(-379912)	N/A
Chr8	116175008	116175209	Chr8.109565	Maf(-467315),Dynrb2(-329906)	N/A
Chr8	116200617	116200858	Chr8.109603	Maf(-492944),Dynrb2(-304277)	N/A
Chr8	116229528	116230146	Chr8.109642	Maf(-522043),Dynrb2(-275178)	N/A
Chr8	116263496	116263642	Chr8.109684	Maf(-555775),Dynrb2(-241446)	N/A
Chr8	116316116	116316263	Chr8.109755	Maf(-608396),Dynrb2(-188825)	N/A
Chr8	116340064	116340189	Chr8.109784	Maf(-632333),Dynrb2(-164888)	N/A
Chr8	116366888	116366993	Chr8.109808	Maf(-659147),Dynrb2(-138074)	N/A
Chr8	116371694	116371745	Chr8.109817	Maf(-663901),Dynrb2(-133320)	N/A
Chr8	116412626	116412771	Chr8.109870	Maf(-704905),Dynrb2(-92316)	N/A
Chr8	116416994	116417133	Chr8.109881	Maf(-709270),Dynrb2(-87951)	N/A
Chr8	116430107	116430264	Chr8.109892	Maf(-722392),Dynrb2(-74829)	N/A
Chr8	116621728	116621946	Chr8.110076	Cdy2(+111154),Dynrb2(+116822)	N/A
Chr8	116814776	116814900	Chr8.110147	Cy2(-81847),Cmc2(-106817)	N/A
Chr8	116874417	116874518	Chr8.110163	Cy2(-141537),Cmc2(-46937)	N/A
Chr8	117112399	117112525	Chr8.110585	Gan(-45673),Bcof(+16608)	N/A
Chr8	117169439	117169634	Chr8.110668	Cmp1(-87482),Gan(+11402)	N/A
Chr8	117205244	117205428	Chr8.110751	Cmp1(-51683),Gan(+47201)	N/A
Chr8	117209599	117209707	Chr8.110771	Cmp1(-47368),Gan(+51518)	N/A
Chr8	117258460	117258613	Chr8.110784	Plog2(-239754),Cmp1(-1518)	N/A
Chr8	117259770	117259887	Chr8.110787	Plog2(-238462),Cmp1(-2810)	N/A
Chr8	117259992	117260094	Chr8.110791	Plog2(-238248),Cmp1(-3024)	N/A
Chr8	117260314	117260470	Chr8.110793	Plog2(-237899),Cmp1(-3373)	N/A
Chr8	117290543	117290863	Chr8.110806	Plog2(-207588),Cmp1(-33684)	N/A
Chr8	117291323	117291431	Chr8.110815	Plog2(-206914),Cmp1(-34358)	N/A
Chr8	117314682	117314812	Chr8.110822	Plog2(-183544),Cmp1(-57728)	N/A
Chr8	117315789	117315918	Chr8.110827	Plog2(-182437),Cmp1(-58835)	N/A
Chr8	117322185	117322335	Chr8.110832	Plog2(-176031),Cmp1(-65241)	N/A
Chr8	117356487	117356598	Chr8.110859	Plog2(-141748),Cmp1(+99524)	N/A
Chr8	117423156	117423277	Chr8.110896	Plog2(-75074),Cmp1(+166198)	N/A
Chr8	117670456	117670657	Chr8.111167	Sdh2b1(+990)	N/A
Chr8	117684433	117684614	Chr8.111173	Hsd17b3(-17422),Sdh42e1(-12977)	N/A
Chr8	117839608	117839846	Chr8.111281	Cdh13(-444006),Mphosph6(-37798)	N/A
Chr8	117928843	117928979	Chr8.111355	Cdh13(-354822),Mphosph6(-126982)	N/A
Chr8	117935293	117935454	Chr8.111371	Cdh13(-348359),Mphosph6(-133445)	N/A
Chr8	118004469	118004707	Chr8.111434	Cdh13(-279145),Mphosph6(-202659)	N/A
Chr8	118034208	118034344	Chr8.111453	Cdh13(-248457),Mphosph6(-3323)	N/A
Chr8	118104311	118104466	Chr8.111529	Mphosph6(-302460),Cdh13(-179344)	N/A
Chr8	118104547	118104733	Chr8.111533	Mphosph6(-302711),Cdh13(-179093)	N/A
Chr8	118137404	118137573	Chr8.111574	Mphosph6(-335560),Cdh13(-146244)	N/A
Chr8	118272549	118272711	Chr8.111689	Mphosph6(-470701),Cdh13(-11103)	N/A
Chr8	118283445	118283528	Chr8.111699	Cdh13(-296)	N/A
Chr8	118283604	118283906	Chr8.111703	Cdh13(-22)	N/A
Chr8	118410165	118410266	Chr8.111896	Hsbp1(-934322),Cdh13(+126483)	N/A
Chr8	118437328	118437487	Chr8.111933	Hsbp1(-907130),Cdh13(+153675)	N/A
Chr8	118518665	118518978	Chr8.112077	Hsbp1(-825716),Cdh13(+235089)	N/A
Chr8	4166117	4166268	Chr8.1121	Ev1b(-374)	N/A
Chr8	119053831	119053743	Chr8.112630	Hsbp1(-290851),Cdh13(+769954)	N/A
Chr8	4166405	4166612	Chr8.1129	Ev1b(-48)	N/A
Chr8	119547709	119547830	Chr8.113303	Sic38a8(-46072),Mbtas1(+10991)	N/A
Chr8	119914420	119914553	Chr8.113890	Crispld2(-77951),Gm20388(+3646)	N/A
Chr8	120186478	120186478	Chr8.114219	Gse1(-302065),Fam92b(-8916)	N/A
Chr8	120213960	120214161	Chr8.114228	Gse1(-274386),Fam92b(-36595)	N/A
Chr8	120229530	120229816	Chr8.114233	Gse1(-258774),Fam92b(-52307)	N/A
Chr8	120229905	120230162	Chr8.114243	Gse1(-258413),Fam92b(-52568)	N/A
Chr8	120230249	120230699	Chr8.114250	Gse1(-257973),Fam92b(-53008)	N/A
Chr8	120264881	120265216	Chr8.114265	Gse1(-223398),Fam92b(-87583)	N/A
Chr8	120284456	120284603	Chr8.114267	Gse1(-203917),Fam92b(-107064)	N/A
Chr8	120294111	120294277	Chr8.114269	Gse1(-194253),Fam92b(-16178)	N/A
Chr8	120298736	120298914	Chr8.114275	Gse1(-189622),Fam92b(-121359)	N/A
Chr8	120318611	120318723	Chr8.114284	Gse1(-169780),Fam92b(-141201)	N/A
Chr8	120323197	120323331	Chr8.114287	Gse1(-165183),Fam92b(-145798)	N/A
Chr8	120335754	120335895	Chr8.114294	Fam92b(-158359),Gse1(-152622)	N/A
Chr8	120343648	120343910	Chr8.114298	Fam92b(-166313),Gse1(-144668)	N/A
Chr8	120377195	120377308	Chr8.114310	Fam92b(-199731),Gse1(-11201)	N/A
Chr8	120381315	120381505	Chr8.114315	Fam92b(-203944),Gse1(-107037)	N/A
Chr8	120391975	120392238	Chr8.114320	Fam92b(-214641),Gse1(-96340)	N/A
Chr8	120399504	120399663	Chr8.114326	Fam92b(-222118),Gse1(-88863)	N/A
Chr8	120399895	120399833	Chr8.114331	Fam92b(-222286),Gse1(-88683)	N/A
Chr8	120404988	120405034	Chr8.114333	Fam92b(-227495),Gse1(-83486)	N/A
Chr8	120413350	120413575	Chr8.114340	Fam92b(-235997),Gse1(-74984)	N/A
Chr8	120416412	120416538	Chr8.114341	Fam92b(-239009),Gse1(-71972)	N/A
Chr8	120433256	120433360	Chr8.114353	Fam92b(-255842),Gse1(-55139)	N/A
Chr8	120438098	120438232	Chr8.114356	Fam92b(-260699),Gse1(-50282)	N/A
Chr8	120439406	120439545	Chr8.114359	Fam92b(-262010),Gse1(-48971)	N/A
Chr8	120441112	120441277	Chr8.114362	Fam92b(-263729),Gse1(-47252)	N/A
Chr8	120449946	120450329	Chr8.114373	Fam92b(-272672),Gse1(-38309)	N/A
Chr8	120455311	120455462	Chr8.114386	Fam92b(-277921),Gse1(-33060)	N/A
Chr8	120462046	120462199	Chr8.114392	Fam92b(-284657),Gse1(-26324)	N/A
Chr8	120462236	120462363	Chr8.114395	Fam92b(-284834),Gse1(-26147)	N/A
Chr8	120472314	120472425	Chr8.114402	Fam92b(-294994),Gse1(-16077)	N/A
Chr8	120472510	120472687	Chr8.114403	Fam92b(-295123),Gse1(-15658)	N/A
Chr8	120476847	120477341	Chr8.114410	Fam92b(-299628),Gse1(-11353)	N/A
Chr8	120485313	120485437	Chr8.114420	Gse1(-3072)	N/A
Chr8	120486042	120486306	Chr8.114427	Gse1(-2273)	N/A
Chr8	120487055	120487428	Chr8.114431	Gse1(-1205)	N/A
Chr8	120487863	120488047	Chr8.114435	Gse1(-462)	N/A
Chr8	120489367	120493527	Chr8.114446	Gse1(+5000),Gins2(+95857)	N/A
Chr8	120494587	120494754	Chr8.114450	Gse1(+6224),Gins2(+94633)	N/A
Chr8	120497615	120497732	Chr8.114454	Gse1(+9227),Gins2(+91630)	N/A
Chr8	120498903	120499020	Chr8.114456	Gse1(+10515),Gins2(+90342)	N/A
Chr8	120505161	120505275	Chr8.114461	Gse1(+16771),Gins2(+84286)	N/A
Chr8	120512343	120512501	Chr8.114469	Gse1(+23975),Gins2(+76882)	N/A
Chr8	120513945	120514090	Chr8.114471	Gse1(+25571),Gins2(+75286)	N/A
Chr8	120514274	120514510	Chr8.114473	Gse1(+25945),Gins2(+74912)	N/A
Chr8	120517207	120517430	Chr8.114478	Gse1(+28872),Gins2(+71985)	N/A
Chr8	120518085	120518216	Chr8.114481	Gse1(+29704),Gins2(+71153)	N/A
Chr8	120521119	120521377	Chr8.114484	Gse1(+32801),Gins2(+68056)	N/A
Chr8	120524633	120524745	Chr8.114488	Gse1(+36242),Gins2(+64615)	N/A
Chr8	120532429	120532556	Chr8.114491	Gse1(+44046),Gins2(+56811)	N/A
Chr8	120532977	120533166	Chr8.114493	Gse1(+44625),Gins2(+56232)	N/A
Chr8	120537925	120538037	Chr8.114507	Gse1(+49534),Gins2(+51323)	N/A
Chr8	120560102	120560260	Chr8.114522	Gins2(+39123),Gse1(+61734)	N/A
Chr8	120560719	120560849	Chr8.114526	Gins2(+38520),Gse1(+62337)	N/A
Chr8	120565982	120565936	Chr8.114533	Gins2(+29645),Gse1(+71212)	N/A
Chr8	120592013	120592116	Chr8.114699	Gins2(-2761)	N/A
Chr8	120598770	120598905	Chr8.114702	Gins2(-9534),119000506nk(+35654)	N/A
Chr8	120646955	120665115	Chr8.114731	Cox41(-3187),Emc8(+3086)	N/A
Chr8	120830811	120830952	Chr8.114835	Foxf1(-253592),Ifb(+4524)	N/A
Chr8	120839117	120839244	Chr8.114845	Foxf1(-245293),Ifb(+102823)	N/A

Chr8	120846168	120846292	Chr8.114850	<i>Foxf1(-238244),Irf8(+109872)</i>	N/A
Chr8	120851478	120851635	Chr8.114855	<i>Foxf1(-232917),Irf8(+115199)</i>	N/A
Chr8	120860292	120860394	Chr8.114858	<i>Foxf1(-224131),Irf8(+123985)</i>	N/A
Chr8	120860738	120861059	Chr8.114865	<i>Foxf1(-223575),Irf8(+124541)</i>	N/A
Chr8	120876572	120876772	Chr8.114886	<i>Foxf1(-207802),Irf8(+140314)</i>	N/A
Chr8	120882543	120882668	Chr8.114895	<i>Foxf1(-201868),Irf8(+146248)</i>	N/A
Chr8	120890908	120890919	Chr8.114920	<i>Foxf1(-185326),Irf8(+162790)</i>	N/A
Chr8	120902504	120902887	Chr8.114924	<i>Foxf1(-181778),Irf8(+166338)</i>	N/A
Chr8	120907749	120907890	Chr8.114929	<i>Foxf1(-176054),Irf8(+171462)</i>	N/A
Chr8	120937741	120937741	Chr8.114946	<i>Foxf1(-146821),Irf8(+201295)</i>	N/A
Chr8	120940368	120940531	Chr8.114948	<i>Foxf1(-144024),Irf8(+204092)</i>	N/A
Chr8	120947221	120947534	Chr8.114953	<i>Foxf1(-137096),Irf8(+211020)</i>	N/A
Chr8	120959611	120959734	Chr8.114968	<i>Foxf1(-124801),Irf8(+223315)</i>	N/A
Chr8	120972217	120972354	Chr8.114973	<i>Foxf1(-112188),Irf8(+235928)</i>	N/A
Chr8	120977314	120977474	Chr8.114980	<i>Foxf1(-107800),Irf8(+241036)</i>	N/A
Chr8	120980959	120981154	Chr8.114982	<i>Foxf1(-103417),Irf8(+244699)</i>	N/A
Chr8	121018148	121018288	Chr8.115017	<i>Foxf1(-66256),Irf8(+281860)</i>	N/A
Chr8	121021536	121021742	Chr8.115022	<i>Foxf1(-62835),Irf8(+285281)</i>	N/A
Chr8	121033805	121034035	Chr8.115033	<i>Foxf1(-50554),Irf8(+297562)</i>	N/A
Chr8	121054589	121054747	Chr8.115044	<i>Foxf1(-29805),Irf8(+318311)</i>	N/A
Chr8	121054889	121055123	Chr8.115049	<i>Foxf1(-29468),Irf8(+318648)</i>	N/A
Chr8	121057799	121057978	Chr8.115053	<i>Foxf1(-26585),Irf8(+321531)</i>	N/A
Chr8	121058279	121058432	Chr8.115055	<i>Foxf1(-26118),Irf8(+321998)</i>	N/A
Chr8	121070992	121071197	Chr8.115060	<i>Foxf1(-13379),Irf8(+334737)</i>	N/A
Chr8	121073447	121073548	Chr8.115062	<i>Foxf1(-10978),Irf8(+337140)</i>	N/A
Chr8	121083196	121083298	Chr8.115074	<i>Foxf1(-1227)</i>	N/A
Chr8	121089822	121089100	Chr8.115101	<i>Foxf1(-4537),Mthfsd(+19316)</i>	N/A
Chr8	121113788	121113895	Chr8.115163	<i>Foxc2(-2329)</i>	N/A
Chr8	121118465	121118593	Chr8.115194	<i>Foxf1(-9411),Foxc2(+2358)</i>	N/A
Chr8	121126782	121126946	Chr8.115200	<i>Foxf1(-1078)</i>	N/A
Chr8	121127680	121127791	Chr8.115204	<i>Foxf1(-204)</i>	N/A
Chr8	121135389	121135527	Chr8.115216	<i>Foxf1(+7518),1700018b08nk(+406496)</i>	N/A
Chr8	121152445	121152599	Chr8.115225	<i>Foxf1(+24582),1700018b08nk(+389432)</i>	N/A
Chr8	121175057	121175361	Chr8.115238	<i>Foxf1(+47269),1700018b08nk(+366745)</i>	N/A
Chr8	121180407	121180665	Chr8.115245	<i>Foxf1(+52596),1700018b08nk(+361418)</i>	N/A
Chr8	121180694	121180798	Chr8.115247	<i>Foxf1(+52806),1700018b08nk(+361208)</i>	N/A
Chr8	121180921	121181129	Chr8.115250	<i>Foxf1(+53855),1700018b08nk(+360929)</i>	N/A
Chr8	121200028	121200147	Chr8.115268	<i>Foxf1(+72148),1700018b08nk(+341866)</i>	N/A
Chr8	121202996	121203353	Chr8.115270	<i>Foxf1(+75235),1700018b08nk(+338779)</i>	N/A
Chr8	121203960	121204153	Chr8.115277	<i>Foxf1(+76117),1700018b08nk(+337897)</i>	N/A
Chr8	121220327	121220453	Chr8.115285	<i>Foxf1(+92450),1700018b08nk(+231564)</i>	N/A
Chr8	121251248	121251354	Chr8.115295	<i>Foxf1(+123361),1700018b08nk(+290653)</i>	N/A
Chr8	121272549	121272671	Chr8.115300	<i>Foxf1(+144770),1700018b08nk(+269244)</i>	N/A
Chr8	121283192	121283317	Chr8.115312	<i>Foxf1(+155315),1700018b08nk(+258699)</i>	N/A
Chr8	121283533	121283679	Chr8.115318	<i>Foxf1(+155666),1700018b08nk(+258348)</i>	N/A
Chr8	121286733	121286844	Chr8.115323	<i>Foxf1(+158849),1700018b08nk(+255165)</i>	N/A
Chr8	121298302	121298566	Chr8.115331	<i>Foxf1(+170944),1700018b08nk(+243520)</i>	N/A
Chr8	121300739	121300887	Chr8.115336	<i>Foxf1(+172873),1700018b08nk(+241141)</i>	N/A
Chr8	121300916	121301066	Chr8.115337	<i>Foxf1(+173051),1700018b08nk(+240963)</i>	N/A
Chr8	121301364	121301513	Chr8.115344	<i>Foxf1(+173499),1700018b08nk(+240515)</i>	N/A
Chr8	121302091	121302220	Chr8.115348	<i>Foxf1(+174216),1700018b08nk(+239798)</i>	N/A
Chr8	121302328	121302467	Chr8.115354	<i>Foxf1(+174458),1700018b08nk(+239556)</i>	N/A
Chr8	121306814	121306992	Chr8.115357	<i>Foxf1(+178963),1700018b08nk(+235051)</i>	N/A
Chr8	121311116	121311317	Chr8.115363	<i>Foxf1(+183277),1700018b08nk(+230716)</i>	N/A
Chr8	121313651	121314078	Chr8.115368	<i>Foxf1(+186075),1700018b08nk(+227938)</i>	N/A
Chr8	121316047	121316294	Chr8.115376	<i>Foxf1(+188231),1700018b08nk(+225783)</i>	N/A
Chr8	121322424	121322616	Chr8.115383	<i>Foxf1(+194580),1700018b08nk(+219434)</i>	N/A
Chr8	121326276	121326410	Chr8.115394	<i>Foxf1(+198403),1700018b08nk(+215611)</i>	N/A
Chr8	121334919	121335152	Chr8.115398	<i>1700018b08nk(+206928),Foxf1(+207088)</i>	N/A
Chr8	121343090	121343293	Chr8.115408	<i>1700018b08nk(+198752),Foxf1(+152352)</i>	N/A
Chr8	121359338	121359502	Chr8.115422	<i>1700018b08nk(+182534),Foxf1(+231480)</i>	N/A
Chr8	121368968	121369093	Chr8.115430	<i>1700018b08nk(+172923),Foxf1(+241091)</i>	N/A
Chr8	121369153	121369298	Chr8.115435	<i>1700018b08nk(+172728),Foxf1(+241286)</i>	N/A
Chr8	121372580	121372786	Chr8.115439	<i>1700018b08nk(+169281),Foxf1(+244733)</i>	N/A
Chr8	121375682	121375828	Chr8.115442	<i>1700018b08nk(+168749),Foxf1(+247265)</i>	N/A
Chr8	121377701	121377969	Chr8.115449	<i>1700018b08nk(+164119),Foxf1(+249895)</i>	N/A
Chr8	121378214	121378468	Chr8.115453	<i>1700018b08nk(+163613),Foxf1(+250401)</i>	N/A
Chr8	121382957	121383091	Chr8.115458	<i>1700018b08nk(+158930),Foxf1(+255084)</i>	N/A
Chr8	121392074	121392296	Chr8.115466	<i>1700018b08nk(+149789),Foxf1(+264228)</i>	N/A
Chr8	121394030	121394152	Chr8.115469	<i>1700018b08nk(+147863),Foxf1(+266151)</i>	N/A
Chr8	121394829	121394844	Chr8.115470	<i>1700018b08nk(+147171),Foxf1(+266797)</i>	N/A
Chr8	121395076	121395213	Chr8.115474	<i>1700018b08nk(+146809),Foxf1(+267205)</i>	N/A
Chr8	121396018	121396236	Chr8.115480	<i>1700018b08nk(+145827),Foxf1(+268187)</i>	N/A
Chr8	121398002	121398215	Chr8.115488	<i>1700018b08nk(+143845),Foxf1(+270169)</i>	N/A
Chr8	121425644	121425786	Chr8.115496	<i>1700018b08nk(+116039),Foxf1(+297775)</i>	N/A
Chr8	121451521	121451679	Chr8.115512	<i>1700018b08nk(+90354),Foxf1(+312352)</i>	N/A
Chr8	121465857	121466005	Chr8.115527	<i>1700018b08nk(+76023),Foxf1(+337991)</i>	N/A
Chr8	121468081	121468311	Chr8.115530	<i>1700018b08nk(+73758),Foxf1(+340256)</i>	N/A
Chr8	121468587	121468746	Chr8.115535	<i>1700018b08nk(+73287),Foxf1(+340727)</i>	N/A
Chr8	121468894	121469021	Chr8.115536	<i>1700018b08nk(+72996),Foxf1(+341018)</i>	N/A
Chr8	121474652	121474789	Chr8.115542	<i>1700018b08nk(+67228),Foxf1(+346788)</i>	N/A
Chr8	121478230	121478453	Chr8.115550	<i>1700018b08nk(+63615),Foxf1(+350420)</i>	N/A
Chr8	121484681	121484783	Chr8.115557	<i>1700018b08nk(+57222),Foxf1(+356792)</i>	N/A
Chr8	121489868	121489236	Chr8.115562	<i>1700018b08nk(+52851),Foxf1(+361163)</i>	N/A
Chr8	121492121	121492262	Chr8.115568	<i>1700018b08nk(+49762),Foxf1(+364252)</i>	N/A
Chr8	121619832	121619745	Chr8.115763	<i>Map1lc3b(+29327),Zcchc14(+33213)</i>	N/A
Chr8	121631984	121632107	Chr8.115768	<i>Zcchc14(+20855),Map1lc3b(+33213)</i>	N/A
Chr8	121635536	121636636	Chr8.115771	<i>Zcchc14(+16315),Map1lc3b(+46225)</i>	N/A
Chr8	121651828	121652159	Chr8.115774	<i>Zcchc14(+907)</i>	N/A
Chr8	121950607	121950713	Chr8.116012	<i>Bangp(+116)</i>	N/A
Chr8	121967966	121968237	Chr8.116013	<i>Zfp469(-301467),Bangp(+17558)</i>	N/A
Chr8	122102302	122102426	Chr8.116086	<i>Zfp469(-167209),Bangp(+151820)</i>	N/A
Chr8	122117793	122117895	Chr8.116093	<i>Zfp469(-151725),Bangp(+167300)</i>	N/A
Chr8	122255889	122256064	Chr8.116098	<i>Zfp469(-13592),Bangp(+305433)</i>	N/A
Chr8	122260646	122260746	Chr8.116109	<i>Zfp469(-8873),Bangp(+310152)</i>	N/A
Chr8	122261833	122261958	Chr8.116126	<i>Zfp469(-7673),Bangp(+311352)</i>	N/A
Chr8	122268901	122268926	Chr8.116174	<i>Zfp469(-509)</i>	N/A
Chr8	122269543	122269805	Chr8.116185	<i>Zfp469(-155)</i>	N/A
Chr8	122283760	122283898	Chr8.116213	<i>Zfpm1(+1688),Thr2(+76917)</i>	N/A
Chr8	122284524	122284673	Chr8.116219	<i>Zfpm1(+2458),Thr2(+76147)</i>	N/A
Chr8	122284755	122284854	Chr8.116222	<i>Zfpm1(+2664),Thr2(+75941)</i>	N/A
Chr8	122291037	122291367	Chr8.116227	<i>Zfpm1(+9061),Thr2(+69544)</i>	N/A
Chr8	122291877	122291985	Chr8.116230	<i>Zfpm1(+9790),Thr2(+68815)</i>	N/A
Chr8	122296642	122296801	Chr8.116234	<i>Zfpm1(+14581),Thr2(+64034)</i>	N/A
Chr8	122313438	122313565	Chr8.116263	<i>Zfpm1(+31361),Thr2(+47244)</i>	N/A
Chr8	122322816	122323013	Chr8.116276	<i>Thr2(+37831),Zfpm1(+40774)</i>	N/A
Chr8	122329061	122329200	Chr8.116288	<i>Thr2(+31615),Zfpm1(+46990)</i>	N/A
Chr8	4189237	4189336	Chr8.1166	<i>Ev15(+22720),Pir36(+28025)</i>	N/A
Chr8	122637013	122637139	Chr8.117139	<i>Palpn1(-14337),Cbf23(-62033)</i>	N/A
Chr8	122655591	122655741	Chr8.117189	<i>Palpn1(-44294),Cbf23(-33438)</i>	N/A
Chr8	122699108	122699348	Chr8.117196	<i>Cbfa23(-119)</i>	N/A
Chr8	122712545	122712688	Chr8.117204	<i>Acsf3(-62888),Cbfa23(-13508)</i>	N/A
Chr8	122720367	122720714	Chr8.117208	<i>Acsf3(-54964),Cbfa23(-21432)</i>	N/A
Chr8	122742537	122742635	Chr8.117222	<i>Cbfa23(-43577),Acsf3(-32619)</i>	N/A
Chr8	122745637	122746112	Chr8.117226	<i>Cbfa23(-46916),Acsf3(-29480)</i>	N/A
Chr8	122804167	122804465	Chr8.117301	<i>Cdh15(-44058),Acsf3(-29811)</i>	N/A
Chr8	122811959	122812128	Chr8.117302	<i>Cdh15(-36330),Acsf3(-36539)</i>	N/A
Chr8	122814628	122814754	Chr8.117317	<i>Cdh15(-33683),Acsf3(+39186)</i>	N/A
Chr8	4192478	4192581	Chr8.1176	<i>Pir36(+24782),Ev15(+25963)</i>	N/A
Chr8	122631986	122632117	Chr8.117762	<i>Ankrd11(+42736),Cdh15(+63683)</i>	N/A
Chr8	123039540	123039657	Chr8.117766	<i>Ankrd11(-64806),Spog7(+25687)</i>	N/A
Chr8	123040117	123040331	Chr8.117769	<i>Ankrd11(-65431),Spog7(-25057)</i>	N/A
Chr8	123884883	123884988	Chr8.118924	<i>Ccsap(-24727),Acta1(+9800)</i>	N/A
Chr8	124140973	124141241	Chr8.119351	<i>Galnt2(-90284),Urb2(+117713)</i>	N/A
Chr8	124234085	124234212	Chr8.119370	<i>Galnt2(-2758),Pgbp5(+199787)</i>	N/A
Chr8	124275480	124275617	Chr8.119372	<i>Galnt2(+44158),Pgbp5(+158387)</i>	N/A
Chr8	17535079	17535185	Chr8.11959	<i>Ccmd1(+149)</i>	N/A
Chr8	124654300	124654401	Chr8.119702	<i>2310022b05nk(+9018),Capn9(+78240)</i>	N/A
Chr8	124834267	124834382	Chr8.119880	<i>2810004n23nk(+28704),Trim67(+41306)</i>	N/A
Chr8	124863064	124863177	Chr8.119906	<i>2810004n23nk(-92),Gnatp(+88)</i>	N/A
Chr8	124863258	124863418	Chr8.120109	<i>Egrn1(-4084)</i>	N/A
Chr8	125027383	125027622	Chr8.120126	<i>Disc1(-26692),Tanax(+14506)</i>	N/A
Chr8	125043961	125044163	Chr8.120140	<i>Disc1(-10133),Tanax(+31065)</i>	N/A
Chr8	125069866	125070026	Chr8.120144	<i>Disc1(-15751),Sipa1f2(+422764)</i>	N/A
Chr8	125157120	125157340	Chr8.120204	<i>Disc1(-103035),Sipa1f2(+335480)</i>	N/A
Chr8					

Chr8	125224309	125224436	Chr8.120262	Disc1(+170178),Sipa1f2(+268337)	N/A
Chr8	125226937	125227121	Chr8.120266	Disc1(+172834),Sipa1f2(+265681)	N/A
Chr8	125227186	125227451	Chr8.120268	Disc1(+173124),Sipa1f2(+265391)	N/A
Chr8	125250416	125254189	Chr8.120269	Disc1(+199323),Sipa1f2(+236592)	N/A
Chr8	125277032	125277159	Chr8.120318	Sipa1f2(+215614),Disc1(+222901)	N/A
Chr8	125277268	125277482	Chr8.120321	Sipa1f2(+215335),Disc1(+223180)	N/A
Chr8	125293074	125293342	Chr8.120348	Sipa1f2(+199502),Disc1(+239013)	N/A
Chr8	125376146	125376336	Chr8.120385	Sipa1f2(+116469),Disc1(+322046)	N/A
Chr8	125398989	125398976	Chr8.120403	Sipa1f2(+93827),Disc1(+344688)	N/A
Chr8	125484947	125485010	Chr8.120581	Sipa1f2(+7781),Disc1(+430734)	N/A
Chr8	125500110	125500299	Chr8.120656	Map10(-169613),Sipa1f2(-7495)	N/A
Chr8	125506146	125506327	Chr8.120661	Map10(-163581),Sipa1f2(-13527)	N/A
Chr8	125513927	125514063	Chr8.120669	Map10(-155823),Sipa1f2(-21285)	N/A
Chr8	125558703	125559206	Chr8.120688	Map10(-110862),Sipa1f2(-66246)	N/A
Chr8	125569300	125569120	Chr8.120700	Map10(-100758),Sipa1f2(-76350)	N/A
Chr8	125569314	125569473	Chr8.120702	Map10(-100424),Sipa1f2(-76684)	N/A
Chr8	125584332	125584456	Chr8.120709	Sipa1f2(-91684),Map10(-85424)	N/A
Chr8	125590771	125590929	Chr8.120715	Sipa1f2(-98140),Map10(-78968)	N/A
Chr8	125611988	125612106	Chr8.120727	Sipa1f2(-119338),Map10(-57770)	N/A
Chr8	125716723	125716871	Chr8.120776	Nlpcr(-17406),Map10(+46979)	N/A
Chr8	125858715	125858987	Chr8.120995	Pcnx2(-39427),Nlpcr(+124663)	N/A
Chr8	125872830	125872992	Chr8.121019	Pcnx2(+25382),Nlpcr(+138708)	N/A
Chr8	125898249	125898349	Chr8.121079	Pcnx2(-6)	N/A
Chr8	126139514	126139748	Chr8.121229	Slc35f3(-158927),Kcnk1(+144529)	N/A
Chr8	126419770	126419926	Chr8.121319	Cox6(-2651)	N/A
Chr8	126517264	126517503	Chr8.121478	Tarbp1(-42289),Hf2bp2(+76082)	N/A
Chr8	126518124	126518224	Chr8.121481	Tarbp1(-43109),Hf2bp2(+75262)	N/A
Chr8	126524268	126524422	Chr8.121488	Tarbp1(-49280),Hf2bp2(+69091)	N/A
Chr8	126524559	126525167	Chr8.121492	Tarbp1(-49798),Hf2bp2(+68573)	N/A
Chr8	126531830	126531936	Chr8.121508	Tarbp1(-56818),Hf2bp2(+61553)	N/A
Chr8	126536915	126537056	Chr8.121516	Tarbp1(-61920),Hf2bp2(+56451)	N/A
Chr8	126537135	126537311	Chr8.121519	Tarbp1(-62158),Hf2bp2(+56213)	N/A
Chr8	126537354	126537634	Chr8.121521	Tarbp1(-62429),Hf2bp2(+55942)	N/A
Chr8	126538691	126538909	Chr8.121523	Tarbp1(-63735),Hf2bp2(+54636)	N/A
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Chr8	126566391	126566575	Chr8.121557	Tarbp1(-91418),Hf2bp2(+26953)	N/A
Chr8	126569620	126569735	Chr8.121561	Tarbp1(-91617),Hf2bp2(+26750)	N/A
Chr8	126567560	126567809	Chr8.121567	Tarbp1(-92620),Hf2bp2(+25751)	N/A
Chr8	126567853	126568008	Chr8.121571	Tarbp1(-92866),Hf2bp2(+25505)	N/A
Chr8	126585031	126585204	Chr8.121585	Tarbp1(-110053),Hf2bp2(+8318)	N/A
Chr8	126587105	126587423	Chr8.121593	Tarbp1(-112199),Hf2bp2(+6172)	N/A
Chr8	126588290	126588794	Chr8.121603	Tarbp1(-113477),Hf2bp2(+4894)	N/A
Chr8	126589050	126589241	Chr8.121607	Tarbp1(-114081),Hf2bp2(+42987)	N/A
Chr8	126589275	126589455	Chr8.121608	Tarbp1(-114300),Hf2bp2(+4071)	N/A
Chr8	126589823	126589999	Chr8.121616	Tarbp1(-114846),Hf2bp2(+3525)	N/A
Chr8	126592052	126592249	Chr8.121630	Tarbp1(-117086),Hf2bp2(+1285)	N/A
Chr8	126595098	126595380	Chr8.121641	Hf2bp2(-1803)	N/A
Chr8	126596354	126596482	Chr8.121649	Hf2bp2(-2982)	N/A
Chr8	126597942	126598232	Chr8.121655	Hf2bp2(-4651)	N/A
Chr8	126603473	126603615	Chr8.121664	Hf2bp2(-10108),Tomm20(+342377)	N/A
Chr8	126605228	126605476	Chr8.121671	Hf2bp2(-11916),Tomm20(+340569)	N/A
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Chr8	126654057	126654175	Chr8.121712	Tarbp2(-60680),Tomm20(+291805)	N/A
Chr8	126659660	126659866	Chr8.121717	Hf2bp2(-66327),Tomm20(+286158)	N/A
Chr8	126661572	126661921	Chr8.121722	Hf2bp2(-68311),Tomm20(+284174)	N/A
Chr8	126663299	126663518	Chr8.121734	Hf2bp2(-69973),Tomm20(+282512)	N/A
Chr8	126669432	126669655	Chr8.121761	Hf2bp2(-76108),Tomm20(+276377)	N/A
Chr8	126662206	126662482	Chr8.121771	Hf2bp2(-88938),Tomm20(+263577)	N/A
Chr8	126694338	1266949671	Chr8.121784	Hf2bp2(-105119),Tomm20(+246368)	N/A
Chr8	126728867	126729059	Chr8.121809	Hf2bp2(-135527),Tomm20(+216958)	N/A
Chr8	126732550	126732697	Chr8.121819	Hf2bp2(-139188),Tomm20(+213297)	N/A
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Chr8	126736028	126737164	Chr8.121830	Hf2bp2(-143610),Tomm20(+208879)	N/A
Chr8	126739982	126740086	Chr8.121836	Hf2bp2(-146598),Tomm20(+205887)	N/A
Chr8	126751172	126751906	Chr8.121839	Hf2bp2(-158373),Tomm20(+194112)	N/A
Chr8	126788858	126788959	Chr8.121867	Hf2bp2(-195473),Tomm20(+157012)	N/A
Chr8	126805492	126805691	Chr8.121879	Hf2bp2(-221566),Tomm20(+140329)	N/A
Chr8	126824800	126824916	Chr8.121888	Hf2bp2(-231422),Tomm20(+121063)	N/A
Chr8	126826103	126826247	Chr8.121890	Hf2bp2(-232739),Tomm20(+119746)	N/A
Chr8	126826448	126826553	Chr8.121891	Hf2bp2(-233065),Tomm20(+119429)	N/A
Chr8	126829526	126829714	Chr8.121895	Hf2bp2(-236184),Tomm20(+116301)	N/A
Chr8	126832610	126832983	Chr8.121906	Hf2bp2(-239361),Tomm20(+113124)	N/A
Chr8	126838279	126838494	Chr8.121925	Hf2bp2(-244951),Tomm20(+107534)	N/A
Chr8	126839029	126839336	Chr8.121929	Hf2bp2(-248838),Tomm20(+106647)	N/A
Chr8	126839400	126839501	Chr8.121931	Hf2bp2(-246019),Tomm20(+106470)	N/A
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Chr8	126874168	126874350	Chr8.121983	Hf2bp2(-280823),Tomm20(+71662)	N/A
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Chr8	126887030	126887156	Chr8.121992	Hf2bp2(-293657),Tomm20(+58629)	N/A
Chr8	126908126	126908244	Chr8.121997	Hf2bp2(-314749),Tomm20(+37736)	N/A
Chr8	126917513	126917672	Chr8.122015	Hf2bp2(-324157),Tomm20(+28328)	N/A
Chr8	126917762	126917869	Chr8.122017	Hf2bp2(-324380),Tomm20(+28105)	N/A
Chr8	126919404	126919520	Chr8.122019	Hf2bp2(-326026),Tomm20(+26459)	N/A
Chr8	126944949	126944978	Chr8.122038	Hf2bp2(-351478),Tomm20(+1607)	N/A
Chr8	127039011	127039178	Chr8.122067	Rbm34(-68016),Pard3(-24798)	N/A
Chr8	127065200	127065328	Chr8.122072	Pard3(+1371)	N/A
Chr8	127145397	127145502	Chr8.122107	Pard3(+81557)	N/A
Chr8	127196851	127197006	Chr8.122154	Pard3(+133036)	N/A
Chr8	127227309	127227462	Chr8.122182	Pard3(+163493)	N/A
Chr8	127230310	127230560	Chr8.122187	Pard3(+166542)	N/A
Chr8	127233897	127234023	Chr8.122191	Pard3(+170067)	N/A
Chr8	127379700	127379870	Chr8.122393	Nrp1(-979288),Pard3(+315892)	N/A
Chr8	127489604	127489867	Chr8.122601	Nrp1(-869337),Pard3(+425843)	N/A
Chr8	127499232	127499753	Chr8.122620	Nrp1(-869580),Pard3(+435600)	N/A
Chr8	127500184	127500468	Chr8.122626	Nrp1(-868977),Pard3(+436443)	N/A
Chr8	127512212	127512391	Chr8.122646	Nrp1(-846776),Pard3(+448404)	N/A
Chr8	127515985	127516474	Chr8.122655	Nrp1(-842843),Pard3(+452337)	N/A
Chr8	127535477	127535722	Chr8.122687	Nrp1(-823473),Pard3(+471707)	N/A
Chr8	127543512	127543753	Chr8.122696	Nrp1(-815440),Pard3(+479740)	N/A
Chr8	127548333	127548493	Chr8.122708	Nrp1(-810660),Pard3(+484520)	N/A
Chr8	127549611	127549716	Chr8.122716	Nrp1(-809409),Pard3(+483771)	N/A
Chr8	127553217	127553380	Chr8.122730	Nrp1(-805774),Pard3(+489406)	N/A
Chr8	127556882	127557062	Chr8.122736	Nrp1(-802101),Pard3(+493079)	N/A
Chr8	127593283	127593422	Chr8.122801	Nrp1(-765720),Pard3(+529460)	N/A
Chr8	127596403	127596547	Chr8.122809	Nrp1(-762988),Pard3(+532582)	N/A
Chr8	127596585	127596740	Chr8.122810	Nrp1(-762410),Pard3(+532770)	N/A
Chr8	127720113	127720222	Chr8.122855	Nrp1(-638965),Pard3(+656275)	N/A
Chr8	127774766	127774960	Chr8.123044	Nrp1(-584210),Pard3(+710970)	N/A
Chr8	127775542	127775768	Chr8.123050	Nrp1(-583418),Pard3(+711762)	N/A
Chr8	127802122	127802300	Chr8.123095	Nrp1(-556862),Pard3(+738318)	N/A
Chr8	127802764	127802903	Chr8.123098	Nrp1(-556239),Pard3(+738941)	N/A
Chr8	127803514	127803704	Chr8.123102	Nrp1(-556544),Pard3(+739716)	N/A
Chr8	127805302	127805523	Chr8.123109	Nrp1(-553660),Pard3(+741520)	N/A
Chr8	127809133	127809308	Chr8.123112	Nrp1(-549852),Pard3(+745328)	N/A
Chr8	127809377	127809504	Chr8.123117	Nrp1(-549632),Pard3(+745548)	N/A
Chr8	127820472	127820716	Chr8.123142	Nrp1(-538479),Pard3(+756701)	N/A
Chr8	127820844	127821078	Chr8.123147	Nrp1(-538114),Pard3(+757066)	N/A
Chr8	127833968	127834164	Chr8.123178	Nrp1(-525007),Pard3(+770713)	N/A
Chr8	127847249	127847476	Chr8.123194	Nrp1(-511710),Pard3(+783470)	N/A
Chr8	127891194	127891410	Chr8.123247	Nrp1(-467777),Pard3(+827409)	N/A
Chr8	127905247	127905403	Chr8.123256	Nrp1(-453748),Pard3(+841432)	N/A
Chr8	127939983	127940082	Chr8.123350	Nrp1(-419040),Pard3(+878140)	N/A
Chr8	127958798	127958907	Chr8.123393	Nrp1(-400220),Pard3(+894960)	N/A
Chr8	127973864	127974035	Chr8.123415	Nrp1(-385123),Pard3(+910057)	N/A
Chr8	128009381	128009810	Chr8.123475	Nrp1(-349477),Pard3(+945703)	N/A
Chr8	128010065	128010279	Chr8.123486	Nrp1(-348901),Pard3(+946279)	N/A
Chr8	128024970	128025087	Chr8.123510	Nrp1(-334044),Pard3(+961136)	N/A
Chr8	128025963	128026086	Chr8.123516	Nrp1(-333338),Pard3(+961842)	N/A
Chr8	128030550	128030673	Chr8.123519	Nrp1(-328461),Pard3(+965715)	N/A
Chr8	128030773	128030943	Chr8.123522	Nrp1(-328215),Pard3(+966965)	N/A
Chr8	128031008	128031116	Chr8.123524	Nrp1(-328011),Pard3(+967169)	N/A
Chr8	128058157	128058471	Chr8.123561	Nrp1(-300759),Pard3(+994421)	N/A
Chr8	128182969	128183252	Chr8.123675	Nrp1(-175962)	N/A
Chr8	128201150	128201413	Chr8.123714	Nrp1(-157791)	N/A
Chr8	128201630	128201733	Chr8.123717	Nrp1(-157391)	N/A

Chr8	128263399	128263621	Chr8.123820	<i>Nrp1(-95563)</i>	N/A
Chr8	128263977	128264122	Chr8.123830	<i>Nrp1(-95023)</i>	N/A
Chr8	128267302	128267455	Chr8.123838	<i>Nrp1(-91694)</i>	N/A
Chr8	128281143	128282620	Chr8.123843	<i>Nrp1(-90861)</i>	N/A
Chr8	128270474	128270574	Chr8.123849	<i>Nrp1(-88549)</i>	N/A
Chr8	128359041	128359140	Chr8.123940	<i>Nrp1(+18)</i>	N/A
Chr8	128359909	128360016	Chr8.123945	<i>Nrp1(+890)</i>	N/A
Chr8	128360382	128360589	Chr8.123952	<i>Igfb1(-325168),Nrp1(+1413)</i>	N/A
Chr8	128361332	128361622	Chr8.123959	<i>Igfb1(-324177),Nrp1(+2454)</i>	N/A
Chr8	128362538	128362957	Chr8.123967	<i>Igfb1(-322906),Nrp1(+3675)</i>	N/A
Chr8	128387314	128387581	Chr8.124024	<i>Igfb1(-298206),Nrp1(+28375)</i>	N/A
Chr8	128388133	128388232	Chr8.124029	<i>Igfb1(-297471),Nrp1(+29110)</i>	N/A
Chr8	128397046	128397252	Chr8.124047	<i>Igfb1(-288505),Nrp1(+38076)</i>	N/A
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Chr8	128415849	128416112	Chr8.124098	<i>Igfb1(-269673),Nrp1(+56908)</i>	N/A
Chr8	128416599	128416699	Chr8.124105	<i>Igfb1(-269005),Nrp1(+57578)</i>	N/A
Chr8	128416830	128417231	Chr8.124109	<i>Igfb1(-268623),Nrp1(+57958)</i>	N/A
Chr8	128437153	128437254	Chr8.124180	<i>Igfb1(-248450),Nrp1(+78131)</i>	N/A
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Chr8	128450461	128450570	Chr8.124228	<i>Igfb1(-235138),Nrp1(+91443)</i>	N/A
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Chr8	128454178	128454352	Chr8.124250	<i>Igfb1(-231389),Nrp1(+95192)</i>	N/A
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Chr8	128484860	128485090	Chr8.124337	<i>Igfb1(-200679),Nrp1(+125902)</i>	N/A
Chr8	128488050	128488394	Chr8.124347	<i>Igfb1(-187432),Nrp1(+129149)</i>	N/A
Chr8	128503724	128503958	Chr8.124432	<i>Igfb1(-181813),Nrp1(+144768)</i>	N/A
Chr8	128528677	128528812	Chr8.124461	<i>Igfb1(-156909),Nrp1(+169672)</i>	N/A
Chr8	128528856	128529169	Chr8.124463	<i>Igfb1(-156641),Nrp1(+169940)</i>	N/A
Chr8	128544645	128544873	Chr8.124499	<i>Igfb1(-140895),Nrp1(+185686)</i>	N/A
Chr8	128551738	128551883	Chr8.124519	<i>Igfb1(-133843),Nrp1(+192738)</i>	N/A
Chr8	128643483	128643642	Chr8.124603	<i>Igfb1(-42091),Nrp1(+284493)</i>	N/A
Chr8	128679920	128680135	Chr8.124619	<i>Igfb1(-5626),Nrp1(+320955)</i>	N/A
Chr8	18711787	18711920	Chr8.12494	<i>Angpt2(+29708),Mcp1(+116723)</i>	N/A
Chr8	18724644	18724830	Chr8.12515	<i>Angpt2(+16825),Mcp1(+129606)</i>	N/A
Chr8	18727089	18727218	Chr8.12522	<i>Angpt2(+14408),Mcp1(+132023)</i>	N/A
Chr8	18740496	18740546	Chr8.12541	<i>Angpt2(+991)</i>	N/A
Chr8	18741517	18741684	Chr8.12557	<i>Angpt2(-39)</i>	N/A
Chr8	18767706	18767878	Chr8.12593	<i>Agpat5(-78485),Angpt2(-26230)</i>	N/A
Chr8	18817176	18817479	Chr8.12631	<i>Angpt2(-75766),Agpat5(-28949)</i>	N/A
Chr8	22043582	22043689	Chr8.12989	<i>Atp7b(+16669),Cdc70(+73040)</i>	N/A
Chr8	22200464	22206057	Chr8.13337	<i>Tptc(-22923),Tsc1(+33205)</i>	N/A
Chr8	22502621	22502661	Chr8.13463	<i>Smm19(-26582),Vdac3(+87352)</i>	N/A
Chr8	22534861	22534976	Chr8.13514	<i>Smm19(-58040),Vdac3(+58894)</i>	N/A
Chr8	4238705	4238862	Chr8.1353	<i>Map2k7(-45)</i>	N/A
Chr8	22861478	22861615	Chr8.13998	<i>Ank1(-113335),Kat5a(+1998)</i>	N/A
Chr8	22889860	22889908	Chr8.14007	<i>Ank1(-85911),Kat5a(+29422)</i>	N/A
Chr8	22977896	22978058	Chr8.14161	<i>Nkx6-3(-175294),Ank1(+30295)</i>	N/A
Chr8	23139272	23139499	Chr8.14461	<i>Nkx6-3(-13885),Ank1(+164504)</i>	N/A
Chr8	23149134	23149356	Chr8.14484	<i>Nkx6-3(-4026)</i>	N/A
Chr8	23150243	23150365	Chr8.14487	<i>Nkx6-3(-2967)</i>	N/A
Chr8	23167587	23167769	Chr8.14532	<i>Nkx6-3(+14407),Gpat4(+40775)</i>	N/A
Chr8	23245392	23245620	Chr8.14643	<i>Gins4(-7836),Golga7(+11515)</i>	N/A
Chr8	23301406	23301518	Chr8.14684	<i>Sfrp1(-110040),Golga7(+44441)</i>	N/A
Chr8	23314449	23314974	Chr8.14698	<i>Sfrp1(-96790),Golga7(-57691)</i>	N/A
Chr8	23321238	23321423	Chr8.14712	<i>Sfrp1(-90171),Golga7(-64310)</i>	N/A
Chr8	23360806	23360940	Chr8.14716	<i>Golga7(-103852),Sfrp1(-50629)</i>	N/A
Chr8	23379632	23380067	Chr8.14725	<i>Golga7(-122829),Sfrp1(-31652)</i>	N/A
Chr8	23384364	23384736	Chr8.14730	<i>Golga7(-127529),Sfrp1(-26952)</i>	N/A
Chr8	23389448	23389611	Chr8.14738	<i>Golga7(-132609),Sfrp1(+21972)</i>	N/A
Chr8	23394117	23394274	Chr8.14742	<i>Golga7(-137175),Sfrp1(-17306)</i>	N/A
Chr8	23411333	23411479	Chr8.14770	<i>Sfrp1(-96)</i>	N/A
Chr8	23420497	23420558	Chr8.14798	<i>Zmat4(-249080),Sfrp1(+9076)</i>	N/A
Chr8	23425148	23425478	Chr8.14809	<i>Zmat4(-244345),Sfrp1(+13811)</i>	N/A
Chr8	23433008	234330715	Chr8.14819	<i>Zmat4(-238996),Sfrp1(+19165)</i>	N/A
Chr8	23435056	23435610	Chr8.14824	<i>Zmat4(-233100),Sfrp1(+25056)</i>	N/A
Chr8	23441817	23441971	Chr8.14827	<i>Zmat4(-227764),Sfrp1(+30392)</i>	N/A
Chr8	23442002	23442103	Chr8.14829	<i>Zmat4(-227605),Sfrp1(+30551)</i>	N/A
Chr8	23452350	23452555	Chr8.14845	<i>Zmat4(-217209),Sfrp1(+40951)</i>	N/A
Chr8	23479416	23479625	Chr8.14869	<i>Zmat4(-190137),Sfrp1(+68019)</i>	N/A
Chr8	23504783	23504991	Chr8.14881	<i>Zmat4(-164771),Sfrp1(+93385)</i>	N/A
Chr8	23657686	23657829	Chr8.14927	<i>Zmat4(-11900),Sfrp1(+246256)</i>	N/A
Chr8	23669486	23669724	Chr8.14942	<i>Zmat4(-53)</i>	N/A
Chr8	23669878	23670012	Chr8.14946	<i>Zmat4(+287)</i>	N/A
Chr8	23688203	23688336	Chr8.14970	<i>A730045e13rk(-485633),Zmat4(+18613)</i>	N/A
Chr8	23740779	23740896	Chr8.15022	<i>A730045e13rk(-433068),Zmat4(+180)</i>	N/A
Chr8	24296851	24297000	Chr8.15385	<i>A730045e13rk(+123022),Tcsm(+142020)</i>	N/A
Chr8	24419059	24419162	Chr8.15438	<i>Tcsm(+19835),A730045e13rk(+245207)</i>	N/A
Chr8	24419315	24419561	Chr8.15441	<i>Tcsm(+19508),A730045e13rk(+245534)</i>	N/A
Chr8	24427644	24427900	Chr8.15454	<i>Tcsm(+111174),A730045e13rk(+253868)</i>	N/A
Chr8	24437584	24437877	Chr8.15462	<i>Tcsm(+1210),A730045e13rk(+263832)</i>	N/A
Chr8	24445525	24445808	Chr8.15481	<i>Tcsm(+7121),Ido2(+130666)</i>	N/A
Chr8	24454743	24457602	Chr8.15490	<i>Tcsm(-18577),Ido2(+118810)</i>	N/A
Chr8	24466945	24467193	Chr8.15506	<i>Tcsm(-28123),Ido2(+109264)</i>	N/A
Chr8	24484115	24484236	Chr8.15518	<i>Tcsm(-45230),Ido2(+92157)</i>	N/A
Chr8	24506102	24506253	Chr8.15521	<i>Tcsm(-67232),Ido2(+70155)</i>	N/A
Chr8	24528874	24528983	Chr8.15531	<i>Tcsm(-67983),Ido2(+49404)</i>	N/A
Chr8	4529708	4529899	Chr8.15575	<i>Zfp958(-96036),Cers4(+36605)</i>	N/A
Chr8	25039144	25039301	Chr8.15941	<i>Htra4(-261)</i>	N/A
Chr8	25051937	25052173	Chr8.15964	<i>Htra4(-13093),Plekha2(+50139)</i>	N/A
Chr8	25103613	25103736	Chr8.16015	<i>Plekha2(-1481)</i>	N/A
Chr8	25154554	25154746	Chr8.16033	<i>Plekha2(-52456),Tacc1(+46799)</i>	N/A
Chr8	25155352	25155482	Chr8.16039	<i>Plekha2(-53223),Tacc1(+46032)</i>	N/A
Chr8	25190904	25191050	Chr8.16112	<i>Plekha2(-88783),Tacc1(+10472)</i>	N/A
Chr8	25275693	25275810	Chr8.16146	<i>Fgfr1(-243040),Tacc1(-74303)</i>	N/A
Chr8	25276039	25276155	Chr8.16149	<i>Fgfr1(-242695),Tacc1(-74648)</i>	N/A
Chr8	25276263	25276366	Chr8.16153	<i>Fgfr1(-242477),Tacc1(-74686)</i>	N/A
Chr8	25294347	25294552	Chr8.16167	<i>Fgfr1(-224542),Tacc1(-93001)</i>	N/A
Chr8	25305939	25306066	Chr8.16177	<i>Fgfr1(-212789),Tacc1(-104554)</i>	N/A
Chr8	25306139	25306520	Chr8.16178	<i>Fgfr1(-212462),Tacc1(-104881)</i>	N/A
Chr8	25324929	25325034	Chr8.16198	<i>Fgfr1(-193810),Tacc1(-123533)</i>	N/A
Chr8	25326244	25326514	Chr8.16202	<i>Fgfr1(-192413),Tacc1(-124930)</i>	N/A
Chr8	25353794	25354280	Chr8.16232	<i>Fgfr1(-164755),Tacc1(-152588)</i>	N/A
Chr8	25368740	25368842	Chr8.16243	<i>Tacc1(-167342),Fgfr1(-150001)</i>	N/A
Chr8	25371450	25371559	Chr8.16248	<i>Tacc1(-170056),Fgfr1(-147287)</i>	N/A
Chr8	25418634	25418787	Chr8.16279	<i>Tacc1(-217262),Fgfr1(-100081)</i>	N/A
Chr8	25462492	25462836	Chr8.16299	<i>Tacc1(-261215),Fgfr1(-56128)</i>	N/A
Chr8	25465832	25465936	Chr8.16304	<i>Tacc1(-264435),Fgfr1(-52908)</i>	N/A
Chr8	25480296	25480528	Chr8.16315	<i>Tacc1(-278963),Fgfr1(-38380)</i>	N/A
Chr8	25495724	25495841	Chr8.16335	<i>Tacc1(-294334),Fgfr1(-23009)</i>	N/A
Chr8	25504752	25504908	Chr8.16350	<i>Tacc1(-303381),Fgfr1(-13962)</i>	N/A
Chr8	25514419	25514597	Chr8.16359	<i>Fgfr1(-4284)</i>	N/A
Chr8	25514928	25515185	Chr8.16362	<i>Fgfr1(-3735)</i>	N/A
Chr8	25521270	25521423	Chr8.16376	<i>Fgfr1(+2555),Ltm2(+76140)</i>	N/A
Chr8	25528793	25528995	Chr8.16383	<i>Fgfr1(+10052),Ltm2(+6843)</i>	N/A
Chr8	25538116	25538215	Chr8.16385	<i>Fgfr1(+17374),Ltm2(+61321)</i>	N/A
Chr8	25536558	25536761	Chr8.16386	<i>Fgfr1(+17868),Ltm2(+60827)</i>	N/A
Chr8	25537347	25537470	Chr8.16391	<i>Fgfr1(+18617),Ltm2(+60078)</i>	N/A
Chr8	25554825	25554946	Chr8.16419	<i>Fgfr1(+36094),Ltm2(+42801)</i>	N/A
Chr8	25563554	25563540	Chr8.16456	<i>Ltm2(-24640),Fgfr1(+44655)</i>	N/A
Chr8	25574366	25574408	Chr8.16527	<i>Ltm2(-23055),Fgfr1(+55640)</i>	N/A
Chr8	25579376	25579515	Chr8.16546	<i>Ltm2(+18041),Fgfr1(+60654)</i>	N/A
Chr8	25603376	25603705	Chr8.16603	<i>Pipp5(-116523),Nsd3(+1257)</i>	N/A
Chr8	25603768	25603908	Chr8.16606	<i>Pipp5(-116226),Nsd3(+1554)</i>	N/A
Chr8	25604001	25604101	Chr8.16608	<i>Pipp5(-116013),Nsd3(+1767)</i>	N/A
Chr8	25628413	25628571	Chr8.16629	<i>Pipp5(-33572),Nsd3(+24208)</i>	N/A
Chr8	25663396	25663553	Chr8.16657	<i>Pipp5(-56589),Nsd3(+61191)</i>	N/A
Chr8	25676468	25676928	Chr8.16681	<i>Pipp5(-43366),Nsd3(+74414)</i>	N/A
Chr8	25719293	25719559	Chr8.16802	<i>Pipp5(-638)</i>	N/A
Chr8	25830169	25830403	Chr8.17041	<i>Ash2l(+10493),Star(+21812)</i>	N/A
Chr8	25912149	25912260	Chr8.17123	<i>Kcnul1(-62582),Hgsnat(+64539)</i>	N/A
Chr8	26158143	26158279	Chr8.17387	<i>Thap1(-1)</i>	N/A
Chr8	26255284	26255494	Chr8.17481	<i>Zfp703(-721947),Thap1(+97177)</i>	N/A
Chr8	26260299	26260473	Chr8.17484	<i>Zfp703(-716950),Thap1(+102174)</i>	N/A
Chr8	26264956	26265122	Chr8.17489	<i>Zfp703(-712297),Thap1(+106827)</i>	N/A
Chr8	26269523	26269622	Chr8.17493	<i>Zfp703(-710763),Thap1(+108361)</i>	N/A
Chr8	26269837	26269937	Chr8.17497	<i>Zfp703(-710449),Thap1(+108675)</i>	N/A
Chr8	26269956	26269248	Chr8.17504	<i>Zfp703(-708234),Thap1(+110890)</i>	N/A

Chr8	26273336	26273660	Chr8.17514	Zfp703(-703838),Thap1(+115286)	N/A
Chr8	26283427	26283569	Chr8.17534	Zfp703(-693838),Thap1(+125286)	N/A
Chr8	26287394	26287737	Chr8.17539	Zfp703(-689770),Thap1(+129354)	N/A
Chr8	26304822	26304957	Chr8.17553	Zfp703(-672446),Thap1(+146478)	N/A
Chr8	26305093	26305340	Chr8.17555	Zfp703(-672119),Thap1(+147005)	N/A
Chr8	26305455	26305567	Chr8.17557	Zfp703(-671825),Thap1(+147299)	N/A
Chr8	26305888	26308732	Chr8.17563	Zfp703(-668676),Thap1(+150448)	N/A
Chr8	26351612	26352050	Chr8.17617	Zfp703(-625505),Thap1(+193619)	N/A
Chr8	26352585	26352844	Chr8.17620	Zfp703(-624621),Thap1(+194503)	N/A
Chr8	26354624	26354798	Chr8.17629	Zfp703(-622625),Thap1(+196490)	N/A
Chr8	26358021	26358141	Chr8.17636	Zfp703(-619255),Thap1(+199689)	N/A
Chr8	26358817	26359117	Chr8.17638	Zfp703(-618369),Thap1(+200755)	N/A
Chr8	26384530	26384650	Chr8.17661	Zfp703(-592746),Thap1(+226378)	N/A
Chr8	26420635	26420969	Chr8.17680	Zfp703(-595534),Thap1(+262590)	N/A
Chr8	26438947	26439089	Chr8.17716	Zfp703(-538318),Thap1(+286806)	N/A
Chr8	26450473	26450880	Chr8.17746	Zfp703(-526659),Thap1(+292465)	N/A
Chr8	26453398	26453740	Chr8.17750	Zfp703(-523767),Thap1(+295357)	N/A
Chr8	26471894	26472330	Chr8.17768	Zfp703(-505224),Thap1(+313900)	N/A
Chr8	26478603	26478771	Chr8.17780	Zfp703(-498649),Thap1(+320475)	N/A
Chr8	26504277	26504741	Chr8.17808	Zfp703(-472827),Thap1(+346297)	N/A
Chr8	26507556	26507753	Chr8.17820	Zfp703(-469681),Thap1(+349443)	N/A
Chr8	26526479	26526749	Chr8.17842	Zfp703(-450722),Thap1(+368402)	N/A
Chr8	26533969	26534416	Chr8.17858	Zfp703(-443143),Thap1(+375981)	N/A
Chr8	26596012	26596205	Chr8.17907	Zfp703(-381227),Thap1(+437897)	N/A
Chr8	26622279	26622448	Chr8.17929	Zfp703(-354972),Thap1(+464152)	N/A
Chr8	26625296	26625978	Chr8.17931	Zfp703(-354549),Thap1(+464575)	N/A
Chr8	26626452	26626782	Chr8.17934	Zfp703(-350719),Thap1(+468405)	N/A
Chr8	26627482	26627806	Chr8.17937	Zfp703(-349692),Thap1(+469432)	N/A
Chr8	26649830	26650182	Chr8.17961	Zfp703(-327330),Thap1(+491794)	N/A
Chr8	26672804	26673029	Chr8.17993	Zfp703(-304419),Thap1(+514705)	N/A
Chr8	26673162	26673448	Chr8.17997	Zfp703(-304021),Thap1(+515093)	N/A
Chr8	26680035	26681098	Chr8.18012	Zfp703(-295329),Thap1(+522084)	N/A
Chr8	26688087	26688347	Chr8.18024	Zfp703(-289119),Thap1(+530005)	N/A
Chr8	26690139	26690243	Chr8.18038	Zfp703(-287145),Thap1(+531979)	N/A
Chr8	26747463	26747741	Chr8.18080	Zfp703(-229734),Thap1(+589390)	N/A
Chr8	26747809	26748362	Chr8.18084	Zfp703(-229250),Thap1(+589874)	N/A
Chr8	26770546	26770755	Chr8.18087	Zfp703(-206685),Thap1(+612439)	N/A
Chr8	26779165	26779345	Chr8.18100	Zfp703(-198081),Thap1(+621043)	N/A
Chr8	26804276	26804509	Chr8.18125	Zfp703(-172943),Thap1(+646181)	N/A
Chr8	26808399	26808685	Chr8.18137	Zfp703(-168794),Thap1(+650330)	N/A
Chr8	26828546	26828851	Chr8.18163	Zfp703(-148637),Thap1(+670478)	N/A
Chr8	26828944	26829093	Chr8.18165	Zfp703(-148317),Thap1(+670807)	N/A
Chr8	26836370	26836627	Chr8.18194	Zfp703(-140837),Thap1(+678267)	N/A
Chr8	26841369	26841518	Chr8.18204	Zfp703(-135892),Thap1(+683232)	N/A
Chr8	26844167	26844308	Chr8.18210	Zfp703(-133098),Thap1(+686026)	N/A
Chr8	26844592	26844724	Chr8.18213	Zfp703(-132678),Thap1(+686446)	N/A
Chr8	26848521	26848995	Chr8.18221	Zfp703(-128578),Thap1(+690546)	N/A
Chr8	26852096	26852577	Chr8.18225	Zfp703(-124999),Thap1(+694125)	N/A
Chr8	26852617	26852909	Chr8.18230	Zfp703(-124573),Thap1(+694551)	N/A
Chr8	26852944	26853082	Chr8.18231	Zfp703(-124323),Thap1(+694801)	N/A
Chr8	26853121	26853231	Chr8.18232	Zfp703(-124160),Thap1(+694964)	N/A
Chr8	26868425	26868599	Chr8.18243	Zfp703(-108824),Thap1(+710300)	N/A
Chr8	26868401	26868545	Chr8.18249	Zfp703(-93863),Thap1(+722621)	N/A
Chr8	26914025	26914358	Chr8.18280	Zfp703(-631141),Thap1(+755980)	N/A
Chr8	26961321	26961724	Chr8.18307	Zfp703(-15813),Thap1(+803311)	N/A
Chr8	26983718	26983841	Chr8.18374	Erlin2(-40019),Zfp703(+6444)	N/A
Chr8	26984594	26985034	Chr8.18380	Erlin2(-38985),Zfp703(+7478)	N/A
Chr8	26994008	26994377	Chr8.18391	Erlin2(-29606),Zfp703(+16857)	N/A
Chr8	26998959	27000034	Chr8.18398	Erlin2(-23652),Zfp703(+22611)	N/A
Chr8	27008613	27008840	Chr8.18410	Erlin2(-15072),Zfp703(+31391)	N/A
Chr8	27009478	27009965	Chr8.18411	Erlin2(-14077),Zfp703(+32386)	N/A
Chr8	27023782	27023923	Chr8.18415	Erlin2(+54)	N/A
Chr8	27024597	27024729	Chr8.18418	Erlin2(+864)	N/A
Chr8	27034506	27034602	Chr8.18451	Pipbp1(-1991),Erlin2(+10785)	N/A
Chr8	27058712	27059056	Chr8.18511	Adgra2(-26714),Pipbp1(+16329)	N/A
Chr8	27059794	27060005	Chr8.18518	Adgra2(-25698),Pipbp1(+17345)	N/A
Chr8	27084050	27084217	Chr8.18526	Adgra2(-1464)	N/A
Chr8	27087115	27087305	Chr8.18536	Adgra2(+1612),Brf2(+41422)	N/A
Chr8	27089963	27090110	Chr8.18543	Adgra2(+4439),Brf2(+38965)	N/A
Chr8	27090985	27091203	Chr8.18547	Adgra2(+5486),Brf2(+37538)	N/A
Chr8	27104377	27104521	Chr8.18571	Adgra2(-18851),Brf2(+24183)	N/A
Chr8	27106791	27107083	Chr8.18574	Adgra2(+21339),Brf2(+21695)	N/A
Chr8	27123228	27123465	Chr8.18723	Brf2(+5285),Adgra2(-37749)	N/A
Chr8	27160221	27160346	Chr8.18841	Brf2(-31652),Rab11fip1(+14362)	N/A
Chr8	27166962	27167070	Chr8.18846	Brf2(-38384),Rab11fip1(+7630)	N/A
Chr8	27193825	27193977	Chr8.19322	Poteg(+491231)	N/A
Chr8	28400550	28400696	Chr8.19606	Unc5d(+818715),Poteg(+952953)	N/A
Chr8	28400986	28401258	Chr8.19612	Unc5d(+818216),Poteg(+953452)	N/A
Chr8	28559859	28560066	Chr8.19674	Unc5d(+659375)	N/A
Chr8	28594539	28594730	Chr8.19749	Unc5d(+624703)	N/A
Chr8	28695591	28695703	Chr8.19860	Unc5d(+523691)	N/A
Chr8	5285674	52856921	Chr8.2013	Gm184(-353786),Slc10a2(-180566)	N/A
Chr8	29123041	29123264	Chr8.20568	Unc5d(+96185)	N/A
Chr8	29306255	29306483	Chr8.20778	Unc5d(-87031)	N/A
Chr8	29913113	29913288	Chr8.21065	Unc5d(-693863)	N/A
Chr8	30227509	30227702	Chr8.21246	Dusp26(-861865)	N/A
Chr8	30561946	30562097	Chr8.21540	Dusp26(-527448)	N/A
Chr8	30669565	30669786	Chr8.21634	Dusp26(-419795)	N/A
Chr8	30823034	30823207	Chr8.21769	Dusp26(-266350)	N/A
Chr8	30823268	30823417	Chr8.21771	Dusp26(-266128)	N/A
Chr8	30916401	30916588	Chr8.21818	Dusp26(-172976)	N/A
Chr8	30924757	30924888	Chr8.21839	Dusp26(-164648)	N/A
Chr8	30940504	30940700	Chr8.21869	Dusp26(-146869)	N/A
Chr8	30941027	30941292	Chr8.21875	Dusp26(-148311)	N/A
Chr8	30946330	30946493	Chr8.21882	Dusp26(-143059)	N/A
Chr8	30959081	30959273	Chr8.21885	Dusp26(-130294)	N/A
Chr8	30960879	30960972	Chr8.21891	Dusp26(-128645)	N/A
Chr8	30962289	30962412	Chr8.21893	Dusp26(-127120)	N/A
Chr8	30962441	30962544	Chr8.21896	Dusp26(-126978)	N/A
Chr8	31002435	31002566	Chr8.21918	Dusp26(-86970)	N/A
Chr8	31033377	31033477	Chr8.21947	Dusp26(-56044)	N/A
Chr8	31113289	31113457	Chr8.21994	Tl2(-36943),Rnf122(+1553)	N/A
Chr8	31121115	31121243	Chr8.22006	Tl2(-29137),Rnf122(+9359)	N/A
Chr8	31121307	31121514	Chr8.22009	Tl2(-38905),Rnf122(+9591)	N/A
Chr8	31301098	31301627	Chr8.22210	Fut10(+114016),Gm5117(+438400)	N/A
Chr8	31314963	31315159	Chr8.22228	Fut10(+127714),Gm5117(+424702)	N/A
Chr8	31372017	31372135	Chr8.22263	Fut10(+184729),Gm5117(+367687)	N/A
Chr8	31448002	31448128	Chr8.22321	Fut10(+260718),Gm5117(+291698)	N/A
Chr8	5482174	5482442	Chr8.2226	Slc10a2(-377078),Gm184(-157276)	N/A
Chr8	31918572	31918698	Chr8.22915	Nrg1(-432)	N/A
Chr8	31919201	31919320	Chr8.22919	Nrg1(-1058)	N/A
Chr8	31919424	31919686	Chr8.22921	Nrg1(-1352)	N/A
Chr8	32007798	32007934	Chr8.23026	Nrg1(-89663)	N/A
Chr8	32059123	32059253	Chr8.23091	Nrg1(-140985)	N/A
Chr8	32220443	32220591	Chr8.23282	Nrg1(-302314)	N/A
Chr8	32220878	32220995	Chr8.23285	Nrg1(-302734)	N/A
Chr8	32292780	32292908	Chr8.23362	Nrg1(-374641)	N/A
Chr8	32293294	32293406	Chr8.23369	Nrg1(-375147)	N/A
Chr8	32348975	32349135	Chr8.23428	Nrg1(-430852)	N/A
Chr8	32349184	32349285	Chr8.23431	Nrg1(-431032)	N/A
Chr8	32425127	32425274	Chr8.23468	Nrg1(-508698),Wnn(+960326)	N/A
Chr8	32566099	32566201	Chr8.23607	Nrg1(-647947),Wnn(+819377)	N/A
Chr8	32602900	32603031	Chr8.23641	Nrg1(-684763),Wnn(+782561)	N/A
Chr8	32883509	32883785	Chr8.23844	Nrg1(-965444),Wnn(+501880)	N/A
Chr8	33887897	33888988	Chr8.24186	Wnn(-3366),Pung(+2568)	N/A
Chr8	33784058	33784199	Chr8.24538	Smm18(-36355),Rbpms(+145676)	N/A
Chr8	33786475	33786649	Chr8.24559	Smm18(-38792),Rbpms(+143243)	N/A
Chr8	33820188	33820304	Chr8.24602	Smm18(-72476),Rbpms(+109559)	N/A
Chr8	33837001	33837170	Chr8.24615	Smm18(-89316),Rbpms(+92719)	N/A
Chr8	33844989	33845112	Chr8.24620	Smm18(-97281),Rbpms(+84754)	N/A
Chr8	33845987	33846188	Chr8.24626	Smm18(-98323),Rbpms(+83712)	N/A
Chr8	33853671	33853812	Chr8.24636	Smm18(-105972),Rbpms(+76063)	N/A
Chr8	33869671	33869817	Chr8.24666	Smm18(-121974),Rbpms(+60061)	N/A
Chr8	33888505	33888739	Chr8.24682	Smm18(-140852),Rbpms(+41183)	N/A
Chr8	33899418	33899530	Chr8.24690	Smm18(-151704),Rbpms(+30331)	N/A
Chr8	33904094	33904213	Chr8.24696	Smm18(-163694),Rbpms(+29651)	N/A
Chr8	33905860	33905982	Chr8.24701	Smm18(-158151),Rbpms(+23864)	N/A
Chr8	33909724	33909896	Chr8.24706	Smm18(-162040),Rbpms(+19959)	N/A

Chr8	33916276	33916380	Chr8.24710	<i>Snim18(-168558),Rbpms(+13477)</i>	N/A
Chr8	33922932	33923119	Chr8.24714	<i>Snim18(-175256),Rbpms(+6779)</i>	N/A
Chr8	33928971	33929076	Chr8.24724	<i>Rbpms(+781)</i>	N/A
Chr8	33929243	33929352	Chr8.24728	<i>Rbpms(+507)</i>	N/A
Chr8	34075052	34075268	Chr8.24757	<i>Rbpms(-145355),Dctn6(+33636)</i>	N/A
Chr8	34101522	34101828	Chr8.24796	<i>Rbpms(-171870),Dctn6(+7121)</i>	N/A
Chr8	34300560	34300705	Chr8.24962	<i>Gm4889(-27277),Sara(+146070)</i>	N/A
Chr8	34326659	34326808	Chr8.24991	<i>Gm4889(-1176)</i>	N/A
Chr8	34352958	34353332	Chr8.24999	<i>Dusp4(-454153),Gm4889(+25235)</i>	N/A
Chr8	34363811	34363980	Chr8.25015	<i>Dusp4(-443461),Gm4889(+35986)</i>	N/A
Chr8	34372322	34372461	Chr8.25021	<i>Dusp4(-434905),Gm4889(+44482)</i>	N/A
Chr8	34385986	34386148	Chr8.25041	<i>Dusp4(-421230),Gm4889(+58157)</i>	N/A
Chr8	34451684	34451834	Chr8.25077	<i>Dusp4(-355538),Gm4889(+123849)</i>	N/A
Chr8	34525077	34525215	Chr8.25126	<i>Dusp4(-282151),Gm4889(+197236)</i>	N/A
Chr8	34562400	34562585	Chr8.25173	<i>Dusp4(-244804),Gm4889(+234583)</i>	N/A
Chr8	34573089	34573284	Chr8.25176	<i>Dusp4(-234110),Gm4889(+245277)</i>	N/A
Chr8	34601018	34601152	Chr8.25188	<i>Dusp4(-206212),Gm4889(+273175)</i>	N/A
Chr8	34680145	34680316	Chr8.25228	<i>Dusp4(-127066),Gm4889(+352321)</i>	N/A
Chr8	34831352	34831549	Chr8.25394	<i>Dusp4(+24154),Trks(+134239)</i>	N/A
Chr8	34853537	34863661	Chr8.25478	<i>Dusp4(+76302),Trks(+82091)</i>	N/A
Chr8	34890679	34890860	Chr8.25506	<i>Trks(+74920),Dusp4(+83473)</i>	N/A
Chr8	34893109	34893273	Chr8.25517	<i>Trks(+72499),Dusp4(+85894)</i>	N/A
Chr8	34918926	34919038	Chr8.25543	<i>Trks(+46708),Dusp4(+111685)</i>	N/A
Chr8	35130730	35130844	Chr8.25673	<i>Ppp13b(-244954),Trks(-165097)</i>	N/A
Chr8	35196599	35196825	Chr8.25703	<i>Trks(-231022),Ppp13b(-179029)</i>	N/A
Chr8	35227457	35227639	Chr8.25727	<i>Trks(-261858),Ppp13b(-149139)</i>	N/A
Chr8	35236219	35236340	Chr8.25738	<i>Trks(-270590),Ppp13b(-139461)</i>	N/A
Chr8	35338121	35338380	Chr8.25797	<i>Trks(-372561),Ppp13b(-37490)</i>	N/A
Chr8	35410485	35410606	Chr8.25908	<i>Ppp13b(+34805),Erl(+84987)</i>	N/A
Chr8	35417415	35417581	Chr8.25916	<i>Ppp13b(+41757),Erl(+78035)</i>	N/A
Chr8	35424007	35424192	Chr8.25921	<i>Ppp13b(+83359),Erl(+71433)</i>	N/A
Chr8	35574001	35574210	Chr8.25993	<i>Erl(-78573),Mhas1(-13892)</i>	N/A
Chr8	35608029	35608254	Chr8.26009	<i>Mhas1(+20344),Cldn23(+218417)</i>	N/A
Chr8	35654770	35654913	Chr8.26120	<i>Mhas1(+67044),Cldn23(+171717)</i>	N/A
Chr8	35876084	35876329	Chr8.26328	<i>Prag1(-218621),Cldn23(-49648)</i>	N/A
Chr8	35883295	35883526	Chr8.26348	<i>Prag1(-211417),Cldn23(-56852)</i>	N/A
Chr8	35894995	35894992	Chr8.26352	<i>Prag1(-199984),Cldn23(-68285)</i>	N/A
Chr8	35985351	35985495	Chr8.26420	<i>Cldn23(-158864),Prag1(-109405)</i>	N/A
Chr8	36084292	36084587	Chr8.26505	<i>Cldn23(-257881),Prag1(-10388)</i>	N/A
Chr8	36084753	36084995	Chr8.26513	<i>Cldn23(-258315),Prag1(-9954)</i>	N/A
Chr8	36096352	36096550	Chr8.26522	<i>Prag1(+1623),Lorrf1(+153065)</i>	N/A
Chr8	36121840	36121942	Chr8.26595	<i>Prag1(-27063),Lorrf1(+127625)</i>	N/A
Chr8	36159191	36159307	Chr8.26700	<i>Prag1(+64421),Lorrf1(+96267)</i>	N/A
Chr8	36283426	36283535	Chr8.26784	<i>Tmrb9b(-174093),Lorrf1(-33965)</i>	N/A
Chr8	36291113	36291217	Chr8.26788	<i>Tmrb9b(-166409),Lorrf1(-41649)</i>	N/A
Chr8	36313026	36313139	Chr8.26805	<i>Tmrb9b(-144491),Lorrf1(-63567)</i>	N/A
Chr8	36472959	36473108	Chr8.26853	<i>Tmrb9b(-154680),Dlc1(+479408)</i>	N/A
Chr8	36586107	36586239	Chr8.26907	<i>Tmrb9b(-105899),Dlc1(+386559)</i>	N/A
Chr8	36577934	36578135	Chr8.26974	<i>Tmrb9b(+120461),Dlc1(+374407)</i>	N/A
Chr8	36578176	36578437	Chr8.26976	<i>Tmrb9b(+120733),Dlc1(+374135)</i>	N/A
Chr8	36580699	36580810	Chr8.26996	<i>Tmrb9b(+123181),Dlc1(+371687)</i>	N/A
Chr8	36580857	36581025	Chr8.27000	<i>Tmrb9b(+123367),Dlc1(+371501)</i>	N/A
Chr8	36581272	36581429	Chr8.27006	<i>Tmrb9b(+123777),Dlc1(+371091)</i>	N/A
Chr8	36587848	36588063	Chr8.27078	<i>Tmrb9b(-130432),Dlc1(+364444)</i>	N/A
Chr8	36588229	36588378	Chr8.27081	<i>Tmrb9b(+130730),Dlc1(+364138)</i>	N/A
Chr8	36600098	36600296	Chr8.27098	<i>Tmrb9b(+142624),Dlc1(+352244)</i>	N/A
Chr8	36603167	36603284	Chr8.27104	<i>Tmrb9b(+145652),Dlc1(+349216)</i>	N/A
Chr8	36608656	36608763	Chr8.27115	<i>Tmrb9b(+151136),Dlc1(+343732)</i>	N/A
Chr8	36610583	36611048	Chr8.27119	<i>Tmrb9b(+152342),Dlc1(+341626)</i>	N/A
Chr8	36611648	36611821	Chr8.27125	<i>Tmrb9b(+154161),Dlc1(+340707)</i>	N/A
Chr8	36611953	36612128	Chr8.27131	<i>Tmrb9b(+154467),Dlc1(+340401)</i>	N/A
Chr8	36631965	36632203	Chr8.27145	<i>Tmrb9b(+174510),Dlc1(+320358)</i>	N/A
Chr8	36639606	36639851	Chr8.27163	<i>Tmrb9b(+182155),Dlc1(+312713)</i>	N/A
Chr8	36640094	36640257	Chr8.27165	<i>Tmrb9b(+182602),Dlc1(+312266)</i>	N/A
Chr8	36643749	36643891	Chr8.27176	<i>Tmrb9b(+186348),Dlc1(+308623)</i>	N/A
Chr8	36644968	36645302	Chr8.27180	<i>Tmrb9b(+187561),Dlc1(+307307)</i>	N/A
Chr8	36661234	36661361	Chr8.27203	<i>Tmrb9b(+203724),Dlc1(+291144)</i>	N/A
Chr8	36676583	36676752	Chr8.27229	<i>Tmrb9b(+219094),Dlc1(+275774)</i>	N/A
Chr8	36689148	36689325	Chr8.27256	<i>Tmrb9b(+231663),Dlc1(+263205)</i>	N/A
Chr8	36714157	36714308	Chr8.27297	<i>Dlc1(+238270),Tmrb9b(+256658)</i>	N/A
Chr8	36723899	36724161	Chr8.27320	<i>Dlc1(+228412),Tmrb9b(+266456)</i>	N/A
Chr8	36727695	36727846	Chr8.27324	<i>Dlc1(+224671),Tmrb9b(+270197)</i>	N/A
Chr8	36732032	36732169	Chr8.27328	<i>Dlc1(+220341),Tmrb9b(+274527)</i>	N/A
Chr8	36732582	36732728	Chr8.27332	<i>Dlc1(+219787),Tmrb9b(+275081)</i>	N/A
Chr8	36747916	36748048	Chr8.27342	<i>Dlc1(+204459),Tmrb9b(+290409)</i>	N/A
Chr8	36755962	36756087	Chr8.27357	<i>Dlc1(+196417),Tmrb9b(+298451)</i>	N/A
Chr8	36766800	36767032	Chr8.27364	<i>Dlc1(+185526),Tmrb9b(+309342)</i>	N/A
Chr8	36879661	36879786	Chr8.27441	<i>Dlc1(+72718),Tmrb9b(+422150)</i>	N/A
Chr8	36886120	36886301	Chr8.27445	<i>Dlc1(+66231),Tmrb9b(+428637)</i>	N/A
Chr8	6207804	6208177	Chr8.2747	<i>Gm1840(+568407)</i>	N/A
Chr8	36915021	36915329	Chr8.27482	<i>Dlc1(+37267),Tmrb9b(+457601)</i>	N/A
Chr8	36930026	36931051	Chr8.27515	<i>Dlc1(+14523),Tmrb9b(+473415)</i>	N/A
Chr8	36952167	36952439	Chr8.27556	<i>Dlc1(+139)</i>	N/A
Chr8	36953138	36953374	Chr8.27565	<i>Dlc1(-814)</i>	N/A
Chr8	36953554	36953747	Chr8.27567	<i>Dlc1(-1053)</i>	N/A
Chr8	36962162	36962349	Chr8.27575	<i>A429214(-31319),Dlc1(-9814)</i>	N/A
Chr8	36962426	36962659	Chr8.27576	<i>A429214(-31032),Dlc1(-10101)</i>	N/A
Chr8	36987325	36987745	Chr8.27608	<i>Dlc1(-35093),A429214(-6040)</i>	N/A
Chr8	36987787	36987926	Chr8.27615	<i>Dlc1(-35415),A429214(-5718)</i>	N/A
Chr8	38661577	38661676	Chr8.28240	<i>Sgcz(-119)</i>	N/A
Chr8	40151243	40151392	Chr8.28838	<i>Msr1(-508640),Fgf20(+135635)</i>	N/A
Chr8	40151433	40151863	Chr8.28843	<i>Msr1(-508970),Fgf20(+135305)</i>	N/A
Chr8	6448910	64489797	Chr8.29012	<i>Gm1840(+409120)</i>	N/A
Chr8	40614507	40614679	Chr8.29313	<i>Mmr7(+20183),Vps37a(+102810)</i>	N/A
Chr8	40963110	40963225	Chr8.29502	<i>Pdgfr(+36935),Mus1(+170558)</i>	N/A
Chr8	41015138	41015257	Chr8.29624	<i>Pdgfr(+88965),Mus1(+118528)</i>	N/A
Chr8	41015515	41015660	Chr8.29630	<i>Pdgfr(+89355),Mus1(+118138)</i>	N/A
Chr8	41016485	41016592	Chr8.29638	<i>Pdgfr(+90306),Mus1(+117187)</i>	N/A
Chr8	41016812	41017036	Chr8.29639	<i>Pdgfr(+90691),Mus1(+116802)</i>	N/A
Chr8	41041466	41041610	Chr8.29657	<i>Mus1(+92188),Pdgfr(+115305)</i>	N/A
Chr8	41054455	41054782	Chr8.29680	<i>Mus1(+79107),Pdgfr(+128386)</i>	N/A
Chr8	41054841	41055046	Chr8.29686	<i>Mus1(+78782),Pdgfr(+128711)</i>	N/A
Chr8	41156794	41156943	Chr8.29758	<i>Mus1(-23143),Fgf1(+58287)</i>	N/A
Chr8	41178313	41178453	Chr8.29767	<i>Mus1(+44857),Fgf1(+36773)</i>	N/A
Chr8	41239643	41239833	Chr8.29823	<i>Pcm1(-21)</i>	N/A
Chr8	41452670	41452840	Chr8.30042	<i>Frg1(-35637)</i>	N/A
Chr8	41547708	41547828	Chr8.30114	<i>Frg1(-130650)</i>	N/A
Chr8	41552200	41552336	Chr8.30122	<i>Frg1(-135150)</i>	N/A
Chr8	41552370	41552501	Chr8.30125	<i>Frg1(-135318)</i>	N/A
Chr8	41612292	41612720	Chr8.30163	<i>Frg1(-195538)</i>	N/A
Chr8	41714353	41714498	Chr8.30276	<i>Frg1(-297308)</i>	N/A
Chr8	41818740	41818954	Chr8.30373	<i>Frg1(-401729)</i>	N/A
Chr8	41907672	41907847	Chr8.30435	<i>Frg1(-490642)</i>	N/A
Chr8	42348343	42348458	Chr8.30653	<i>Frg1(-931283),Trm1(+793085)</i>	N/A
Chr8	42348491	42348628	Chr8.30656	<i>Frg1(-931441),Trm1(+793927)</i>	N/A
Chr8	44034221	44034370	Chr8.31242	<i>Fat1(-915912),Adam34(-334809)</i>	N/A
Chr8	44261280	44261392	Chr8.31369	<i>Fat1(-688872),Adam34(-561849)</i>	N/A
Chr8	44374112	44374262	Chr8.31457	<i>Adam34(-674700),Fat1(-576021)</i>	N/A
Chr8	44767388	44767586	Chr8.31789	<i>Fat1(-182721)</i>	N/A
Chr8	44796091	44796872	Chr8.31811	<i>Fat1(-153426)</i>	N/A
Chr8	44826658	44826908	Chr8.31828	<i>Fat1(-123425)</i>	N/A
Chr8	44826938	44827170	Chr8.31834	<i>Fat1(-123154)</i>	N/A
Chr8	44827341	44827541	Chr8.31839	<i>Fat1(-122767)</i>	N/A
Chr8	44839229	44839360	Chr8.31848	<i>Fat1(-110913)</i>	N/A
Chr8	44839891	44839891	Chr8.31850	<i>Fat1(-110417)</i>	N/A
Chr8	44867790	44867911	Chr8.31876	<i>Fat1(-82357)</i>	N/A
Chr8	44899864	44900023	Chr8.31913	<i>Fat1(-50264)</i>	N/A
Chr8	44934322	44934429	Chr8.31945	<i>Fat1(-15832)</i>	N/A
Chr8	44935404	44935523	Chr8.31952	<i>Fat1(-14744)</i>	N/A
Chr8	44935842	44936025	Chr8.31956	<i>Fat1(-14274)</i>	N/A
Chr8	44939864	44939869	Chr8.31967	<i>Fat1(-11181)</i>	N/A
Chr8	44959520	44959697	Chr8.32137	<i>Mmr1a(-109528),Fat1(+9401)</i>	N/A
Chr8	44971354	44971647	Chr8.32146	<i>Mmr1a(-97636),Fat1(+21293)</i>	N/A
Chr8	44973796	44973897	Chr8.32156	<i>Mmr1a(-95290),Fat1(+23639)</i>	N/A
Chr8	44974772	44974917	Chr8.32158	<i>Mmr1a(-94292),Fat1(+24637)</i>	N/A
Chr8	44980196	44980364	Chr8.32168	<i>Mmr1a(-88857),Fat1(+30072)</i>	N/A
Chr8	44989793	449898105	Chr8.32205	<i>Mmr1a(-71098),Fat1(+47851)</i>	N/A
Chr8	44989719	44989828	Chr8.32208	<i>Mmr1a(-70363),Fat1(+48556)</i>	N/A

Chr8	45469581	45469787	Chr8.33260	Tir3(-59145), Sorbs2(-38104)	N/A
Chr8	45508031	45508136	Chr8.33286	Sorbs2(+296)	N/A
Chr8	45508530	45508704	Chr8.33390	Sorbs2(+829)	N/A
Chr8	45627829	45627763	Chr8.33396	Pdlim3(-257789), Sorbs2(+119908)	N/A
Chr8	45627873	45628020	Chr8.33399	Pdlim3(-257538), Sorbs2(+120159)	N/A
Chr8	45658168	45658292	Chr8.33437	Pdlim3(-227258), Sorbs2(+150442)	N/A
Chr8	45658703	45658951	Chr8.33440	Pdlim3(-226658), Sorbs2(+151039)	N/A
Chr8	45661259	45661494	Chr8.33449	Pdlim3(-224108), Sorbs2(+153589)	N/A
Chr8	45661778	45661946	Chr8.33452	Pdlim3(-223623), Sorbs2(+154074)	N/A
Chr8	45763819	45763956	Chr8.33596	Pdlim3(-121597), Sorbs2(+256100)	N/A
Chr8	45844584	45844748	Chr8.33835	Pdlim3(-40819), Sorbs2(+336878)	N/A
Chr8	45844962	45845062	Chr8.33839	Pdlim3(-40473), Sorbs2(+337224)	N/A
Chr8	45845411	45845519	Chr8.33844	Pdlim3(-40020), Sorbs2(+337677)	N/A
Chr8	45875182	45875476	Chr8.33864	Pdlim3(-10156), Sorbs2(+367541)	N/A
Chr8	46010841	46010740	Chr8.34118	Lrp2bp(+89)	N/A
Chr8	7131896	7132149	Chr8.3416	None	N/A
Chr8	46149466	46149593	Chr8.34243	Srx25(+2175), Lrp2bp(+138928)	N/A
Chr8	46207172	46207296	Chr8.34291	Slc25a4(+4050), Cflap97(+43583)	N/A
Chr8	46211161	46211320	Chr8.34323	Slc25a4(+43)	N/A
Chr8	46251610	46251610	Chr8.34342	Slc25a4(-40102), Helt(+43285)	N/A
Chr8	46251710	46251942	Chr8.34346	Slc25a4(-40542), Helt(+42645)	N/A
Chr8	46488147	46488417	Chr8.34447	Cenpu(-63778), Acs1(+17241)	N/A
Chr8	46490942	46491067	Chr8.34464	Cenpu(-61055), Acs1(+19964)	N/A
Chr8	46714438	46714616	Chr8.34707	Ir2(-25218), Casp3(+97078)	N/A
Chr8	46739485	46739656	Chr8.34719	Ir2(-174)	N/A
Chr8	46739730	46739874	Chr8.34722	Ir2(+57)	N/A
Chr8	46740053	46740155	Chr8.34725	Ir2(+359)	N/A
Chr8	46741729	46741834	Chr8.34729	Enpp6(-245145), Ir2(+2037)	N/A
Chr8	46751347	46751761	Chr8.34740	Enpp6(-235373), Ir2(+11809)	N/A
Chr8	46850723	46850824	Chr8.34807	Enpp6(-136153), Ir2(+111029)	N/A
Chr8	47023565	47023618	Chr8.34885	Enpp6(+42515), Stox2(+259960)	N/A
Chr8	47036945	47036872	Chr8.34897	Enpp6(+49832), Stox2(+252643)	N/A
Chr8	47090148	47090250	Chr8.34952	Enpp6(+103272), Stox2(+199203)	N/A
Chr8	47163371	47163517	Chr8.34999	Stox2(+125958), Enpp6(+176517)	N/A
Chr8	47186371	47186589	Chr8.35059	Stox2(+102922), Enpp6(+199553)	N/A
Chr8	7316912	7317048	Chr8.35058	None	N/A
Chr8	47211130	47211281	Chr8.35149	Stox2(+78196), Enpp6(+224279)	N/A
Chr8	47218139	47218328	Chr8.35162	Stox2(+71168), Enpp6(+231307)	N/A
Chr8	47218594	47218715	Chr8.35165	Stox2(+70747), Enpp6(+231728)	N/A
Chr8	47242255	47242441	Chr8.35192	Stox2(+47054), Enpp6(+255421)	N/A
Chr8	47242488	47242990	Chr8.35196	Stox2(+46663), Enpp6(+255812)	N/A
Chr8	47243067	47243226	Chr8.35198	Stox2(+46255), Enpp6(+256220)	N/A
Chr8	47252205	47252212	Chr8.35210	Stox2(+37143), Enpp6(+265332)	N/A
Chr8	7322895	7322996	Chr8.3522	None	N/A
Chr8	47286684	47286795	Chr8.35250	Stox2(+2662), Enpp6(+299813)	N/A
Chr8	47286832	47286945	Chr8.35252	Stox2(+2513), Enpp6(+299962)	N/A
Chr8	47287873	47288483	Chr8.35259	Stox2(+1224), Enpp6(+301251)	N/A
Chr8	47289151	47289233	Chr8.35269	Stox2(+220)	N/A
Chr8	47328827	47329099	Chr8.35303	Gm10083(-84166), Stox2(-39561)	N/A
Chr8	47345091	47345372	Chr8.35320	Gm10083(-67897), Stox2(-55830)	N/A
Chr8	47352010	47352163	Chr8.35333	Stox2(-62685), Gm10083(-61042)	N/A
Chr8	47352453	47352553	Chr8.35338	Stox2(-63101), Gm10083(-60626)	N/A
Chr8	47369303	47369496	Chr8.35347	Stox2(-19989), Gm10083(-43729)	N/A
Chr8	47362570	47362699	Chr8.35367	Stox2(-103233), Gm10083(-20494)	N/A
Chr8	47675179	47675370	Chr8.35588	Ing2(-117), Aa386476(-116)	N/A
Chr8	47787813	47787959	Chr8.35665	Cdkn2alp(-73955), Cldn24(-34257)	N/A
Chr8	47865696	47865949	Chr8.35810	Cldn22(+41341), Wwc2(+124720)	N/A
Chr8	47932537	47932712	Chr8.35910	Wwc2(+57918), Cldn22(+108143)	N/A
Chr8	47940315	47940509	Chr8.35912	Wwc2(+50131), Cldn22(+115930)	N/A
Chr8	47940699	47940762	Chr8.35915	Wwc2(+49857), Cldn22(+116204)	N/A
Chr8	47947997	47948196	Chr8.35927	Wwc2(+42446), Cldn22(+123615)	N/A
Chr8	47974230	47974349	Chr8.35933	Wwc2(+16253), Cldn22(+149808)	N/A
Chr8	47974442	47974590	Chr8.35935	Wwc2(+16027), Cldn22(+150034)	N/A
Chr8	47988099	47988204	Chr8.35946	Wwc2(+2391), Cldn22(+163670)	N/A
Chr8	47989410	47989542	Chr8.35953	Wwc2(+2087), Cldn22(+163994)	N/A
Chr8	47994698	47994889	Chr8.35964	Wwc2(+4251)	N/A
Chr8	48097730	48098360	Chr8.36049	Wwc2(-107502), Dctd(-11913)	N/A
Chr8	48136909	48137020	Chr8.36121	Dctd(-27007), Tnm3(+537725)	N/A
Chr8	48140393	48140580	Chr8.36148	Dctd(+30519), Tnm3(+534213)	N/A
Chr8	48142628	48142893	Chr8.36155	Dctd(+32833), Tnm3(+531929)	N/A
Chr8	48152617	48152780	Chr8.36168	Dctd(+47471), Tnm3(+521991)	N/A
Chr8	48153811	48154049	Chr8.36172	Dctd(+43972), Tnm3(+520760)	N/A
Chr8	48159011	48159133	Chr8.36192	Dctd(+49114), Tnm3(+515618)	N/A
Chr8	48178641	48178815	Chr8.36196	Dctd(+68770), Tnm3(+495962)	N/A
Chr8	48222041	48222147	Chr8.36225	Dctd(+112136), Tnm3(+452596)	N/A
Chr8	48232531	48232715	Chr8.36274	Dctd(+12665), Tnm3(+442047)	N/A
Chr8	48250022	48250149	Chr8.36350	Dctd(+140128), Tnm3(+424604)	N/A
Chr8	48274800	48275003	Chr8.36391	Dctd(+164944), Tnm3(+399788)	N/A
Chr8	48300054	48300560	Chr8.36538	Dctd(+190349), Tnm3(+374383)	N/A
Chr8	48304329	48304531	Chr8.36547	Dctd(+194452), Tnm3(+370280)	N/A
Chr8	48308821	48309129	Chr8.36556	Dctd(+199077), Tnm3(+365715)	N/A
Chr8	48313028	48313169	Chr8.36562	Dctd(+203141), Tnm3(+361591)	N/A
Chr8	48313981	48314140	Chr8.36598	Dctd(+204103), Tnm3(+360629)	N/A
Chr8	48400589	48400827	Chr8.36758	Tnm3(+273982), Dctd(+290750)	N/A
Chr8	48414334	48414521	Chr8.36782	Tnm3(+260262), Dctd(+304470)	N/A
Chr8	48438099	48438320	Chr8.36819	Tnm3(+236480), Dctd(+328252)	N/A
Chr8	48449576	48449884	Chr8.36832	Tnm3(+224960), Dctd(+339772)	N/A
Chr8	48456143	48456510	Chr8.36852	Tnm3(+218363), Dctd(+346399)	N/A
Chr8	48458293	48458752	Chr8.36855	Tnm3(+216167), Dctd(+348565)	N/A
Chr8	48465903	48466037	Chr8.36864	Tnm3(+208720), Dctd(+356012)	N/A
Chr8	48481404	48481643	Chr8.36880	Tnm3(+193166), Dctd(+371566)	N/A
Chr8	48487968	48488112	Chr8.36885	Tnm3(+188650), Dctd(+378082)	N/A
Chr8	48488318	48488432	Chr8.36891	Tnm3(+186315), Dctd(+378417)	N/A
Chr8	48488565	48488725	Chr8.36894	Tnm3(+186045), Dctd(+378687)	N/A
Chr8	48508800	48508925	Chr8.36916	Tnm3(+165827), Dctd(+398905)	N/A
Chr8	48509045	48509157	Chr8.36920	Tnm3(+165589), Dctd(+399143)	N/A
Chr8	48509224	48509520	Chr8.36923	Tnm3(+165318), Dctd(+399414)	N/A
Chr8	48511641	48511797	Chr8.36935	Tnm3(+162971), Dctd(+401750)	N/A
Chr8	4852395	48522721	Chr8.36979	Tnm3(+109671), Dctd(+442596)	N/A
Chr8	48553986	48554195	Chr8.36984	Tnm3(+120599), Dctd(+444133)	N/A
Chr8	48554852	48555012	Chr8.36986	Tnm3(+119758), Dctd(+444974)	N/A
Chr8	48559909	48560017	Chr8.37007	Tnm3(+114727), Dctd(+450005)	N/A
Chr8	48568010	48568128	Chr8.37014	Tnm3(+106621), Dctd(+458111)	N/A
Chr8	48572960	48573319	Chr8.37021	Tnm3(+101550), Dctd(+463162)	N/A
Chr8	48573351	48573468	Chr8.37026	Tnm3(+101280), Dctd(+463452)	N/A
Chr8	48575245	48575371	Chr8.37031	Tnm3(+99382), Dctd(+465350)	N/A
Chr8	48579154	48579342	Chr8.37049	Tnm3(+95442), Dctd(+469290)	N/A
Chr8	48597818	48598088	Chr8.37091	Tnm3(+76737), Dctd(+487995)	N/A
Chr8	48599553	48599798	Chr8.37100	Tnm3(+74694), Dctd(+489769)	N/A
Chr8	48609093	48609269	Chr8.37103	Tnm3(+74544), Dctd(+490168)	N/A
Chr8	48611114	48611528	Chr8.37138	Tnm3(+63369), Dctd(+501363)	N/A
Chr8	48615106	48615253	Chr8.37154	Tnm3(+59510), Dctd(+505222)	N/A
Chr8	48615286	48615422	Chr8.37158	Tnm3(+59336), Dctd(+505396)	N/A
Chr8	48671463	48671660	Chr8.37253	Tnm3(+3128), Dctd(+561804)	N/A
Chr8	48672821	48672742	Chr8.37255	Tnm3(+2008), Dctd(+562724)	N/A
Chr8	7575744	7575907	Chr8.3726	None	N/A
Chr8	48690895	48691119	Chr8.37290	493055503rik(-679906), Tnm3(-16317)	N/A
Chr8	48726068	48726210	Chr8.37361	493055503rik(-644774), Tnm3(-51449)	N/A
Chr8	48729116	48729255	Chr8.37378	493055503rik(-641727), Tnm3(-54496)	N/A
Chr8	48763392	48763494	Chr8.37454	493055503rik(-607470), Tnm3(-88753)	N/A
Chr8	48768906	48769733	Chr8.37469	493055503rik(-604243), Tnm3(-91980)	N/A
Chr8	48775374	48775477	Chr8.37492	493055503rik(-595487), Tnm3(-100736)	N/A
Chr8	48775510	48775728	Chr8.37494	493055503rik(-595294), Tnm3(-100929)	N/A
Chr8	48781553	48782002	Chr8.37504	493055503rik(-589135), Tnm3(-107088)	N/A
Chr8	48793880	48794255	Chr8.37538	493055503rik(-576845), Tnm3(-119378)	N/A
Chr8	48794635	48794915	Chr8.37545	493055503rik(-576138), Tnm3(-120859)	N/A
Chr8	48802332	48802502	Chr8.37562	493055503rik(-568496), Tnm3(-127727)	N/A
Chr8	48802561	48802687	Chr8.37563	493055503rik(-568289), Tnm3(-127934)	N/A
Chr8	48802735	48802979	Chr8.37564	493055503rik(-568056), Tnm3(-128167)	N/A
Chr8	48840753	48840909	Chr8.37660	493055503rik(-530082), Tnm3(-166141)	N/A
Chr8	48850801	48850965	Chr8.37700	493055503rik(-520030), Tnm3(-176193)	N/A
Chr8	48893655	48893651	Chr8.37797	493055503rik(-474455), Tnm3(-221789)	N/A
Chr8	48921253	48921374	Chr8.37851	493055503rik(-445599), Tnm3(-246624)	N/A
Chr8	48943706	48943884	Chr8.37906	493055503rik(-427118), Tnm3(-269105)	N/A
Chr8	49106760	49106949	Chr8.38219	Tnm3(-432165), 493055503rik(-264058)	N/A
Chr8	49107103	49107310	Chr8.38221	Tnm3(-432517), 493055503rik(-263706)	N/A
Chr8	7732872	7732865	Chr8.3830	Enb2(+42784)	N/A
Chr8	49194989	49195240	Chr8.38359	Tnm3(-520425), 493055503rik(-175798)	N/A

Chr8	49195402	49195615	Chr8.38362	Tenn3(-520819),493055503nik(-175404)	N/A
Chr8	49236651	49236833	Chr8.38463	Tenn3(-562052),493055503nik(-134171)	N/A
Chr8	49254506	49254734	Chr8.38498	Tenn3(-579930),493055503nik(-116293)	N/A
Chr8	49263501	49263765	Chr8.38524	Tenn3(-589943),493055503nik(-107280)	N/A
Chr8	49313668	49313839	Chr8.38623	Tenn3(-639064),493055503nik(-57159)	N/A
Chr8	49387693	49387808	Chr8.38770	493055503nik(+16838)	N/A
Chr8	49461987	49462349	Chr8.38907	493055503nik(+91255)	N/A
Chr8	49556134	49556422	Chr8.39074	493055503nik(+185365)	N/A
Chr8	7858162	7858269	Chr8.3923	Efnb2(-602557)	N/A
Chr8	49699190	49699431	Chr8.39305	493055503nik(+328398)	N/A
Chr8	49845841	49845969	Chr8.39579	493055503nik(+474992)	N/A
Chr8	49901911	49902045	Chr8.39655	493055503nik(+531065)	N/A
Chr8	50150304	50150482	Chr8.39886	493055503nik(+779480)	N/A
Chr8	50160494	50160601	Chr8.39902	493055503nik(+789635)	N/A
Chr8	50160634	50160849	Chr8.39903	493055503nik(+789629)	N/A
Chr8	7976000	7976104	Chr8.4039	Efnb2(-684721)	N/A
Chr8	7976161	7976148	Chr8.4043	Efnb2(+684483)	N/A
Chr8	51949357	51949493	Chr8.41072	None	N/A
Chr8	8051532	8051688	Chr8.4127	Efnb2(+609163)	N/A
Chr8	8103761	8103900	Chr8.4172	Efnb2(-556942)	N/A
Chr8	8110165	8110283	Chr8.4182	Efnb2(-550549)	N/A
Chr8	8111886	8112125	Chr8.4189	Efnb2(+548767)	N/A
Chr8	54442619	54442810	Chr8.42537	Spca3(+87283),Vegfc(+365183)	N/A
Chr8	54486834	54486979	Chr8.42581	Spca3(+43091),Vegfc(+409375)	N/A
Chr8	54780539	54780792	Chr8.42835	Gpm9a(-174012),Wdr17(-62037)	N/A
Chr8	54954716	54955408	Chr8.43206	Gpm9a(-334)	N/A
Chr8	8231416	8231515	Chr8.4301	Efnb2(+429307)	N/A
Chr8	8231804	8232025	Chr8.4308	Efnb2(+428858)	N/A
Chr8	8241014	8241417	Chr8.4316	Efnb2(+419557)	N/A
Chr8	56317046	56317156	Chr8.43214	Hpgd(+22560),Cep44(+233755)	N/A
Chr8	56344013	56344203	Chr8.43242	Hpgd(+49557),Cep44(+206748)	N/A
Chr8	56551263	56551380	Chr8.43322	Cep44(-465),Fbox8(+232)	N/A
Chr8	56622817	56622950	Chr8.43405	Hand2(-698098),Fbox8(+71794)	N/A
Chr8	8256751	8256947	Chr8.4341	Efnb2(+403924)	N/A
Chr8	56629274	56629430	Chr8.43411	Hand2(-691631),Fbox8(+78262)	N/A
Chr8	56636317	56636448	Chr8.43435	Hand2(-684600),Fbox8(+85293)	N/A
Chr8	56639199	56639568	Chr8.43441	Hand2(-691599),Fbox8(+86294)	N/A
Chr8	56651663	56651796	Chr8.43446	Hand2(-686253),Fbox8(+100640)	N/A
Chr8	8258648	8258818	Chr8.4350	Efnb2(+402040)	N/A
Chr8	56706851	56707277	Chr8.43514	Hand2(-613919),Fbox8(+155974)	N/A
Chr8	56883481	56883727	Chr8.43655	Hand2(-437379),Fbox8(+332514)	N/A
Chr8	56929517	56929712	Chr8.43731	Hand2(-391368),Fbox8(+378525)	N/A
Chr8	8308471	8308602	Chr8.4413	Efnb2(+352236)	N/A
Chr8	57310314	57310496	Chr8.44152	Hand2(-10578),Fbox8(+798315)	N/A
Chr8	57312677	57312863	Chr8.44171	Hand2(-8213),Fbox8(+761680)	N/A
Chr8	57314728	57315070	Chr8.44176	Hand2(-6084),Fbox8(+763809)	N/A
Chr8	57315167	57315460	Chr8.44181	Hand2(-5669),Fbox8(+764224)	N/A
Chr8	57315572	57315747	Chr8.44186	Hand2(-5323),Fbox8(+764570)	N/A
Chr8	57317563	57317681	Chr8.44189	Hand2(-3361)	N/A
Chr8	57319069	57319194	Chr8.44192	Hand2(-1851)	N/A
Chr8	57319926	57320200	Chr8.44197	Hand2(-920)	N/A
Chr8	57320732	57321024	Chr8.44203	Hand2(-105)	N/A
Chr8	57324210	57324363	Chr8.44220	Scrg1(-131636),Hand2(+2304)	N/A
Chr8	57325733	57325896	Chr8.44224	Scrg1(-130108),Hand2(+4632)	N/A
Chr8	57326721	57326961	Chr8.44228	Scrg1(-129082),Hand2(+5858)	N/A
Chr8	57328522	57328648	Chr8.44232	Scrg1(-127338),Hand2(+7602)	N/A
Chr8	57328693	57328810	Chr8.44233	Scrg1(-127171),Hand2(+7769)	N/A
Chr8	57331552	57331688	Chr8.44237	Scrg1(-124303),Hand2(+10637)	N/A
Chr8	57331819	57332044	Chr8.44238	Scrg1(-123891),Hand2(+10949)	N/A
Chr8	57340458	57340642	Chr8.44257	Scrg1(-115373),Hand2(+19567)	N/A
Chr8	57347264	57347398	Chr8.44261	Scrg1(-108592),Hand2(+26348)	N/A
Chr8	8324272	8324485	Chr8.4427	Efnb2(+336394)	N/A
Chr8	57349282	57349422	Chr8.44272	Scrg1(-106571),Hand2(+28369)	N/A
Chr8	57353953	57354082	Chr8.44277	Scrg1(-107191),Hand2(+33025)	N/A
Chr8	57358474	57358599	Chr8.44298	Scrg1(-97386),Hand2(+37554)	N/A
Chr8	8324667	8324771	Chr8.4435	Efnb2(+336054)	N/A
Chr8	57436117	57436289	Chr8.44373	Scrg1(-19720),Hand2(+115220)	N/A
Chr8	57455969	57456139	Chr8.44389	Scrg1(+131)	N/A
Chr8	8325511	8325651	Chr8.4441	Efnb2(-335192)	N/A
Chr8	57511769	57511952	Chr8.44439	Hmgb2(-18)	N/A
Chr8	8325728	8325900	Chr8.4444	Efnb2(+334959)	N/A
Chr8	57540483	57540631	Chr8.44490	Hmgb2(+28714),Galnt7(+112474)	N/A
Chr8	8326106	8326260	Chr8.4450	Efnb2(+334590)	N/A
Chr8	57562920	57563107	Chr8.44509	Hmgb2(+51171),Galnt7(+90017)	N/A
Chr8	57563772	57563967	Chr8.44511	Hmgb2(-52027),Galnt7(+89161)	N/A
Chr8	8326440	8326568	Chr8.4452	Efnb2(+334269)	N/A
Chr8	57653642	57653791	Chr8.44591	Galnt7(-686)	N/A
Chr8	57772982	57773098	Chr8.44697	Galnt7(-120009),Galnt6(+189524)	N/A
Chr8	57815528	57815714	Chr8.44749	Galnt7(-162590),Galnt6(+146943)	N/A
Chr8	8344361	8344496	Chr8.4480	Efnb2(+316344)	N/A
Chr8	57946409	57946541	Chr8.44865	Galnt7(-307444),Galnt6(+2089)	N/A
Chr8	57973433	57973724	Chr8.44905	Galnt6(-11015),Galnt5(+538548)	N/A
Chr8	58291602	58291787	Chr8.45151	Galnt6(-329131),Galnt6(+619932)	N/A
Chr8	59906585	59906717	Chr8.45785	Gm10283(+596547),Bc030500(+994896)	N/A
Chr8	8420688	8420797	Chr8.4580	Efnb2(+240030)	N/A
Chr8	8421732	8421919	Chr8.4593	Efnb2(-238947)	N/A
Chr8	60314161	60314329	Chr8.45964	Gm10283(-189953)	N/A
Chr8	60392021	60392156	Chr8.46022	Gm10283(+111109)	N/A
Chr8	60912354	60912520	Chr8.46314	Hpf1(+21986),Cln3(+78002)	N/A
Chr8	60954494	60954623	Chr8.46382	Cln3(+28680),Hpf1(+64108)	N/A
Chr8	60954705	60954947	Chr8.46386	Cln3(+28413),Hpf1(+64375)	N/A
Chr8	61217605	61217813	Chr8.46543	Sh3rf1(-6462),Nek1(+224514)	N/A
Chr8	61247656	61247855	Chr8.46587	Cbr4(-239978),Sh3rf1(+23585)	N/A
Chr8	61247915	61248084	Chr8.46592	Cbr4(-239734),Sh3rf1(+23829)	N/A
Chr8	61251748	61251883	Chr8.46609	Cbr4(-235918),Sh3rf1(+27645)	N/A
Chr8	61254629	61254778	Chr8.46615	Cbr4(-233030),Sh3rf1(+30533)	N/A
Chr8	61270230	61270331	Chr8.46628	Cbr4(-217453),Sh3rf1(+46110)	N/A
Chr8	61273465	61273628	Chr8.46632	Cbr4(-214187),Sh3rf1(+49376)	N/A
Chr8	61283285	61283427	Chr8.46648	Cbr4(-204378),Sh3rf1(+59185)	N/A
Chr8	61285971	61286102	Chr8.46653	Cbr4(-201697),Sh3rf1(+61866)	N/A
Chr8	61286144	61286311	Chr8.46655	Cbr4(-201506),Sh3rf1(+62057)	N/A
Chr8	61289065	61289176	Chr8.46659	Cbr4(-198613),Sh3rf1(+64950)	N/A
Chr8	61299109	61299231	Chr8.46662	Cbr4(-188564),Sh3rf1(+74999)	N/A
Chr8	61301416	61301746	Chr8.46666	Cbr4(-186153),Sh3rf1(+77410)	N/A
Chr8	61309605	61309809	Chr8.46678	Cbr4(-178027),Sh3rf1(+85536)	N/A
Chr8	61310240	61310436	Chr8.46683	Cbr4(-177396),Sh3rf1(+86167)	N/A
Chr8	61323820	61324141	Chr8.46689	Cbr4(-163753),Sh3rf1(+99810)	N/A
Chr8	61324473	61324617	Chr8.46696	Cbr4(-163189),Sh3rf1(+100374)	N/A
Chr8	61324749	61325001	Chr8.46701	Cbr4(-162859),Sh3rf1(+100704)	N/A
Chr8	61325399	61325746	Chr8.46708	Cbr4(-162161),Sh3rf1(+101402)	N/A
Chr8	61355982	61356082	Chr8.46772	Cbr4(-131702),Sh3rf1(+131861)	N/A
Chr8	61387889	61388071	Chr8.46842	Cbr4(-90754),Sh3rf1(+163809)	N/A
Chr8	61403729	61403833	Chr8.46881	Cbr4(-83953),Sh3rf1(+179610)	N/A
Chr8	61404576	61404794	Chr8.46882	Cbr4(-83049),Sh3rf1(+180514)	N/A
Chr8	61421562	61421682	Chr8.46901	Cbr4(-66122),Sh3rf1(+197441)	N/A
Chr8	61448503	61448630	Chr8.46941	Cbr4(-39167),Sh3rf1(+224396)	N/A
Chr8	61526962	61527099	Chr8.47049	Cbr4(+39297),Pallid(+375659)	N/A
Chr8	61537576	61537697	Chr8.47085	Cbr4(+49903),Pallid(+365053)	N/A
Chr8	61555641	61555803	Chr8.47099	Cbr4(+67988),Pallid(+346968)	N/A
Chr8	61569880	61570011	Chr8.47120	Cbr4(+82212),Pallid(+332744)	N/A
Chr8	61574949	61574748	Chr8.47123	Cbr4(+86965),Pallid(+327991)	N/A
Chr8	61579923	61580062	Chr8.47127	Cbr4(+92259),Pallid(+322697)	N/A
Chr8	61606832	61606936	Chr8.47146	Cbr4(+119150),Pallid(+295806)	N/A
Chr8	61607032	61607150	Chr8.47148	Cbr4(+119357),Pallid(+295599)	N/A
Chr8	61607831	61607900	Chr8.47151	Cbr4(+120032),Pallid(+294924)	N/A
Chr8	61629318	61629494	Chr8.47164	Cbr4(+141672),Pallid(+273294)	N/A
Chr8	61638964	61638984	Chr8.47173	Cbr4(+151181),Pallid(+263775)	N/A
Chr8	61646339	61646614	Chr8.47187	Cbr4(+158743),Pallid(+256213)	N/A
Chr8	61649120	61649300	Chr8.47190	Cbr4(+161476),Pallid(+253480)	N/A
Chr8	61698020	61698232	Chr8.47246	Pallid(+204564),Cbr4(+210392)	N/A
Chr8	61698530	61698656	Chr8.47248	Pallid(+82212),Pallid(+332744)	N/A
Chr8	61701960	61702128	Chr8.47255	Pallid(+200460),Cbr4(+214310)	N/A
Chr8	61709246	61709367	Chr8.47268	Pallid(+193348),Cbr4(+221573)	N/A
Chr8	61736882	61737012	Chr8.47309	Pallid(+165743),Cbr4(+249213)	N/A
Chr8	61745808	61746021	Chr8.47318	Pallid(+156775),Cbr4(+258181)	N/A
Chr8	61756948	61757084	Chr8.47338	Pallid(+145724),Cbr4(+269232)	N/A
Chr8	61757269	61757490	Chr8.47340	Pallid(+145300),Cbr4(+269656)	N/A
Chr8	61765568	61765669	Chr8.47362	Pallid(+142071),Cbr4(+227885)	N/A

Chr8	61768984	61769134	Chr8.47371	<i>Palld(+13631), Cbr4(+281325)</i>	N/A
Chr8	61769474	61769591	Chr8.47378	<i>Palld(+133157), Cbr4(+281799)</i>	N/A
Chr8	61776009	61776157	Chr8.47389	<i>Palld(+126607), Cbr4(+288349)</i>	N/A
Chr8	61823438	61823438	Chr8.47431	<i>Palld(+79402), Cbr4(+335554)</i>	N/A
Chr8	61823468	61823674	Chr8.47433	<i>Palld(+79119), Cbr4(+335837)</i>	N/A
Chr8	61827017	61827193	Chr8.47451	<i>Palld(+75585), Cbr4(+339371)</i>	N/A
Chr8	61848780	61848941	Chr8.47467	<i>Palld(+53829), Cbr4(+361127)</i>	N/A
Chr8	61882338	61882476	Chr8.47522	<i>Palld(+20283), Cbr4(+394673)</i>	N/A
Chr8	62284748	62284918	Chr8.47790	<i>Spock3(-685358), Anxa10(-161721)</i>	N/A
Chr8	62952383	62952511	Chr8.47835	<i>Spock3(+1086), Spock2(+999729)</i>	N/A
Chr8	64152254	64152474	Chr8.48325	<i>Sgo2b(-200194), Tbl1(+53629)</i>	N/A
Chr8	64206037	64206180	Chr8.48386	<i>Tbl1(-116)</i>	N/A
Chr8	64206566	64206681	Chr8.48390	<i>Tbl1(-631)</i>	N/A
Chr8	64206740	64206933	Chr8.48394	<i>Tbl1(-844)</i>	N/A
Chr8	64308117	64308321	Chr8.48454	<i>Tbl1(-102288), Cpe(+384821)</i>	N/A
Chr8	64318551	64318701	Chr8.48466	<i>Tbl1(-112633), Cpe(+374414)</i>	N/A
Chr8	64444365	64444508	Chr8.48612	<i>Tbl1(-238444), Cpe(+248603)</i>	N/A
Chr8	64444731	64444879	Chr8.48614	<i>Tbl1(-238812), Cpe(+248235)</i>	N/A
Chr8	64655291	64655402	Chr8.48720	<i>Tbl1(-449354), Cpe(+37693)</i>	N/A
Chr8	64659267	64659348	Chr8.48726	<i>Tbl1(-453330), Cpe(+337177)</i>	N/A
Chr8	8613553	8613765	Chr8.4874	<i>Efnb2(+47114)</i>	N/A
Chr8	64831850	64831958	Chr8.48867	<i>Mamo1(-98112), Kih2(+17914)</i>	N/A
Chr8	64843252	64843399	Chr8.48875	<i>Mamo1(-109534), Kih2(+6492)</i>	N/A
Chr8	8619730	8619834	Chr8.4901	<i>Efnb2(+40991)</i>	N/A
Chr8	65037079	65037182	Chr8.49030	<i>Gm10683(-37902), Trim61(-18443)</i>	N/A
Chr8	65037462	65037587	Chr8.49034	<i>Gm10683(-37538), Trim61(-18807)</i>	N/A
Chr8	65054633	65054870	Chr8.49049	<i>Trim61(-36064), Gm10683(-20281)</i>	N/A
Chr8	8620315	8620415	Chr8.4906	<i>Efnb2(+40408)</i>	N/A
Chr8	65965521	65966956	Chr8.49360	<i>March1(+348653), Tma16(+519780)</i>	N/A
Chr8	8640147	8640422	Chr8.4972	<i>Efnb2(+20488)</i>	N/A
Chr8	8647448	8647695	Chr8.4981	<i>Efnb2(+13201)</i>	N/A
Chr8	8648181	8648316	Chr8.4990	<i>Efnb2(+12524)</i>	N/A
Chr8	8648884	8649004	Chr8.4992	<i>Efnb2(+11829)</i>	N/A
Chr8	8650076	8650340	Chr8.4994	<i>Efnb2(+10565)</i>	N/A
Chr8	8653950	8654306	Chr8.5001	<i>Efnb2(+6645)</i>	N/A
Chr8	8655210	8655507	Chr8.5007	<i>Efnb2(+5414)</i>	N/A
Chr8	8655585	8656271	Chr8.5010	<i>Efnb2(+4845)</i>	N/A
Chr8	67692133	67692257	Chr8.50101	<i>Nat3(+168341), Pad3(+218737)</i>	N/A
Chr8	8656339	8656550	Chr8.5013	<i>Efnb2(+4328)</i>	N/A
Chr8	67735344	67735522	Chr8.50172	<i>Pad3(+175499), Nat3(+211579)</i>	N/A
Chr8	8657014	8657180	Chr8.5020	<i>4921522p10rk(-4704), Efnb2(+3676)</i>	N/A
Chr8	67817942	67818106	Chr8.50201	<i>Pad3(+92908), Nat3(+294170)</i>	N/A
Chr8	67818456	67818582	Chr8.50205	<i>Pad3(+92413), Nat3(+294065)</i>	N/A
Chr8	8657210	8657658	Chr8.5024	<i>4921522p10rk(-4367), Efnb2(+3339)</i>	N/A
Chr8	67937163	67937307	Chr8.50279	<i>Sh2d4a(-339332), Pad3(-26303)</i>	N/A
Chr8	67957033	67957275	Chr8.50302	<i>Sh2d4a(-319413), Pad3(-46222)</i>	N/A
Chr8	67974116	67974358	Chr8.50347	<i>Sh2d4a(-302331), Pad3(-63304)</i>	N/A
Chr8	67974425	67974673	Chr8.50348	<i>Sh2d4a(-302018), Pad3(-63617)</i>	N/A
Chr8	8661229	8661355	Chr8.5037	<i>Efnb2(-519), 4921522p10rk(-509)</i>	N/A
Chr8	68082498	68082701	Chr8.50404	<i>Sh2d4a(-193967), Pad3(-171668)</i>	N/A
Chr8	68727534	68727636	Chr8.50784	<i>Csgalnact1(+7561), Sh2d4a(+451018)</i>	N/A
Chr8	68727675	68727780	Chr8.50786	<i>Csgalnact1(+7418), Sh2d4a(+451161)</i>	N/A
Chr8	6752473	6752650	Chr8.5089	<i>Argl1(-62025)</i>	N/A
Chr8	69880385	69880498	Chr8.50890	<i>Lpl(-54)</i>	N/A
Chr8	69089899	69090004	Chr8.51051	<i>Sic18a1(-725)</i>	N/A
Chr8	69112656	69112803	Chr8.51102	<i>Sic18a1(-23508), Ltts1(+28223)</i>	N/A
Chr8	69113511	69113706	Chr8.51110	<i>Sic18a1(-24387), Ltts1(+27344)</i>	N/A
Chr8	69121604	69121735	Chr8.51113	<i>Sic18a1(-32448), Ltts1(+19283)</i>	N/A
Chr8	69149325	69149446	Chr8.51176	<i>Zfp930(-76956), Ltts1(-8434)</i>	N/A
Chr8	69177923	69178097	Chr8.51202	<i>Zfp930(-48333), Ltts1(-37057)</i>	N/A
Chr8	69193265	69193429	Chr8.51215	<i>Ltts1(-52394), Zfp930(-32996)</i>	N/A
Chr8	8772420	8772657	Chr8.5127	<i>Argl1(-82002), Fam155a(+998479)</i>	N/A
Chr8	69809299	69809431	Chr8.51360	<i>Gmp(+686)</i>	N/A
Chr8	69874823	69874948	Chr8.51533	<i>Clp2(+12801), Pbx4(+42209)</i>	N/A
Chr8	69876979	69877103	Chr8.51535	<i>Clp2(+10646), Pbx4(+44364)</i>	N/A
Chr8	8795213	8795318	Chr8.5157	<i>Argl1(-104729), Fam155a(+975752)</i>	N/A
Chr8	8797083	8797563	Chr8.5161	<i>Argl1(-106786), Fam155a(+973695)</i>	N/A
Chr8	8801724	8801959	Chr8.5165	<i>Argl1(-111305), Fam155a(+969176)</i>	N/A
Chr8	69920422	69920612	Chr8.51828	<i>Ndufa13(-17959), Gatad2a(+75862)</i>	N/A
Chr8	69930514	69930676	Chr8.51837	<i>Ndufa13(-34037), Gatad2a(+59784)</i>	N/A
Chr8	69952570	69952844	Chr8.51868	<i>Ndufa13(-90149), Gatad2a(+3872)</i>	N/A
Chr8	69992971	69993142	Chr8.51872	<i>Ndufa13(-90499), Gatad2a(+3322)</i>	N/A
Chr8	69996195	69996469	Chr8.51875	<i>Gatad2a(+47)</i>	N/A
Chr8	69996554	69996740	Chr8.51882	<i>Gatad2a(-268)</i>	N/A
Chr8	70001265	70001405	Chr8.51887	<i>Gatad2a(-4956)</i>	N/A
Chr8	3515374	3515475	Chr8.519	<i>Phf6b(+41)</i>	N/A
Chr8	70145017	70145138	Chr8.52278	<i>Mez2b(-7700), Rfxnk(-5881)</i>	N/A
Chr8	8829421	8829565	Chr8.5233	<i>Argl1(-138958), Fam155a(+941525)</i>	N/A
Chr8	8830643	8830831	Chr8.5246	<i>Argl1(-140200), Fam155a(+940281)</i>	N/A
Chr8	70318188	70318355	Chr8.52680	<i>Cers1(+2485), Upf1(+35001)</i>	N/A
Chr8	70332378	70332482	Chr8.52703	<i>Cers1(-16643), Upf1(+20843)</i>	N/A
Chr8	70343115	70343242	Chr8.52811	<i>Upf1(+10094), Cers1(+27392)</i>	N/A
Chr8	70453948	70454052	Chr8.53063	<i>Crtc1(-14421), Kih2b(+22943)</i>	N/A
Chr8	70494241	70494361	Chr8.53101	<i>Ctff(+1143), Rex1bd(+12451)</i>	N/A
Chr8	70494841	70494970	Chr8.53104	<i>Ctff(+1748), Rex1bd(+11846)</i>	N/A
Chr8	70495040	70495142	Chr8.53106	<i>Ctff(+1933), Rex1bd(+11661)</i>	N/A
Chr8	70502214	70502337	Chr8.53148	<i>Rex1bd(+4476), Ctff(+9118)</i>	N/A
Chr8	70562631	70562816	Chr8.53312	<i>Isgn1(-1757)</i>	N/A
Chr8	8919288	8919716	Chr8.5334	<i>Argl1(-228965), Fam155a(+851516)</i>	N/A
Chr8	70655686	70655792	Chr8.53444	<i>Gdf15(-23644), Pgep(+3999)</i>	N/A
Chr8	70656397	70656596	Chr8.53446	<i>Gdf15(-24402), Pgep(+3241)</i>	N/A
Chr8	70682330	70682450	Chr8.53459	<i>Jund(-15349), Lsm4(+9142)</i>	N/A
Chr8	70743117	70743250	Chr8.53503	<i>Rab3a(-12326), Pde4c(+19126)</i>	N/A
Chr8	70768416	70768542	Chr8.53650	<i>It30(-1816)</i>	N/A
Chr8	8947469	8947633	Chr8.5373	<i>Argl1(-257014), Fam155a(+823467)</i>	N/A
Chr8	8947731	8947909	Chr8.5379	<i>Argl1(-257283), Fam155a(+823198)</i>	N/A
Chr8	8948012	8948118	Chr8.5385	<i>Argl1(-257528), Fam155a(+822953)</i>	N/A
Chr8	70803873	70803979	Chr8.53912	<i>It2b1(-4523)</i>	N/A
Chr8	8959167	8959291	Chr8.5402	<i>Argl1(-268692), Fam155a(+811789)</i>	N/A
Chr8	8966034	8966207	Chr8.5410	<i>Argl1(-275584), Fam155a(+804897)</i>	N/A
Chr8	8986312	8986463	Chr8.5428	<i>Argl1(-295851), Fam155a(+784630)</i>	N/A
Chr8	8994101	8994234	Chr8.5441	<i>Argl1(-303631), Fam155a(+776850)</i>	N/A
Chr8	8994368	8994680	Chr8.5446	<i>Argl1(-303987), Fam155a(+776494)</i>	N/A
Chr8	8994778	8994918	Chr8.5453	<i>Argl1(-304311), Fam155a(+776170)</i>	N/A
Chr8	71463459	71463566	Chr8.54608	<i>Mtp34(-1413), Abhd8(+144)</i>	N/A
Chr8	71495381	71495490	Chr8.54806	<i>Glpbp3(+7333), Plvap(+16333)</i>	N/A
Chr8	71513200	71513364	Chr8.54827	<i>Plvap(-1513)</i>	N/A
Chr8	71626772	71626903	Chr8.55132	<i>Colga11(+15814), Uinc13a(+44919)</i>	N/A
Chr8	9055112	9055273	Chr8.5532	<i>Argl1(-364656), Fam155a(+715825)</i>	N/A
Chr8	72130175	72130266	Chr8.55610	<i>Tpm4(-5023), Olf374(+23196)</i>	N/A
Chr8	72134918	72135055	Chr8.55613	<i>Tpm4(-272)</i>	N/A
Chr8	72136721	72136902	Chr8.55625	<i>Rab8a(-24388), Tpm4(+1553)</i>	N/A
Chr8	9071010	9071247	Chr8.5563	<i>Argl1(-380592), Fam155a(+699889)</i>	N/A
Chr8	72288620	72288829	Chr8.55779	<i>Gm10282(+17001), Ap1m1(+48257)</i>	N/A
Chr8	72295983	72295987	Chr8.55781	<i>Gm10282(+9476), Ap1m1(+55782)</i>	N/A
Chr8	72321085	72321218	Chr8.55797	<i>Klf2(+2119), Eps15(+100322)</i>	N/A
Chr8	72354330	72354446	Chr8.55826	<i>Klf2(+35355), Eps15(+67086)</i>	N/A
Chr8	72545241	72545346	Chr8.56172	<i>Sic35e1(-52680), Med26(+3016)</i>	N/A
Chr8	72549289	72549402	Chr8.56184	<i>Med26(-1036)</i>	N/A
Chr8	9159894	9160017	Chr8.5650	<i>Argl1(-468419), Fam155a(+611062)</i>	N/A
Chr8	72919547	72919778	Chr8.56612	<i>Zfx3(-157783), Large1(+433877)</i>	N/A
Chr8	74993635	74993765	Chr8.57322	<i>Hmgxb4(+344)</i>	N/A
Chr8	75315420	75315600	Chr8.57625	<i>Iqcm(-133184), Rasd2(+101566)</i>	N/A
Chr8	75315643	75315797	Chr8.57628	<i>Iqcm(-132974), Rasd2(+101776)</i>	N/A
Chr8	78620885	78621101	Chr8.58617	<i>N3c2(-278779)</i>	N/A
Chr8	76900471	76900580	Chr8.58779	<i>N3c2(+154)</i>	N/A
Chr8	76901145	76901266	Chr8.58782	<i>N3c2(+1434), Arhgap10(+616701)</i>	N/A
Chr8	76901515	76901675	Chr8.58784	<i>N3c2(+1823), Arhgap10(+616312)</i>	N/A
Chr8	76901995	76902214	Chr8.58790	<i>N3c2(+2333), Arhgap10(+615802)</i>	N/A
Chr8	76902286	76902570	Chr8.58794	<i>N3c2(+2656), Arhgap10(+615479)</i>	N/A
Chr8	76973077	76973308	Chr8.58905	<i>N3c2(+173421), Arhgap10(+544714)</i>	N/A
Chr8	76973648	76973750	Chr8.58909	<i>N3c2(+173927), Arhgap10(+544209)</i>	N/A
Chr8	77132848	77133011	Chr8.59027	<i>N3c2(+233158), Arhgap10(+384977)</i>	N/A
Chr8	77133068	77133237	Chr8.59028	<i>N3c2(+233381), Arhgap10(+384754)</i>	N/A
Chr8	77187932	77188204	Chr8.59071	<i>N3c2(+288296), Arhgap10(+329839)</i>	N/A
Chr8	77214851	77215021	Chr8.59100	<i>Arhgap10(+302971), N3c2(+315164)</i>	N/A
Chr8	77244601	77244618	Chr8.59135	<i>Arhgap10(+172397), N3c2(+344739)</i>	N/A
Chr8	77330813	77330982	Chr8.59244	<i>Arhgap10(+187009), N3c2(+431126)</i>	N/A

Chr8	77350242	77350436	Chr8.59261	<i>Arhgap10(+167568),Nr3c2(+450567)</i>	N/A
Chr8	77364355	77364493	Chr8.59268	<i>Arhgap10(+153483),Nr3c2(+464652)</i>	N/A
Chr8	77364526	77364830	Chr8.59292	<i>Arhgap10(+153229),Nr3c2(+464906)</i>	N/A
Chr8	77376569	77376667	Chr8.59302	<i>Arhgap10(+141293),Nr3c2(+476842)</i>	N/A
Chr8	77436656	77436789	Chr8.59342	<i>Arhgap10(+81184),Nr3c2(+536951)</i>	N/A
Chr8	77444272	77444371	Chr8.59352	<i>Arhgap10(+73585),Nr3c2(+544550)</i>	N/A
Chr8	77492499	77492638	Chr8.59366	<i>Arhgap10(+25338),Nr3c2(+592797)</i>	N/A
Chr8	77630785	77630965	Chr8.59468	<i>Tnrm184c(-20222),Ednra(+93561)</i>	N/A
Chr8	77710717	77710868	Chr8.59533	<i>Tnrm184c(-100140),Ednra(+13643)</i>	N/A
Chr8	77711838	77712087	Chr8.59538	<i>Tnrm184c(-101310),Ednra(+12473)</i>	N/A
Chr8	77713641	77713749	Chr8.59541	<i>Tnrm184c(-103042),Ednra(+10741)</i>	N/A
Chr8	77727507	77727640	Chr8.59558	<i>Ednra(-3138)</i>	N/A
Chr8	77803327	77803430	Chr8.59592	<i>Ttc29(-409963),Ednra(-78943)</i>	N/A
Chr8	77814874	77815027	Chr8.59597	<i>Ttc29(-398391),Ednra(-90515)</i>	N/A
Chr8	77815431	77815565	Chr8.59598	<i>Ttc29(-397844),Ednra(-91062)</i>	N/A
Chr8	77815637	77815802	Chr8.59602	<i>Ttc29(-307622),Ednra(-91284)</i>	N/A
Chr8	77816416	77816524	Chr8.59610	<i>Ttc29(-396872),Ednra(-92034)</i>	N/A
Chr8	77829196	77829466	Chr8.59614	<i>Ttc29(-384011),Ednra(-104895)</i>	N/A
Chr8	77830040	77830230	Chr8.59622	<i>Ttc29(-383207),Ednra(-105699)</i>	N/A
Chr8	77834799	77835046	Chr8.59626	<i>Ttc29(-37419),Ednra(-110487)</i>	N/A
Chr8	77839332	77839437	Chr8.59633	<i>Ttc29(-373677),Ednra(-114949)</i>	N/A
Chr8	77842256	77842695	Chr8.59637	<i>Ttc29(-370866),Ednra(-118040)</i>	N/A
Chr8	77971612	77971736	Chr8.59727	<i>Ednra(-247238),Ttc29(-241668)</i>	N/A
Chr8	77988601	77988601	Chr8.59750	<i>Ednra(-264098),Ttc29(-224808)</i>	N/A
Chr8	7771414	9771516	Chr8.5976	<i>Fam155a(-447)</i>	N/A
Chr8	78021602	78021747	Chr8.59769	<i>Ednra(-297239),Ttc29(-191667)</i>	N/A
Chr8	78023483	78023712	Chr8.59772	<i>Ednra(-299162),Ttc29(-189744)</i>	N/A
Chr8	9771734	9771895	Chr8.5978	<i>Fam155a(-797)</i>	N/A
Chr8	78063987	78064102	Chr8.59802	<i>Ednra(-339609),Ttc29(-149297)</i>	N/A
Chr8	78064177	78064355	Chr8.59804	<i>Ednra(-339830),Ttc29(-149076)</i>	N/A
Chr8	78068752	78068934	Chr8.59813	<i>Ednra(-344408),Ttc29(-144498)</i>	N/A
Chr8	78068980	78069121	Chr8.59817	<i>Ednra(-344615),Ttc29(-144291)</i>	N/A
Chr8	7809269	78096444	Chr8.59891	<i>Ednra(-375021),Ttc29(-113885)</i>	N/A
Chr8	78119763	78120288	Chr8.59917	<i>Ednra(-395590),Ttc29(-93316)</i>	N/A
Chr8	9813386	9813591	Chr8.5992	<i>Gm10217(-50762),Fam155a(-42471)</i>	N/A
Chr8	78162188	78162405	Chr8.59965	<i>Ednra(-437861),Ttc29(-51045)</i>	N/A
Chr8	78270955	78271493	Chr8.60093	<i>Ttc29(-57882),Pou4f2(+165421)</i>	N/A
Chr8	78271669	78271795	Chr8.60104	<i>Ttc29(-58390),Pou4f2(+164913)</i>	N/A
Chr8	78346019	78346675	Chr8.60223	<i>Pou4f2(+90298),Ttc29(+133005)</i>	N/A
Chr8	78420441	78420773	Chr8.60313	<i>Pou4f2(+16038),Ttc29(+207265)</i>	N/A
Chr8	78507914	78508014	Chr8.60479	<i>Sic10a7(-1371),Rbm11(+964)</i>	N/A
Chr8	78550099	78550366	Chr8.60525	<i>Sic10a7(+40898),Lsm6(+270907)</i>	N/A
Chr8	78556630	78557059	Chr8.60553	<i>Sic10a7(+47510),Lsm6(+264205)</i>	N/A
Chr8	78564015	78564240	Chr8.60568	<i>Sic10a7(+54793),Lsm6(+257012)</i>	N/A
Chr8	78624875	78625220	Chr8.60658	<i>Sic10a7(+115713),Lsm6(+196092)</i>	N/A
Chr8	78630673	78630844	Chr8.60674	<i>Sic10a7(+121424),Lsm6(+190381)</i>	N/A
Chr8	78633111	78633393	Chr8.60686	<i>Sic10a7(+123917),Lsm6(+187888)</i>	N/A
Chr8	78643063	78643200	Chr8.60690	<i>Sic10a7(+133807),Lsm6(+177988)</i>	N/A
Chr8	78692359	78692568	Chr8.60740	<i>Lsm6(+128676),Sic10a7(+183129)</i>	N/A
Chr8	78696738	78697110	Chr8.60750	<i>Lsm6(+124216),Sic10a7(+187589)</i>	N/A
Chr8	78704018	78704196	Chr8.60762	<i>Lsm6(+117033),Sic10a7(+194772)</i>	N/A
Chr8	78715470	78715761	Chr8.60777	<i>Lsm6(+105524),Sic10a7(+206281)</i>	N/A
Chr8	78719893	78720052	Chr8.60782	<i>Lsm6(+101167),Sic10a7(+210638)</i>	N/A
Chr8	78732092	78732217	Chr8.60804	<i>Lsm6(+88965),Sic10a7(+222620)</i>	N/A
Chr8	78733362	78733462	Chr8.60808	<i>Lsm6(+87728),Sic10a7(+224077)</i>	N/A
Chr8	78733848	78734030	Chr8.60814	<i>Lsm6(+87201),Sic10a7(+224604)</i>	N/A
Chr8	78748141	78748258	Chr8.60824	<i>Lsm6(+72940),Sic10a7(+238865)</i>	N/A
Chr8	78750694	78750835	Chr8.60832	<i>Lsm6(+70375),Sic10a7(+241430)</i>	N/A
Chr8	7880647	78806620	Chr8.60861	<i>Lsm6(+14466),Sic10a7(+297399)</i>	N/A
Chr8	9978905	9979916	Chr8.6108	<i>Lgk1(-3638),Abmd13(+2154)</i>	N/A
Chr8	79027409	79027540	Chr8.61092	<i>Zfp827(-962)</i>	N/A
Chr8	79028223	79028433	Chr8.61100	<i>Zfp827(-109)</i>	N/A
Chr8	79028592	79028922	Chr8.61102	<i>Zfp827(+320)</i>	N/A
Chr8	79030087	79030207	Chr8.61105	<i>Zfp827(-1770),170001122nk(+218436)</i>	N/A
Chr8	79030519	79030745	Chr8.61108	<i>Zfp827(-2195),170001122nk(+217951)</i>	N/A
Chr8	79030829	79031302	Chr8.61110	<i>Zfp827(+2629),170001122nk(+217517)</i>	N/A
Chr8	79032338	79032643	Chr8.61118	<i>Zfp827(+4054),170001122nk(+216092)</i>	N/A
Chr8	79046598	79046809	Chr8.61149	<i>Zfp827(+18267),170001122nk(+201879)</i>	N/A
Chr8	79055297	79055447	Chr8.61171	<i>Zfp827(+26935),170001122nk(+193211)</i>	N/A
Chr8	79072350	79072645	Chr8.61244	<i>Zfp827(+44601),170001122nk(+176065)</i>	N/A
Chr8	79079408	79079581	Chr8.61276	<i>Zfp827(-51058),170001122nk(+160980)</i>	N/A
Chr8	79103235	79103340	Chr8.61321	<i>Zfp827(+74851),170001122nk(+145295)</i>	N/A
Chr8	79103880	79104004	Chr8.61325	<i>Zfp827(+75505),170001122nk(+144641)</i>	N/A
Chr8	79104420	79104523	Chr8.61329	<i>Zfp827(+76035),170001122nk(+144111)</i>	N/A
Chr8	79125852	79126180	Chr8.61365	<i>Zfp827(-97579),170001122nk(+122567)</i>	N/A
Chr8	79141133	79141286	Chr8.61392	<i>170001122nk(+107368),Zfp827(-122719)</i>	N/A
Chr8	79141724	79141887	Chr8.61394	<i>170001122nk(+106777),Zfp827(-113369)</i>	N/A
Chr8	79157349	79157470	Chr8.61417	<i>170001122nk(+91173),Zfp827(+128973)</i>	N/A
Chr8	79157963	79158168	Chr8.61421	<i>170001122nk(+90517),Zfp827(+129629)</i>	N/A
Chr8	79174021	79174154	Chr8.61430	<i>170001122nk(+74495),Zfp827(+145651)</i>	N/A
Chr8	79189114	79189289	Chr8.61478	<i>170001122nk(+59381),Zfp827(+160765)</i>	N/A
Chr8	79189663	79190062	Chr8.61480	<i>170001122nk(+58720),Zfp827(+161426)</i>	N/A
Chr8	79191871	79192014	Chr8.61497	<i>170001122nk(+56640),Zfp827(+163500)</i>	N/A
Chr8	79201825	79201969	Chr8.61515	<i>170001122nk(+46686),Zfp827(+173460)</i>	N/A
Chr8	79206978	79207089	Chr8.61518	<i>170001122nk(+41549),Zfp827(+175897)</i>	N/A
Chr8	79207553	79207854	Chr8.61522	<i>170001122nk(+38699),Zfp827(+179267)</i>	N/A
Chr8	10006600	10006714	Chr8.6153	<i>Trsf13b(-186)</i>	N/A
Chr8	79208535	79209081	Chr8.61531	<i>170001122nk(+39625),Zfp827(+180521)</i>	N/A
Chr8	79209821	79209947	Chr8.61536	<i>170001122nk(+38699),Zfp827(+181447)</i>	N/A
Chr8	79222292	79222459	Chr8.61541	<i>170001122nk(+26207),Zfp827(+193939)</i>	N/A
Chr8	79350289	79350680	Chr8.61650	<i>Mmaal(-55529),Smad1(+49033)</i>	N/A
Chr8	79375534	79375664	Chr8.61671	<i>Mmaal(-80643),Smad1(+23919)</i>	N/A
Chr8	79381817	79382291	Chr8.61677	<i>Mmaal(-67039),Smad1(+17464)</i>	N/A
Chr8	79396919	79397238	Chr8.61696	<i>Mmaal(-102123),Smad1(+2439)</i>	N/A
Chr8	79397557	79397796	Chr8.61700	<i>Mmaal(-102722),Smad1(+1840)</i>	N/A
Chr8	79520949	79521049	Chr8.61764	<i>Smad1(-121481),Otud4(-118619)</i>	N/A
Chr8	79522284	79522438	Chr8.61768	<i>Smad1(-122843),Otud4(-117257)</i>	N/A
Chr8	79534305	79534625	Chr8.61770	<i>Smad1(-134947),Otud4(-105153)</i>	N/A
Chr8	79561530	79561961	Chr8.61800	<i>Smad1(-162228),Otud4(-75872)</i>	N/A
Chr8	79562077	79562277	Chr8.61805	<i>Smad1(-162659),Otud4(-77441)</i>	N/A
Chr8	79612399	79612566	Chr8.61818	<i>Smad1(-212965),Otud4(-27135)</i>	N/A
Chr8	79641843	79641993	Chr8.61835	<i>Otud4(+2300),Abce1(+69822)</i>	N/A
Chr8	79642301	79642427	Chr8.61839	<i>Otud4(+2746),Abce1(+69378)</i>	N/A
Chr8	79675428	79675719	Chr8.61905	<i>Otud4(-35956),Abce1(+36166)</i>	N/A
Chr8	79711613	79711722	Chr8.61966	<i>Anapc10(-152),Abce1(+72)</i>	N/A
Chr8	79748920	79749193	Chr8.62003	<i>Anapc10(+37237),Hhip(+308949)</i>	N/A
Chr8	79750454	79750651	Chr8.62008	<i>Anapc10(+38733),Hhip(+307453)</i>	N/A
Chr8	79845089	79845226	Chr8.62052	<i>Anapc10(+133338),Hhip(+212848)</i>	N/A
Chr8	79850125	79850365	Chr8.62059	<i>Anapc10(+138425),Hhip(+207761)</i>	N/A
Chr8	79850880	79850713	Chr8.62061	<i>Anapc10(+138527),Hhip(+207569)</i>	N/A
Chr8	79917514	79917665	Chr8.62123	<i>Hhip(+140416),Anapc10(+205770)</i>	N/A
Chr8	79936330	79936864	Chr8.62161	<i>Hhip(+121259),Anapc10(+224927)</i>	N/A
Chr8	79945649	79945809	Chr8.62189	<i>Hhip(+112277),Anapc10(+233909)</i>	N/A
Chr8	80054209	80054631	Chr8.62395	<i>Hhip(+3636),Anapc10(+342550)</i>	N/A
Chr8	80055292	80055402	Chr8.62400	<i>Hhip(+2659),Anapc10(+343527)</i>	N/A
Chr8	80055700	80056472	Chr8.62403	<i>Hhip(+1620),Anapc10(+344266)</i>	N/A
Chr8	80057567	80057798	Chr8.62413	<i>Hhip(+323)</i>	N/A
Chr8	80057956	80058097	Chr8.62418	<i>Hhip(-21)</i>	N/A
Chr8	80119519	80119740	Chr8.62469	<i>Gypa(-374415),Hhip(-61624)</i>	N/A
Chr8	80146146	80146251	Chr8.62506	<i>Gypa(-347840),Hhip(-88163)</i>	N/A
Chr8	80148932	80149080	Chr8.62514	<i>Gypa(-34539),Hhip(-91000)</i>	N/A
Chr8	80149492	80149653	Chr8.62517	<i>Gypa(-344322),Hhip(-91717)</i>	N/A
Chr8	80190366	80190484	Chr8.62605	<i>Gypa(-303620),Hhip(-132419)</i>	N/A
Chr8	80204434	80204640	Chr8.62633	<i>Gypa(-289508),Hhip(-146531)</i>	N/A
Chr8	10249234	10249468	Chr8.6266	<i>Myo16(-23221),Trsf13b(+242508)</i>	N/A
Chr8	80252062	80252202	Chr8.62685	<i>Gypa(-241913),Hhip(-194126)</i>	N/A
Chr8	10249503	10249631	Chr8.6275	<i>Myo16(-23005),Trsf13b(+242724)</i>	N/A
Chr8	80318465	80318662	Chr8.62793	<i>Hhip(-260658),Gypa(-175381)</i>	N/A
Chr8	80395108	80395207	Chr8.62840	<i>Hhip(-337152),Gypa(-98887)</i>	N/A
Chr8	80432294	80432492	Chr8.62869	<i>Hhip(-374387),Gypa(-61652)</i>	N/A
Chr8	80432652	80432824	Chr8.62873	<i>Hhip(-374732),Gypa(-61307)</i>	N/A
Chr8	10316219	10316318	Chr8.6289	<i>Myo16(+43597),39004023nk(+612188)</i>	N/A
Chr8	80452603	80452744	Chr8.62902	<i>Hhip(-394668),Gypa(-41371)</i>	N/A
Chr8	80465040	80465318	Chr8.62906	<i>Hhip(-407173),Gypa(-28866)</i>	N/A
Chr8	80465898	80466109	Chr8.62908	<i>Hhip(-407998),Gypa(-28041)</i>	N/A
Chr8	80466141	80466362	Chr8.62909	<i>Hhip(-406246),Gypa(-27793)</i>	N/A
Chr8	80466228	80466322	Chr8.62929	<i>Hhip(-425074),Gypa(-10965)</i>	N/A
Chr8	80738454	80738574	Chr8.63160	<i>Smrca5(+963)</i>	N/A

Chr8	80798182	80798478	Chr8.63249	<i>Smarca5</i> (-58833), <i>Gab1</i> (+82149)	N/A
Chr8	80804031	80804455	Chr8.63255	<i>Smarca5</i> (-64746), <i>Gab1</i> (+78236)	N/A
Chr8	80807835	80807941	Chr8.63259	<i>Smarca5</i> (-68391), <i>Gab1</i> (+72591)	N/A
Chr8	80808169	80808484	Chr8.63260	<i>Smarca5</i> (-68830), <i>Gab1</i> (+72152)	N/A
Chr8	80811263	80811379	Chr8.63261	<i>Smarca5</i> (-71824), <i>Gab1</i> (+69158)	N/A
Chr8	80811657	80811826	Chr8.63264	<i>Smarca5</i> (-72245), <i>Gab1</i> (+68737)	N/A
Chr8	80827018	80827143	Chr8.63289	<i>Smarca5</i> (-87584), <i>Gab1</i> (+53398)	N/A
Chr8	80830799	80831011	Chr8.63299	<i>Smarca5</i> (-91408), <i>Gab1</i> (+49574)	N/A
Chr8	80834398	80834644	Chr8.63303	<i>Smarca5</i> (-95024), <i>Gab1</i> (+49958)	N/A
Chr8	80834882	80834840	Chr8.63309	<i>Smarca5</i> (-95264), <i>Gab1</i> (+45718)	N/A
Chr8	80834534	80835618	Chr8.63316	<i>Smarca5</i> (-96029), <i>Gab1</i> (+44953)	N/A
Chr8	80853329	80853449	Chr8.63325	<i>Smarca5</i> (-113892), <i>Gab1</i> (+27090)	N/A
Chr8	80856740	80856916	Chr8.63328	<i>Smarca5</i> (-117331), <i>Gab1</i> (+23651)	N/A
Chr8	80857888	80858090	Chr8.63333	<i>Smarca5</i> (-118492), <i>Gab1</i> (+22490)	N/A
Chr8	80869184	80869311	Chr8.63349	<i>Smarca5</i> (-129751), <i>Gab1</i> (+11231)	N/A
Chr8	80869664	80870195	Chr8.63355	<i>Smarca5</i> (-130583), <i>Gab1</i> (+10399)	N/A
Chr8	80872745	80872875	Chr8.63358	<i>Smarca5</i> (-133313), <i>Gab1</i> (+7669)	N/A
Chr8	80878745	80878864	Chr8.63370	<i>Smarca5</i> (-139308), <i>Gab1</i> (+1674)	N/A
Chr8	80895375	80895593	Chr8.63375	<i>Gab1</i> (-15005), <i>Usp38</i> (+119422)	N/A
Chr8	80913022	80913426	Chr8.63382	<i>Gab1</i> (-32745), <i>Usp38</i> (+101662)	N/A
Chr8	80922770	80922904	Chr8.63392	<i>Gab1</i> (-42453), <i>Usp38</i> (+9174)	N/A
Chr8	80938418	80938619	Chr8.63410	<i>Gab1</i> (-58040), <i>Usp38</i> (+76387)	N/A
Chr8	81358064	81358223	Chr8.63664	<i>Inpp4b</i> (-357056), <i>Usp38</i> (-343238)	N/A
Chr8	81358720	81358945	Chr8.63673	<i>Inpp4b</i> (-356367), <i>Usp38</i> (-343927)	N/A
Chr8	81487453	81487613	Chr8.63753	<i>Usp38</i> (-472627), <i>Inpp4b</i> (-227687)	N/A
Chr8	81767807	81767962	Chr8.63927	<i>Inpp4b</i> (-52685), <i>Il15</i> (+635337)	N/A
Chr8	81768918	81769077	Chr8.63937	<i>Inpp4b</i> (-53798), <i>Il15</i> (+634224)	N/A
Chr8	81777075	81777254	Chr8.63949	<i>Inpp4b</i> (+61965), <i>Il15</i> (+626057)	N/A
Chr8	82027461	82027561	Chr8.64150	<i>Inpp4b</i> (+312311), <i>Il15</i> (+375711)	N/A
Chr8	82027625	82027833	Chr8.64153	<i>Inpp4b</i> (+312529), <i>Il15</i> (+375493)	N/A
Chr8	82531775	82531960	Chr8.64574	<i>Tbc1d9</i> (-233992), <i>Rnf150</i> (+68512)	N/A
Chr8	82943657	82943782	Chr8.64587	<i>Tbc1d9</i> (-222140), <i>Rnf150</i> (+80364)	N/A
Chr8	82970287	82970396	Chr8.64602	<i>Tbc1d9</i> (-195518), <i>Rnf150</i> (+106986)	N/A
Chr8	83013011	83013193	Chr8.64633	<i>Tbc1d9</i> (-152758), <i>Rnf150</i> (+149746)	N/A
Chr8	83165159	83165384	Chr8.64713	<i>Tbc1d9</i> (-588)	N/A
Chr8	83166567	83166679	Chr8.64717	<i>Tbc1d9</i> (+763)	N/A
Chr8	83332201	83332471	Chr8.64956	<i>Elmo2</i> (+90)	N/A
Chr8	83575067	83575186	Chr8.65163	<i>Ndufb7</i> (+8456), <i>Tecr</i> (+19364)	N/A
Chr8	83664974	83665118	Chr8.65244	<i>Ptger1</i> (-1817)	N/A
Chr8	83693948	83694096	Chr8.65379	<i>Pkn1</i> (+38)	N/A
Chr8	83697998	83698131	Chr8.65388	<i>Pkn1</i> (-4005)	N/A
Chr8	83721407	83721510	Chr8.65417	<i>Ddx39</i> (+6187), <i>Adgrg5</i> (+19710)	N/A
Chr8	83902558	83902744	Chr8.65500	<i>Adgrl1</i> (-2546), <i>Gm10644</i> (+52554)	N/A
Chr8	83915850	83915953	Chr8.65508	<i>Adgrl1</i> (+15797), <i>Gm10644</i> (+38033)	N/A
Chr8	83927118	83927227	Chr8.65540	<i>Adgrl1</i> (+27068), <i>Gm10644</i> (+28032)	N/A
Chr8	83940735	83940969	Chr8.65697	<i>Gm10644</i> (+14353), <i>Adgrl1</i> (+40747)	N/A
Chr8	83957229	83957356	Chr8.65719	<i>Gm10644</i> (-2089), <i>Asf1b</i> (+1786)	N/A
Chr8	83964137	83964279	Chr8.65721	<i>Prkaca</i> (-8770), <i>Asf1b</i> (+8701)	N/A
Chr8	83973798	83973982	Chr8.65762	<i>Prkaca</i> (+912)	N/A
Chr8	83974659	83974776	Chr8.65766	<i>Samd1</i> (-22954), <i>Prkaca</i> (+1740)	N/A
Chr8	83977016	83977124	Chr8.65776	<i>Samd1</i> (-20602), <i>Prkaca</i> (+4092)	N/A
Chr8	83978516	83978630	Chr8.65786	<i>Samd1</i> (-19099), <i>Prkaca</i> (+5595)	N/A
Chr8	83980334	83980517	Chr8.65789	<i>Samd1</i> (-17248), <i>Prkaca</i> (+7448)	N/A
Chr8	83989313	83989442	Chr8.65816	<i>Samd1</i> (-1294)	N/A
Chr8	84066624	84066923	Chr8.65945	<i>Gm10643</i> (-1637), <i>Rfx1</i> (-62), <i>C30011m1Brnk</i> (+513)	N/A
Chr8	84084785	84084901	Chr8.65990	<i>C30011m1Brnk</i> (-17556), <i>Dcaf15</i> (+19930)	N/A
Chr8	84104838	84104952	Chr8.66094	<i>Dcaf15</i> (-122)	N/A
Chr8	84197851	84197831	Chr8.66301	<i>Nanos3</i> (-21189), <i>Zswim4</i> (+39301)	N/A
Chr8	84198524	84198649	Chr8.66306	<i>Nanos3</i> (-22035), <i>Zswim4</i> (+39455)	N/A
Chr8	84201640	84201742	Chr8.66311	<i>Nanos3</i> (-25139), <i>Zswim4</i> (+35351)	N/A
Chr8	84202635	84202744	Chr8.66314	<i>Nanos3</i> (-26138), <i>Zswim4</i> (+34352)	N/A
Chr8	84203763	84203879	Chr8.66316	<i>Nanos3</i> (-27269), <i>Zswim4</i> (+33221)	N/A
Chr8	84204117	84204255	Chr8.66317	<i>Nanos3</i> (-27634), <i>Zswim4</i> (+32856)	N/A
Chr8	84232392	84232742	Chr8.66421	<i>Zswim4</i> (-312)	N/A
Chr8	84283427	84283550	Chr8.66504	<i>Cacna1a</i> (-131875), <i>Cdc130</i> (-13109)	N/A
Chr8	84334646	84334603	Chr8.66506	<i>Cacna1a</i> (-78819), <i>Cdc130</i> (-66165)	N/A
Chr8	84357031	84357132	Chr8.66512	<i>Cdc130</i> (-86702), <i>Cacna1a</i> (-58282)	N/A
Chr8	84600371	84600676	Chr8.66675	<i>Irf2</i> (+62328), <i>Cacna1a</i> (+185160)	N/A
Chr8	84600714	84600834	Chr8.66678	<i>Irf2</i> (+62078), <i>Cacna1a</i> (+185410)	N/A
Chr8	84600895	84601057	Chr8.66680	<i>Irf2</i> (+61878), <i>Cacna1a</i> (+185612)	N/A
Chr8	84615560	84615674	Chr8.66709	<i>Irf2</i> (+47233), <i>Cacna1a</i> (+200253)	N/A
Chr8	84661642	84661771	Chr8.66775	<i>Irf2</i> (+1145), <i>Cacna1a</i> (+246343)	N/A
Chr8	84665438	84665604	Chr8.66791	<i>Irf2</i> (-2669)	N/A
Chr8	84665742	84665871	Chr8.66793	<i>Irf2</i> (-2955)	N/A
Chr8	84668516	84668621	Chr8.66797	<i>Irf2</i> (-5717), <i>Nacc1</i> (+19293)	N/A
Chr8	84704716	84704816	Chr8.66936	<i>G430095p16nk</i> (-18241), <i>Lyl1</i> (+3309)	N/A
Chr8	84704845	84704959	Chr8.66937	<i>G430095p16nk</i> (-18105), <i>Lyl1</i> (+3445)	N/A
Chr8	84705064	84705170	Chr8.66938	<i>G430095p16nk</i> (-17890), <i>Lyl1</i> (+3660)	N/A
Chr8	84705875	84706052	Chr8.66943	<i>G430095p16nk</i> (-17043), <i>Lyl1</i> (+4507)	N/A
Chr8	84706377	84706523	Chr8.66945	<i>G430095p16nk</i> (-16557), <i>Lyl1</i> (+4993)	N/A
Chr8	84708353	84708545	Chr8.66956	<i>G430095p16nk</i> (-14568), <i>Lyl1</i> (+6962)	N/A
Chr8	84708976	84709245	Chr8.66960	<i>G430095p16nk</i> (-13940), <i>Lyl1</i> (+7604)	N/A
Chr8	84711906	84712109	Chr8.66964	<i>G430095p16nk</i> (-10999), <i>Lyl1</i> (+10551)	N/A
Chr8	84712560	84712771	Chr8.66969	<i>G430095p16nk</i> (-10341), <i>Lyl1</i> (+11209)	N/A
Chr8	84713562	84713665	Chr8.66970	<i>G430095p16nk</i> (-9393), <i>Lyl1</i> (+12157)	N/A
Chr8	84724824	84724973	Chr8.66994	<i>G430095p16nk</i> (+1892), <i>Nfix</i> (+48497)	N/A
Chr8	84728473	84728790	Chr8.67008	<i>G430095p16nk</i> (+5625), <i>Nfix</i> (+44754)	N/A
Chr8	84733089	84733324	Chr8.67023	<i>G430095p16nk</i> (+10200), <i>Nfix</i> (+40189)	N/A
Chr8	84735663	84735798	Chr8.67028	<i>G430095p16nk</i> (+12724), <i>Nfix</i> (+37665)	N/A
Chr8	84740551	84740660	Chr8.67037	<i>G430095p16nk</i> (+17599), <i>Nfix</i> (+32790)	N/A
Chr8	84741018	84741188	Chr8.67038	<i>G430095p16nk</i> (+18096), <i>Nfix</i> (+32293)	N/A
Chr8	84745658	84745811	Chr8.67051	<i>G430095p16nk</i> (+22728), <i>Nfix</i> (+27681)	N/A
Chr8	84749637	84749808	Chr8.67053	<i>Nfix</i> (+23674), <i>G430095p16nk</i> (+26715)	N/A
Chr8	84750400	84750591	Chr8.67057	<i>Nfix</i> (+22900), <i>G430095p16nk</i> (+27489)	N/A
Chr8	84752289	84752533	Chr8.67062	<i>Nfix</i> (+20985), <i>G430095p16nk</i> (+29404)	N/A
Chr8	84761112	84761352	Chr8.67077	<i>Nfix</i> (+12164), <i>G430095p16nk</i> (+38225)	N/A
Chr8	84765870	84766013	Chr8.67086	<i>Nfix</i> (+7454), <i>G430095p16nk</i> (+42935)	N/A
Chr8	84770918	84770916	Chr8.67093	<i>Nfix</i> (+2574), <i>G430095p16nk</i> (+47815)	N/A
Chr8	84772559	84773224	Chr8.67102	<i>Nfix</i> (+304)	N/A
Chr8	84774483	84774692	Chr8.67110	<i>Nfix</i> (-1192)	N/A
Chr8	84774792	84774913	Chr8.67113	<i>Nfix</i> (-1457)	N/A
Chr8	84775252	84775412	Chr8.67116	<i>Nfix</i> (-1936)	N/A
Chr8	84778954	84779054	Chr8.67128	<i>Nfix</i> (-5608), <i>Dand5</i> (+43819)	N/A
Chr8	84779991	84780306	Chr8.67131	<i>Nfix</i> (-6753), <i>Dand5</i> (+2874)	N/A
Chr8	84783071	84783313	Chr8.67141	<i>Nfix</i> (-9796), <i>Dand5</i> (+39631)	N/A
Chr8	84785758	84785859	Chr8.67151	<i>Nfix</i> (-12413), <i>Dand5</i> (+37014)	N/A
Chr8	84789018	84789156	Chr8.67158	<i>Nfix</i> (-15691), <i>Dand5</i> (+33736)	N/A
Chr8	84790193	84790348	Chr8.67161	<i>Nfix</i> (-16875), <i>Dand5</i> (+32552)	N/A
Chr8	84793749	84794048	Chr8.67165	<i>Nfix</i> (-20503), <i>Dand5</i> (+28924)	N/A
Chr8	84794591	84794732	Chr8.67174	<i>Nfix</i> (-21266), <i>Dand5</i> (+28161)	N/A
Chr8	84805134	84805259	Chr8.67178	<i>Nfix</i> (-31801), <i>Dand5</i> (+17626)	N/A
Chr8	84814536	84814860	Chr8.67188	<i>Nfix</i> (-41302), <i>Dand5</i> (+8125)	N/A
Chr8	84834620	84834728	Chr8.67219	<i>Gadd45gip1</i> (+3152), <i>Rad23a</i> (+5967)	N/A
Chr8	84842205	84842668	Chr8.67271	<i>Rad23a</i> (-1946)	N/A
Chr8	10812453	10812580	Chr8.6728	<i>3930402g23nk</i> (+115940), <i>Myo16</i> (+539945)	N/A
Chr8	84846892	84847156	Chr8.67327	<i>Caln1</i> (-90)	N/A
Chr8	84877545	84877869	Chr8.67412	<i>Syce2</i> (+5596), <i>Gcdh</i> (+16214)	N/A
Chr8	10857227	10857483	Chr8.6755	<i>3930402g23nk</i> (+71102), <i>Myo16</i> (+584783)	N/A
Chr8	84976451	84976700	Chr8.67839	<i>Rnaseh2a</i> (-6836), <i>Junb</i> (+2172)	N/A
Chr8	10911447	10911626	Chr8.6785	<i>3930402g23nk</i> (+16919), <i>Myo16</i> (+638966)	N/A
Chr8	84978764	84978922	Chr8.67863	<i>Junb</i> (-95)	N/A
Chr8	84979706	84979838	Chr8.67866	<i>Junb</i> (-1024)	N/A
Chr8	84980949	84981068	Chr8.67873	<i>Junb</i> (-2261)	N/A
Chr8	84981105	84981218	Chr8.67877	<i>Junb</i> (-2414)	N/A
Chr8	10924734	10924929	Chr8.6788	<i>3930402g23nk</i> (+3625), <i>Myo16</i> (+652260)	N/A
Chr8	84981969	84982110	Chr8.67881	<i>Junb</i> (-3292)	N/A
Chr8	84984710	84984821	Chr8.67892	<i>Junb</i> (-6018), <i>Hook2</i> (-5829)	N/A
Chr8	84984913	84985034	Chr8.67894	<i>Junb</i> (-6226), <i>Hook2</i> (-5621)	N/A
Chr8	84990827	84990956	Chr8.67909	<i>Hook2</i> (+297)	N/A
Chr8	10924989	10925103	Chr8.6791	<i>3930402g23nk</i> (+3411), <i>Myo16</i> (+652474)	N/A
Chr8	85017395	85017513	Chr8.68049	<i>Best2</i> (-3048)	N/A
Chr8	85037219	85037359	Chr8.68110	<i>Tpsx2</i> (-121)	N/A
Chr8	85055547	85055650	Chr8.68220	<i>Fbxw9</i> (-4456)	N/A
Chr8	10973077	10973249	Chr8.6826	<i>3930402g23nk</i> (-44706), <i>Irs2</i> (+35295)	N/A
Chr8	11001326	11001431	Chr8.6856	<i>3930402g23nk</i> (-72922), <i>Irs2</i> (+7079)	N/A
Chr8	86299448	86299682	Chr8.68581	<i>Orc6</i> (-117), <i>Vps35</i> (-2)	N/A
Chr8	86365399	86365509	Chr8.68647	<i>Myk3</i> (-130)	N/A
Chr8	86381065	86381212	Chr8.68650	<i>Myk3</i> (-15815), <i>4921524g17nk</i> (+51702)	N/A

Chr8	85512894	85513067	Chr8.68700	Gpt2(+20405),Dnaja2(+42290)	N/A
Chr8	85780346	85780542	Chr8.68873	Neto2(-89471),Irf1(+60505)	N/A
Chr8	86289002	86289149	Chr8.69176	Abcc12(+291610),Phkb(+448074)	N/A
Chr8	86353002	863534005	Chr8.69259	Abcc12(+22632),Phkb(+512862)	N/A
Chr8	86390103	86390245	Chr8.69200	Abcc12(+190512),Phkb(+549172)	N/A
Chr8	86473149	86473277	Chr8.69361	Abcc12(+107473),Phkb(+632211)	N/A
Chr8	11099016	11099144	Chr8.6959	Col4a2(-213725),Irs2(-90622)	N/A
Chr8	86578142	86578382	Chr8.69599	Abcc12(+2424),Phkb(+737260)	N/A
Chr8	11114749	11114901	Chr8.6965	Col4a2(-197980),Irs2(-108367)	N/A
Chr8	86728370	86729472	Chr8.69702	Slah1a(+17585),Lamp3(+104378)	N/A
Chr8	86757441	86757577	Chr8.69711	Slah1a(+11503),Nabp1(+127749)	N/A
Chr8	86887900	86888100	Chr8.69784	Nabp1(-2742)	N/A
Chr8	7038100	7038222	Chr8.69878	Nabp1(-152903),Cbln1(+434431)	N/A
Chr8	87128707	87128887	Chr8.69989	Nabp1(-243539),Cbln1(+343795)	N/A
Chr8	87189883	87190146	Chr8.70082	Nabp1(-304757),Cbln1(+262571)	N/A
Chr8	87198307	87198523	Chr8.70093	Nabp1(-315157),Cbln1(+274177)	N/A
Chr8	87199842	87200019	Chr8.70097	Nabp1(-314673),Cbln1(+272661)	N/A
Chr8	87228950	87229105	Chr8.70136	Nabp1(-343770),Cbln1(+243564)	N/A
Chr8	87233894	87234015	Chr8.70146	Nabp1(-348697),Cbln1(+238637)	N/A
Chr8	87372292	87372418	Chr8.70278	Nabp1(-487097),Cbln1(+100237)	N/A
Chr8	87412294	87412455	Chr8.70316	Nabp1(-527117),Cbln1(+60217)	N/A
Chr8	87503222	87503343	Chr8.70416	493340207rnk(+60570),Cbln1(-30691)	N/A
Chr8	87616744	87616991	Chr8.70515	493340207rnk(+53015),Zfp423(+342727)	N/A
Chr8	87629954	87630236	Chr8.70531	493340207rnk(+66242),Zfp423(+329500)	N/A
Chr8	87630420	87630568	Chr8.70534	493340207rnk(+66641),Zfp423(+329101)	N/A
Chr8	87645460	87645688	Chr8.70547	493340207rnk(+81721),Zfp423(+314021)	N/A
Chr8	87660263	87660536	Chr8.70558	493340207rnk(+96547),Zfp423(+299195)	N/A
Chr8	87660913	87661072	Chr8.70560	493340207rnk(+97140),Zfp423(+298602)	N/A
Chr8	87662259	87662556	Chr8.70563	493340207rnk(+98555),Zfp423(+297187)	N/A
Chr8	87668022	87668220	Chr8.70577	493340207rnk(+104268),Zfp423(+291474)	N/A
Chr8	87677563	87677694	Chr8.70588	493340207rnk(+113781),Zfp423(+281961)	N/A
Chr8	87679598	87679748	Chr8.70590	493340207rnk(+115820),Zfp423(+279923)	N/A
Chr8	87680921	87680420	Chr8.70606	493340207rnk(+125463),Zfp423(+270279)	N/A
Chr8	87689490	87689589	Chr8.70609	493340207rnk(+125687),Zfp423(+270055)	N/A
Chr8	87691841	87692186	Chr8.70627	493340207rnk(+128161),Zfp423(+267581)	N/A
Chr8	87694584	87694750	Chr8.70630	493340207rnk(+130814),Zfp423(+264928)	N/A
Chr8	87702539	87702761	Chr8.70643	493340207rnk(+138797),Zfp423(+260154)	N/A
Chr8	87707304	87707454	Chr8.70648	493340207rnk(+143526),Zfp423(+252216)	N/A
Chr8	87707515	87707631	Chr8.70651	493340207rnk(+143720),Zfp423(+252022)	N/A
Chr8	87711691	87711925	Chr8.70655	493340207rnk(+147955),Zfp423(+247787)	N/A
Chr8	87715930	87716665	Chr8.70659	493340207rnk(+152445),Zfp423(+243297)	N/A
Chr8	87717845	87718002	Chr8.70663	493340207rnk(+154071),Zfp423(+241677)	N/A
Chr8	87719154	87719728	Chr8.70666	493340207rnk(+155868),Zfp423(+240154)	N/A
Chr8	87723117	87723352	Chr8.70676	493340207rnk(+159382),Zfp423(+236360)	N/A
Chr8	87731242	87731425	Chr8.70681	493340207rnk(+167481),Zfp423(+228261)	N/A
Chr8	87734839	87735010	Chr8.70686	493340207rnk(+171072),Zfp423(+224670)	N/A
Chr8	87735242	87735353	Chr8.70689	493340207rnk(+171445),Zfp423(+224297)	N/A
Chr8	87737372	87737546	Chr8.70697	493340207rnk(+173606),Zfp423(+222133)	N/A
Chr8	87744821	87745149	Chr8.70718	493340207rnk(+181132),Zfp423(+214610)	N/A
Chr8	87745210	87745431	Chr8.70720	493340207rnk(+181468),Zfp423(+214274)	N/A
Chr8	87745554	87745731	Chr8.70721	493340207rnk(+181785),Zfp423(+213957)	N/A
Chr8	87746142	87746318	Chr8.70722	493340207rnk(+182377),Zfp423(+213365)	N/A
Chr8	87750544	87750897	Chr8.70729	493340207rnk(+188688),Zfp423(+208874)	N/A
Chr8	87752779	87752936	Chr8.70733	493340207rnk(+189005),Zfp423(+209379)	N/A
Chr8	87755189	87755436	Chr8.70740	493340207rnk(+191460),Zfp423(+204282)	N/A
Chr8	87771547	87771658	Chr8.70753	Zfp423(+187992),493340207rnk(+207750)	N/A
Chr8	87773219	87773373	Chr8.70760	Zfp423(+186299),493340207rnk(+209443)	N/A
Chr8	87777852	87777869	Chr8.70762	Zfp423(+181834),493340207rnk(+213908)	N/A
Chr8	87784454	87784457	Chr8.70823	Zfp423(+175083),493340207rnk(+220659)	N/A
Chr8	87786704	87786875	Chr8.70828	Zfp423(+172865),493340207rnk(+222937)	N/A
Chr8	87803487	87803656	Chr8.70845	Zfp423(+156023),493340207rnk(+239719)	N/A
Chr8	87804468	87804623	Chr8.70847	Zfp423(+155049),493340207rnk(+240693)	N/A
Chr8	87806010	87806234	Chr8.70853	Zfp423(+153473),493340207rnk(+242269)	N/A
Chr8	87811814	87811945	Chr8.70871	Zfp423(+147715),493340207rnk(+248027)	N/A
Chr8	87822538	87823018	Chr8.70879	Zfp423(+136817),493340207rnk(+258925)	N/A
Chr8	87823216	87823467	Chr8.70884	Zfp423(+136253),493340207rnk(+259489)	N/A
Chr8	87831623	87831943	Chr8.70888	Zfp423(+127812),493340207rnk(+267930)	N/A
Chr8	87832969	87833107	Chr8.70898	Zfp423(+126557),493340207rnk(+269185)	N/A
Chr8	87833306	87834282	Chr8.70905	Zfp423(+125801),493340207rnk(+269941)	N/A
Chr8	87835484	87835710	Chr8.70916	Zfp423(+123993),493340207rnk(+271749)	N/A
Chr8	87835754	87835916	Chr8.70920	Zfp423(+123760),493340207rnk(+271982)	N/A
Chr8	87847951	87848085	Chr8.70947	Zfp423(+111577),493340207rnk(+284165)	N/A
Chr8	87861144	87861305	Chr8.70967	Zfp423(+98370),493340207rnk(+297372)	N/A
Chr8	87861578	87861869	Chr8.70970	Zfp423(+97871),493340207rnk(+297871)	N/A
Chr8	87873148	87873565	Chr8.70986	Zfp423(+86238),493340207rnk(+309504)	N/A
Chr8	87879839	87879939	Chr8.70996	Zfp423(+79706),493340207rnk(+316633)	N/A
Chr8	87880248	87880426	Chr8.71000	Zfp423(+79258),493340207rnk(+316484)	N/A
Chr8	87887837	87888080	Chr8.71008	Zfp423(+71636),493340207rnk(+324106)	N/A
Chr8	87892007	87892232	Chr8.71010	Zfp423(+67475),493340207rnk(+328267)	N/A
Chr8	87895775	87896034	Chr8.71018	Zfp423(+63690),493340207rnk(+332052)	N/A
Chr8	87904245	87904436	Chr8.71022	Zfp423(+55254),493340207rnk(+340488)	N/A
Chr8	87905606	87905725	Chr8.71028	Zfp423(+53929),493340207rnk(+341613)	N/A
Chr8	87912390	87912553	Chr8.71029	Zfp423(+47123),493340207rnk(+348619)	N/A
Chr8	87914303	87914496	Chr8.71033	Zfp423(+45195),493340207rnk(+350547)	N/A
Chr8	87918122	87918235	Chr8.71040	Zfp423(+41416),493340207rnk(+354326)	N/A
Chr8	87923013	87923114	Chr8.71044	Zfp423(+36531),493340207rnk(+359211)	N/A
Chr8	87925450	87926113	Chr8.71048	Zfp423(+33813),493340207rnk(+361029)	N/A
Chr8	87926178	87926355	Chr8.71052	Zfp423(+33328),493340207rnk(+362414)	N/A
Chr8	87927552	87927695	Chr8.71054	Zfp423(+31971),493340207rnk(+363771)	N/A
Chr8	87929319	87929691	Chr8.71060	Zfp423(+30090),493340207rnk(+365652)	N/A
Chr8	87929930	87930106	Chr8.71062	Zfp423(+29577),493340207rnk(+366165)	N/A
Chr8	87937306	87937531	Chr8.71068	Zfp423(+22176),493340207rnk(+373566)	N/A
Chr8	87938419	87938746	Chr8.71074	Zfp423(+21012),493340207rnk(+374730)	N/A
Chr8	87950152	87950338	Chr8.71081	Zfp423(+9350),493340207rnk(+386392)	N/A
Chr8	87953851	87953971	Chr8.71090	Zfp423(+5684),493340207rnk(+390058)	N/A
Chr8	87955035	87955192	Chr8.71097	Zfp423(+4481),493340207rnk(+391261)	N/A
Chr8	87956117	87956286	Chr8.71105	Zfp423(+3393),493340207rnk(+392349)	N/A
Chr8	87956764	87957093	Chr8.71113	Zfp423(+2866),493340207rnk(+393078)	N/A
Chr8	87957993	87958150	Chr8.71120	Zfp423(+1523),493340207rnk(+394219)	N/A
Chr8	87960515	87960776	Chr8.71122	Zfp423(+1051)	N/A
Chr8	87961436	87961546	Chr8.71125	Zfp423(+1896)	N/A
Chr8	87962161	87962358	Chr8.71127	Zfp423(+2665)	N/A
Chr8	87967635	87968140	Chr8.71135	Cnep1r1(-150881),Zfp423(-8293)	N/A
Chr8	88012459	88012628	Chr8.71154	Cnep1r1(-106229),Zfp423(-52948)	N/A
Chr8	88019546	88019655	Chr8.71157	Cnep1r1(-99168),Zfp423(-60006)	N/A
Chr8	88201262	88201425	Chr8.71296	Adcy7(-71059),Tent4b(+2131)	N/A
Chr8	88202237	88202341	Chr8.71303	Adcy7(-70114),Tent4b(+3076)	N/A
Chr8	88257523	88257665	Chr8.71341	Adcy7(-14809),Tent4b(+58381)	N/A
Chr8	88262827	88263234	Chr8.71355	Adcy7(-5222),Tent4b(+63868)	N/A
Chr8	88282791	88282894	Chr8.71360	Adcy7(-10440),Brd7(-79351)	N/A
Chr8	88300412	88300522	Chr8.71371	Adcy7(+28064),Brd7(+61727)	N/A
Chr8	88377314	88377590	Chr8.71571	Nkd1(-143892),Brd7(-15258)	N/A
Chr8	88382219	88382892	Chr8.71581	Nkd1(-138788),Brd7(-20362)	N/A
Chr8	88389441	88389542	Chr8.71588	Nkd1(-131852),Brd7(-27298)	N/A
Chr8	88389892	88389940	Chr8.71592	Nkd1(-131583),Brd7(-27567)	N/A
Chr8	88411568	88411782	Chr8.71609	Nkd1(-109669),Brd7(-49481)	N/A
Chr8	88417592	88417767	Chr8.71613	Nkd1(-103664),Brd7(-55486)	N/A
Chr8	88431573	88431675	Chr8.71623	Nkd1(-89720),Brd7(-69430)	N/A
Chr8	88447656	88448034	Chr8.71644	Brd7(-85651),Nkd1(-73499)	N/A
Chr8	88451065	88451467	Chr8.71647	Brd7(-86072),Nkd1(-70078)	N/A
Chr8	88455510	88455820	Chr8.71650	Brd7(-93471),Nkd1(-65676)	N/A
Chr8	88470985	88471159	Chr8.71655	Brd7(-108878),Nkd1(-50272)	N/A
Chr8	88480172	88480350	Chr8.71657	Brd7(-118067),Nkd1(-41083)	N/A
Chr8	88488554	88488882	Chr8.71663	Brd7(-126424),Nkd1(-32726)	N/A
Chr8	88495278	88495541	Chr8.71666	Brd7(-133216),Nkd1(-25934)	N/A
Chr8	88512395	88512650	Chr8.71669	Brd7(-150329),Nkd1(-8821)	N/A
Chr8	88518460	88518608	Chr8.71675	Nkd1(-2810)	N/A
Chr8	88523082	88523209	Chr8.71680	Nkd1(+1802),Snx20(+112982)	N/A
Chr8	88523800	88523940	Chr8.71685	Nkd1(+2526),Snx20(+112258)	N/A
Chr8	88524038	88524397	Chr8.71686	Nkd1(+2874),Snx20(+111910)	N/A
Chr8	88524044	88524642	Chr8.71694	Nkd1(+5179),Snx20(+109605)	N/A
Chr8	88524962	88525264	Chr8.71696	Nkd1(+4819),Snx20(+107965)	N/A
Chr8	88528360	88528468	Chr8.71699	Nkd1(+7070),Snx20(+107714)	N/A
Chr8	88537235	88537433	Chr8.71701	Nkd1(+15990),Snx20(+98794)	N/A
Chr8	88538369	88538584	Chr8.71710	Nkd1(+17133),Snx20(+97651)	N/A
Chr8	88546309	88546746	Chr8.71717	Nkd1(+25164),Snx20(+89900)	N/A
Chr8	88555714	88555906	Chr8.71724	Nkd1(+34465),Snx20(+80318)	N/A
Chr8	88570581	88570844	Chr8.71731	Nkd1(+49369),Snx20(+65415)	N/A

Chr8	88575058	88575277	Chr8.71743	Nkd1(+53824), Srx20(+60960)	N/A
Chr8	88577831	88577955	Chr8.71745	Nkd1(+56549), Srx20(+58235)	N/A
Chr8	88579219	88579496	Chr8.71753	Srx20(+56770), Nkd1(+58014)	N/A
Chr8	88604074	88604183	Chr8.71798	Srx20(+31999), Nkd1(+62765)	N/A
Chr8	88604435	88604632	Chr8.71800	Srx20(+31594), Nkd1(+83190)	N/A
Chr8	88686230	88686333	Chr8.71969	Cyld(-18940), Nod2(+38967)	N/A
Chr8	88835837	88835959	Chr8.72151	Cyld(+130676), Sall1(+208264)	N/A
Chr8	88856598	88857059	Chr8.72168	Cyld(+151607), Sall1(+187333)	N/A
Chr8	88878104	88878243	Chr8.72211	Sall1(+165988), Cyld(+172952)	N/A
Chr8	88913939	88914088	Chr8.72277	Sall1(+130148), Cyld(+208792)	N/A
Chr8	88914235	88914425	Chr8.72283	Sall1(+129832), Cyld(+209108)	N/A
Chr8	88917601	88917730	Chr8.72285	Sall1(+126498), Cyld(+212444)	N/A
Chr8	88928832	88929157	Chr8.72299	Sall1(+115167), Cyld(+223773)	N/A
Chr8	88936636	88936836	Chr8.72317	Sall1(+107426), Cyld(+231514)	N/A
Chr8	89040037	89040168	Chr8.72578	Sall1(+4059), Cyld(+334881)	N/A
Chr8	89040317	89040441	Chr8.72580	Sall1(+3783), Cyld(+335157)	N/A
Chr8	89042670	89042841	Chr8.72591	Sall1(+1406), Cyld(+337534)	N/A
Chr8	89043463	89043633	Chr8.72596	Sall1(+614)	N/A
Chr8	89044227	89044354	Chr8.72601	Sall1(-129)	N/A
Chr8	89044637	89044846	Chr8.72603	Sall1(-581)	N/A
Chr8	89045440	89045541	Chr8.72605	Sall1(-1328)	N/A
Chr8	89046399	89046502	Chr8.72608	Sall1(-2289)	N/A
Chr8	89169478	89169640	Chr8.72744	Sall1(-125397), Gm5356(+18001)	N/A
Chr8	89185486	89185585	Chr8.72754	Sall1(-141374), Gm5356(+2024)	N/A
Chr8	89245189	89245486	Chr8.72823	Gm5356(-57778)	N/A
Chr8	89308228	89308972	Chr8.72905	Gm5356(-121280)	N/A
Chr8	89309264	89309374	Chr8.72906	Gm5356(-121759)	N/A
Chr8	89309686	89310041	Chr8.72909	Gm5356(-122304)	N/A
Chr8	89310484	89310850	Chr8.72916	Gm5356(-123107)	N/A
Chr8	89316583	89316761	Chr8.72927	Gm5356(-129112)	N/A
Chr8	89317663	89317805	Chr8.72932	Gm5356(-130174)	N/A
Chr8	89383241	89383429	Chr8.73027	Gm5356(-196775), Tax3(+965008)	N/A
Chr8	89383657	89383761	Chr8.73029	Gm5356(-196149), Tax3(+964634)	N/A
Chr8	89384137	89384262	Chr8.73033	Gm5356(-196640), Tax3(+964143)	N/A
Chr8	89386020	89386124	Chr8.73034	Gm5356(-198512), Tax3(+962271)	N/A
Chr8	89388820	89389278	Chr8.73047	Gm5356(-201487), Tax3(+959296)	N/A
Chr8	89412152	89412581	Chr8.73080	Gm5356(-224807), Tax3(+939876)	N/A
Chr8	89426342	89426479	Chr8.73105	Gm5356(-238851), Tax3(+921832)	N/A
Chr8	89498139	89498449	Chr8.73203	Gm5356(-310734), Tax3(+850049)	N/A
Chr8	89507445	89507763	Chr8.73212	Gm5356(-320044), Tax3(+840739)	N/A
Chr8	89523393	89523652	Chr8.73230	Gm5356(-335963), Tax3(+824820)	N/A
Chr8	11262228	11262429	Chr8.7327	Is2(-253921), Cc4a2(-50426)	N/A
Chr8	11308772	11308955	Chr8.7368	Cc4a2(-3971)	N/A
Chr8	89883341	89883645	Chr8.73730	Gm5356(-695933), Tax3(+464850)	N/A
Chr8	89926844	89927133	Chr8.73769	Gm5356(-739429), Tax3(+421354)	N/A
Chr8	89982341	89982494	Chr8.73825	Gm5356(-794858), Tax3(+365925)	N/A
Chr8	90001387	90001615	Chr8.73857	Gm5356(-813941), Tax3(+346842)	N/A
Chr8	11331387	11331405	Chr8.7387	Cc4a1(-18470), Rab20(+147342)	N/A
Chr8	90031370	90031589	Chr8.73905	Gm5356(-943920), Tax3(+316863)	N/A
Chr8	90064376	90064986	Chr8.73943	Gm5356(-877121), Tax3(+283662)	N/A
Chr8	90076403	90076640	Chr8.73958	Gm5356(-888962), Tax3(+271821)	N/A
Chr8	11348229	11348354	Chr8.7413	Cc4a1(-35466), Rab20(+130346)	N/A
Chr8	90301455	90301748	Chr8.74359	Tax3(+46741)	N/A
Chr8	11366213	11366395	Chr8.74336	Cc4a1(-53478), Rab20(+112334)	N/A
Chr8	90301957	90302064	Chr8.74361	Tax3(+46332)	N/A
Chr8	90302194	90302743	Chr8.74362	Tax3(+45874)	N/A
Chr8	90302909	90303107	Chr8.74364	Tax3(+45335)	N/A
Chr8	90303206	90303555	Chr8.74369	Tax3(+44962)	N/A
Chr8	90346349	90346446	Chr8.74440	Tax3(+2089)	N/A
Chr8	90346770	90346883	Chr8.74445	Tax3(+1516)	N/A
Chr8	90348958	90349148	Chr8.74450	Tax3(-710)	N/A
Chr8	90349772	90350073	Chr8.74457	Tax3(-1580)	N/A
Chr8	90354032	90354321	Chr8.74473	Chd9(-474658), Tax3(-5834)	N/A
Chr8	11382512	11382696	Chr8.7455	Cc4a1(-69778), Rab20(+96034)	N/A
Chr8	90492527	90492749	Chr8.74607	Chd9(-336197), Tax3(+144295)	N/A
Chr8	90496170	90496768	Chr8.74614	Chd9(-32356), Tax3(-148126)	N/A
Chr8	90499382	90499481	Chr8.74622	Chd9(-329403), Tax3(-151089)	N/A
Chr8	90519574	90520020	Chr8.74648	Chd9(-309038), Tax3(-171454)	N/A
Chr8	11385614	11385741	Chr8.7467	Cc4a1(-72852), Rab20(+92960)	N/A
Chr8	90543001	90543225	Chr8.74708	Chd9(-28372), Tax3(-194770)	N/A
Chr8	11400309	11400442	Chr8.7489	Cc4a1(-67550), Rab20(+78262)	N/A
Chr8	90670233	90670374	Chr8.74848	Tax3(-321961), Chd9(-158531)	N/A
Chr8	90670406	90670510	Chr8.74849	Tax3(-322115), Chd9(-158377)	N/A
Chr8	90670784	90671301	Chr8.74852	Tax3(-322700), Chd9(-157792)	N/A
Chr8	90785166	90785271	Chr8.74931	Tax3(-436878), Chd9(-43616)	N/A
Chr8	90785447	90785447	Chr8.74932	Tax3(-437038), Chd9(-43454)	N/A
Chr8	90815917	90816130	Chr8.74943	Tax3(-467681), Chd9(-12811)	N/A
Chr8	90849803	90849938	Chr8.74956	Chd9(+21036), Gm6658(+58544)	N/A
Chr8	90854517	90854930	Chr8.74959	Chd9(+25889), Gm6658(+53691)	N/A
Chr8	90869363	90869603	Chr8.74973	Gm6658(+38932), Chd9(+40648)	N/A
Chr8	90869632	90869784	Chr8.74978	Gm6658(+38707), Chd9(+40873)	N/A
Chr8	90870452	90870810	Chr8.74978	Gm6658(+37784), Chd9(+41796)	N/A
Chr8	90876324	90876635	Chr8.74984	Gm6658(+31935), Chd9(+47645)	N/A
Chr8	90954830	90955255	Chr8.75020	Rb2(-115014), Gm6658(-46628)	N/A
Chr8	90955295	90955848	Chr8.75023	Rb2(-114485), Gm6658(-47157)	N/A
Chr8	91171908	91172023	Chr8.75299	Aktip(-37501), Rpgrip1(+141296)	N/A
Chr8	91189202	91189494	Chr8.75318	Aktip(-63883), Rpgrip1(+14914)	N/A
Chr8	91216789	91216998	Chr8.75325	Aktip(-82429), Rpgrip1(+96368)	N/A
Chr8	91217031	91217137	Chr8.75327	Aktip(-82619), Rpgrip1(+96178)	N/A
Chr8	91217295	91217726	Chr8.75330	Aktip(-83046), Rpgrip1(+95751)	N/A
Chr8	91218190	91219035	Chr8.75336	Aktip(-84148), Rpgrip1(+94649)	N/A
Chr8	91222013	91222140	Chr8.75355	Aktip(-87612), Rpgrip1(+91185)	N/A
Chr8	91277851	91278503	Chr8.75461	Aktip(-143807), Rpgrip1(+34909)	N/A
Chr8	91282536	91283012	Chr8.75470	Aktip(-148309), Rpgrip1(+30488)	N/A
Chr8	91290163	91290456	Chr8.75500	Aktip(-155845), Rpgrip1(+22952)	N/A
Chr8	91290580	91290914	Chr8.75503	Aktip(-156282), Rpgrip1(+22515)	N/A
Chr8	91313196	91313321	Chr8.75563	Fto(-273), Rpgrip1(+3)	N/A
Chr8	91329771	91330029	Chr8.75576	Fto(-16368), Ix3(+471754)	N/A
Chr8	91330193	91331186	Chr8.75578	Fto(-17158), Ix3(+470964)	N/A
Chr8	91342751	91342908	Chr8.75594	Fto(-29298), Ix3(+458824)	N/A
Chr8	91347450	91347656	Chr8.75597	Fto(+34021), Ix3(+454101)	N/A
Chr8	91354988	91355151	Chr8.75606	Fto(+41538), Ix3(+446584)	N/A
Chr8	91355336	91355843	Chr8.75613	Fto(+42058), Ix3(+446064)	N/A
Chr8	91370818	91371182	Chr8.75640	Fto(+57468), Ix3(+430554)	N/A
Chr8	91374218	91374519	Chr8.75651	Fto(+60837), Ix3(+427285)	N/A
Chr8	91375671	91376023	Chr8.75656	Fto(+62315), Ix3(+425807)	N/A
Chr8	91379008	91379350	Chr8.75660	Fto(+65647), Ix3(+422475)	N/A
Chr8	91379599	91379823	Chr8.75665	Fto(+66179), Ix3(+421943)	N/A
Chr8	91381549	91381675	Chr8.75670	Fto(+68080), Ix3(+42042)	N/A
Chr8	91381720	91382069	Chr8.75672	Fto(+68363), Ix3(+419759)	N/A
Chr8	91383890	91384257	Chr8.75675	Fto(+70542), Ix3(+417580)	N/A
Chr8	91390277	91390597	Chr8.75686	Fto(+76905), Ix3(+412127)	N/A
Chr8	91444731	91445081	Chr8.75756	Fto(+131374), Ix3(+356748)	N/A
Chr8	91445119	91445325	Chr8.75757	Fto(+131690), Ix3(+359432)	N/A
Chr8	91489346	91489613	Chr8.75801	Fto(+74948), Ix3(+313174)	N/A
Chr8	91489046	91489213	Chr8.75808	Fto(+175598), Ix3(-312524)	N/A
Chr8	91489337	91489651	Chr8.75810	Fto(+175962), Ix3(+312160)	N/A
Chr8	91489833	91489968	Chr8.75817	Fto(+176369), Ix3(+311753)	N/A
Chr8	91508057	91508457	Chr8.75853	Fto(+194725), Ix3(+293397)	N/A
Chr8	91514831	91515337	Chr8.75879	Fto(+201602), Ix3(+286520)	N/A
Chr8	91516841	91517327	Chr8.75896	Fto(+203552), Ix3(+284570)	N/A
Chr8	91518306	91518470	Chr8.75898	Fto(+204856), Ix3(+283266)	N/A
Chr8	91518613	91518713	Chr8.75904	Fto(+205131), Ix3(+282991)	N/A
Chr8	91523597	91523698	Chr8.75910	Fto(+210116), Ix3(+278006)	N/A
Chr8	91524254	91524369	Chr8.75914	Fto(+210780), Ix3(+277342)	N/A
Chr8	91524414	91524514	Chr8.75915	Fto(+210932), Ix3(+277190)	N/A
Chr8	91524551	91524723	Chr8.75918	Fto(+211105), Ix3(+277017)	N/A
Chr8	91524873	91525013	Chr8.75924	Fto(+211411), Ix3(+276711)	N/A
Chr8	91525307	91525766	Chr8.75927	Fto(+212005), Ix3(+276117)	N/A
Chr8	91532757	91532859	Chr8.75947	Fto(+219276), Ix3(+268846)	N/A
Chr8	91532962	91533532	Chr8.75951	Fto(+219725), Ix3(+268397)	N/A
Chr8	91533633	91533749	Chr8.75954	Fto(+220159), Ix3(+267963)	N/A
Chr8	91533800	91534030	Chr8.75957	Fto(+220383), Ix3(+267739)	N/A
Chr8	91551883	91552120	Chr8.76016	Fto(+238470), Ix3(+249652)	N/A
Chr8	91560191	91560510	Chr8.76043	Ix3(+241303), Fto(+246819)	N/A
Chr8	91562417	91563082	Chr8.76047	Ix3(+238904), Fto(+249218)	N/A
Chr8	91564656	91564980	Chr8.76058	Ix3(+238738), Fto(+251386)	N/A
Chr8	91566393	91566761	Chr8.76061	Ix3(+235077), Fto(+253045)	N/A

Chr8	91569682	91570010	Chr8.76078	1rx3(+231808),Flot(+256314)	N/A
Chr8	91570401	91570504	Chr8.76081	1rx3(+231201),Flot(+256921)	N/A
Chr8	91575564	91575881	Chr8.76098	1rx3(+225931),Flot(+262191)	N/A
Chr8	91576426	91576594	Chr8.76103	1rx3(+225144),Flot(+262978)	N/A
Chr8	91576794	91577065	Chr8.76105	1rx3(+224724),Flot(+263398)	N/A
Chr8	91581981	91582172	Chr8.76115	1rx3(+219577),Flot(+268545)	N/A
Chr8	91593140	91593588	Chr8.76147	1rx3(+208290),Flot(+279832)	N/A
Chr8	91593638	91594022	Chr8.76149	1rx3(+207824),Flot(+280298)	N/A
Chr8	91594947	91594962	Chr8.76166	1rx3(+202089),Flot(+286033)	N/A
Chr8	91606174	91606378	Chr8.76171	1rx3(+196378),Flot(+292744)	N/A
Chr8	91606612	91606985	Chr8.76175	1rx3(+194855),Flot(+293267)	N/A
Chr8	91611111	91611250	Chr8.76187	1rx3(+190473),Flot(+297649)	N/A
Chr8	91611739	91611922	Chr8.76190	1rx3(+189823),Flot(+298299)	N/A
Chr8	91611992	91612202	Chr8.76193	1rx3(+189557),Flot(+298659)	N/A
Chr8	91612303	91612573	Chr8.76195	1rx3(+189216),Flot(+298909)	N/A
Chr8	91613132	91613279	Chr8.76201	1rx3(+188448),Flot(+298674)	N/A
Chr8	91614927	91615433	Chr8.76210	1rx3(+186474),Flot(+301648)	N/A
Chr8	91617226	91617339	Chr8.76220	1rx3(+184371),Flot(+303751)	N/A
Chr8	91618768	91618912	Chr8.76232	1rx3(+182814),Flot(+305308)	N/A
Chr8	91624032	91624318	Chr8.76243	1rx3(+177479),Flot(+310643)	N/A
Chr8	91625738	91626052	Chr8.76253	1rx3(+175759),Flot(+312363)	N/A
Chr8	91629915	91630054	Chr8.76272	1rx3(+171669),Flot(+316453)	N/A
Chr8	91633573	91633793	Chr8.76287	1rx3(+167971),Flot(+320151)	N/A
Chr8	91646643	91646959	Chr8.76333	1rx3(+154853),Flot(+333269)	N/A
Chr8	91652946	91653305	Chr8.76355	1rx3(+148528),Flot(+339594)	N/A
Chr8	91657104	91657229	Chr8.76372	1rx3(+144487),Flot(+343635)	N/A
Chr8	91669691	91669840	Chr8.76409	1rx3(+131888),Flot(+356234)	N/A
Chr8	91672341	91672734	Chr8.76419	1rx3(+129116),Flot(+359006)	N/A
Chr8	91692108	91692212	Chr8.76438	1rx3(+109494),Flot(+378628)	N/A
Chr8	91707071	91706958	Chr8.76475	1rx3(+94874),Flot(+393248)	N/A
Chr8	91711347	91711472	Chr8.76501	1rx3(+90244),Flot(+397878)	N/A
Chr8	91712496	91712619	Chr8.76507	1rx3(+89096),Flot(+399026)	N/A
Chr8	91712959	91713112	Chr8.76515	1rx3(+88618),Flot(+399504)	N/A
Chr8	91713280	91713508	Chr8.76519	1rx3(+88260),Flot(+399862)	N/A
Chr8	91713742	91713950	Chr8.76522	1rx3(+87808),Flot(+400314)	N/A
Chr8	91715564	91715902	Chr8.76530	1rx3(+85921),Flot(+402201)	N/A
Chr8	91731036	91731286	Chr8.76543	1rx3(+70493),Flot(+417629)	N/A
Chr8	91731634	91731786	Chr8.76546	1rx3(+69944),Flot(+418178)	N/A
Chr8	91745927	91746096	Chr8.76563	1rx3(+55642),Flot(+432480)	N/A
Chr8	91750133	91750373	Chr8.76577	1rx3(+51401),Flot(+436721)	N/A
Chr8	91750882	91751145	Chr8.76585	1rx3(+50640),Flot(+437482)	N/A
Chr8	91751445	91751618	Chr8.76588	1rx3(+50122),Flot(+438000)	N/A
Chr8	91755555	91755688	Chr8.76604	1rx3(+36032),Flot(+452090)	N/A
Chr8	91768627	91768761	Chr8.76612	1rx3(+32960),Flot(+455162)	N/A
Chr8	91768814	91768960	Chr8.76614	1rx3(+32767),Flot(+455355)	N/A
Chr8	91768990	91769205	Chr8.76619	1rx3(+32556),Flot(+455566)	N/A
Chr8	91777643	91777803	Chr8.76635	1rx3(+23791),Flot(+464331)	N/A
Chr8	91793444	91794125	Chr8.76644	1rx3(+7619),Flot(+480503)	N/A
Chr8	91798525	91798627	Chr8.76650	1rx3(+3078),Flot(+485044)	N/A
Chr8	91801975	91802104	Chr8.76673	1rx3(-386)	N/A
Chr8	91806198	91806340	Chr8.76683	1rx3(-4615)	N/A
Chr8	91818857	91818983	Chr8.76686	1rx5(-538876),1rx3(-17266)	N/A
Chr8	91872491	91872743	Chr8.76760	1rx5(-485179),1rx3(-70963)	N/A
Chr8	91872776	91872996	Chr8.76761	1rx5(-484910),1rx3(-71232)	N/A
Chr8	91876101	91876214	Chr8.76773	1rx5(-481638),1rx3(-74504)	N/A
Chr8	91897560	91897663	Chr8.76820	1rx5(-460184),1rx3(-95958)	N/A
Chr8	91925882	91926044	Chr8.76865	1rx5(-431833),1rx3(-124309)	N/A
Chr8	91926075	91926416	Chr8.76868	1rx5(-431550),1rx3(-124592)	N/A
Chr8	91926619	91926774	Chr8.76874	1rx5(-431099),1rx3(-125043)	N/A
Chr8	91926906	91926938	Chr8.76880	1rx5(-430925),1rx3(-125217)	N/A
Chr8	91927176	91927363	Chr8.76882	1rx5(-430526),1rx3(-125616)	N/A
Chr8	91927483	91928137	Chr8.76887	1rx5(-429986),1rx3(-126156)	N/A
Chr8	91930594	91930732	Chr8.76906	1rx5(-427133),1rx3(-129009)	N/A
Chr8	91941058	91941221	Chr8.76914	1rx5(-418658),1rx3(-139498)	N/A
Chr8	91947926	91948213	Chr8.76927	1rx5(-409726),1rx3(-146146)	N/A
Chr8	91948412	91949123	Chr8.76934	1rx5(-408028),1rx3(-147114)	N/A
Chr8	91949199	91949520	Chr8.76937	1rx5(-408436),1rx3(-147706)	N/A
Chr8	91955338	91955520	Chr8.76943	1rx5(-402367),1rx3(-153775)	N/A
Chr8	91968772	91968938	Chr8.76978	1rx5(-388941),1rx3(-167201)	N/A
Chr8	91989412	91989560	Chr8.77003	1rx5(-368295),1rx3(-187847)	N/A
Chr8	91990033	91990192	Chr8.77011	1rx5(-367683),1rx3(-188459)	N/A
Chr8	91991656	91991848	Chr8.77021	1rx5(-366044),1rx3(-190098)	N/A
Chr8	91991879	91992248	Chr8.77022	1rx5(-365732),1rx3(-190410)	N/A
Chr8	91993169	91993487	Chr8.77031	1rx5(-364468),1rx3(-191674)	N/A
Chr8	91994175	91994316	Chr8.77037	1rx5(-363550),1rx3(-192592)	N/A
Chr8	91995523	91995746	Chr8.77046	1rx5(-362161),1rx3(-193981)	N/A
Chr8	91996701	91996865	Chr8.77054	1rx5(-361013),1rx3(-195129)	N/A
Chr8	91996927	91997108	Chr8.77056	1rx5(-360778),1rx3(-195364)	N/A
Chr8	91997238	91997453	Chr8.77060	1rx5(-360450),1rx3(-195692)	N/A
Chr8	91997525	91997773	Chr8.77061	1rx5(-360147),1rx3(-195995)	N/A
Chr8	92003557	92003684	Chr8.77079	1rx5(-348325),1rx3(-207817)	N/A
Chr8	92020795	92020006	Chr8.77134	1rx5(-327900),1rx3(-223424)	N/A
Chr8	92065564	92065834	Chr8.77201	1rx5(-292097),1rx3(-264045)	N/A
Chr8	92065955	92066115	Chr8.77207	1rx5(-291761),1rx3(-264381)	N/A
Chr8	92066405	92066827	Chr8.77209	1rx5(-291180),1rx3(-264962)	N/A
Chr8	92113806	92114075	Chr8.77269	1rx5(-313287),1rx5(-243855)	N/A
Chr8	92114471	92114925	Chr8.77273	1rx5(-313044),1rx5(-243098)	N/A
Chr8	92115019	92115246	Chr8.77275	1rx3(-313479),1rx5(-242663)	N/A
Chr8	92129802	92130134	Chr8.77317	1rx3(-328314),1rx5(-227828)	N/A
Chr8	92134005	92134308	Chr8.77326	1rx3(-332503),1rx5(-223639)	N/A
Chr8	92136624	92136785	Chr8.77341	1rx3(-335051),1rx5(-221091)	N/A
Chr8	92137122	92137365	Chr8.77346	1rx3(-335990),1rx5(-220552)	N/A
Chr8	92137411	92137555	Chr8.77351	1rx3(-335829),1rx5(-220313)	N/A
Chr8	92167316	92167467	Chr8.77393	1rx3(-365738),1rx5(-190404)	N/A
Chr8	92167722	92167876	Chr8.77397	1rx3(-366145),1rx5(-189997)	N/A
Chr8	92179305	92179431	Chr8.77420	1rx3(-377714),1rx5(-178428)	N/A
Chr8	92193721	92193832	Chr8.77443	1rx3(-392123),1rx5(-164019)	N/A
Chr8	92193963	92194032	Chr8.77444	1rx3(-392309),1rx5(-163833)	N/A
Chr8	92205592	92205910	Chr8.77447	1rx3(-404097),1rx5(-152045)	N/A
Chr8	92216375	92216541	Chr8.77458	1rx3(-414804),1rx5(-141338)	N/A
Chr8	92240419	92240637	Chr8.77480	1rx3(-438874),1rx5(-117268)	N/A
Chr8	92241028	92241208	Chr8.77485	1rx3(-439464),1rx5(-116678)	N/A
Chr8	92253241	92253356	Chr8.77511	1rx3(-451649),1rx5(-104497)	N/A
Chr8	92286790	92287062	Chr8.77549	1rx3(-485272),1rx5(-70870)	N/A
Chr8	92335656	92335764	Chr8.77582	1rx3(-534056),1rx5(-22086)	N/A
Chr8	92336077	92336274	Chr8.77585	1rx3(-534522),1rx5(-21620)	N/A
Chr8	92353380	92353647	Chr8.77637	1rx5(-4282)	N/A
Chr8	92354200	92354719	Chr8.77644	1rx5(-3336)	N/A
Chr8	92355334	92355484	Chr8.77650	1rx5(-2367)	N/A
Chr8	92357694	92357842	Chr8.77658	1rx5(-28)	N/A
Chr8	92361325	92361489	Chr8.77691	1rx6(-312882),1rx5(+3611)	N/A
Chr8	92361746	92361904	Chr8.77693	1rx6(-312464),1rx5(+4029)	N/A
Chr8	92363018	92363129	Chr8.77702	1rx6(-311215),1rx5(+5278)	N/A
Chr8	92365616	92365822	Chr8.77714	1rx6(-308670),1rx5(+7923)	N/A
Chr8	92403631	92403870	Chr8.77719	1rx6(-270538),1rx5(+45955)	N/A
Chr8	92408066	92408725	Chr8.77765	1rx6(-265623),1rx5(+50870)	N/A
Chr8	92418467	92418708	Chr8.77796	1rx6(-255701),1rx5(+60792)	N/A
Chr8	92439696	92440122	Chr8.77818	1rx6(-234380),1rx5(+82113)	N/A
Chr8	92460521	92460912	Chr8.77848	1rx6(-213572),1rx5(+102921)	N/A
Chr8	92469347	92469684	Chr8.77857	1rx6(-204673),1rx5(+111820)	N/A
Chr8	92472345	92472716	Chr8.77865	1rx6(-201788),1rx5(+114735)	N/A
Chr8	92474811	92475029	Chr8.77870	1rx6(-199369),1rx5(+117124)	N/A
Chr8	92483738	92483846	Chr8.77890	1rx6(-190497),1rx5(+125996)	N/A
Chr8	92491810	92491971	Chr8.77903	1rx6(-182398),1rx5(+134095)	N/A
Chr8	92505783	92506122	Chr8.77914	1rx6(-168388),1rx5(+148157)	N/A
Chr8	92508173	92508282	Chr8.77917	1rx6(-168061),1rx5(+146432)	N/A
Chr8	92610695	92610839	Chr8.77983	1rx6(-63622),1rx5(-252971)	N/A
Chr8	92616609	92616744	Chr8.77998	1rx6(-57612),1rx5(-258881)	N/A
Chr8	92618630	92618936	Chr8.78001	1rx6(-57406),1rx5(-259087)	N/A
Chr8	92618566	92618707	Chr8.78010	1rx6(-55652),1rx5(+260841)	N/A
Chr8	92628985	92629538	Chr8.78017	1rx6(-45027),1rx5(-271466)	N/A
Chr8	92674562	92674880	Chr8.78102	1rx6(+432)	N/A
Chr8	92717354	92717490	Chr8.78176	Mmp2(-109906),1rx6(+43133)	N/A
Chr8	92717578	92717912	Chr8.78179	Mmp2(-109583),1rx6(+43456)	N/A
Chr8	92718109	92718210	Chr8.78183	Mmp2(-109168),1rx6(+43871)	N/A
Chr8	92721873	92722228	Chr8.78199	Mmp2(-105277),1rx6(+47762)	N/A
Chr8	92722657	92723083	Chr8.78205	Mmp2(-104588),1rx6(+49851)	N/A
Chr8	92723958	92724166	Chr8.78209	Mmp2(-103266),1rx6(+49773)	N/A

Chr8	92761960	92762319	Chr8.78254	Mmp2(-65188),Irx6(+87851)	N/A
Chr8	92762359	92762458	Chr8.78263	Mmp2(-64919),Irx6(+88120)	N/A
Chr8	92769862	92767217	Chr8.78267	Mmp2(-60288),Irx6(+92751)	N/A
Chr8	92774900	92777595	Chr8.78279	Mmp2(-49830),Irx6(+103299)	N/A
Chr8	92797610	92797885	Chr8.78293	Mmp2(-29580),Irx6(+123459)	N/A
Chr8	92801388	92801729	Chr8.78310	Mmp2(-25769),Irx6(+127270)	N/A
Chr8	92802023	92802127	Chr8.78316	Mmp2(-25253),Irx6(+127786)	N/A
Chr8	92806739	92806921	Chr8.78322	Mmp2(-20498),Irx6(+132541)	N/A
Chr8	92827308	92827447	Chr8.78338	Mmp2(-50)	N/A
Chr8	92832654	92835385	Chr8.78367	Lpcat2(-20025),Mmp2(+7997)	N/A
Chr8	92847446	92847563	Chr8.78403	Lpcat2(-7845),Mmp2(+20177)	N/A
Chr8	92850304	92850452	Chr8.78409	Lpcat2(-4972)	N/A
Chr8	92960487	92960587	Chr8.78564	Slc6a2(-510)	N/A
Chr8	93569830	93570058	Chr8.79061	Gnao1(-240986),Ces5a(-34237)	N/A
Chr8	93592021	93592168	Chr8.79091	Gnao1(-218749),Ces5a(-96388)	N/A
Chr8	93593521	93593656	Chr8.79095	Gnao1(-217251),Ces5a(-57882)	N/A
Chr8	93599887	93599989	Chr8.79101	Gnao1(-219092),Ces5a(-64231)	N/A
Chr8	93632874	93632995	Chr8.79140	Gnao1(-177905),Ces5a(-97228)	N/A
Chr8	93729440	93729585	Chr8.79224	Ces5a(-193806),Gnao1(-81327)	N/A
Chr8	93812099	93812216	Chr8.79359	Gnao1(+13118),Amfr(+200505)	N/A
Chr8	93812402	93812670	Chr8.79362	Gnao1(+1696),Amfr(+200127)	N/A
Chr8	93812803	93813350	Chr8.79368	Gnao1(+2237),Amfr(+199586)	N/A
Chr8	93813447	93813620	Chr8.79372	Gnao1(+2694),Amfr(+199129)	N/A
Chr8	93814311	93814476	Chr8.79379	Gnao1(+3554),Amfr(+198269)	N/A
Chr8	93830711	93830868	Chr8.79409	Gnao1(+19950),Amfr(+181873)	N/A
Chr8	93830911	93831054	Chr8.79414	Gnao1(+20143),Amfr(+181686)	N/A
Chr8	93839191	93839502	Chr8.79423	Gnao1(-28507),Amfr(+173316)	N/A
Chr8	93920052	93920154	Chr8.79489	Amfr(+92560),Gnao1(+109263)	N/A
Chr8	93967963	93968235	Chr8.79551	Amfr(+44564),Gnao1(+157259)	N/A
Chr8	93972924	93973071	Chr8.79564	Amfr(+39665),Gnao1(+162158)	N/A
Chr8	94123212	94123396	Chr8.79756	Ebs2(-24493),M4(-13900)	N/A
Chr8	94153897	94154012	Chr8.79789	M2(-18663),M3(+1348)	N/A
Chr8	94214490	94214591	Chr8.79823	Nup93(-13120),Mt1(+35452)	N/A
Chr8	11558006	11558130	Chr8.7985	Ing1(+2002),Ankrd10(+77686)	N/A
Chr8	94249874	94250214	Chr8.79860	Slc12a3(-79148),Nup93(+22383)	N/A
Chr8	94265026	94265156	Chr8.79897	Slc12a3(-64101),Nup93(+37430)	N/A
Chr8	94265261	94265462	Chr8.79898	Slc12a3(-63830),Nup93(+37701)	N/A
Chr8	94266128	94266406	Chr8.79908	Slc12a3(-62925),Nup93(-38606)	N/A
Chr8	11558176	11558346	Chr8.7991	Ing1(+2195),Ankrd10(+77493)	N/A
Chr8	94266443	94266891	Chr8.79911	Slc12a3(-62525),Nup93(+39006)	N/A
Chr8	94267102	94267379	Chr8.79915	Slc12a3(-61951),Nup93(+39580)	N/A
Chr8	94268219	94268355	Chr8.79924	Slc12a3(-60905),Nup93(+40626)	N/A
Chr8	94268412	94268689	Chr8.79926	Slc12a3(-60551),Nup93(+40980)	N/A
Chr8	94269460	94269705	Chr8.79931	Slc12a3(-59609),Nup93(+41922)	N/A
Chr8	94271687	94271786	Chr8.79941	Slc12a3(-57454),Nup93(+44077)	N/A
Chr8	94271973	94272153	Chr8.79944	Slc12a3(-57129),Nup93(+44402)	N/A
Chr8	94292335	94292482	Chr8.79960	Slc12a3(-36783),Nup93(+64748)	N/A
Chr8	94296014	94296238	Chr8.79998	Slc12a3(-33066),Nup93(+68450)	N/A
Chr8	94318280	94318408	Chr8.80073	Slc12a3(-10848),Nup93(+90683)	N/A
Chr8	94544053	94544218	Chr8.80475	Cpne2(+11146),Fam192a(+57590)	N/A
Chr8	94551879	94551988	Chr8.80502	Cpne2(+18944),Fam192a(+49792)	N/A
Chr8	94561392	94561493	Chr8.80531	Cpne2(+28453),Fam192a(+40283)	N/A
Chr8	94570315	94570414	Chr8.80557	Fam192a(+31361),Cpne2(+37379)	N/A
Chr8	94572109	94572210	Chr8.80562	Fam192a(+2967),Cpne2(+39169)	N/A
Chr8	94601755	94602055	Chr8.80619	Fam192a(-179),Rapry1(-50)	N/A
Chr8	94602341	94602444	Chr8.80632	Fam192a(-667),Rapry1(+438)	N/A
Chr8	94678732	94678909	Chr8.80748	Ar12bp(-12066),Plip1(-17421)	N/A
Chr8	94852355	94852476	Chr8.80883	Clapin1(-14058),Polr2c(-5034)	N/A
Chr8	94869174	94869194	Chr8.80961	Dok4(-7178),Polr2c(+11684)	N/A
Chr8	94893032	94893135	Chr8.80978	Dok4(-16772),Cdc102a(+25014)	N/A
Chr8	94916685	94916858	Chr8.81046	Dok4(-40460),Cdc102a(+1326)	N/A
Chr8	94994183	94994293	Chr8.81118	Adgrg3(-23454),Adgrg1(+17129)	N/A
Chr8	11779215	11779345	Chr8.81114	Tex29(-61194),Arhgef7(+51175)	N/A
Chr8	95081040	95081312	Chr8.81380	Katn9(-125)	N/A
Chr8	95129186	95129367	Chr8.81567	Klfc3(-13263),Katn9(-48076)	N/A
Chr8	95200601	95200205	Chr8.81628	Klfc3(-63593),Cngb1(+78048)	N/A
Chr8	95275551	95275682	Chr8.81726	Klfc3(-133077),Cngb1(+8564)	N/A
Chr8	95290978	95291091	Chr8.81746	Cngb1(-6854),Cngb1(+15550)	N/A
Chr8	11826668	11826828	Chr8.81778	Tex29(-13726),Arhgef7(+98643)	N/A
Chr8	95330653	95330768	Chr8.81837	Ubp1(-1574),Zfp319(+1232)	N/A
Chr8	11826862	11827007	Chr8.8185	Tex29(-13539),Arhgef7(+98830)	N/A
Chr8	95354011	95354126	Chr8.81884	Mmp15(+1801),Clap20(+80800)	N/A
Chr8	95378023	95378139	Chr8.81961	Mmp15(+25813),Clap20(+56788)	N/A
Chr8	95392791	95392911	Chr8.81964	Mmp15(+40583),Clap20(+42018)	N/A
Chr8	95427108	95427271	Chr8.81996	Clap20(+7679),Mmp15(+74922)	N/A
Chr8	95429894	95430017	Chr8.82001	Clap20(+4913),Mmp15(+7668)	N/A
Chr8	95430096	95430206	Chr8.82005	Clap20(+4718),Mmp15(+77883)	N/A
Chr8	95432997	95433109	Chr8.82008	Clap20(+1816),Mmp15(+80785)	N/A
Chr8	11886172	11886340	Chr8.8217	A23007206nk(-392563),Tex29(+45782)	N/A
Chr8	11912308	11912464	Chr8.8228	A23007206nk(-366433),Tex29(+71912)	N/A
Chr8	11914406	11914671	Chr8.8233	A23007206nk(-364280),Tex29(+74065)	N/A
Chr8	95809645	95809780	Chr8.82402	Cnot1(+759)	N/A
Chr8	95807329	95807543	Chr8.82404	Cnot1(+26)	N/A
Chr8	95807586	95807806	Chr8.82406	Cnot1(-235)	N/A
Chr8	95934130	95934364	Chr8.82523	Gat2(-45700)	N/A
Chr8	95974491	95974763	Chr8.82552	Gat2(-86080)	N/A
Chr8	95987225	95987363	Chr8.82579	Gat2(-98732)	N/A
Chr8	96079828	96080027	Chr8.82665	Gat2(-191381)	N/A
Chr8	96362737	96363085	Chr8.83004	Gat2(-474364)	N/A
Chr8	96363117	96363227	Chr8.83007	Gat2(-474625)	N/A
Chr8	12050980	12051181	Chr8.8326	A23007206nk(-227738),Tex29(+210607)	N/A
Chr8	97251257	97251371	Chr8.83721	None	N/A
Chr8	12105620	12105840	Chr8.8375	A23007206nk(-173089),Tex29(+265256)	N/A
Chr8	12112795	12112992	Chr8.8380	A23007206nk(-165925),Tex29(+272420)	N/A
Chr8	12126448	12127090	Chr8.8382	A23007206nk(-152050),Tex29(+286295)	N/A
Chr8	97389456	97389736	Chr8.83837	None	N/A
Chr8	12127627	12127778	Chr8.8388	A23007206nk(-151116),Tex29(+287229)	N/A
Chr8	12137548	12137649	Chr8.8394	A23007206nk(-141220),Tex29(+297125)	N/A
Chr8	97986047	97986205	Chr8.84359	None	N/A
Chr8	97986246	97986387	Chr8.84363	None	N/A
Chr8	12173858	12173974	Chr8.8437	A23007206nk(-104903),Tex29(+333442)	N/A
Chr8	12214315	12214629	Chr8.8483	A23007206nk(-64347),Tex29(+373998)	N/A
Chr8	98752505	98752619	Chr8.84895	Cdh8(+663909)	N/A
Chr8	12238783	12238971	Chr8.8493	A23007206nk(-39942),Tex29(+398403)	N/A
Chr8	99001187	99001357	Chr8.85047	Cdh8(+415199)	N/A
Chr8	12278712	12278943	Chr8.8519	A23007206nk(+9)	N/A
Chr8	99162941	99163115	Chr8.85201	Cdh8(+253443)	N/A
Chr8	12282313	12282468	Chr8.8529	Sax1(-112904),A23007206nk(+3572)	N/A
Chr8	12315532	12315640	Chr8.8560	Sax1(-78709),A23007206nk(-36767)	N/A
Chr8	12323274	12323441	Chr8.8567	Sax1(-71837),A23007206nk(+44539)	N/A
Chr8	12324670	12324945	Chr8.8572	Sax1(-70487),A23007206nk(+45989)	N/A
Chr8	12325058	12325421	Chr8.8577	Sax1(-70055),A23007206nk(+46421)	N/A
Chr8	99650583	99651015	Chr8.85794	A33000817nk(+234157)	N/A
Chr8	99681791	99681986	Chr8.85827	A33000817nk(+265247)	N/A
Chr8	12386514	12386619	Chr8.8625	Sax1(-8728),A23007206nk(+107748)	N/A
Chr8	100206707	10020834	Chr8.86329	A33000817nk(+790129)	N/A
Chr8	12397741	12397874	Chr8.8663	Spaca7(-175241),Sax1(+2513)	N/A
Chr8	12398973	12399196	Chr8.8667	Spaca7(-173964),Sax1(+3790)	N/A
Chr8	12403003	12403329	Chr8.8679	Spaca7(-169883),Sax1(+7871)	N/A
Chr8	100865811	100865976	Chr8.86860	None	N/A
Chr8	10094956	100950585	Chr8.86911	None	N/A
Chr8	12430063	12430473	Chr8.8695	Spaca7(-142781),Sax1(+34973)	N/A
Chr8	12431336	12431498	Chr8.8697	Spaca7(-141632),Sax1(+36122)	N/A
Chr8	12432625	12432828	Chr8.8699	Spaca7(-140272),Sax1(+37482)	N/A
Chr8	101298653	101298862	Chr8.87089	None	N/A
Chr8	12440865	12446188	Chr8.8710	Spaca7(-126912),Sax1(+50842)	N/A
Chr8	101670590	101670740	Chr8.87262	None	N/A
Chr8	101777107	101777231	Chr8.87342	None	N/A
Chr8	12478109	12478458	Chr8.8739	Spaca7(-94765),Sax1(+82989)	N/A
Chr8	102053595	102053709	Chr8.87482	Cdh11(+731459)	N/A
Chr8	102491108	102491246	Chr8.87805	Cdh11(+293934)	N/A
Chr8	102502903	102503024	Chr8.87819	Cdh11(+282147)	N/A
Chr8	102553451	102553949	Chr8.87840	Cdh11(+231411)	N/A
Chr8	102575141	102575249	Chr8.87861	Cdh11(+209916)	N/A
Chr8	102698132	102698289	Chr8.88107	Cdh11(+86900)	N/A
Chr8	102698541	102698670	Chr8.88112	Cdh11(+86505)	N/A
Chr8	10270272	102707389	Chr8.88123	Cdh11(+77780)	N/A
Chr8	102735560	102738705	Chr8.88167	Cdh11(+46478)	N/A

Chr8	102742200	102742379	Chr8.88180	Cdh11(+42821)	N/A
Chr8	102779926	102780099	Chr8.88231	Cdh11(+5098)	N/A
Chr8	102780891	102781222	Chr8.88243	Cdh11(+4054)	N/A
Chr8	102782009	102782183	Chr8.88246	Cdh11(+3015)	N/A
Chr8	102782353	102782476	Chr8.88248	Cdh11(+2696)	N/A
Chr8	102852379	102852500	Chr8.88348	Cdh11(-67329),Gm8730(+13413)	N/A
Chr8	102928650	102928773	Chr8.88409	Gm8730(-62859)	N/A
Chr8	102928826	102928970	Chr8.88411	Gm8730(-63045)	N/A
Chr8	102931453	102931808	Chr8.88417	Gm8730(-65763)	N/A
Chr8	102978104	102978337	Chr8.88444	Gm8730(-110368)	N/A
Chr8	102976479	102976582	Chr8.88448	Gm8730(-110678)	N/A
Chr8	102978269	102978552	Chr8.88451	Gm8730(-112558)	N/A
Chr8	102983576	102983681	Chr8.88461	Gm8730(-117776)	N/A
Chr8	102983842	102984035	Chr8.88463	Gm8730(-118086)	N/A
Chr8	103019244	103019761	Chr8.88495	Gm8730(-153850)	N/A
Chr8	103072347	103072470	Chr8.88552	Gm8730(-206556)	N/A
Chr8	103152558	103152680	Chr8.88664	Cdh5(-949006),Gm8730(-286766)	N/A
Chr8	103166825	103167020	Chr8.88685	Cdh5(-934702),Gm8730(-301070)	N/A
Chr8	103195605	103195862	Chr8.88745	Cdh5(-905891),Gm8730(-329881)	N/A
Chr8	103240000	103246190	Chr8.88816	Cdh5(-652030),Gm8730(-360242)	N/A
Chr8	103271129	103271257	Chr8.88832	Cdh5(-630432),Gm8730(-403340)	N/A
Chr8	103271287	103271453	Chr8.88835	Cdh5(-630255),Gm8730(-405517)	N/A
Chr8	103272750	103273048	Chr8.88840	Cdh5(-628726),Gm8730(-407046)	N/A
Chr8	103288507	103288874	Chr8.88854	Cdh5(-812934),Gm8730(-422838)	N/A
Chr8	103293132	103293247	Chr8.88858	Cdh5(-808435),Gm8730(-427337)	N/A
Chr8	103293494	103293642	Chr8.88860	Cdh5(-808517),Gm8730(-427715)	N/A
Chr8	103314712	103314946	Chr8.88872	Cdh5(-786796),Gm8730(-446976)	N/A
Chr8	103315899	103316043	Chr8.88878	Cdh5(-785654),Gm8730(-450118)	N/A
Chr8	103339144	103339356	Chr8.88905	Cdh5(-762375),Gm8730(-473397)	N/A
Chr8	103353657	103353875	Chr8.88920	Cdh5(-747859),Gm8730(-487913)	N/A
Chr8	103361768	103361905	Chr8.88932	Cdh5(-739788),Gm8730(-495984)	N/A
Chr8	103373468	103373695	Chr8.88949	Cdh5(-728043),Gm8730(-507729)	N/A
Chr8	103378903	103379037	Chr8.88959	Cdh5(-722855),Gm8730(-513117)	N/A
Chr8	103400242	103400511	Chr8.88983	Cdh5(-701248),Gm8730(-534524)	N/A
Chr8	103405594	103405798	Chr8.88989	Cdh5(-695929),Gm8730(-539643)	N/A
Chr8	103409099	103409204	Chr8.88998	Cdh5(-692473),Gm8730(-543299)	N/A
Chr8	103414203	103414376	Chr8.89008	Cdh5(-687335),Gm8730(-548437)	N/A
Chr8	103427082	103427299	Chr8.89024	Cdh5(-674434),Gm8730(-561338)	N/A
Chr8	103431047	103431253	Chr8.89030	Cdh5(-670475),Gm8730(-565297)	N/A
Chr8	103442825	103443070	Chr8.89048	Cdh5(-658677),Gm8730(-577095)	N/A
Chr8	103450107	103450306	Chr8.89061	Cdh5(-651418),Gm8730(-584354)	N/A
Chr8	103451417	103451723	Chr8.89067	Cdh5(-650050),Gm8730(-585717)	N/A
Chr8	103463571	103463678	Chr8.89080	Cdh5(-638000),Gm8730(-597772)	N/A
Chr8	103493326	103493696	Chr8.89134	Gm8730(-627658),Cdh5(-608114)	N/A
Chr8	103521102	103521321	Chr8.89175	Gm8730(-655359),Cdh5(-580413)	N/A
Chr8	103582467	103582979	Chr8.89221	Gm8730(-716870),Cdh5(-518902)	N/A
Chr8	103694570	103694887	Chr8.89302	Gm8730(-628776),Cdh5(-406996)	N/A
Chr8	103741466	103741634	Chr8.89350	Gm8730(-675697),Cdh5(-360729)	N/A
Chr8	103779480	103779607	Chr8.89376	Gm8730(-913691),Cdh5(-322081)	N/A
Chr8	103779762	103779899	Chr8.89381	Gm8730(-913978),Cdh5(-321794)	N/A
Chr8	103785785	103785986	Chr8.89387	Gm8730(-920033),Cdh5(-315739)	N/A
Chr8	103787789	103787988	Chr8.89390	Gm8730(-922036),Cdh5(-313736)	N/A
Chr8	103810677	103810848	Chr8.89394	Gm8730(-944910),Cdh5(-290862)	N/A
Chr8	103814016	103814240	Chr8.89397	Gm8730(-948275),Cdh5(-287497)	N/A
Chr8	103824589	103824747	Chr8.89409	Gm8730(-958815),Cdh5(-276657)	N/A
Chr8	103841006	103841114	Chr8.89427	Gm8730(-975207),Cdh5(-260565)	N/A
Chr8	103862318	103862554	Chr8.89457	Gm8730(-996583),Cdh5(-239189)	N/A
Chr8	103874516	103874676	Chr8.89472	Cdh5(-227029)	N/A
Chr8	103894751	103894875	Chr8.89494	Cdh5(-206812)	N/A
Chr8	103913673	103913886	Chr8.89514	Cdh5(-187840)	N/A
Chr8	103938727	103938920	Chr8.89542	Cdh5(-162801)	N/A
Chr8	104062026	104062180	Chr8.89637	Cdh5(-39522)	N/A
Chr8	104385885	104385984	Chr8.89924	Cntm4(+9872),Cntm3(+45341)	N/A
Chr8	104386362	104386532	Chr8.89926	Cntm4(+9350),Cntm3(+45863)	N/A
Chr8	104394703	104394839	Chr8.89931	Cntm4(+1036),Cntm3(+54177)	N/A
Chr8	104405632	104405820	Chr8.89935	Cntm4(-9919),Dync1i12(+37321)	N/A
Chr8	104436077	104436216	Chr8.90003	Cntm4(-40340),Dync1i12(+6900)	N/A
Chr8	104550228	104550328	Chr8.90168	Pdp2(-41190),Car7(+9471)	N/A
Chr8	104606423	104606564	Chr8.90250	Pdp2(+52026),Cdh16(+17902)	N/A
Chr8	12861522	12861754	Chr8.9038	Mrp2(-54255),Atp11a(+104622)	N/A
Chr8	105164678	105164851	Chr8.91125	Ctcf(-5909),Ces4a(+32965)	N/A
Chr8	105171459	105171577	Chr8.91137	Ctcf(+844)	N/A
Chr8	105209983	105210091	Chr8.91160	Ctcf(+39363),B3gntf9(+45116)	N/A
Chr8	105252338	105252470	Chr8.91220	B3gntf9(+2749),Ctcf(+81730)	N/A
Chr8	105252836	105252944	Chr8.91225	B3gntf9(+2263),Ctcf(+82216)	N/A
Chr8	105281543	105281700	Chr8.91384	Nad3(+5175),493142B04nik(+7906)	N/A
Chr8	105289190	105289298	Chr8.91433	493142B04nik(+284)	N/A
Chr8	105305217	105305369	Chr8.91538	Elmo3(-308)	N/A
Chr8	105326143	105326300	Chr8.91669	Tmem208(-132),Lmc29(+54)	N/A
Chr8	105339144	105339282	Chr8.91766	Flhod1(+8740),Tmem208(+12859)	N/A
Chr8	105345595	105345803	Chr8.91779	Slc9a5(-2509),Flhod1(+12204)	N/A
Chr8	105346668	105346769	Chr8.91782	Slc9a5(-1539),Flhod1(+12234)	N/A
Chr8	105350324	105350526	Chr8.91800	Flhod1(-2472),Slc9a5(+2167)	N/A
Chr8	105372507	105372630	Chr8.91865	Plekhh4(-2812)	N/A
Chr8	105394211	105394407	Chr8.91999	Plekhh4(+18928),Kctd19(+19193)	N/A
Chr8	105463548	105463678	Chr8.92083	Tppp3(+57877),Lrrc36(+49991)	N/A
Chr8	105469052	105469191	Chr8.92114	Tppp3(-289)	N/A
Chr8	105469238	105469529	Chr8.92115	Tppp3(+26)	N/A
Chr8	105471203	105471522	Chr8.92126	Tppp3(-1953)	N/A
Chr8	105474369	105474543	Chr8.92144	Tppp3(-5046),Zdhc1(+9894)	N/A
Chr8	105475317	105475534	Chr8.92147	Tppp3(-6016),Zdhc1(+8924)	N/A
Chr8	105508317	105508786	Chr8.92185	Zdhc1(-24202),Hsd11b2(-10194)	N/A
Chr8	105509092	105509293	Chr8.92197	Zdhc1(-24643),Hsd11b2(-955)	N/A
Chr8	105510496	105510760	Chr8.92205	Zdhc1(-26878),Hsd11b2(-8118)	N/A
Chr8	105516392	105516515	Chr8.92211	Hsd11b2(-2292)	N/A
Chr8	105517764	105517868	Chr8.92214	Hsd11b2(-930)	N/A
Chr8	105527185	105527338	Chr8.92284	Hsd11b2(+8516),AlpbvOd1(+38785)	N/A
Chr8	105528899	105529018	Chr8.92292	Hsd11b2(+10208),AlpbvOd1(+37939)	N/A
Chr8	105529398	105529566	Chr8.92297	Hsd11b2(+10738),AlpbvOd1(+36565)	N/A
Chr8	105533790	105533977	Chr8.92313	Hsd11b2(+15138),AlpbvOd1(+32163)	N/A
Chr8	105544674	105545094	Chr8.92333	AlpbvOd1(+21163),Hsd11b2(+26138)	N/A
Chr8	105547157	105547276	Chr8.92354	AlpbvOd1(+18830),Hsd11b2(+28471)	N/A
Chr8	105594973	105595078	Chr8.92404	Agpr(-26728),Ripor1(-10203)	N/A
Chr8	105624508	105624629	Chr8.92508	Ctcf(-12010),Ripor1(+19340)	N/A
Chr8	105637846	105638099	Chr8.92513	Carmil2(-52933),Ctcf(+1394)	N/A
Chr8	105682034	105682325	Chr8.92551	Carmil2(-8726),Ctcf(+45601)	N/A
Chr8	105701472	105701634	Chr8.92682	Acd(-458),Pard6a(-94)	N/A
Chr8	105770482	105770706	Chr8.92843	Glod2(-11930),Ranbp10(+56756)	N/A
Chr8	105794199	105794314	Chr8.92891	Glod2(-35593),Ranbp10(+33093)	N/A
Chr8	105825483	105825756	Chr8.92905	Tsnaxip1(-2124),Ranbp10(+1730)	N/A
Chr8	105856447	105856681	Chr8.93027	Cenpl(-4556),Nuff2(-4070)	N/A
Chr8	105856800	105856975	Chr8.93033	Cenpl(-4880),Nuff2(-3746)	N/A
Chr8	105860315	105860550	Chr8.93037	Nuff2(-201)	N/A
Chr8	105860589	105860736	Chr8.93044	Nuff2(+30)	N/A
Chr8	105880418	105880418	Chr8.93067	Edc4(-424)	N/A
Chr8	105880833	105880932	Chr8.93069	Edc4(-468)	N/A
Chr8	105931004	105931122	Chr8.93258	Ctcf(+2799),Pskh1(+30622)	N/A
Chr8	105943348	105943500	Chr8.93392	Lcal(-42)	N/A
Chr8	105964372	105964579	Chr8.93507	Lcal(-21094),Slc12a4(+1639)	N/A
Chr8	106056059	106056219	Chr8.93717	Nfatc3(-3464)	N/A
Chr8	106060173	106060298	Chr8.93727	Nfatc3(+633)	N/A
Chr8	106060647	106060811	Chr8.93730	Nfatc3(+1126),Esp2(+76245)	N/A
Chr8	106069658	106069929	Chr8.93733	Nfatc3(+10191),Esp2(+67180)	N/A
Chr8	106135257	106135503	Chr8.93841	Esp2(+1594),Nfatc3(+75777)	N/A
Chr8	106135855	106135965	Chr8.93844	Esp2(+1064),Nfatc3(+76307)	N/A
Chr8	106268940	106269065	Chr8.94185	Prrm7(+58067),Smpd3(+68965)	N/A
Chr8	106270994	106271094	Chr8.94190	Prrm7(+60108),Smpd3(+66944)	N/A
Chr8	106272593	106272694	Chr8.94193	Prrm7(+61708),Smpd3(+65344)	N/A
Chr8	106292032	106292538	Chr8.94218	Smpd3(+45703),Prrm7(+81349)	N/A
Chr8	106292681	106292829	Chr8.94227	Smpd3(+45233),Prrm7(+81819)	N/A
Chr8	106303062	106303121	Chr8.94241	Smpd3(+36951),Prrm7(+90101)	N/A
Chr8	106337887	106337837	Chr8.94341	Smpd3(-226)	N/A
Chr8	106338194	106338307	Chr8.94350	Smpd3(-263)	N/A
Chr8	106400243	106400408	Chr8.94396	Smpd3(-62338),Zfp90(-15013)	N/A
Chr8	106401688	106401812	Chr8.94399	Smpd3(-63762),Zfp90(-13589)	N/A
Chr8	106405446	106405755	Chr8.94407	Smpd3(-67613),Zfp90(-9738)	N/A
Chr8	106507945	106507945	Chr8.94458	Cdh3(-3018)	N/A
Chr8	106511675	106511926	Chr8.94464	Cdh3(+888)	N/A

Chr8	106512505	106512762	Chr8.94466	Cdh3(+1721),Gm10073(+60827)	N/A
Chr8	106512802	106513044	Chr8.94468	Cdh3(+2010),Gm10073(+60538)	N/A
Chr8	106520687	106520790	Chr8.94479	Cdh3(+9629),Gm10073(+52722)	N/A
Chr8	106521999	106522127	Chr8.94483	Cdh3(+11150),Gm10073(+51369)	N/A
Chr8	106614795	106614985	Chr8.94645	Tango6(-68178),Cdh1(+11539)	N/A
Chr8	106623217	106623380	Chr8.94652	Tango6(-59769),Cdh1(+19948)	N/A
Chr8	106631456	106631625	Chr8.94656	Tango6(-51527),Cdh1(+28190)	N/A
Chr8	106637173	106637314	Chr8.94667	Tango6(-45824),Cdh1(+33893)	N/A
Chr8	106704746	106704974	Chr8.94880	Has3(-165362),Tango6(+21792)	N/A
Chr8	106714356	106714598	Chr8.94890	Has3(-155765),Tango6(+31409)	N/A
Chr8	106721061	106721193	Chr8.94911	Has3(-149115),Tango6(+38059)	N/A
Chr8	106727295	106727532	Chr8.94922	Has3(-142828),Tango6(+44346)	N/A
Chr8	106727565	106727666	Chr8.94925	Has3(-142626),Tango6(+44548)	N/A
Chr8	106733134	106733359	Chr8.94929	Has3(-138995),Tango6(+50179)	N/A
Chr8	106733408	106733523	Chr8.94931	Has3(-136776),Tango6(+60396)	N/A
Chr8	106749048	106749331	Chr8.94967	Has3(-121052),Tango6(+66122)	N/A
Chr8	106751126	106751408	Chr8.94961	Has3(-118975),Tango6(+68199)	N/A
Chr8	106761968	106762261	Chr8.94971	Has3(-108127),Tango6(+79047)	N/A
Chr8	106816342	106816495	Chr8.95015	Has3(-53823),Tango6(+133351)	N/A
Chr8	106816606	106816941	Chr8.95017	Has3(-53468),Tango6(+133706)	N/A
Chr8	106821614	106821760	Chr8.95032	Has3(-48550),Tango6(+138619)	N/A
Chr8	106839954	106840079	Chr8.95040	Has3(-30225),Tango6(+156949)	N/A
Chr8	106845397	106845512	Chr8.95044	Has3(-24787),Tango6(+162387)	N/A
Chr8	106870145	106870288	Chr8.95086	Has3(-25)	N/A
Chr8	106886800	106887125	Chr8.95148	Chf8(+6630),Has3(+16721)	N/A
Chr8	106892037	106892411	Chr8.95153	Utp4(+1416),Chf8(+1369)	N/A
Chr8	106924980	106925116	Chr8.95225	Sntb2(-10702),Utp4(+31408)	N/A
Chr8	106929147	106929450	Chr8.95226	Sntb2(-6451),Utp4(+35659)	N/A
Chr8	106929651	106929919	Chr8.95231	Sntb2(-5965),Utp4(+36145)	N/A
Chr8	106932481	106932778	Chr8.95244	Sntb2(-3120)	N/A
Chr8	106936763	106936999	Chr8.95257	Vps4a(-94541),Sntb2(+1131)	N/A
Chr8	106944552	106944996	Chr8.95269	Vps4a(-86298),Sntb2(+9174)	N/A
Chr8	106971968	106972132	Chr8.95275	Vps4a(-59172),Sntb2(+36300)	N/A
Chr8	106979061	106979192	Chr8.95283	Vps4a(-52095),Sntb2(+43377)	N/A
Chr8	107069509	107069711	Chr8.95503	Tmed6(-3966)	N/A
Chr8	107070120	107070263	Chr8.95512	Tmed6(-4548)	N/A
Chr8	107129187	107129444	Chr8.95581	Cyb5b(-21340),C63005024nk(+10211)	N/A
Chr8	107129544	107129785	Chr8.95582	Cyb5b(-20996),C63005024nk(+10555)	N/A
Chr8	107136199	107136626	Chr8.95592	Cyb5b(-14248),C63005024nk(+17303)	N/A
Chr8	107198007	107198198	Chr8.95649	Cyb5b(+47442),Rps18-ps3(+65145)	N/A
Chr8	107198675	107198808	Chr8.95653	Cyb5b(+48081),Rps18-ps3(+64506)	N/A
Chr8	107206302	107206512	Chr8.95654	Cyb5b(+56746),Rps18-ps3(+56641)	N/A
Chr8	107207111	107207239	Chr8.95660	Rps18-ps3(+56073),Cyb5b(+56614)	N/A
Chr8	107226436	107226557	Chr8.95663	Rps18-ps3(+36751),Cyb5b(+75836)	N/A
Chr8	107238348	107238487	Chr8.95668	Rps18-ps3(+24830),Cyb5b(+87757)	N/A
Chr8	107244496	107244679	Chr8.95672	Rps18-ps3(+18660),Cyb5b(+93927)	N/A
Chr8	107244731	107244860	Chr8.95675	Rps18-ps3(+18453),Cyb5b(+94135)	N/A
Chr8	107244892	107245096	Chr8.95678	Rps18-ps3(+16254),Cyb5b(+94333)	N/A
Chr8	107245538	107245666	Chr8.95680	Rps18-ps3(+17546),Cyb5b(+94941)	N/A
Chr8	107248564	107248667	Chr8.95686	Rps18-ps3(+14632),Cyb5b(+97955)	N/A
Chr8	107251765	107251914	Chr8.95693	Rps18-ps3(+11408),Cyb5b(+101179)	N/A
Chr8	107255311	107255427	Chr8.95696	Rps18-ps3(+7879),Cyb5b(+104708)	N/A
Chr8	107268311	107268554	Chr8.95708	Nfat5(-25037),Rps18-ps3(-5185)	N/A
Chr8	107291682	107291825	Chr8.95737	Nfat5(-1716)	N/A
Chr8	107292079	107292256	Chr8.95740	Nfat5(-1302)	N/A
Chr8	107295224	107295386	Chr8.95757	Nfat5(-1835),Nqo1(+107901)	N/A
Chr8	107295497	107295803	Chr8.95759	Nfat5(-2180),Nqo1(+107556)	N/A
Chr8	107436905	107437054	Chr8.95988	Wwp2(+582)	N/A
Chr8	107456483	107456649	Chr8.96007	Rps26-ps1(-18848),Pamd7(+130049)	N/A
Chr8	107468908	107469012	Chr8.96018	Rps26-ps1(-29375),Pamd7(+119522)	N/A
Chr8	107472876	107473074	Chr8.96027	Rps26-ps1(-33390),Pamd7(+115507)	N/A
Chr8	107495548	107495690	Chr8.96048	Rps26-ps1(-56034),Pamd7(+92863)	N/A
Chr8	107499181	107499181	Chr8.96054	Rps26-ps1(-59520),Pamd7(+89377)	N/A
Chr8	107502923	107503143	Chr8.96061	Rps26-ps1(-63483),Pamd7(+85414)	N/A
Chr8	107503467	107503619	Chr8.96065	Rps26-ps1(-63958),Pamd7(+84939)	N/A
Chr8	107503934	107504081	Chr8.96067	Rps26-ps1(-64423),Pamd7(+84474)	N/A
Chr8	107505932	107506118	Chr8.96069	Rps26-ps1(-66440),Pamd7(+82457)	N/A
Chr8	107519824	107520099	Chr8.96092	Rps26-ps1(-80377),Pamd7(+68520)	N/A
Chr8	107522616	107522770	Chr8.96101	Rps26-ps1(-83108),Pamd7(+65789)	N/A
Chr8	107541414	107541606	Chr8.96130	Rps26-ps1(-101925),Pamd7(+46872)	N/A
Chr8	107542227	107542382	Chr8.96133	Rps26-ps1(-102716),Pamd7(+16167)	N/A
Chr8	107544207	107544343	Chr8.96135	Rps26-ps1(-104690),Pamd7(+44207)	N/A
Chr8	107544460	107544578	Chr8.96142	Rps26-ps1(-104934),Pamd7(+43963)	N/A
Chr8	107544950	107545105	Chr8.96147	Rps26-ps1(-105443),Pamd7(+43454)	N/A
Chr8	107551212	107551381	Chr8.96171	Rps26-ps1(-111712),Pamd7(+37185)	N/A
Chr8	107551562	107553410	Chr8.96178	Rps26-ps1(-113701),Pamd7(+35196)	N/A
Chr8	107598788	107598904	Chr8.96240	Pamd7(-10364)	N/A
Chr8	107598937	107599118	Chr8.96241	Pamd7(-10546)	N/A
Chr8	107602438	107602578	Chr8.96247	Pamd7(-14026)	N/A
Chr8	107608373	107608528	Chr8.96271	Pamd7(-19969)	N/A
Chr8	107608739	107608973	Chr8.96275	Pamd7(-20374)	N/A
Chr8	107609007	107609107	Chr8.96276	Pamd7(-20575)	N/A
Chr8	107610785	107610989	Chr8.96285	Pamd7(-22405)	N/A
Chr8	107613464	107613659	Chr8.96293	Pamd7(-25080)	N/A
Chr8	107672427	107672609	Chr8.96368	Pamd7(-84036)	N/A
Chr8	107684737	107685241	Chr8.96381	Pamd7(-96507)	N/A
Chr8	10769145	107691550	Chr8.96398	Pamd7(-108668)	N/A
Chr8	107696662	107696851	Chr8.96404	Pamd7(-108275)	N/A
Chr8	107699001	107699108	Chr8.96410	Pamd7(-110573)	N/A
Chr8	107699585	107699763	Chr8.96416	Pamd7(-111192)	N/A
Chr8	107777216	107777352	Chr8.96484	Zfx3(-937360),Pamd7(-188802)	N/A
Chr8	107777385	107777167	Chr8.96485	Zfx3(-937068),Pamd7(-189094)	N/A
Chr8	107780569	107780714	Chr8.96509	Zfx3(-634032),Pamd7(-192160)	N/A
Chr8	107816442	107816591	Chr8.96552	Zfx3(-808127),Pamd7(-228035)	N/A
Chr8	107816636	107816770	Chr8.96555	Zfx3(-897941),Pamd7(-228221)	N/A
Chr8	107816989	107817092	Chr8.96562	Zfx3(-897603),Pamd7(-228559)	N/A
Chr8	107817196	107817385	Chr8.96565	Zfx3(-897233),Pamd7(-228909)	N/A
Chr8	107820256	107820394	Chr8.96584	Zfx3(-894319),Pamd7(-231843)	N/A
Chr8	107820534	107820655	Chr8.96585	Zfx3(-894049),Pamd7(-232113)	N/A
Chr8	107820691	107820790	Chr8.96586	Zfx3(-893903),Pamd7(-232259)	N/A
Chr8	107820906	107821028	Chr8.96588	Zfx3(-893677),Pamd7(-232485)	N/A
Chr8	107823900	107824172	Chr8.96594	Zfx3(-890608),Pamd7(-235554)	N/A
Chr8	107824765	107825084	Chr8.96601	Zfx3(-889719),Pamd7(-236443)	N/A
Chr8	107827768	107828110	Chr8.96606	Zfx3(-886705),Pamd7(-239457)	N/A
Chr8	107831178	107831279	Chr8.96611	Zfx3(-883415),Pamd7(-242747)	N/A
Chr8	107833531	107834144	Chr8.96619	Zfx3(-880806),Pamd7(-245356)	N/A
Chr8	107851153	107851563	Chr8.96627	Zfx3(-863286),Pamd7(-262876)	N/A
Chr8	107851613	107851713	Chr8.96632	Zfx3(-862981),Pamd7(-263181)	N/A
Chr8	107852456	107852604	Chr8.96636	Zfx3(-861964),Pamd7(-264198)	N/A
Chr8	107852933	107853069	Chr8.96641	Zfx3(-861643),Pamd7(-264519)	N/A
Chr8	107860150	107860650	Chr8.96645	Zfx3(-854244),Pamd7(-271918)	N/A
Chr8	107864982	107865461	Chr8.96659	Zfx3(-849422),Pamd7(-276740)	N/A
Chr8	107867792	107867917	Chr8.96669	Zfx3(-846789),Pamd7(-279373)	N/A
Chr8	107871696	107872446	Chr8.96677	Zfx3(-842577),Pamd7(-283585)	N/A
Chr8	107883271	107883501	Chr8.96698	Zfx3(-831258),Pamd7(-294949)	N/A
Chr8	107883560	107883845	Chr8.96703	Zfx3(-830041),Pamd7(-295521)	N/A
Chr8	107886025	107886217	Chr8.96706	Zfx3(-828523),Pamd7(-297639)	N/A
Chr8	107887443	107887617	Chr8.96712	Zfx3(-827114),Pamd7(-299048)	N/A
Chr8	107887780	107887938	Chr8.96715	Zfx3(-826785),Pamd7(-299377)	N/A
Chr8	107889625	107889639	Chr8.96723	Zfx3(-826866),Pamd7(-300496)	N/A
Chr8	107891066	107891194	Chr8.96727	Zfx3(-823514),Pamd7(-302648)	N/A
Chr8	107929518	107929726	Chr8.96772	Zfx3(-785022),Pamd7(-341140)	N/A
Chr8	107939475	107939608	Chr8.96783	Zfx3(-775102),Pamd7(-351060)	N/A
Chr8	107940496	107940595	Chr8.96785	Zfx3(-774098),Pamd7(-352064)	N/A
Chr8	107941509	107941773	Chr8.96793	Zfx3(-773003),Pamd7(-353159)	N/A
Chr8	107941996	107942152	Chr8.96799	Zfx3(-772570),Pamd7(-353592)	N/A
Chr8	107942184	107942293	Chr8.96801	Zfx3(-772405),Pamd7(-353757)	N/A
Chr8	107942367	107942536	Chr8.96804	Zfx3(-772192),Pamd7(-353970)	N/A
Chr8	107942851	107943053	Chr8.96808	Zfx3(-771692),Pamd7(-354470)	N/A
Chr8	107943171	107943301	Chr8.96809	Zfx3(-771408),Pamd7(-354754)	N/A
Chr8	107943376	107943666	Chr8.96810	Zfx3(-771123),Pamd7(-355039)	N/A
Chr8	107944013	107944152	Chr8.96814	Zfx3(-770661),Pamd7(-355601)	N/A
Chr8	107945325	107945543	Chr8.96819	Zfx3(-769210),Pamd7(-356952)	N/A
Chr8	107946154	107946391	Chr8.96821	Zfx3(-768371),Pamd7(-357791)	N/A
Chr8	107947135	107947274	Chr8.96829	Zfx3(-767439),Pamd7(-358723)	N/A
Chr8	107947793	107947923	Chr8.96834	Zfx3(-766786),Pamd7(-359376)	N/A
Chr8	107947985	107948238	Chr8.96836	Zfx3(-765332),Pamd7(-359830)	N/A
Chr8	107949176	107949517	Chr8.96843	Zfx3(-765297),Pamd7(-360865)	N/A

Chr8	107949546	107949721	Chr8.96846	Zfx3(-765010),PsmD7(-361152)	N/A
Chr8	107950440	107950784	Chr8.96855	Zfx3(-764032),PsmD7(-362130)	N/A
Chr8	107952089	107952782	Chr8.96862	Zfx3(-762208),PsmD7(-363954)	N/A
Chr8	107953526	107953709	Chr8.96869	Zfx3(-761026),PsmD7(-365136)	N/A
Chr8	107955728	107955944	Chr8.96871	Zfx3(-758808),PsmD7(-367354)	N/A
Chr8	107958844	107959001	Chr8.96898	Zfx3(-755721),PsmD7(-370441)	N/A
Chr8	107960519	107960914	Chr8.96905	Zfx3(-753927),PsmD7(-372235)	N/A
Chr8	107961210	107961368	Chr8.96910	Zfx3(-753355),PsmD7(-372807)	N/A
Chr8	107974464	107974759	Chr8.96939	Zfx3(-740332),PsmD7(-386130)	N/A
Chr8	107975175	107975315	Chr8.96945	Zfx3(-739399),PsmD7(-386763)	N/A
Chr8	107980739	107980843	Chr8.96956	Zfx3(-733853),PsmD7(-392309)	N/A
Chr8	107983385	107983526	Chr8.96961	Zfx3(-731188),PsmD7(-394974)	N/A
Chr8	108011785	108012075	Chr8.97009	Zfx3(-702714),PsmD7(-423448)	N/A
Chr8	108015385	108015519	Chr8.97015	Zfx3(-699192),PsmD7(-426970)	N/A
Chr8	108017906	108018116	Chr8.97017	Zfx3(-696833),PsmD7(-429529)	N/A
Chr8	108019616	108019796	Chr8.97021	Zfx3(-694938),PsmD7(-431224)	N/A
Chr8	108022769	108022889	Chr8.97029	Zfx3(-691815),PsmD7(-434347)	N/A
Chr8	108030301	108030507	Chr8.97048	Zfx3(-684240),PsmD7(-441922)	N/A
Chr8	108042026	108042171	Chr8.97077	Zfx3(-672545),PsmD7(-453617)	N/A
Chr8	108043820	108043943	Chr8.97082	Zfx3(-670762),PsmD7(-455400)	N/A
Chr8	108044162	108044358	Chr8.97088	Zfx3(-670385),PsmD7(-455777)	N/A
Chr8	108056282	108056415	Chr8.97099	Zfx3(-658295),PsmD7(-467867)	N/A
Chr8	108062286	108062424	Chr8.97112	Zfx3(-652289),PsmD7(-473873)	N/A
Chr8	108062836	108063137	Chr8.97117	Zfx3(-651657),PsmD7(-474505)	N/A
Chr8	108068178	108068457	Chr8.97131	Zfx3(-646326),PsmD7(-479836)	N/A
Chr8	108069200	108068945	Chr8.97136	Zfx3(-645871),PsmD7(-480291)	N/A
Chr8	108072140	108072327	Chr8.97144	Zfx3(-642410),PsmD7(-483752)	N/A
Chr8	108087285	108087436	Chr8.97190	Zfx3(-627283),PsmD7(-498879)	N/A
Chr8	108097455	108097599	Chr8.97208	Zfx3(-617171),PsmD7(-509045)	N/A
Chr8	108101360	108101964	Chr8.97220	Zfx3(-612982),PsmD7(-513180)	N/A
Chr8	108102010	108102057	Chr8.97226	Zfx3(-612310),PsmD7(-513852)	N/A
Chr8	108104711	108105023	Chr8.97239	Zfx3(-609177),PsmD7(-516385)	N/A
Chr8	108145544	108145748	Chr8.97309	Zfx3(-568998),PsmD7(-557164)	N/A
Chr8	108147902	108148121	Chr8.97315	Zfx3(-566632),PsmD7(-559530)	N/A
Chr8	108148158	108148356	Chr8.97319	Zfx3(-566387),PsmD7(-559775)	N/A
Chr8	108148421	108148533	Chr8.97322	Zfx3(-566166),PsmD7(-559996)	N/A
Chr8	108183652	108183883	Chr8.97385	PsmD7(-593286),Zfx3(-530816)	N/A
Chr8	108217845	108218335	Chr8.97420	PsmD7(-429608),Zfx3(-496554)	N/A
Chr8	108232358	108232465	Chr8.97469	PsmD7(-643930),Zfx3(-482232)	N/A
Chr8	108233576	108233848	Chr8.97472	PsmD7(-645230),Zfx3(-480932)	N/A
Chr8	108234609	108234860	Chr8.97477	PsmD7(-646253),Zfx3(-479909)	N/A
Chr8	108234904	108235166	Chr8.97481	PsmD7(-646553),Zfx3(-479609)	N/A
Chr8	108238987	108239159	Chr8.97496	PsmD7(-650591),Zfx3(-475571)	N/A
Chr8	108240301	108240542	Chr8.97503	PsmD7(-651940),Zfx3(-474222)	N/A
Chr8	108240803	108241017	Chr8.97504	PsmD7(-652428),Zfx3(-473734)	N/A
Chr8	108241172	108241682	Chr8.97509	PsmD7(-652945),Zfx3(-473217)	N/A
Chr8	108241981	108242096	Chr8.97517	PsmD7(-653557),Zfx3(-472605)	N/A
Chr8	108243239	108243460	Chr8.97528	PsmD7(-654868),Zfx3(-471294)	N/A
Chr8	108247561	108247757	Chr8.97556	PsmD7(-659177),Zfx3(-466985)	N/A
Chr8	108248002	108248137	Chr8.97559	PsmD7(-659588),Zfx3(-466574)	N/A
Chr8	108251546	108251658	Chr8.97572	PsmD7(-663120),Zfx3(-463042)	N/A
Chr8	108251740	108251971	Chr8.97573	PsmD7(-663374),Zfx3(-462788)	N/A
Chr8	108264236	108264390	Chr8.97591	PsmD7(-675831),Zfx3(-450331)	N/A
Chr8	108264795	108265073	Chr8.97597	PsmD7(-676437),Zfx3(-449725)	N/A
Chr8	108265232	108265492	Chr8.97654	PsmD7(-676880),Zfx3(-449282)	N/A
Chr8	108282170	108282444	Chr8.97623	PsmD7(-693825),Zfx3(-432337)	N/A
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Chr8	108314982	108315112	Chr8.97708	PsmD7(-726565),Zfx3(-399597)	N/A
Chr8	108315199	108315368	Chr8.97709	PsmD7(-726893),Zfx3(-399350)	N/A
Chr8	108355128	108355292	Chr8.97754	PsmD7(-766728),Zfx3(-359434)	N/A
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Chr8	108361413	108361633	Chr8.97767	PsmD7(-773041),Zfx3(-353121)	N/A
Chr8	108362419	108362632	Chr8.97772	PsmD7(-774044),Zfx3(-352118)	N/A
Chr8	108369073	108369363	Chr8.97784	PsmD7(-780738),Zfx3(-345426)	N/A
Chr8	108371293	108371436	Chr8.97789	PsmD7(-783883),Zfx3(-343279)	N/A
Chr8	108373149	108373410	Chr8.97792	PsmD7(-784798),Zfx3(-341364)	N/A
Chr8	108384156	108384467	Chr8.97815	PsmD7(-795830),Zfx3(-330332)	N/A
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Chr8	108417790	108417952	Chr8.97893	PsmD7(-829389),Zfx3(-296773)	N/A
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Chr8	108424531	108424638	Chr8.97915	PsmD7(-838103),Zfx3(-290059)	N/A
Chr8	108466653	108466920	Chr8.97999	PsmD7(-873305),Zfx3(-247857)	N/A
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Chr8	108478259	108478449	Chr8.98035	PsmD7(-889872),Zfx3(-236290)	N/A
Chr8	108480351	108480458	Chr8.98039	PsmD7(-891923),Zfx3(-234239)	N/A
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Chr8	108554208	108554583	Chr8.98198	PsmD7(-965914),Zfx3(-160248)	N/A
Chr8	108554746	108554873	Chr8.98204	PsmD7(-966328),Zfx3(-159834)	N/A
Chr8	108563273	108563637	Chr8.98213	PsmD7(-974973),Zfx3(-151189)	N/A
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Chr8	108584564	108584744	Chr8.98281	PsmD7(-996172),Zfx3(-129990)	N/A
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Chr8	108599048	108599259	Chr8.98328	Zfx3(-115490)	N/A
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Chr8	108661676	108661835	Chr8.98420	Zfx3(-52688)	N/A
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Chr6	108714250	108714421	Chr8.98592	Zfx3c(-308)	N/A
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Chr6	109121826	109122099	Chr8.99435	4922502b01r1k(+128145), Zfx3c(-407931)	N/A
Chr6	109156561	109156870	Chr8.99444	4922502b01r1k(+93392), Zfx3c(-442072)	N/A
Chr6	109185472	109185676	Chr8.99452	4922502b01r1k(+64534), Zfx3c(-470930)	N/A
Chr6	109185958	109186120	Chr8.99454	4922502b01r1k(+64059), Zfx3c(-471395)	N/A
Chr6	109233311	109233483	Chr8.99525	4922502b01r1k(+16711), Zfx3c(-518753)	N/A
Chr6	109250714	109250922	Chr8.99572	4922502b01r1k(+910), 4922502b01r1k(+910)	N/A
Chr6	109251042	109251554	Chr8.99575	4922502b01r1k(-1190), 4922502b01r1k(+430)	N/A
Chr6	109251586	109251734	Chr8.99576	4922502b01r1k(-1552), 4922502b01r1k(+68)	N/A
Chr6	109311684	109312024	Chr8.99610	Pmfp1(-182173), 4922502b01r1k(-60126)	N/A
Chr6	109312771	109313228	Chr8.99614	Pmfp1(-191027), 4922502b01r1k(-61272)	N/A
Chr6	109352683	109352998	Chr8.99676	Pmfp1(-141286), 4922502b01r1k(-101013)	N/A
Chr6	109359715	109359836	Chr8.99686	Pmfp1(-134251), 4922502b01r1k(-108048)	N/A
Chr6	109360325	109360490	Chr8.99692	Pmfp1(-133619), 4922502b01r1k(-108680)	N/A
Chr6	109360551	109360752	Chr8.99693	Pmfp1(-133375), 4922502b01r1k(-108924)	N/A
Chr6	109369390	109361280	Chr8.99695	Pmfp1(-132832), 4922502b01r1k(-109387)	N/A
Chr6	109411057	109411492	Chr8.99812	4922502b01r1k(-159847), Pmfp1(-827529)	N/A
Chr6	109415631	109415770	Chr8.99815	4922502b01r1k(-163973), Pmfp1(-78326)	N/A
Chr6	109417036	109417433	Chr8.99826	4922502b01r1k(-165507), Pmfp1(-76792)	N/A
Chr6	109418095	109418444	Chr8.99836	4922502b01r1k(-166542), Pmfp1(-75757)	N/A
Chr6	109451406	109451523	Chr8.99877	4922502b01r1k(-199173), Pmfp1(-42562)	N/A
Chr6	109458651	109458755	Chr8.99886	4922502b01r1k(-206675), Pmfp1(-359444)	N/A
Chr6	109463267	109463384	Chr8.99894	4922502b01r1k(-211598), Pmfp1(-30701)	N/A
Chr6	109463797	109463905	Chr8.99898	4922502b01r1k(-212123), Pmfp1(-30176)	N/A
Chr6	109463953	109464262	Chr8.99901	4922502b01r1k(-212380), Pmfp1(-29919)	N/A
Chr6	109464419	109464629	Chr8.99906	4922502b01r1k(-212946), Pmfp1(-29353)	N/A
Chr6	109465715	109465881	Chr8.99916	4922502b01r1k(-214070), Pmfp1(-28229)	N/A
Chr6	109466918	109467031	Chr8.99921	4922502b01r1k(-215247), Pmfp1(-27052)	N/A
Chr6	109474702	109474862	Chr8.99951	4922502b01r1k(-223054), Pmfp1(-19245)	N/A
Chr9	102545034	102545151	Chr9.100055	Ky(+38955), Cap63(+81031)	N/A
Chr9	102607520	102607629	Chr9.100136	Cap63(+18549), Ky(+101437)	N/A
Chr9	102657732	102657838	Chr9.100164	Amtol2(-7985), Anapc13(+11489)	N/A
Chr9	102647061	102647244	Chr9.100172	Amtol2(-70515), Anapc13(+20857)	N/A
Chr9	102650123	102650279	Chr9.100177	Amtol2(-67467), Anapc13(+23905)	N/A
Chr9	102650885	102650995	Chr9.100182	Amtol2(-66728), Anapc13(+24644)	N/A
Chr9	102656810	102656918	Chr9.100184	Amtol2(-60804), Anapc13(+30568)	N/A
Chr9	102669190	102669137	Chr9.100189	Amtol2(-49419), Anapc13(+1953)	N/A
Chr9	102681597	102681757	Chr9.100198	Amtol2(-55991), Anapc13(+5538)	N/A
Chr9	102682060	102682204	Chr9.100201	Amtol2(-35535), Anapc13(+55386)	N/A
Chr9	102690281	102690417	Chr9.100208	Amtol2(-27319), Anapc13(+84053)	N/A
Chr9	102701173	102701323	Chr9.100210	Amtol2(-16420), Anapc13(+74952)	N/A
Chr9	102717671	102717777	Chr9.100223	Amtol2(+56)	N/A
Chr9	102718255	102718460	Chr9.100224	Amtol2(+690)	N/A
Chr9	102737530	102737631	Chr9.100328	Ryk(-97336), Amtol2(+19913)	N/A
Chr9	102763618	102763757	Chr9.100340	Ryk(-71229), Amtol2(+46020)	N/A
Chr9	102771663	102771807	Chr9.100349	Ryk(-63182	

Chr9	102842696	102842880	Chr9.100371	<i>Sloca2a1(-165701),Ryk(+7871)</i>	N/A
Chr9	102864479	102864623	Chr9.100383	<i>Sloca2a1(-143938),Ryk(+29634)</i>	N/A
Chr9	102877686	102877787	Chr9.100435	<i>Sloca2a1(-30762),Ryk(+142810)</i>	N/A
Chr9	103007888	103008042	Chr9.100454	<i>Sloca2a1(-524)</i>	N/A
Chr9	103133748	103133919	Chr9.100598	<i>Rabb6(+21760),Sprb(+68303)</i>	N/A
Chr9	103181157	103181556	Chr9.100627	<i>Sprb(+20780),Rabb6(+69283)</i>	N/A
Chr9	20680560	20680781	Chr9.10087	<i>Pin1(+28541),Olfm2(+47548)</i>	N/A
Chr9	20694772	20694884	Chr9.10102	<i>Olfm2(+33391),Pin1(+42698)</i>	N/A
Chr9	103376960	103377085	Chr9.101052	<i>Cdv3(-11243),Bfsp2(+103305)</i>	N/A
Chr9	103387156	103387352	Chr9.101053	<i>Cdv3(-21474),Bfsp2(+93074)</i>	N/A
Chr9	103398525	103398828	Chr9.101056	<i>Cdv3(-32897),Bfsp2(+81651)</i>	N/A
Chr9	103423116	103423245	Chr9.101072	<i>Cdv3(-57401),Bfsp2(+57147)</i>	N/A
Chr9	103443569	103443717	Chr9.101094	<i>Cdv3(-77863),Bfsp2(+36685)</i>	N/A
Chr9	20703993	20704140	Chr9.10118	<i>Olfm2(+24152),Pin1(+51937)</i>	N/A
Chr9	103547315	103547572	Chr9.101201	<i>Bfsp2(+57116),Tmem108(+214393)</i>	N/A
Chr9	20713117	20713267	Chr9.10122	<i>Olfm2(+15027),Pin1(+61062)</i>	N/A
Chr9	103654192	103654430	Chr9.101293	<i>Bfsp2(-173983),Tmem108(+107526)</i>	N/A
Chr9	103657655	103657885	Chr9.101302	<i>Bfsp2(-177442),Tmem108(+104067)</i>	N/A
Chr9	103692783	103692939	Chr9.101318	<i>Bfsp2(-212533),Tmem108(+68976)</i>	N/A
Chr9	103761678	103762058	Chr9.101374	<i>Tmem108(-132)</i>	N/A
Chr9	103907685	103907830	Chr9.101465	<i>Tmem108(-145921),Nph3(-94788)</i>	N/A
Chr9	103968889	103969048	Chr9.101503	<i>Tmem108(-207132),Nph3(-33577)</i>	N/A
Chr9	104152027	104152164	Chr9.101766	<i>Ackr4(-25453),Dnajc13(+110834)</i>	N/A
Chr9	104153183	104153480	Chr9.101771	<i>Ackr4(-26689),Dnajc13(+109598)</i>	N/A
Chr9	104262812	104262982	Chr9.101901	<i>Dnajc13(+33)</i>	N/A
Chr9	105494403	105494629	Chr9.102279	<i>Nek1(-19892),Atp2c1(+26741)</i>	N/A
Chr9	105522230	105522341	Chr9.102817	<i>Atp2c1(-1029)</i>	N/A
Chr9	105553854	105553970	Chr9.102844	<i>Pik3r4(-89083),Atp2c1(-32655)</i>	N/A
Chr9	105613166	105613372	Chr9.102892	<i>Atp2c1(-92012),Pik3r4(-29726)</i>	N/A
Chr9	105731982	105732134	Chr9.103118	<i>Pik3r4(-89063),Col6a6(+96027)</i>	N/A
Chr9	105811647	105811827	Chr9.103409	<i>Col6a6(-16348),Pik3r4(+68742)</i>	N/A
Chr9	106128901	106127205	Chr9.103998	<i>Col6a4(-30270),Glycylc(+31085)</i>	N/A
Chr9	106139946	106140123	Chr9.104006	<i>Col6a4(-43252),Glycylc(+18083)</i>	N/A
Chr9	20812948	20813066	Chr9.10401	<i>Olfm2(-84788),Col5a3(+2060)</i>	N/A
Chr9	106170027	106170153	Chr9.104101	<i>Wdr82(-839)</i>	N/A
Chr9	106178796	106178944	Chr9.104117	<i>Wdr82(-7941),Ppm1m(+20405)</i>	N/A
Chr9	106300558	106300558	Chr9.104488	<i>Dusp7(-68055),Poc1a(+19518)</i>	N/A
Chr9	106311866	106312050	Chr9.104494	<i>Dusp7(-56674),Poc1a(+30897)</i>	N/A
Chr9	106318146	106318316	Chr9.104499	<i>Dusp7(-50401),Poc1a(+37170)</i>	N/A
Chr9	106319475	106319790	Chr9.104503	<i>Dusp7(-48999),Poc1a(+38572)</i>	N/A
Chr9	106322440	106322552	Chr9.104508	<i>Dusp7(-46136),Poc1a(+41435)</i>	N/A
Chr9	106332298	106332404	Chr9.104514	<i>Dusp7(-36281),Poc1a(+51290)</i>	N/A
Chr9	106337745	106337958	Chr9.104515	<i>Dusp7(-30771),Poc1a(+56790)</i>	N/A
Chr9	106341572	106341724	Chr9.104523	<i>Dusp7(-26984),Poc1a(+60587)</i>	N/A
Chr9	106345049	106345155	Chr9.104525	<i>Dusp7(-23530),Poc1a(+64041)</i>	N/A
Chr9	106348385	106348484	Chr9.104527	<i>Dusp7(-20197),Poc1a(+67374)</i>	N/A
Chr9	106359399	106359626	Chr9.104544	<i>Dusp7(-9169),Poc1a(+78402)</i>	N/A
Chr9	106377456	106377572	Chr9.104590	<i>Rpl29(-51940),Dusp7(+8862)</i>	N/A
Chr9	106378145	106378285	Chr9.104593	<i>Rpl29(-51239),Dusp7(+9583)</i>	N/A
Chr9	106383384	106383532	Chr9.104598	<i>Rpl29(-45996),Dusp7(+14826)</i>	N/A
Chr9	106384518	106384691	Chr9.104601	<i>Rpl29(-44849),Dusp7(+15973)</i>	N/A
Chr9	106386275	106386374	Chr9.104603	<i>Rpl29(-43129),Dusp7(+17693)</i>	N/A
Chr9	106397857	106397979	Chr9.104606	<i>Rpl29(-31536),Dusp7(+29286)</i>	N/A
Chr9	106402778	106402877	Chr9.104611	<i>Rpl29(-26626),Dusp7(+34198)</i>	N/A
Chr9	106405418	106405619	Chr9.104616	<i>Rpl29(-23935),Dusp7(+36887)</i>	N/A
Chr9	106406649	106406776	Chr9.104624	<i>Rpl29(-22741),Dusp7(+38081)</i>	N/A
Chr9	106410366	106410606	Chr9.104632	<i>Rpl29(-18968),Dusp7(+41854)</i>	N/A
Chr9	106418402	106418510	Chr9.104635	<i>Rpl29(-10998),Dusp7(+49824)</i>	N/A
Chr9	106452886	106453153	Chr9.104747	<i>Pcbp4(-818)</i>	N/A
Chr9	106454564	106454693	Chr9.104754	<i>Pcbp4(+791)</i>	N/A
Chr9	106454973	106455131	Chr9.104757	<i>Pcbp4(+1214),Gpr62(+10888)</i>	N/A
Chr9	106456766	106457125	Chr9.104760	<i>Pcbp4(+3108),Gpr62(+8994)</i>	N/A
Chr9	106458674	106458783	Chr9.104769	<i>Pcbp4(+4891),Gpr62(+7211)</i>	N/A
Chr9	106606987	106607160	Chr9.105153	<i>Grm2(-4970)</i>	N/A
Chr9	106663319	106663534	Chr9.105164	<i>Grm2(-7303),Tex264(+22255)</i>	N/A
Chr9	106667349	106667461	Chr9.105179	<i>Grm2(-11296),Tex264(+18262)</i>	N/A
Chr9	106682228	106682413	Chr9.105214	<i>Grm2(-26212),Tex264(+3346)</i>	N/A
Chr9	106688169	106688323	Chr9.105222	<i>Tex264(-2579)</i>	N/A
Chr9	106688441	106688584	Chr9.105224	<i>Tex264(-2846)</i>	N/A
Chr9	106688995	106688999	Chr9.105227	<i>Tex264(-3280)</i>	N/A
Chr9	10678132	106789275	Chr9.105321	<i>Rax54(+49)</i>	N/A
Chr9	106822457	106822568	Chr9.105338	<i>Dcaf1(+639)</i>	N/A
Chr9	106892038	106892140	Chr9.105508	<i>Manf(-110)</i>	N/A
Chr9	106893093	106893257	Chr9.105515	<i>Manf(-1196)</i>	N/A
Chr9	106897318	106897519	Chr9.105548	<i>Manf(-4440),Dock3(+334490)</i>	N/A
Chr9	107254568	107254703	Chr9.105757	<i>Dock3(-22722),Mapkap3(-35346)</i>	N/A
Chr9	107259672	107259912	Chr9.105780	<i>Dock3(-27883),Mapkap3(-30085)</i>	N/A
Chr9	107285167	107285294	Chr9.105811	<i>Dock3(-53322),Mapkap3(+4466)</i>	N/A
Chr9	107307888	107308125	Chr9.105865	<i>Cish(+11981),Hemk1(+30343)</i>	N/A
Chr9	107312887	107313040	Chr9.105873	<i>Cish(+16938),Hemk1(+25386)</i>	N/A
Chr9	107340741	107340862	Chr9.105923	<i>Hemk1(-2452),G43057113rk(+200)</i>	N/A
Chr9	107398918	107398992	Chr9.105997	<i>Cacna2d2(-9975),G43057113rk(+49303)</i>	N/A
Chr9	107397776	107397881	Chr9.106012	<i>Cacna2d2(-2051)</i>	N/A
Chr9	20893173	20893335	Chr9.10603	<i>Ppan(+5079),Eif3g(+5346)</i>	N/A
Chr9	107417146	107417305	Chr9.106055	<i>Tmem115(-116719),Cacna2d2(+17346)</i>	N/A
Chr9	107443585	107443774	Chr9.106104	<i>Tmem115(-90265),Cacna2d2(+43800)</i>	N/A
Chr9	107444881	107444980	Chr9.106115	<i>Tmem115(-69009),Cacna2d2(+4056)</i>	N/A
Chr9	107445315	107445479	Chr9.106117	<i>Tmem115(-88548),Cacna2d2(+45517)</i>	N/A
Chr9	107449222	107449342	Chr9.106123	<i>Tmem115(-84663),Cacna2d2(+49402)</i>	N/A
Chr9	107452192	107452331	Chr9.106129	<i>Tmem115(-81683),Cacna2d2(+52382)</i>	N/A
Chr9	107456741	107456924	Chr9.106137	<i>Tmem115(-77112),Cacna2d2(+56953)</i>	N/A
Chr9	107470527	107470739	Chr9.106183	<i>Tmem115(-63312),Cacna2d2(+70753)</i>	N/A
Chr9	107479448	107479753	Chr9.106179	<i>Tmem115(-54344),Cacna2d2(+79721)</i>	N/A
Chr9	107480983	107481216	Chr9.106183	<i>Tmem115(-52845),Cacna2d2(+81220)</i>	N/A
Chr9	107481433	107481533	Chr9.106187	<i>Tmem115(-52462),Cacna2d2(+81603)</i>	N/A
Chr9	107484414	107484771	Chr9.106188	<i>Tmem115(-49352),Cacna2d2(+84713)</i>	N/A
Chr9	107493088	107493234	Chr9.106200	<i>Tmem115(-40794),Cacna2d2(+93271)</i>	N/A
Chr9	107494980	107494980	Chr9.106203	<i>Tmem115(-39351),Cacna2d2(+94704)</i>	N/A
Chr9	107505192	107505335	Chr9.106213	<i>Tmem115(-28681),Cacna2d2(+106394)</i>	N/A
Chr9	107510262	107510439	Chr9.106232	<i>Tmem115(-23594),Cacna2d2(+110471)</i>	N/A
Chr9	107511508	107511664	Chr9.106234	<i>Tmem115(-22359),Cacna2d2(+11706)</i>	N/A
Chr9	107519151	107519324	Chr9.106295	<i>Tmem115(-14707),Cacna2d2(+119358)</i>	N/A
Chr9	107521465	107521675	Chr9.106303	<i>Tmem115(-12375),Cacna2d2(+121690)</i>	N/A
Chr9	107554790	107554930	Chr9.106493	<i>Tuss2(-6395),Rassf1(+3305)</i>	N/A
Chr9	107565228	107565334	Chr9.106528	<i>Hyal2(-3836)</i>	N/A
Chr9	107566957	107567127	Chr9.106538	<i>Hyal2(-2075)</i>	N/A
Chr9	107593535	107593672	Chr9.106820	<i>Ifrd2(+5886),Sema3b(+13445)</i>	N/A
Chr9	107593822	107593940	Chr9.106825	<i>Ifrd2(+6163),Sema3b(+13168)</i>	N/A
Chr9	107609114	107609216	Chr9.106947	<i>Sema3b(-2116)</i>	N/A
Chr9	107612000	107612165	Chr9.106963	<i>Sema3b(-5034),Gna2(-23259)</i>	N/A
Chr9	107614596	107614809	Chr9.106969	<i>Sema3b(-7654),Gna2(+20639)</i>	N/A
Chr9	107626601	107626727	Chr9.107017	<i>Sema3b(-19615),Gna2(+8678)</i>	N/A
Chr9	107628783	107629040	Chr9.107026	<i>Sema3b(-21863),Gna2(+6430)</i>	N/A
Chr9	107632564	107632783	Chr9.107036	<i>Sema3b(-26602),Gna2(+2668)</i>	N/A
Chr9	107633403	107633588	Chr9.107042	<i>Sema3b(-26446),Gna2(+1847)</i>	N/A
Chr9	107637226	107637344	Chr9.107054	<i>Gna2(-1943)</i>	N/A
Chr9	107641761	107641918	Chr9.107059	<i>Gna2(-6498),Slc38a3(+17688)</i>	N/A
Chr9	107650210	107650340	Chr9.107063	<i>Gna2(-14933),Slc38a3(+9253)</i>	N/A
Chr9	107650832	107650953	Chr9.107066	<i>Gna2(-15551),Slc38a3(+8635)</i>	N/A
Chr9	107651133	107651234	Chr9.107068	<i>Gna2(-15842),Slc38a3(+8344)</i>	N/A
Chr9	107659629	107659903	Chr9.107123	<i>Slc38a3(-238)</i>	N/A
Chr9	107662416	107662598	Chr9.107129	<i>Slc38a3(-2979)</i>	N/A
Chr9	107663657	107663867	Chr9.107136	<i>Slc38a3(-4234)</i>	N/A
Chr9	107669065	107669170	Chr9.107149	<i>Slc38a3(-9590),Gnat1(+10474)</i>	N/A
Chr9	107670393	107670558	Chr9.107153	<i>Slc38a3(-10953),Gnat1(+9111)</i>	N/A
Chr9	107694635	107694972	Chr9.107286	<i>Gnat1(-15212),Sema3f(+15671)</i>	N/A
Chr9	107695576	107695690	Chr9.107288	<i>Gnat1(-16041),Sema3f(+14842)</i>	N/A
Chr9	107696969	107697073	Chr9.107291	<i>Gnat1(-17429),Sema3f(+13454)</i>	N/A
Chr9	107697851	107698019	Chr9.107296	<i>Gnat1(-18343),Sema3f(+12540)</i>	N/A
Chr9	107698332	107698541	Chr9.107301	<i>Gnat1(-18845),Sema3f(+12038)</i>	N/A
Chr9	107699620	107699629	Chr9.107310	<i>Gnat1(-19983),Sema3f(+10900)</i>	N/A
Chr9	107701668	107701885	Chr9.107314	<i>Gnat1(-22185),Sema3f(+8698)</i>	N/A
Chr9	107704565	107704676	Chr9.107326	<i>Gnat1(-25029),Sema3f(+5854)</i>	N/A
Chr9	107706411	107706531	Chr9.107335	<i>Gnat1(-26879),Sema3f(+4004)</i>	N/A
Chr9	107707817	107707918	Chr9.107339	<i>Gnat1(-28276),Sema3f(+2607)</i>	N/A
Chr9	107708171	107708300	Chr9.107341	<i>Gnat1(-28644),Sema3f(+2239)</i>	N/A
Chr9	107714606	107714713	Chr9.107350	<i>Sema3f(-4185)</i>	N/A
Chr9	107714865	107714965	Chr9.107352	<i>Sema3f(-4440)</i>	N/A

Chr9	107717041	107717225	Chr9.107356	<i>Sema3f(-6658),Rbm5(+53863)</i>	N/A
Chr9	107723378	107723485	Chr9.107360	<i>Sema3f(-12957),Rbm5(+47564)</i>	N/A
Chr9	107723817	107724086	Chr9.107362	<i>Sema3f(-13517),Rbm5(+47004)</i>	N/A
Chr9	107728635	107730047	Chr9.107366	<i>Sema3f(-19468),Rbm5(+41055)</i>	N/A
Chr9	107730810	107730918	Chr9.107368	<i>Sema3f(-20389),Rbm5(+40132)</i>	N/A
Chr9	107735695	107735893	Chr9.107372	<i>Sema3f(-25319),Rbm5(+35202)</i>	N/A
Chr9	107738332	107738509	Chr9.107380	<i>Sema3f(-27946),Rbm5(+32575)</i>	N/A
Chr9	107740690	107740863	Chr9.107387	<i>Sema3f(-30302),Rbm5(+30219)</i>	N/A
Chr9	107754765	107757711	Chr9.107439	<i>Sema3f(-47713),Rbm5(+13408)</i>	N/A
Chr9	107758197	107758373	Chr9.107442	<i>Sema3f(-47819),Rbm5(+12711)</i>	N/A
Chr9	107872697	107872804	Chr9.107566	<i>Rbm6(-27)</i>	N/A
Chr9	107924119	107924309	Chr9.107809	<i>Actl11(-4255)</i>	N/A
Chr9	107925370	107925505	Chr9.107811	<i>Actl11(-3031)</i>	N/A
Chr9	107927921	107928072	Chr9.107817	<i>Actl11(-472)</i>	N/A
Chr9	107932303	107932529	Chr9.107863	<i>Camkv(-3594)</i>	N/A
Chr9	107935901	107936054	Chr9.107868	<i>Camkv(+58)</i>	N/A
Chr9	107936408	107936543	Chr9.107871	<i>Camkv(+556)</i>	N/A
Chr9	107936645	107936776	Chr9.107873	<i>Camkv(+791)</i>	N/A
Chr9	107940432	107940605	Chr9.107883	<i>Traip(-10444),Camkv(+4599)</i>	N/A
Chr9	107948666	107948770	Chr9.107915	<i>Traip(-2345)</i>	N/A
Chr9	107949403	107949613	Chr9.107921	<i>Traip(-1508)</i>	N/A
Chr9	107949570	107949754	Chr9.107923	<i>Traip(-1301)</i>	N/A
Chr9	107957262	107957395	Chr9.107935	<i>Uba7(-18205),Traip(+6366)</i>	N/A
Chr9	107959921	107960055	Chr9.107943	<i>Uba7(-15546),Traip(+9025)</i>	N/A
Chr9	107981731	107981848	Chr9.108111	<i>Inka1(+4089),Uba7(+6256)</i>	N/A
Chr9	107982333	107982436	Chr9.108114	<i>Inka1(+3494),Uba7(+6851)</i>	N/A
Chr9	108002551	108002735	Chr9.108245	<i>Ipdk1(+142)</i>	N/A
Chr9	108096000	108096223	Chr9.108695	<i>Apeh(-1632)</i>	N/A
Chr9	108096487	108096640	Chr9.108697	<i>Apeh(-2084)</i>	N/A
Chr9	108098158	108098368	Chr9.108702	<i>Apeh(-3783)</i>	N/A
Chr9	108098515	108098662	Chr9.108703	<i>Apeh(-4119)</i>	N/A
Chr9	108098772	108098980	Chr9.108707	<i>Apeh(-4446)</i>	N/A
Chr9	108099166	108099601	Chr9.108708	<i>Apeh(-4904)</i>	N/A
Chr9	108137661	108137851	Chr9.108993	<i>Apeh(-43276),Bsn(+52628)</i>	N/A
Chr9	108189600	108189759	Chr9.109035	<i>Bsn(+704)</i>	N/A
Chr9	108197335	108197437	Chr9.109039	<i>Bsn(-7002),Dag1(+66350)</i>	N/A
Chr9	108206074	108206214	Chr9.109057	<i>Bsn(-19758),Dag1(+57594)</i>	N/A
Chr9	108206364	108206615	Chr9.109061	<i>Bsn(-16106),Dag1(+57246)</i>	N/A
Chr9	108213067	108213446	Chr9.109148	<i>Bsn(-22873),Dag1(+50479)</i>	N/A
Chr9	108220455	108220728	Chr9.109164	<i>Bsn(-30208),Dag1(+43144)</i>	N/A
Chr9	108290333	108290442	Chr9.109201	<i>Nlon(-60)</i>	N/A
Chr9	108306187	108306381	Chr9.109286	<i>Tctal(-333),Rhoa(+79)</i>	N/A
Chr9	108401299	108401459	Chr9.109423	<i>T700102p0b(+8545),Ccdc36(+27105)</i>	N/A
Chr9	108449969	108450087	Chr9.109486	<i>Klhc2b(+2349),Bc048562(+13546)</i>	N/A
Chr9	108460541	108460694	Chr9.109504	<i>Ccdc71(+100)</i>	N/A
Chr9	108461191	108461310	Chr9.109507	<i>Ccdc71(+733)</i>	N/A
Chr9	108481625	108481727	Chr9.109563	<i>Usp19(-9002),Lamb2(+1814)</i>	N/A
Chr9	108492098	108492225	Chr9.109763	<i>Qars(-15843),Usp19(+1486)</i>	N/A
Chr9	108492466	108492590	Chr9.109765	<i>Qars(-15477),Usp19(+1852)</i>	N/A
Chr9	108517008	108517201	Chr9.109949	<i>Qrich1(+18)</i>	N/A
Chr9	108559734	108559944	Chr9.110002	<i>Impdh2(-695)</i>	N/A
Chr9	108560028	108560197	Chr9.110006	<i>Impdh2(-421)</i>	N/A
Chr9	108563981	108564120	Chr9.110043	<i>Ndufaf3(-3336),Impdh2(+3472)</i>	N/A
Chr9	108567303	108567550	Chr9.110084	<i>Daird3(-2420),Ndufaf3(-130)</i>	N/A
Chr9	108567944	108568043	Chr9.110090	<i>Daird3(-1898),Ndufaf3(-652)</i>	N/A
Chr9	108568310	108568409	Chr9.110095	<i>Daird3(-1532),Ndufaf3(-1018)</i>	N/A
Chr9	108568772	108568871	Chr9.110098	<i>Ndufaf3(-1480),Daird3(-1070)</i>	N/A
Chr9	108582081	108582197	Chr9.110254	<i>Wdr6(-3469)</i>	N/A
Chr9	108587059	108587248	Chr9.110263	<i>Wdr6(-8498),P4httm(+10446)</i>	N/A
Chr9	108608889	108610155	Chr9.110304	<i>Arh2a(-38818),P4httm(-12422)</i>	N/A
Chr9	21031347	21031489	Chr9.110337	<i>Icam5(-620)</i>	N/A
Chr9	108691052	108691183	Chr9.110379	<i>Pkar2a(-1025)</i>	N/A
Chr9	108783749	108783878	Chr9.110431	<i>Ipdk2(-12180),Pkar2a(+91671)</i>	N/A
Chr9	108785646	108785663	Chr9.110437	<i>Ipdk2(-10389),Pkar2a(+93452)</i>	N/A
Chr9	108795403	108795568	Chr9.110440	<i>Ipdk2(-508)</i>	N/A
Chr9	108797165	108797501	Chr9.110459	<i>Nckipsd(-11047),Ipdk2(+1339)</i>	N/A
Chr9	108797618	108797799	Chr9.110465	<i>Nckipsd(-10671),Ipdk2(+1715)</i>	N/A
Chr9	108851895	108852039	Chr9.110833	<i>Slc26a6(-2070)</i>	N/A
Chr9	108852700	108852810	Chr9.110841	<i>Slc26a6(-1282)</i>	N/A
Chr9	108857800	108857974	Chr9.110890	<i>Tmem89(-56732),Slc26a6(+3850)</i>	N/A
Chr9	108858820	108858924	Chr9.110911	<i>Tmem89(-55747),Slc26a6(+4835)</i>	N/A
Chr9	108860599	108860700	Chr9.110927	<i>Tmem89(-53959),Slc26a6(+6613)</i>	N/A
Chr9	108860795	108860908	Chr9.110931	<i>Tmem89(-53767),Slc26a6(+6815)</i>	N/A
Chr9	108949126	108949257	Chr9.111014	<i>Col7a1(-4394)</i>	N/A
Chr9	108950022	108950227	Chr9.111022	<i>Col7a1(-3461)</i>	N/A
Chr9	109054897	109055012	Chr9.111470	<i>Trex1(+4779),Shisa5(+16370)</i>	N/A
Chr9	109059553	109059654	Chr9.111516	<i>Trex1(+130)</i>	N/A
Chr9	21074919	21075045	Chr9.111611	<i>Fdx2(-1468)</i>	N/A
Chr9	109097859	109097989	Chr9.111640	<i>Ptxnb1(+2488),Fbxw21(+64117)</i>	N/A
Chr9	109099040	109099186	Chr9.111642	<i>Ptxnb1(+3667),Fbxw21(+62938)</i>	N/A
Chr9	109097343	109097573	Chr9.111833	<i>Map4(-24002),Cdc25a(+31879)</i>	N/A
Chr9	109111939	109112051	Chr9.111940	<i>Map4(-19455),Cdc25a(+36416)</i>	N/A
Chr9	109532949	109533090	Chr9.111944	<i>Map4(+1560),Dhx30(+168067)</i>	N/A
Chr9	109933159	109933356	Chr9.111945	<i>Map4(+1798),Dhx30(+167829)</i>	N/A
Chr9	110002636	110002968	Chr9.111972	<i>Map4(+71342),Dhx30(+98285)</i>	N/A
Chr9	110052162	110052439	Chr9.112035	<i>Dhx30(+48786),Map4(+120841)</i>	N/A
Chr9	110052880	110053037	Chr9.112047	<i>Dhx30(+48128),Map4(+121499)</i>	N/A
Chr9	110053425	110053598	Chr9.112058	<i>Dhx30(+47575),Map4(+122052)</i>	N/A
Chr9	110053954	110054143	Chr9.112063	<i>Dhx30(+47038),Map4(+122589)</i>	N/A
Chr9	110083092	110083193	Chr9.112123	<i>Dhx30(+17944),Map4(+151683)</i>	N/A
Chr9	110115481	110115608	Chr9.112232	<i>Gm10615(-2158)</i>	N/A
Chr9	110116942	110117148	Chr9.112239	<i>Gm10615(-658)</i>	N/A
Chr9	11020473	110205731	Chr9.112290	<i>Cspg5(-37181),Smarrc1(+74565)</i>	N/A
Chr9	110250226	110250441	Chr9.112356	<i>Elp6(-54858),Cspg5(+6551)</i>	N/A
Chr9	110262056	110262222	Chr9.112369	<i>Elp6(-43053),Cspg5(+18356)</i>	N/A
Chr9	110277443	110277635	Chr9.112376	<i>Elp6(-27653),Cspg5(+33756)</i>	N/A
Chr9	110427128	110427235	Chr9.112675	<i>Ngp(+7432),Klf18(+49512)</i>	N/A
Chr9	110533506	110533640	Chr9.112851	<i>Setd2(-976)</i>	N/A
Chr9	110577003	110577436	Chr9.112966	<i>Setd2(-44623),Nradd(+47173)</i>	N/A
Chr9	6348040	6348147	Chr9.113132	<i>Ddi1(-81547),Dync2h1(+836352)</i>	N/A
Chr9	110653099	110653218	Chr9.113329	<i>Ccdc12(-3344),Nbeal2(+1002)</i>	N/A
Chr9	110717570	110717730	Chr9.113362	<i>Pth1r(+24960),Ccdc12(+81147)</i>	N/A
Chr9	110720085	110720236	Chr9.113364	<i>Pth1r(+22450),Ccdc12(+63657)</i>	N/A
Chr9	110728846	110729100	Chr9.113417	<i>Pth1r(+13637),Ccdc12(+72470)</i>	N/A
Chr9	110736481	110736777	Chr9.113428	<i>Pth1r(+5981),Ccdc12(+80126)</i>	N/A
Chr9	110746498	110746603	Chr9.113439	<i>Pth1r(-3941)</i>	N/A
Chr9	110748584	110748691	Chr9.113445	<i>My3(-15008),Pth1r(-6028)</i>	N/A
Chr9	110749704	110749861	Chr9.113449	<i>My3(-13863),Pth1r(-7173)</i>	N/A
Chr9	110750869	110751176	Chr9.113453	<i>My3(-12073),Pth1r(-8463)</i>	N/A
Chr9	110753890	110753960	Chr9.113457	<i>Pth1r(-11316),My3(-9720)</i>	N/A
Chr9	110754908	110755100	Chr9.113465	<i>Pth1r(-12439),My3(-8597)</i>	N/A
Chr9	110757861	110758120	Chr9.113470	<i>Pth1r(-15381),My3(-5655)</i>	N/A
Chr9	110758695	110758821	Chr9.113472	<i>My3(-4888)</i>	N/A
Chr9	110763528	110763626	Chr9.113483	<i>My3(-68)</i>	N/A
Chr9	110774508	110774642	Chr9.113513	<i>Ptax2(-23810),My3(+10929)</i>	N/A
Chr9	111119282	111119397	Chr9.114077	<i>Lrrfp2(+1229),Mln1(+152268)</i>	N/A
Chr9	111122577	111122726	Chr9.114082	<i>Lrrfp2(+4541),Mln1(+148956)</i>	N/A
Chr9	6353553	6353768	Chr9.1141	<i>Ddi1(-87114),Dync2h1(+830785)</i>	N/A
Chr9	111223249	111223373	Chr9.114198	<i>Mln1(+48297),Lrrfp2(+105200)</i>	N/A
Chr9	111223946	111224059	Chr9.114202	<i>Mln1(+47605),Lrrfp2(+105892)</i>	N/A
Chr9	111224139	111224269	Chr9.114210	<i>Mln1(+47404),Lrrfp2(+106093)</i>	N/A
Chr9	21161235	21161487	Chr9.114229	<i>Pde4a(-4353)</i>	N/A
Chr9	111274196	111274317	Chr9.114320	<i>Mln1(-2649),Epm2aip2(+2412)</i>	N/A
Chr9	21164301	21164431	Chr9.11434	<i>Pde4a(-1348)</i>	N/A
Chr9	21165124	21165246	Chr9.11436	<i>Pde4a(-529)</i>	N/A
Chr9	21165396	21165507	Chr9.11439	<i>Pde4a(-262)</i>	N/A
Chr9	21184435	21184558	Chr9.114450	<i>Pde4a(-18783),Keap1(+54835)</i>	N/A
Chr9	111429519	111429628	Chr9.114638	<i>Dck3(-9507),Trank1(+117835)</i>	N/A
Chr9	21198177	21198339	Chr9.11483	<i>Pde4a(-32544),Keap1(+41074)</i>	N/A
Chr9	111739506	111739736	Chr9.114871	<i>Stac(-49273),Arpp21(+448145)</i>	N/A
Chr9	111778821	111778926	Chr9.114897	<i>Stac(-86529),Arpp21(+410892)</i>	N/A
Chr9	112071606	112071729	Chr9.115026	<i>Stac(-381320),Arpp21(+116098)</i>	N/A
Chr9	112075295	112075497	Chr9.115033	<i>Stac(-385048),Arpp21(+112370)</i>	N/A
Chr9	112118613	112118723	Chr9.115087	<i>Stac(-428320),Arpp21(+69098)</i>	N/A
Chr9	112141494	112141778	Chr9.115138	<i>Stac(-451288),Arpp21(+46130)</i>	N/A
Chr9	112187584	112188020	Chr9.115255	<i>Arpp21(-36)</i>	N/A
Chr9	112188438	112188624	Chr9.115263	<i>Arpp21(-765)</i>	N/A
Chr9	112207783	112208074	Chr9.115275	<i>Arpp21(-20163)</i>	N/A

Chr9	112860989	112861109	Chr9.115646	Arpp21(-673283),Pdcd6ip(+847195)	N/A
Chr9	113085399	113085566	Chr9.115781	Arpp21(-897717),Pdcd6ip(+622761)	N/A
Chr9	113177144	113177376	Chr9.115846	Arpp21(-989494),Pdcd6ip(+530984)	N/A
Chr9	113305919	113306090	Chr9.115955	Pdcd6ip(+402240)	N/A
Chr9	113432636	113432792	Chr9.116048	Pdcd6ip(+275530)	N/A
Chr9	113442819	113442937	Chr9.116063	Pdcd6ip(+265366)	N/A
Chr9	113462657	113462771	Chr9.116087	Pdcd6ip(+245530)	N/A
Chr9	113601522	113601722	Chr9.116194	Pdcd6ip(+106622)	N/A
Chr9	113624245	113624359	Chr9.116224	Pdcd6ip(+83942)	N/A
Chr9	113624470	113624600	Chr9.116226	Pdcd6ip(+83709)	N/A
Chr9	113635256	113635405	Chr9.116247	Pdcd6ip(+72913)	N/A
Chr9	113792657	113793158	Chr9.116351	Pdcd6ip(-84664),Clasp2(-19678)	N/A
Chr9	113793240	113793568	Chr9.116358	Pdcd6ip(-85160),Clasp2(-19182)	N/A
Chr9	113793727	113793826	Chr9.116363	Pdcd6ip(-85533),Clasp2(-18809)	N/A
Chr9	113812254	113812356	Chr9.116378	Clasp2(-281)	N/A
Chr9	113812461	113812852	Chr9.116381	Clasp2(+71)	N/A
Chr9	113932782	113932893	Chr9.116542	Ubp1(+1904),Fbxl2(+93923)	N/A
Chr9	113977095	113977216	Chr9.116613	Ubp1(+46222),Fbxl2(+49605)	N/A
Chr9	114039506	114039732	Chr9.116660	Susd5(-17735),Fbxl2(-12858)	N/A
Chr9	114042609	114042632	Chr9.116664	Fbxl2(-15960),Susd5(-14633)	N/A
Chr9	114528154	114528361	Chr9.117076	Ccr4(-31714),Trim71(+36111)	N/A
Chr9	114531335	114531558	Chr9.117081	Ccr4(-34903),Trim71(+32922)	N/A
Chr9	114544616	114544720	Chr9.117090	Ccr4(-48124),Trim71(+19701)	N/A
Chr9	114549257	114549361	Chr9.117095	Ccr4(-52765),Trim71(+15060)	N/A
Chr9	114584576	114584796	Chr9.117105	Trim71(-20317),Cnotl1(+55514)	N/A
Chr9	114724065	114724195	Chr9.117216	Cntm8(-7083),Dync1f1(+35350)	N/A
Chr9	114924491	114924644	Chr9.117351	Cntm8(-80416),Gpd1l(+9419)	N/A
Chr9	115113743	115113886	Chr9.117437	Osbpl10(+46536),Slit3b(+196606)	N/A
Chr9	115195368	115195497	Chr9.117484	Slit3b(+114988),Osbpl10(+128154)	N/A
Chr9	115196911	115197013	Chr9.117488	Slit3b(+113459),Osbpl10(+129683)	N/A
Chr9	115243224	115243324	Chr9.117572	Slit3b(+67147),Osbpl10(+175995)	N/A
Chr9	115243372	115243619	Chr9.117574	Slit3b(+66925),Osbpl10(+176217)	N/A
Chr9	115340648	115340776	Chr9.117663	Gad1l(-568743),Slit3b(-30291)	N/A
Chr9	115380406	115380512	Chr9.117697	Gad1l(-528996),Slit3b(-70038)	N/A
Chr9	115401552	115401678	Chr9.117712	Gad1l(-507840),Slit3b(-91194)	N/A
Chr9	115456862	115457017	Chr9.117747	Gad1l(-452515),Slit3b(-146519)	N/A
Chr9	115523892	115524005	Chr9.117775	Gad1l(-385506),Slit3b(-213528)	N/A
Chr9	115524539	115524851	Chr9.117779	Gad1l(-384760),Slit3b(-214274)	N/A
Chr9	115525307	115525617	Chr9.117783	Gad1l(-383993),Slit3b(-215041)	N/A
Chr9	21288737	21288867	Chr9.11780	Krt1(-831)	N/A
Chr9	115624887	115625131	Chr9.117890	Slit3b(-314588),Gad1l(-284446)	N/A
Chr9	115933461	115933602	Chr9.118053	Gad1l(+24077),Tgfb2(-241831)	N/A
Chr9	115966625	115966771	Chr9.118117	Gad1l(+67243),Tgfb2(-208659)	N/A
Chr9	115966928	115967043	Chr9.118119	Gad1l(+57531),Tgfb2(-208377)	N/A
Chr9	115986550	115986650	Chr9.118139	Gad1l(+89145),Tgfb2(+176763)	N/A
Chr9	116101782	116101883	Chr9.118249	Tgfb2(+73530),Gad1l(+192378)	N/A
Chr9	116126622	116126801	Chr9.118295	Tgfb2(+49851),Gad1l(+217257)	N/A
Chr9	116133666	116133875	Chr9.118316	Tgfb2(+41592),Gad1l(+224316)	N/A
Chr9	116138791	116138900	Chr9.118324	Tgfb2(+36517),Gad1l(+229391)	N/A
Chr9	116146541	116146705	Chr9.118326	Tgfb2(+28740),Gad1l(+237168)	N/A
Chr9	116162986	116163090	Chr9.118336	Tgfb2(+12325),Gad1l(+253583)	N/A
Chr9	116213332	116213461	Chr9.118377	Tgfb2(-38034)	N/A
Chr9	116231555	116231658	Chr9.118395	Tgfb2(-56244)	N/A
Chr9	116231921	116232038	Chr9.118401	Tgfb2(-56617)	N/A
Chr9	116253597	116253688	Chr9.118410	Tgfb2(-78370)	N/A
Chr9	116259359	116259525	Chr9.118420	Tgfb2(-84079)	N/A
Chr9	116281632	116281731	Chr9.118438	Tgfb2(-106319)	N/A
Chr9	116285851	116286126	Chr9.118442	Tgfb2(-110626)	N/A
Chr9	116286202	116286413	Chr9.118448	Tgfb2(-110949)	N/A
Chr9	116286462	116286568	Chr9.118453	Tgfb2(-111151)	N/A
Chr9	116314223	116314338	Chr9.118472	Tgfb2(-138918)	N/A
Chr9	116314367	116314595	Chr9.118475	Tgfb2(-139118)	N/A
Chr9	116328362	116328581	Chr9.118482	Tgfb2(-153109)	N/A
Chr9	116333987	116334313	Chr9.118492	Tgfb2(-158787)	N/A
Chr9	116389894	116389153	Chr9.118520	Tgfb2(-213708)	N/A
Chr9	116428693	116428864	Chr9.118539	Tgfb2(-253416)	N/A
Chr9	116475376	116475536	Chr9.118568	Tgfb2(-300093)	N/A
Chr9	116478770	116478901	Chr9.118575	Tgfb2(-303473)	N/A
Chr9	116478930	116479089	Chr9.118579	Tgfb2(-303637)	N/A
Chr9	116484444	116484782	Chr9.118583	Tgfb2(-314250)	N/A
Chr9	116556324	116556594	Chr9.118614	Tgfb2(-381089)	N/A
Chr9	116556796	116556911	Chr9.118618	Tgfb2(-381491)	N/A
Chr9	21315552	21315654	Chr9.118667	Ap1m2(-3270)	N/A
Chr9	116644589	116644757	Chr9.118695	Tgfb2(-469310),Rbms3(+985240)	N/A
Chr9	116649536	116649744	Chr9.118707	Tgfb2(-474277),Rbms3(+980273)	N/A
Chr9	116749230	116749422	Chr9.118788	Tgfb2(-573963),Rbms3(+890587)	N/A
Chr9	116787834	116787982	Chr9.118818	Tgfb2(-612545),Rbms3(+842005)	N/A
Chr9	116806852	116807173	Chr9.118845	Tgfb2(-631655),Rbms3(+822900)	N/A
Chr9	116807390	116807606	Chr9.118848	Tgfb2(-632135),Rbms3(+822415)	N/A
Chr9	116807688	116807942	Chr9.118852	Tgfb2(-632452),Rbms3(+822098)	N/A
Chr9	116807968	116808104	Chr9.118861	Tgfb2(-632688),Rbms3(+821662)	N/A
Chr9	116859403	116859563	Chr9.118923	Tgfb2(-681120),Rbms3(+773430)	N/A
Chr9	116863736	116864013	Chr9.118932	Tgfb2(-688512),Rbms3(+766038)	N/A
Chr9	116872917	116873064	Chr9.118943	Tgfb2(-697628),Rbms3(+756922)	N/A
Chr9	116873110	116873306	Chr9.118948	Tgfb2(-697845),Rbms3(+756705)	N/A
Chr9	116873674	116874030	Chr9.118953	Tgfb2(-698489),Rbms3(+756061)	N/A
Chr9	116903348	116903526	Chr9.118986	Tgfb2(-728074),Rbms3(+726476)	N/A
Chr9	116903802	116903904	Chr9.118990	Tgfb2(-728490),Rbms3(+726060)	N/A
Chr9	116905751	116905954	Chr9.118996	Tgfb2(-730490),Rbms3(+724060)	N/A
Chr9	116919758	116919979	Chr9.119010	Tgfb2(-744506),Rbms3(+710044)	N/A
Chr9	116948104	116948203	Chr9.119020	Tgfb2(-772791),Rbms3(+681759)	N/A
Chr9	116965990	116965798	Chr9.119042	Tgfb2(-790382),Rbms3(+664168)	N/A
Chr9	116966030	116966157	Chr9.119045	Tgfb2(-790731),Rbms3(+663819)	N/A
Chr9	116977124	116977253	Chr9.119055	Tgfb2(-801828),Rbms3(+652724)	N/A
Chr9	117018576	117018724	Chr9.119084	Tgfb2(-843287),Rbms3(+611263)	N/A
Chr9	117018933	117019212	Chr9.119086	Tgfb2(-843710),Rbms3(+610840)	N/A
Chr9	117030875	117031103	Chr9.119092	Tgfb2(-855626),Rbms3(+598924)	N/A
Chr9	117031164	117031601	Chr9.119094	Tgfb2(-856020),Rbms3(+598530)	N/A
Chr9	117040425	117040632	Chr9.119109	Tgfb2(-865166),Rbms3(+589394)	N/A
Chr9	117079690	117079908	Chr9.119139	Tgfb2(-904436),Rbms3(+550114)	N/A
Chr9	117080561	117080693	Chr9.119143	Tgfb2(-905264),Rbms3(+549286)	N/A
Chr9	117088319	117088560	Chr9.119155	Tgfb2(-913077),Rbms3(+541473)	N/A
Chr9	117089480	117089602	Chr9.119163	Tgfb2(-914178),Rbms3(+540372)	N/A
Chr9	117116563	117116709	Chr9.119203	Tgfb2(-941273),Rbms3(+513277)	N/A
Chr9	117126606	117126751	Chr9.119217	Tgfb2(-951316),Rbms3(+503234)	N/A
Chr9	117126790	117127190	Chr9.119222	Tgfb2(-951627),Rbms3(+502923)	N/A
Chr9	117157473	117157580	Chr9.119248	Tgfb2(-982164),Rbms3(+472386)	N/A
Chr9	117161195	117161511	Chr9.119252	Tgfb2(-985990),Rbms3(+468560)	N/A
Chr9	117177684	117177870	Chr9.119275	Rbms3(+452131)	N/A
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Chr9	117182504	117182741	Chr9.119289	Rbms3(+447290)	N/A
Chr9	117197355	117197500	Chr9.119314	Rbms3(+432485)	N/A
Chr9	117200386	117200609	Chr9.119320	Rbms3(+429415)	N/A
Chr9	117217896	117218085	Chr9.119336	Rbms3(+411932)	N/A
Chr9	117246321	117246452	Chr9.119363	Rbms3(+383496)	N/A
Chr9	117246722	117246830	Chr9.119365	Rbms3(+383157)	N/A
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Chr9	117379957	117380214	Chr9.119532	Rbms3(+249827)	N/A
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Chr9	117442718	117442913	Chr9.119602	Rbms3(+187097)	N/A
Chr9	21352997	21353126	Chr9.11966	R3(-14957),Stc4a2(+15234)	N/A
Chr9	117566300	117566564	Chr9.119672	Rbms3(+63481)	N/A
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Chr9	117855540	117855692	Chr9.119967	Rbms3(-228703),Zcwpw2(+155544)	N/A

Chr9	117871821	117871943	Chr9.119989	<i>Rbms3(-241969),Zcwpw2(+142278)</i>	N/A
Chr9	118150752	118151026	Chr9.120181	<i>Cmc1(-693)</i>	N/A
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Chr9	118213354	118213484	Chr9.120241	<i>Eomes(-264923),Cmc1(-6223)</i>	N/A
Chr9	118255771	118256203	Chr9.120283	<i>Eomes(-222357),Cmc1(-105791)</i>	N/A
Chr9	21395760	21395912	Chr9.12030	<i>Qrt1(-16001),If3(+27817)</i>	N/A
Chr9	118278857	118278968	Chr9.120305	<i>Eomes(-199431),Cmc1(-128717)</i>	N/A
Chr9	118282796	118282920	Chr9.120312	<i>Eomes(-195486),Cmc1(-132662)</i>	N/A
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Chr9	118478979	118477124	Chr9.120482	<i>Eomes(-1293)</i>	N/A
Chr9	118519064	118519276	Chr9.120556	<i>Ilg9(-87520),Golga4(+12852)</i>	N/A
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Chr9	118677493	118677612	Chr9.120860	<i>Ctdspl(-248900),Ilg9(+70863)</i>	N/A
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Chr9	118728877	118728994	Chr9.120947	<i>Ctdspl(-197517),Ilg9(+122246)</i>	N/A
Chr9	118731006	118731126	Chr9.120950	<i>Ctdspl(-195387),Ilg9(+124376)</i>	N/A
Chr9	118731748	118731980	Chr9.120954	<i>Ctdspl(-194589),Ilg9(+125174)</i>	N/A
Chr9	118737924	118738089	Chr9.120961	<i>Ctdspl(-188446),Ilg9(+131317)</i>	N/A
Chr9	118756681	118756782	Chr9.120963	<i>Ctdspl(-169721),Ilg9(+150042)</i>	N/A
Chr9	21400536	21400748	Chr9.12099	<i>Qrt1(-11255),If3(-32623)</i>	N/A
Chr9	118794865	118795049	Chr9.121008	<i>Ctdspl(-131496),Ilg9(+188267)</i>	N/A
Chr9	118801473	118801757	Chr9.121012	<i>Ctdspl(-124838),Ilg9(+194925)</i>	N/A
Chr9	118814433	118814687	Chr9.121027	<i>Ctdspl(-111893),Ilg9(+207870)</i>	N/A
Chr9	21402744	21402849	Chr9.121111	<i>Qrt1(-9040),If3(+34778)</i>	N/A
Chr9	118928886	11892996	Chr9.121130	<i>Ctdspl(-33511),Ilg9(+28652)</i>	N/A
Chr9	118940436	118940620	Chr9.121150	<i>Vil(-112250),Ctdspl(-14075)</i>	N/A
Chr9	118960462	118960755	Chr9.121167	<i>Vil(-92169),Ctdspl(+34156)</i>	N/A
Chr9	118960784	118961027	Chr9.121170	<i>Vil(-91872),Ctdspl(+34453)</i>	N/A
Chr9	118994629	118994768	Chr9.121193	<i>Vil(-58079),Ctdspl(+68246)</i>	N/A
Chr9	119002381	119002552	Chr9.121195	<i>Vil(-50311),Ctdspl(+76014)</i>	N/A
Chr9	119024565	119024681	Chr9.121214	<i>Vil(-28155),Ctdspl(+98175)</i>	N/A
Chr9	119031767	119031907	Chr9.121232	<i>Vil(-20941),Ctdspl(+105384)</i>	N/A
Chr9	119033736	119033873	Chr9.121240	<i>Vil(-18973),Ctdspl(+107352)</i>	N/A
Chr9	119041600	119041769	Chr9.121254	<i>Vil(-11093),Ctdspl(+115232)</i>	N/A
Chr9	119043710	119043820	Chr9.121272	<i>Vil(-9013),Ctdspl(+117312)</i>	N/A
Chr9	119059505	119059608	Chr9.121461	<i>Ptcl(-19309),Xirp(-36779)</i>	N/A
Chr9	119240429	119240555	Chr9.121878	<i>Slc22a13(-31387),Oxsr1(-81935)</i>	N/A
Chr9	119403498	119403626	Chr9.122052	<i>Exog(-41389),Acvr2b(+1061)</i>	N/A
Chr9	119409355	119409458	Chr9.122060	<i>Exog(-35544),Acvr2b(+6906)</i>	N/A
Chr9	119439716	119439820	Chr9.122144	<i>Exog(-5183),Acvr2b(+37267)</i>	N/A
Chr9	119469781	119469914	Chr9.122211	<i>Exog(-24897),Scn5a(+109168)</i>	N/A
Chr9	119510911	119511142	Chr9.122298	<i>Exog(-66076),Scn5a(+67969)</i>	N/A
Chr9	119542489	119542610	Chr9.122418	<i>Scn5a(+36466),Exog(+97599)</i>	N/A
Chr9	119568073	119568207	Chr9.122466	<i>Scn5a(+10876),Exog(+123189)</i>	N/A
Chr9	21490612	21490722	Chr9.12247	<i>Tmed1(+19519),Dnm2(+65571)</i>	N/A
Chr9	119589080	119589198	Chr9.122476	<i>Scn5a(-10123),Scn10a(+129893)</i>	N/A
Chr9	119732037	119732227	Chr9.122734	<i>Scn10a(-13100),Scn11a(+93324)</i>	N/A
Chr9	119825501	119825741	Chr9.122926	<i>Scn11a(-219)</i>	N/A
Chr9	119888973	119889245	Chr9.122948	<i>Scn11a(-63653),Wdr48(-5786)</i>	N/A
Chr9	119925937	119926043	Chr9.123021	<i>Gorasp1(+11568),Wdr48(+31095)</i>	N/A
Chr9	21507388	21507496	Chr9.12304	<i>Tmed1(+2744),Dnm2(+82346)</i>	N/A
Chr9	119964386	119964548	Chr9.123185	<i>Camp1(+12783),Ttc21a(+26861)</i>	N/A
Chr9	119971163	119971318	Chr9.123221	<i>Camp1(+6009),Ttc21a(+33635)</i>	N/A
Chr9	119978611	119978723	Chr9.123299	<i>Camp1(-1417)</i>	N/A
Chr9	119981321	119981553	Chr9.123302	<i>Camp1(-4187)</i>	N/A
Chr9	119982059	119982172	Chr9.123304	<i>Camp1(-4866)</i>	N/A
Chr9	119982974	119983074	Chr9.123308	<i>Camp1(-5774),Xirp1(+40574)</i>	N/A
Chr9	119986304	119986459	Chr9.123312	<i>Camp1(-9132),Xirp1(+37216)</i>	N/A
Chr9	20015124	20015293	Chr9.123327	<i>Camp1(-37959),Xirp1(+43899)</i>	N/A
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Chr9	20016327	20016435	Chr9.123338	<i>Camp1(-39131),Xirp1(+7217)</i>	N/A
Chr9	20128781	20128933	Chr9.123598	<i>Mobp(-20885),Rpsa(+1091)</i>	N/A
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Chr9	20360826	20361007	Chr9.123654	<i>Elf1b(-131689),Myrip(+56891)</i>	N/A
Chr9	20449865	20450054	Chr9.123709	<i>Elf1b(-42646),Myrip(+146024)</i>	N/A
Chr9	20472768	20473084	Chr9.123736	<i>Elf1b(-19680),Myrip(+168990)</i>	N/A
Chr9	20478459	20478619	Chr9.123746	<i>Elf1b(-14067),Myrip(+174603)</i>	N/A
Chr9	20541594	20541696	Chr9.123765	<i>Rpl14(-29872),Entpd3(+1827)</i>	N/A
Chr9	20590833	20590997	Chr9.123845	<i>Ctnnb1(-342485),Rpl14(+19398)</i>	N/A
Chr9	20594538	20595039	Chr9.123845	<i>Ctnnb1(-339461),Rpl14(+23422)</i>	N/A
Chr9	20629194	20629374	Chr9.123863	<i>Ctnnb1(-304116),Rpl14(+57767)</i>	N/A
Chr9	20646670	20646954	Chr9.123868	<i>Ctnnb1(-286588),Rpl14(+75295)</i>	N/A
Chr9	20653214	20653371	Chr9.123869	<i>Ctnnb1(-280107),Rpl14(+81776)</i>	N/A
Chr9	20653433	20653563	Chr9.123872	<i>Ctnnb1(-279902),Rpl14(+81981)</i>	N/A
Chr9	20658860	20658815	Chr9.123879	<i>Ctnnb1(-274662),Rpl14(+87231)</i>	N/A
Chr9	20674616	20674764	Chr9.123882	<i>Ctnnb1(-258710),Rpl14(+103173)</i>	N/A
Chr9	20676538	20676857	Chr9.123883	<i>Ctnnb1(-256702),Rpl14(+105181)</i>	N/A
Chr9	20689296	20689640	Chr9.123888	<i>Ctnnb1(-243932),Rpl14(+117951)</i>	N/A
Chr9	20691252	20691378	Chr9.123893	<i>Ctnnb1(-242085),Rpl14(+119798)</i>	N/A
Chr9	20721405	20721538	Chr9.123908	<i>Ctnnb1(-211929),Rpl14(+149655)</i>	N/A
Chr9	20721699	20721898	Chr9.123911	<i>Ctnnb1(-211787),Rpl14(+150116)</i>	N/A
Chr9	20734381	20734562	Chr9.123917	<i>Ctnnb1(-198928),Rpl14(+162955)</i>	N/A
Chr9	20734738	20735116	Chr9.123920	<i>Ctnnb1(-198473),Rpl14(+163410)</i>	N/A
Chr9	20735326	20735480	Chr9.123925	<i>Ctnnb1(-197997),Rpl14(+163886)</i>	N/A
Chr9	20736048	20736187	Chr9.123929	<i>Ctnnb1(-197293),Rpl14(+164591)</i>	N/A
Chr9	20739358	20739610	Chr9.123933	<i>Ctnnb1(-193916),Rpl14(+167967)</i>	N/A
Chr9	20739645	20739812	Chr9.123936	<i>Ctnnb1(-193671),Rpl14(+168212)</i>	N/A
Chr9	20769396	20769590	Chr9.123955	<i>Ctnnb1(-163907),Rpl14(+197876)</i>	N/A
Chr9	20776786	20776897	Chr9.123964	<i>Ctnnb1(-156558),Rpl14(+205325)</i>	N/A
Chr9	20778482	20778736	Chr9.123966	<i>Ctnnb1(-154791),Rpl14(+207092)</i>	N/A
Chr9	20862461	20862581	Chr9.124022	<i>Ctnnb1(-70879),Rpl14(+291004)</i>	N/A
Chr9	20865113	20865221	Chr9.124025	<i>Ctnnb1(-68233),Rpl14(+283659)</i>	N/A
Chr9	20866650	20867045	Chr9.124032	<i>Ctnnb1(-66452),Rpl14(+295431)</i>	N/A
Chr9	20869742	20870199	Chr9.124037	<i>Ctnnb1(-63429),Rpl14(+298454)</i>	N/A
Chr9	20884743	20884842	Chr9.124053	<i>Ctnnb1(-48607),Rpl14(+313276)</i>	N/A
Chr9	209292157	209292301	Chr9.124074	<i>Ctnnb1(-111717),Rpl14(+350712)</i>	N/A
Chr9	20929737	20929976	Chr9.124086	<i>Ctnnb1(-3543)</i>	N/A
Chr9	20934502	20934616	Chr9.124103	<i>Ctnnb1(+1159),Ulk4(+342638)</i>	N/A
Chr9	20974730	20974865	Chr9.124160	<i>Ctnnb1(+41398),Ulk4(+302399)</i>	N/A
Chr9	20975995	20976111	Chr9.124163	<i>Ctnnb1(+42653),Ulk4(+301144)</i>	N/A
Chr9	20981535	20981780	Chr9.124170	<i>Ctnnb1(+48258),Ulk4(+295539)</i>	N/A
Chr9	20992963	20993108	Chr9.124178	<i>Ctnnb1(+59636),Ulk4(+284161)</i>	N/A
Chr9	21010887	21011045	Chr9.124185	<i>Ctnnb1(+67566),Ulk4(+276231)</i>	N/A
Chr9	21010214	210102208	Chr9.124188	<i>Ctnnb1(+68756),Ulk4(+275041)</i>	N/A
Chr9	21019989	21020358	Chr9.124209	<i>Ctnnb1(+86774),Ulk4(+257023)</i>	N/A
Chr9	21032552	21032772	Chr9.124217	<i>Ctnnb1(+99262),Ulk4(+244535)</i>	N/A
Chr9	21038073	21038308	Chr9.124225	<i>Ctnnb1(+104791),Ulk4(+239006)</i>	N/A
Chr9	21062044	21062213	Chr9.124232	<i>Ctnnb1(+128779),Ulk4(+215018)</i>	N/A
Chr9	21098213	21098383	Chr9.124261	<i>Ctnnb1(+164988),Ulk4(+178899)</i>	N/A
Chr9	21588648	21588779	Chr9.12429	<i>Tmm29(-4008)</i>	N/A
Chr9	21345651	21345777	Chr9.124409	<i>Ulk4(-68517),Trak1(-21244)</i>	N/A
Chr9	21364178	21364302	Chr9.124422	<i>Trak1(-2718)</i>	N/A
Chr9	21368875	21367002	Chr9.124425	<i>Trak1(-19)</i>	N/A
Chr9	214033231	21403398	Chr9.124438	<i>Trak1(+36357),Cck(+92374)</i>	N/A
Chr9	21403654	21403814	Chr9.124445	<i>Trak1(+36776),Cck(+91955)</i>	N/A
Chr9	21416142	21416260	Chr9.124455	<i>Trak1(+49243),Cck(+79488)</i>	N/A
Chr9	21470194	21470327	Chr9.124563	<i>Cck(+25428),Trak1(+103303)</i>	N/A
Chr9	21506921	21507052	Chr9.124617	<i>Cck(-11298),Lyz2(+134579)</i>	N/A
Chr9	21553367	21553561	Chr9.124640	<i>Cck(-59775),Lyz2(+86102)</i>	N/A
Chr9	21595213	21595315	Chr9.124675	<i>Cck(-99570),Lyz2(+46302)</i>	N/A
Chr9	21600576	21600688	Chr9.124681	<i>Cck(-104943),Lyz2(+40934)</i>	N/A
Chr9	21656520	21656675	Chr9.124706	<i>Vipr1(+13882),Sec22c(+48431)</i>	N/A
Chr9	21672456	21672594	Chr9.124761	<i>Vipr1(+29809),Sec22c(+32504)</i>	N/A
Chr9	21759248	21759381	Chr9.124939	<i>Zfp651(-718)</i>	N/A
Chr9	21791899	21792040	Chr9.125099	<i>Hthal(-537)</i>	N/A
Chr9	21808661	21808772	Chr9.125131	<i>Hthal(-16210),Cdc13(+30744)</i>	N/A
Chr9	21820140	21820273	Chr9.125172	<i>Hthal(-27700),Cdc13(+19254)</i>	N/A
Chr9	21952726	21952835	Chr9.125328	<i>Gask1a(+1793),Pomgn2(+43245)</i>	N/A
Chr9	22048267	22048371	Chr9.125490	<i>Snrk(-69020),Pomgn2(-52293)</i>	N/A
Chr9	22085162	22085312	Chr9.125525	<i>Pomgn2(-89211),Snrk(-32102)</i>	N/A
Chr9	22085678	22085785	Chr9.125532	<i>Pomgn2(-89706),Snrk(-31607)</i>	N/A
Chr9	22085818	22085995	Chr9.125533	<i>Pomgn2(-89881),Snrk(-31432)</i>	N/A
Chr9	22118393	22118587	Chr9.125556	<i>Snrk(+1151),Ano10(+175884)</i>	N/A
Chr9	22199125	22199260	Chr9.125641	<i>Snrk(+81854),Ano10(+95181)</i>	N/A
Chr9	22452214	22452331	Chr9.125817	<i>Topaz1(-295073),Abhd5(+100665)</i>	N/A
Chr9	22475468	22475619	Chr9.125823	<i>Topaz1(-271802),Abhd5(+123936)</i>	N/A
Chr9	22534366	22534521	Chr9.125864	<i>Topaz1(-212802),Abhd5(+182639)</i>	N/A

Chr9	122593219	122593389	Chr9.125922	Topaz1(-154042),Abhd5(+241696)	N/A
Chr9	122629208	122629317	Chr9.125958	Topaz1(-118083),Abhd5(+277655)	N/A
Chr9	122675194	122675418	Chr9.125996	Topaz1(-72040),Abhd5(+223698)	N/A
Chr9	122714378	122714682	Chr9.126020	Topaz1(-32816),Abhd5(+362822)	N/A
Chr9	123384712	123384854	Chr9.126630	Limd1(-93918),Lars2(+17843)	N/A
Chr9	123457314	123457448	Chr9.126744	Limd1(-21320),Lars2(+90441)	N/A
Chr9	123473817	123473951	Chr9.126768	Limd1(-4817)	N/A
Chr9	12723492	21723624	Chr9.12689	Ldlr(-18)	N/A
Chr9	123732701	123732820	Chr9.127058	Ccr9(-41778),Lztf1(-15136)	N/A
Chr9	21796642	21796746	Chr9.12928	Spz2(-36408),Karl2(+1852)	N/A
Chr9	22015005	22015115	Chr9.13623	Prkcsb(+12025),Elavl3(+36963)	N/A
Chr9	22016293	22016397	Chr9.13629	Prkcsb(+13310),Elavl3(+35678)	N/A
Chr9	22016827	22016962	Chr9.13633	Prkcsb(+13860),Elavl3(+35128)	N/A
Chr9	22071335	22071489	Chr9.13723	Zfp553(-67)	N/A
Chr9	22080693	220806193	Chr9.13705	Cnn1(-5138)	N/A
Chr9	22475661	22475764	Chr9.14037	Bbs9(-18)	N/A
Chr9	22529241	22529591	Chr9.14077	Bmper(-693660),Bbs9(+53685)	N/A
Chr9	22529657	22530055	Chr9.14084	Bmper(-693220),Bbs9(+54125)	N/A
Chr9	22530233	22530355	Chr9.14090	Bmper(-692782),Bbs9(+54563)	N/A
Chr9	22530467	22530581	Chr9.14095	Bmper(-692552),Bbs9(+54793)	N/A
Chr9	22548930	22549033	Chr9.14114	Bmper(-674094),Bbs9(+73251)	N/A
Chr9	22597527	22597977	Chr9.14174	Bmper(-625324),Bbs9(+122021)	N/A
Chr9	22599410	22599530	Chr9.14182	Bmper(-623606),Bbs9(+123739)	N/A
Chr9	22649773	22650029	Chr9.14261	Bmper(-573175),Bbs9(+174170)	N/A
Chr9	22686859	22687184	Chr9.14289	Bmper(-536054),Bbs9(+211291)	N/A
Chr9	22707869	22707904	Chr9.14311	Bmper(-515279),Bbs9(+232062)	N/A
Chr9	22709304	22709545	Chr9.14315	Bmper(-515651),Bbs9(+233694)	N/A
Chr9	22716165	22716410	Chr9.14327	Bmper(-506788),Bbs9(+240557)	N/A
Chr9	22765613	22765754	Chr9.14377	Bmper(-457392),Bbs9(+289953)	N/A
Chr9	22767976	22768154	Chr9.14380	Bmper(-455011),Bbs9(+292334)	N/A
Chr9	22789565	22789928	Chr9.14417	Bmper(-433239),Bbs9(+314016)	N/A
Chr9	22790436	22790579	Chr9.14428	Bmper(-432568),Bbs9(+314772)	N/A
Chr9	22797373	22797523	Chr9.14456	Bmper(-428628),Bbs9(+321717)	N/A
Chr9	22797590	22797857	Chr9.14480	Bmper(-425352),Bbs9(+321993)	N/A
Chr9	22800687	22801022	Chr9.14468	Bmper(-422221),Bbs9(+325124)	N/A
Chr9	22870784	22870898	Chr9.14562	Bmper(-352236),Bbs9(+395109)	N/A
Chr9	22945755	22945931	Chr9.14608	Bmper(-277233),Bbs9(+470112)	N/A
Chr9	22962426	22962752	Chr9.14632	Bmper(-260487),Bbs9(+486558)	N/A
Chr9	22967184	22967396	Chr9.14646	Bmper(-255786),Bbs9(+491559)	N/A
Chr9	22979657	22980105	Chr9.14663	Bmper(-243195),Bbs9(+504150)	N/A
Chr9	23003662	23003889	Chr9.14695	Bmper(-219300),Bbs9(+528045)	N/A
Chr9	23003990	23004091	Chr9.14701	Bmper(-219035),Bbs9(+528310)	N/A
Chr9	23005413	23005551	Chr9.14709	Bmper(-217594),Bbs9(+529751)	N/A
Chr9	23005703	23005816	Chr9.14712	Bmper(-217316),Bbs9(+530029)	N/A
Chr9	23009764	23009959	Chr9.14720	Bmper(-213214),Bbs9(+534131)	N/A
Chr9	23041523	23041633	Chr9.14785	Bmper(-181498),Bbs9(+565847)	N/A
Chr9	23045619	23045937	Chr9.14797	Bmper(-177298),Bbs9(+570047)	N/A
Chr9	23062458	23062959	Chr9.14806	Bmper(-160362),Bbs9(+586968)	N/A
Chr9	23068195	23068388	Chr9.14821	Bmper(-154784),Bbs9(+592561)	N/A
Chr9	23066522	23066753	Chr9.14874	Bmper(-126438),Bbs9(+620907)	N/A
Chr9	23097135	23097409	Chr9.14876	Bmper(-125804),Bbs9(+621541)	N/A
Chr9	23097622	23097785	Chr9.14883	Bmper(-125372),Bbs9(+621973)	N/A
Chr9	23100203	23100368	Chr9.14896	Bmper(-122790),Bbs9(+624555)	N/A
Chr9	23125727	23125965	Chr9.14927	Bmper(-87230),Bbs9(+650115)	N/A
Chr9	23126021	23126245	Chr9.14933	Bmper(-86943),Bbs9(+650402)	N/A
Chr9	23139735	23140005	Chr9.14949	Bmper(-83206),Bbs9(+664139)	N/A
Chr9	23157096	23157201	Chr9.14977	Bmper(-65927),Bbs9(+681418)	N/A
Chr9	23171505	23171626	Chr9.14985	Bmper(-51510),Bbs9(+695835)	N/A
Chr9	23224222	23224376	Chr9.15058	Npsr1(-873719),Bmper(+1223)	N/A
Chr9	23226182	23226388	Chr9.15084	Npsr1(-869743),Bmper(+1199)	N/A
Chr9	23243970	23244079	Chr9.15124	Npsr1(-853993),Bmper(+20949)	N/A
Chr9	23245870	23246016	Chr9.15129	Npsr1(-852075),Bmper(+22867)	N/A
Chr9	23246294	23246525	Chr9.15129	Npsr1(-851608),Bmper(+23334)	N/A
Chr9	23251686	23251794	Chr9.15149	Npsr1(-846278),Bmper(+28664)	N/A
Chr9	23253977	23254092	Chr9.15155	Npsr1(-843893),Bmper(+30595)	N/A
Chr9	23363229	23363592	Chr9.15262	Npsr1(-734607),Bmper(+140335)	N/A
Chr9	23385582	23385719	Chr9.15325	Npsr1(-712367),Bmper(+162575)	N/A
Chr9	23386077	23386206	Chr9.15330	Npsr1(-711876),Bmper(+163066)	N/A
Chr9	23442218	23442320	Chr9.15432	Npsr1(-655749),Bmper(+219193)	N/A
Chr9	23652724	23652847	Chr9.15538	Npsr1(-446232),Bmper(+429710)	N/A
Chr9	24785533	24785669	Chr9.15927	Gm10181(-30380),Tbx20(-11313)	N/A
Chr9	24955644	24956742	Chr9.16083	Tbx20(-182340),Gm10181(-132779)	N/A
Chr9	24974216	24974829	Chr9.16099	Tbx20(-200220),Gm10181(-114899)	N/A
Chr9	25091394	25091515	Chr9.16165	Gm10181(+2033),Hesud2(+60326)	N/A
Chr9	25175036	25175476	Chr9.16230	Sept7(-77183),Hesud2(-23475)	N/A
Chr9	25201891	25202158	Chr9.16246	Sept7(-59414),Hesud2(-50244)	N/A
Chr9	25212697	25212970	Chr9.16262	Hesud2(-61053),Sept7(-39605)	N/A
Chr9	25213011	25213187	Chr9.16266	Hesud2(-61318),Sept7(-39340)	N/A
Chr9	25219033	25219364	Chr9.16280	Hesud2(-67418),Sept7(-33240)	N/A
Chr9	25219968	25220161	Chr9.16285	Hesud2(-68284),Sept7(-32374)	N/A
Chr9	25255400	25255499	Chr9.16322	Eepd1(-228097),Sept7(+1011)	N/A
Chr9	25378129	25378362	Chr9.16373	Eepd1(-103301),Sept7(+128607)	N/A
Chr9	25378397	25378532	Chr9.16378	Eepd1(-103082),Sept7(+126026)	N/A
Chr9	25519365	25519494	Chr9.16446	Eepd1(+37883)	N/A
Chr9	27030638	27030742	Chr9.16941	Vps26b(-596),Ncapd3(+515)	N/A
Chr9	27153962	27154138	Chr9.17179	Jam3(+1371),Ncapd3(+123875)	N/A
Chr9	27185967	27186068	Chr9.17201	Igsf9b(-11312),Jam3(-30597)	N/A
Chr9	27192674	27192764	Chr9.17211	Igsf9b(-106529),Jam3(-37280)	N/A
Chr9	27256602	27256708	Chr9.17258	Jam3(-101234),Igsf9b(-42575)	N/A
Chr9	27288453	27288615	Chr9.17280	Jam3(-133113),Igsf9b(-10696)	N/A
Chr9	27290037	27290241	Chr9.17286	Jam3(-134718),Igsf9b(-9091)	N/A
Chr9	27296767	27296880	Chr9.17298	Igsf9b(-406)	N/A
Chr9	27298966	27299276	Chr9.17300	Igsf9b(-109)	N/A
Chr9	27321386	27321491	Chr9.17366	Spata19(-75382),Igsf9b(+22209)	N/A
Chr9	27410857	27411090	Chr9.17525	Opcml(-379973),Spata19(+14153)	N/A
Chr9	27437156	27437373	Chr9.17537	Opcml(-353682),Spata19(+40444)	N/A
Chr9	27437817	27437841	Chr9.17542	Opcml(-353236),Spata19(+40990)	N/A
Chr9	27599158	27599259	Chr9.17682	Opcml(-221738),Spata19(+172388)	N/A
Chr9	27729146	27729269	Chr9.17815	Opcml(-61739),Spata19(+332387)	N/A
Chr9	27791059	27791179	Chr9.17866	Opcml(+172)	N/A
Chr9	27986861	27987049	Chr9.18065	Opcml(+196008)	N/A
Chr9	28028938	28029188	Chr9.18139	Opcml(+238116)	N/A
Chr9	28084378	28084488	Chr9.18224	Opcml(+293488)	N/A
Chr9	28136488	28136811	Chr9.18325	Opcml(+345703)	N/A
Chr9	28281760	28282016	Chr9.18524	Opcml(+490941)	N/A
Chr9	28306568	28306714	Chr9.18576	Opcml(+515694)	N/A
Chr9	28307086	28307230	Chr9.18578	Opcml(+516211)	N/A
Chr9	28331163	28331342	Chr9.18602	Opcml(+540306)	N/A
Chr9	28380869	28387001	Chr9.18653	Opcml(+595989)	N/A
Chr9	28403817	28404107	Chr9.18660	Opcml(+613015)	N/A
Chr9	28481034	28481138	Chr9.18796	Opcml(+690139)	N/A
Chr9	28482025	28482151	Chr9.18790	Opcml(+691141)	N/A
Chr9	28561855	28562013	Chr9.18881	Opcml(+770987)	N/A
Chr9	28568931	28569197	Chr9.18893	Opcml(+778117)	N/A
Chr9	28589243	28589421	Chr9.18901	Opcml(+773885)	N/A
Chr9	28625004	28625296	Chr9.18960	Opcml(+834188)	N/A
Chr9	29071572	29071825	Chr9.19539	Ntm(+891430)	N/A
Chr9	29154418	29154636	Chr9.19683	Ntm(+808602)	N/A
Chr9	29220633	29220837	Chr9.19802	Ntm(+742394)	N/A
Chr9	29247962	29248153	Chr9.19871	Ntm(+715071)	N/A
Chr9	29267792	29267943	Chr9.19907	Ntm(+692561)	N/A
Chr9	29317141	29317416	Chr9.19983	Ntm(+645850)	N/A
Chr9	29318855	29319075	Chr9.19990	Ntm(+644164)	N/A
Chr9	29412531	29412637	Chr9.20110	Ntm(+550545)	N/A
Chr9	29428566	29428781	Chr9.20141	Ntm(+534455)	N/A
Chr9	29434666	29434817	Chr9.20154	Ntm(+528387)	N/A
Chr9	29564758	29564927	Chr9.20309	Ntm(+398286)	N/A
Chr9	29596133	29596251	Chr9.20364	Ntm(+366937)	N/A
Chr9	29616548	29616723	Chr9.20392	Ntm(+346493)	N/A
Chr9	29727944	29728073	Chr9.20520	Ntm(+235120)	N/A
Chr9	29750383	29750623	Chr9.20533	Ntm(+212526)	N/A
Chr9	29827346	29827547	Chr9.20686	Ntm(+135682)	N/A
Chr9	29832926	29833027	Chr9.20692	Ntm(+130152)	N/A
Chr9	29875110	29875233	Chr9.20760	Ntm(+87957)	N/A
Chr9	29892589	29892761	Chr9.20778	Ntm(+70454)	N/A
Chr9	29922838	29923007	Chr9.20835	Ntm(+40206)	N/A
Chr9	29943436	29943753	Chr9.20871	Ntm(+19534)	N/A
Chr9	29962908	29962908	Chr9.20900	Ntm(+371)	N/A

Chr9	29962995	29963175	Chr9.20906	Ntm(+44)	N/A
Chr9	29963308	29963409	Chr9.20908	Ntm(-230)	N/A
Chr9	29967915	29968052	Chr9.20917	Ntm(-4855)	N/A
Chr9	30140190	30140470	Chr9.21085	Snx19(-286999),Ntm(-177201)	N/A
Chr9	30150284	30150463	Chr9.21107	Snx19(-278955),Ntm(-187245)	N/A
Chr9	30167068	30167446	Chr9.21135	Snx19(-260072),Ntm(-204128)	N/A
Chr9	30209545	30209843	Chr9.21195	Ntm(-246565),Snx19(-217635)	N/A
Chr9	30216465	30216795	Chr9.21203	Ntm(-253501),Snx19(-210699)	N/A
Chr9	30233044	30233172	Chr9.21214	Ntm(-269979),Snx19(-194221)	N/A
Chr9	30284847	30285070	Chr9.21293	Ntm(-321830),Snx19(-142370)	N/A
Chr9	30314790	30315070	Chr9.21325	Ntm(-351801),Snx19(-112399)	N/A
Chr9	30315126	30315268	Chr9.21331	Ntm(-352068),Snx19(-112132)	N/A
Chr9	30370362	30370500	Chr9.21344	Ntm(-407302),Snx19(-56898)	N/A
Chr9	30449930	30450077	Chr9.21454	Snx19(-22875),Adams15(+472448)	N/A
Chr9	30521197	30521314	Chr9.21550	Snx19(-93927),Adams15(+401196)	N/A
Chr9	30533396	30533511	Chr9.21565	Snx19(+106125),Adams15(+388998)	N/A
Chr9	30571156	30571502	Chr9.21602	Snx19(+144000),Adams15(+351123)	N/A
Chr9	7604164	7604384	Chr9.2163	Mmp20(-23957),Mmp27(+32816)	N/A
Chr9	30632396	30632498	Chr9.21700	Snx19(+205118),Adams15(+290005)	N/A
Chr9	30632528	30632646	Chr9.21704	Snx19(+205258),Adams15(+289665)	N/A
Chr9	30632929	30633171	Chr9.21708	Snx19(+205721),Adams15(+289402)	N/A
Chr9	30633820	30633962	Chr9.21711	Snx19(+206562),Adams15(+288561)	N/A
Chr9	30649453	30649618	Chr9.21723	Snx19(+222207),Adams15(+272916)	N/A
Chr9	30716484	30716639	Chr9.21763	Adams15(+205890),Snx19(+289233)	N/A
Chr9	30740944	30741172	Chr9.21802	Adams15(+181394),Snx19(+313729)	N/A
Chr9	30768898	30769249	Chr9.21831	Adams15(+153378),Snx19(+341745)	N/A
Chr9	30784378	30784579	Chr9.21847	Adams15(+137973),Snx19(+357150)	N/A
Chr9	30808870	30808999	Chr9.21863	Adams15(+113517),Snx19(+381606)	N/A
Chr9	30816466	30816642	Chr9.21876	Adams15(+105898),Snx19(+389225)	N/A
Chr9	30835082	30835181	Chr9.21907	Adams15(+87320),Snx19(+407803)	N/A
Chr9	30844149	30844277	Chr9.21915	Adams15(-78239),Snx19(+16894)	N/A
Chr9	30845840	30845947	Chr9.21919	Adams15(+76558),Snx19(+165565)	N/A
Chr9	30901573	30901715	Chr9.21962	Adams15(+20808),Snx19(+474315)	N/A
Chr9	30919076	30919191	Chr9.22057	Adams15(+3318),Snx19(+491805)	N/A
Chr9	30919812	30919964	Chr9.22067	Adams15(+2564),Snx19(+492559)	N/A
Chr9	30944459	30944175	Chr9.22127	Zbtb44(-86525),Adams8(+1537)	N/A
Chr9	30976942	30977028	Chr9.22248	Zbtb44(-53710),Adams8(+34372)	N/A
Chr9	30985751	30986086	Chr9.22281	Zbtb44(-44725),Adams8(+43357)	N/A
Chr9	30997253	30997355	Chr9.22278	Zbtb44(-33340),Adams8(+54742)	N/A
Chr9	31181795	31182181	Chr9.22563	St14(-50135),Aplp2(+29827)	N/A
Chr9	31211798	31211900	Chr9.22589	Aplp2(-34)	N/A
Chr9	31232408	31232596	Chr9.22606	Prdm10(-82605),Aplp2(-20687)	N/A
Chr9	31280264	31280609	Chr9.22615	Aplp2(-68729),Prdm10(-34670)	N/A
Chr9	31321272	31321389	Chr9.22637	Nfrikb(-64861),Prdm10(+6224)	N/A
Chr9	31344388	31344505	Chr9.22685	Nfrikb(-41745),Prdm10(+29340)	N/A
Chr9	31566334	31566433	Chr9.22946	Tmem45b(-102146),Barx2(+347078)	N/A
Chr9	31566468	31566621	Chr9.22950	Tmem45b(-102307),Barx2(+346917)	N/A
Chr9	31581256	31581368	Chr9.22971	Tmem45b(-117074),Barx2(+33150)	N/A
Chr9	31584037	31584144	Chr9.22974	Tmem45b(-119853),Barx2(+329371)	N/A
Chr9	31584189	31584370	Chr9.22977	Tmem45b(-120042),Barx2(+329182)	N/A
Chr9	31604745	31604904	Chr9.22989	Tmem45b(-140587),Barx2(+308637)	N/A
Chr9	31682084	31682303	Chr9.23023	Tmem45b(-217956),Barx2(+231268)	N/A
Chr9	31683947	31683762	Chr9.23027	Tmem45b(-219467),Barx2(+229757)	N/A
Chr9	31708223	31708333	Chr9.23054	Tmem45b(-244040),Barx2(+205194)	N/A
Chr9	31730148	31730263	Chr9.23080	Tmem45b(-265968),Barx2(+183256)	N/A
Chr9	31840074	31840190	Chr9.23110	Tmem45b(-375894),Barx2(+73330)	N/A
Chr9	31849434	31849568	Chr9.23127	Tmem45b(-385263),Barx2(+63961)	N/A
Chr9	31856596	31856787	Chr9.23144	Tmem45b(-392444),Barx2(+56780)	N/A
Chr9	31860367	31860550	Chr9.23178	Tmem45b(-422221),Barx2(+27003)	N/A
Chr9	31984350	31984520	Chr9.23260	Arhgap32(-131701),Barx2(-70973)	N/A
Chr9	31984715	31984862	Chr9.23264	Arhgap32(-131347),Barx2(-71327)	N/A
Chr9	31989619	31989752	Chr9.23273	Arhgap32(-126450),Barx2(-76224)	N/A
Chr9	31997256	31997459	Chr9.23288	Arhgap32(-118778),Barx2(-83896)	N/A
Chr9	31997749	31997850	Chr9.23294	Arhgap32(-118336),Barx2(-84338)	N/A
Chr9	32016451	32016610	Chr9.23308	Barx2(-103069),Arhgap32(-99605)	N/A
Chr9	32020973	32021073	Chr9.23319	Barx2(-107561),Arhgap32(-95113)	N/A
Chr9	32021507	32021614	Chr9.23325	Barx2(-108099),Arhgap32(-94575)	N/A
Chr9	32033486	32033643	Chr9.23352	Barx2(-120103),Arhgap32(-82571)	N/A
Chr9	32116402	32116584	Chr9.23395	Arhgap32(+357)	N/A
Chr9	32264110	32264220	Chr9.23641	Kcnj5(-80072),Arhgap32(+148029)	N/A
Chr9	32400714	32400904	Chr9.23786	Kcnj1(+6824),Fil1(-140580)	N/A
Chr9	32409641	32409830	Chr9.23773	Kcnj1(+15751),Fil1(+131653)	N/A
Chr9	32417346	32417690	Chr9.23779	Kcnj1(+23533),Fil1(+123871)	N/A
Chr9	32431139	32431283	Chr9.23820	Kcnj1(+37226),Fil1(+110178)	N/A
Chr9	32434746	32434850	Chr9.23826	Kcnj1(+40813),Fil1(+106591)	N/A
Chr9	32444325	32444135	Chr9.23840	Kcnj1(+49959),Fil1(+97409)	N/A
Chr9	32444267	32444398	Chr9.23845	Kcnj1(+50348),Fil1(+97056)	N/A
Chr9	32453670	32453872	Chr9.23864	Kcnj1(+59786),Fil1(+87618)	N/A
Chr9	32463743	32463879	Chr9.23885	Kcnj1(+69826),Fil1(+77578)	N/A
Chr9	32465172	32465323	Chr9.23891	Kcnj1(+71263),Fil1(+76141)	N/A
Chr9	32467291	32467639	Chr9.23898	Kcnj1(+73480),Fil1(+73924)	N/A
Chr9	32470353	32470462	Chr9.23906	Fil1(-70861),Kcnj1(+76423)	N/A
Chr9	32495063	32495370	Chr9.23938	Fil1(+46172),Kcnj1(+101232)	N/A
Chr9	32495799	32495964	Chr9.23942	Fil1(+45507),Kcnj1(+101897)	N/A
Chr9	32504180	32504371	Chr9.23957	Fil1(+37113),Kcnj1(+110291)	N/A
Chr9	32506290	32506481	Chr9.23964	Fil1(+35003),Kcnj1(+112401)	N/A
Chr9	32508624	32508990	Chr9.23971	Fil1(-32482),Kcnj1(+114922)	N/A
Chr9	32518781	32518928	Chr9.23980	Fil1(+22534),Kcnj1(+124870)	N/A
Chr9	32519210	32519459	Chr9.23993	Fil1(+22054),Kcnj1(+125350)	N/A
Chr9	32519823	32519962	Chr9.24001	Fil1(+21496),Kcnj1(+125908)	N/A
Chr9	32539332	32539487	Chr9.24022	Fil1(+1979),Kcnj1(+145425)	N/A
Chr9	32541185	32541463	Chr9.24033	Fil1(+65)	N/A
Chr9	32541596	32541745	Chr9.24034	Fil1(-282)	N/A
Chr9	32542920	32543025	Chr9.24039	Fil1(-1584)	N/A
Chr9	32543064	32543221	Chr9.24040	Fil1(-1754)	N/A
Chr9	32543285	32543389	Chr9.24041	Fil1(-1948)	N/A
Chr9	32544106	32544300	Chr9.24043	Fil1(-2814)	N/A
Chr9	32545157	32545412	Chr9.24049	Fil1(-3868)	N/A
Chr9	32546599	32546787	Chr9.24054	Ets1(-149349),Fil1(-5304)	N/A
Chr9	32549538	32549644	Chr9.24064	Ets1(-146451),Fil1(-8202)	N/A
Chr9	32550548	32550772	Chr9.24065	Ets1(-145382),Fil1(-9271)	N/A
Chr9	32556310	32556536	Chr9.24077	Ets1(-139619),Fil1(-15034)	N/A
Chr9	32560724	32560883	Chr9.24081	Ets1(-135238),Fil1(-19415)	N/A
Chr9	32567530	32567943	Chr9.24098	Ets1(-128305),Fil1(-26348)	N/A
Chr9	32595294	32595481	Chr9.24114	Ets1(-100654),Fil1(-53999)	N/A
Chr9	32607321	32607430	Chr9.24128	Ets1(-88668),Fil1(-65987)	N/A
Chr9	32613088	32613257	Chr9.24133	Ets1(-82869),Fil1(-71784)	N/A
Chr9	32613315	32613494	Chr9.24138	Ets1(-82637),Fil1(-72016)	N/A
Chr9	32627357	32627458	Chr9.24161	Fil1(-86019),Ets1(-68634)	N/A
Chr9	32636149	32636267	Chr9.24174	Fil1(-94819),Ets1(-59834)	N/A
Chr9	32637474	32637595	Chr9.24180	Fil1(-96146),Ets1(-58507)	N/A
Chr9	32646806	32647027	Chr9.24189	Fil1(-105528),Ets1(-49125)	N/A
Chr9	32668169	32668495	Chr9.24231	Fil1(-126943),Ets1(-27710)	N/A
Chr9	32669919	32670212	Chr9.24236	Fil1(-128677),Ets1(-25978)	N/A
Chr9	32672314	32672460	Chr9.24244	Fil1(-130998),Ets1(-23655)	N/A
Chr9	32672503	32672719	Chr9.24246	Fil1(-131222),Ets1(-23431)	N/A
Chr9	32675756	32675992	Chr9.24252	Fil1(-134485),Ets1(-20168)	N/A
Chr9	32676023	32676195	Chr9.24254	Fil1(-134720),Ets1(-19933)	N/A
Chr9	7902550	7902651	Chr9.2426	Birc3(-29577),Yap1(+101995)	N/A
Chr9	32685779	32686098	Chr9.24269	Fil1(-144550),Ets1(-10103)	N/A
Chr9	32686177	32686331	Chr9.24271	Fil1(-144865),Ets1(-9788)	N/A
Chr9	32691587	32691792	Chr9.24285	Ets1(-4352)	N/A
Chr9	32702733	32702901	Chr9.24321	Ets1(+6775)	N/A
Chr9	32709441	32709543	Chr9.24334	Ets1(+13450)	N/A
Chr9	32711087	32711265	Chr9.24339	Ets1(+15134)	N/A
Chr9	32711429	32711539	Chr9.24342	Ets1(+15442)	N/A
Chr9	32716183	32716354	Chr9.24355	Ets1(+20227)	N/A
Chr9	32717641	32717771	Chr9.24360	Ets1(+21664)	N/A
Chr9	32718148	32718276	Chr9.24363	Ets1(+22170)	N/A
Chr9	32720268	32720653	Chr9.24365	Ets1(+24419)	N/A
Chr9	32731005	32731115	Chr9.24368	Ets1(+35018)	N/A
Chr9	32741046	32741209	Chr9.24431	Ets1(+45086)	N/A
Chr9	32749910	32750061	Chr9.24461	Ets1(+53944)	N/A
Chr9	32756905	32757020	Chr9.24494	Ets1(+60921)	N/A
Chr9	32758412	32758600	Chr9.24503	Ets1(+62464)	N/A
Chr9	32764619	32764836	Chr9.24515	Ets1(+68686)	N/A
Chr9	32782496	32782686	Chr9.24522	Ets1(+86549)	N/A
Chr9	32786382	32786947	Chr9.24529	Ets1(+93378)	N/A

Chr9	32823948	32824255	Chr9.24567	Ets1(+128060)	N/A
Chr9	32830275	32830430	Chr9.24575	Ets1(+134311)	N/A
Chr9	32830482	32830825	Chr9.24577	Ets1(+134612)	N/A
Chr9	32835497	32835626	Chr9.24590	Ets1(+139520)	N/A
Chr9	32836782	32836883	Chr9.24595	Ets1(+140791)	N/A
Chr9	7943878	7944166	Chr9.2461	Birc3(-70998), Yap1(+60574)	N/A
Chr9	32858612	32858743	Chr9.24615	Ets1(+162636)	N/A
Chr9	32886193	32886331	Chr9.24644	Ets1(+190220)	N/A
Chr9	7950475	7950700	Chr9.2469	Birc3(-75564), Yap1(+54008)	N/A
Chr9	32896894	32900066	Chr9.24665	Ets1(+203938)	N/A
Chr9	32901409	32901586	Chr9.24675	Ets1(+205456)	N/A
Chr9	7950782	7950892	Chr9.2468	Birc3(-77813), Yap1(+53759)	N/A
Chr9	32931599	32931767	Chr9.24724	Ets1(+235641)	N/A
Chr9	32936545	32936714	Chr9.24730	Ets1(+240588)	N/A
Chr9	32940542	32940892	Chr9.24737	Ets1(+244575)	N/A
Chr9	32972523	32972794	Chr9.24754	Ets1(+276667)	N/A
Chr9	32981533	32981669	Chr9.24758	Ets1(+285559)	N/A
Chr9	32986833	32987142	Chr9.24760	Ets1(+290946)	N/A
Chr9	32987450	32987726	Chr9.24765	Ets1(+291546)	N/A
Chr9	7950441	7956571	Chr9.2477	Birc3(-83482), Yap1(+48090)	N/A
Chr9	33000864	33001111	Chr9.24778	Ets1(+304948)	N/A
Chr9	7960367	7960613	Chr9.2478	Birc3(-87466), Yap1(+44106)	N/A
Chr9	33070142	33070303	Chr9.24813	Ets1(+374181)	N/A
Chr9	7960998	7961242	Chr9.2482	Birc3(-88096), Yap1(+43476)	N/A
Chr9	33080987	33081298	Chr9.24824	Ets1(+385101)	N/A
Chr9	33104830	33105133	Chr9.24848	Ets1(+408940)	N/A
Chr9	33152232	33152533	Chr9.24854	Ets1(+456341)	N/A
Chr9	33165016	33165164	Chr9.24863	Ets1(+469048)	N/A
Chr9	33222793	33223089	Chr9.24876	Ets1(+526899)	N/A
Chr9	7961558	7961710	Chr9.2488	Birc3(-88610), Yap1(+42962)	N/A
Chr9	33360048	33360196	Chr9.24934	Ets1(+664060)	N/A
Chr9	7983826	7983942	Chr9.2496	Birc3(-110860), Yap1(+20712)	N/A
Chr9	7984438	7984605	Chr9.2499	Birc3(-111498), Yap1(+20074)	N/A
Chr9	7991045	7991201	Chr9.2500	Birc3(-118099), Yap1(+13473)	N/A
Chr9	7999632	7999950	Chr9.2505	Birc3(-126767), Yap1(+4805)	N/A
Chr9	33901897	33901956	Chr9.25391	Kirrel3(-584299)	N/A
Chr9	33904235	33904443	Chr9.25394	Kirrel3(-581787)	N/A
Chr9	8054976	8055270	Chr9.2545	Clap300(-12300), Cap126(+79171)	N/A
Chr9	34029687	34029968	Chr9.25492	Kirrel3(-456298)	N/A
Chr9	34202625	34202753	Chr9.25595	Kirrel3(-283437)	N/A
Chr9	34202873	34203082	Chr9.25599	Kirrel3(-283148)	N/A
Chr9	34203389	34203511	Chr9.25606	Kirrel3(-282676)	N/A
Chr9	34204057	34204181	Chr9.25612	Kirrel3(-282007)	N/A
Chr9	34238639	34238748	Chr9.25636	Kirrel3(-247432)	N/A
Chr9	34395943	34396088	Chr9.25868	Kirrel3(-90110)	N/A
Chr9	34411895	34412144	Chr9.25898	Kirrel3(-74106)	N/A
Chr9	34416284	34416470	Chr9.25902	Kirrel3(-69749)	N/A
Chr9	34422803	34423042	Chr9.25910	Kirrel3(-63203)	N/A
Chr9	34427627	34427914	Chr9.25919	Kirrel3(-68355)	N/A
Chr9	34486150	34486357	Chr9.26005	Kirrel3(+128)	N/A
Chr9	34488778	34488887	Chr9.26017	Kirrel3(+2707), Sl3gal4(+627977)	N/A
Chr9	34489894	34489233	Chr9.26018	Kirrel3(+2983), Sl3gal4(+627701)	N/A
Chr9	34489428	34489630	Chr9.26027	Kirrel3(+3333), Sl3gal4(+627331)	N/A
Chr9	34581198	34583419	Chr9.26180	Kirrel3(-72183), Sl3gal4(+558501)	N/A
Chr9	34558563	34558713	Chr9.26183	Kirrel3(+72512), Sl3gal4(+558172)	N/A
Chr9	34571766	34571936	Chr9.26207	Kirrel3(+85725), Sl3gal4(+544959)	N/A
Chr9	34631507	34631627	Chr9.26376	Kirrel3(+145441), Sl3gal4(+485243)	N/A
Chr9	34646935	34647081	Chr9.26410	Kirrel3(+160882), Sl3gal4(+469802)	N/A
Chr9	34659629	34659780	Chr9.26460	Kirrel3(+163579), Sl3gal4(+447105)	N/A
Chr9	34705414	34705542	Chr9.26698	Kirrel3(-309352), Sl3gal4(+321332)	N/A
Chr9	34795889	34795996	Chr9.26703	Kirrel3(+309817), Sl3gal4(+320867)	N/A
Chr9	34818454	34818635	Chr9.26745	Sl3gal4(+298265), Kirrel3(+332419)	N/A
Chr9	34871600	34871846	Chr9.26855	Sl3gal4(+245087), Kirrel3(+385597)	N/A
Chr9	34875374	34875482	Chr9.26867	Sl3gal4(+241382), Kirrel3(+389302)	N/A
Chr9	34947410	34947593	Chr9.27004	Sl3gal4(+169308), Kirrel3(+461376)	N/A
Chr9	34953509	34953657	Chr9.27014	Sl3gal4(+163227), Kirrel3(+467457)	N/A
Chr9	35003930	35004109	Chr9.27059	Sl3gal4(+112790), Kirrel3(+517894)	N/A
Chr9	35017674	35017815	Chr9.27096	Sl3gal4(+99065), Kirrel3(+531619)	N/A
Chr9	35039087	35039247	Chr9.27149	Sl3gal4(+77643), Kirrel3(+553041)	N/A
Chr9	35156410	35156697	Chr9.27249	Sl3gal4(-39744), Dopa1(+15007)	N/A
Chr9	4309857	4309868	Chr9.273	Aasbp(-419), Kdbs3(+170)	N/A
Chr9	35283609	35283753	Chr9.27481	Cdon(-168395), Rpusd4(+15816)	N/A
Chr9	35310293	35310699	Chr9.27498	Cdon(-141580), Rpusd4(+42631)	N/A
Chr9	35312576	35312719	Chr9.27504	Cdon(-139428), Rpusd4(+44783)	N/A
Chr9	35316896	35317072	Chr9.27512	Cdon(-135092), Rpusd4(+49119)	N/A
Chr9	35318868	35318998	Chr9.27524	Cdon(-133143), Rpusd4(+51085)	N/A
Chr9	35319042	35319144	Chr9.27528	Cdon(-132983), Rpusd4(+51228)	N/A
Chr9	35324654	35324827	Chr9.27532	Cdon(-127335), Rpusd4(+56876)	N/A
Chr9	35326950	35327106	Chr9.27534	Cdon(-125048), Rpusd4(+59163)	N/A
Chr9	35327143	35327274	Chr9.27538	Cdon(-124867), Rpusd4(+59344)	N/A
Chr9	35328755	35328937	Chr9.27542	Cdon(-123230), Rpusd4(+60981)	N/A
Chr9	35331240	35331484	Chr9.27550	Cdon(-120774), Rpusd4(+63467)	N/A
Chr9	35331510	35331626	Chr9.27552	Cdon(-120580), Rpusd4(+63703)	N/A
Chr9	35335161	35335310	Chr9.27558	Cdon(-116840), Rpusd4(+67371)	N/A
Chr9	35335871	35336023	Chr9.27560	Cdon(-116129), Rpusd4(+68082)	N/A
Chr9	35338964	35339090	Chr9.27564	Cdon(-113049), Rpusd4(+71162)	N/A
Chr9	35340008	35340189	Chr9.27568	Cdon(-111977), Rpusd4(+72234)	N/A
Chr9	35342593	35342749	Chr9.27576	Cdon(-109420), Rpusd4(+74791)	N/A
Chr9	35344547	35344688	Chr9.27583	Cdon(-107458), Rpusd4(+76753)	N/A
Chr9	35346545	35346719	Chr9.27585	Cdon(-105444), Rpusd4(+78767)	N/A
Chr9	35349978	35350117	Chr9.27591	Cdon(-102028), Rpusd4(+82183)	N/A
Chr9	35359889	35360006	Chr9.27598	Cdon(-92127), Rpusd4(+92084)	N/A
Chr9	35361439	35361547	Chr9.27603	Cdon(-90583), Rpusd4(+92628)	N/A
Chr9	35362201	35362343	Chr9.27606	Cdon(-88904), Rpusd4(+94407)	N/A
Chr9	35363311	35363454	Chr9.27612	Cdon(-88693), Rpusd4(+95518)	N/A
Chr9	35372322	35372651	Chr9.27623	Cdon(-79589), Rpusd4(+104622)	N/A
Chr9	35378242	35378353	Chr9.27630	Cdon(-73778), Rpusd4(+110433)	N/A
Chr9	35400877	35401254	Chr9.27632	Cdon(-51010), Rpusd4(+13202)	N/A
Chr9	35402627	35403068	Chr9.27637	Cdon(-49228), Rpusd4(+134983)	N/A
Chr9	35405525	35405744	Chr9.27646	Cdon(-46441), Rpusd4(+137770)	N/A
Chr9	35405789	35405931	Chr9.27651	Cdon(-46216), Rpusd4(+137995)	N/A
Chr9	35411852	35411961	Chr9.27658	Cdon(-40169), Rpusd4(+144042)	N/A
Chr9	35412062	35412336	Chr9.27661	Cdon(-39877), Rpusd4(+144334)	N/A
Chr9	35422170	35422489	Chr9.27668	Cdon(-29746), Rpusd4(+154465)	N/A
Chr9	35423228	35423359	Chr9.27679	Cdon(-28782), Rpusd4(+155429)	N/A
Chr9	35443589	35443692	Chr9.27723	Cdon(-8435), Rpusd4(+175776)	N/A
Chr9	35443748	35444038	Chr9.27726	Cdon(-8183), Rpusd4(+176028)	N/A
Chr9	35447110	35447284	Chr9.27735	Cdon(-4879)	N/A
Chr9	35453396	35453653	Chr9.27766	Cdon(+1449), Ddx25(+104945)	N/A
Chr9	35481074	35481193	Chr9.27874	Cdon(+20058), Ddx25(+77336)	N/A
Chr9	35482448	35482556	Chr9.27880	Cdon(+30426), Ddx25(+75966)	N/A
Chr9	35487137	35487241	Chr9.27901	Cdon(+35113), Ddx25(+71281)	N/A
Chr9	35491201	35491308	Chr9.27920	Cdon(+39179), Ddx25(+67215)	N/A
Chr9	35496226	35496494	Chr9.27930	Cdon(+44284), Ddx25(+62110)	N/A
Chr9	35507496	35507646	Chr9.27957	Ddx25(+50899), Cdon(+55495)	N/A
Chr9	35523648	35523841	Chr9.28035	Ddx25(+34725), Cdon(+71669)	N/A
Chr9	35529937	35530100	Chr9.28039	Ddx25(+28451), Cdon(+77943)	N/A
Chr9	35533251	35533415	Chr9.28042	Ddx25(+25137), Cdon(+81257)	N/A
Chr9	36821471	36821579	Chr9.28323	Elz4(-24132), Fex1(-11159)	N/A
Chr9	36850218	36850339	Chr9.28361	Fex1(+17595), Pknox2(+233000)	N/A
Chr9	36885910	36886013	Chr9.28420	Fex1(+53278), Pknox2(+197377)	N/A
Chr9	36890985	36891094	Chr9.28423	Fex1(+58356), Pknox2(+192239)	N/A
Chr9	36917027	36917190	Chr9.28469	Fex1(+84425), Pknox2(+166170)	N/A
Chr9	36919587	36919755	Chr9.28474	Fex1(+86987), Pknox2(+163608)	N/A
Chr9	36933132	36933457	Chr9.28488	Fex1(+100611), Pknox2(+149984)	N/A
Chr9	36938385	36938536	Chr9.28498	Fex1(+105777), Pknox2(+144619)	N/A
Chr9	36941514	36941706	Chr9.28506	Fex1(+108926), Pknox2(+141669)	N/A
Chr9	36942602	36942786	Chr9.28507	Fex1(+110010), Pknox2(+140585)	N/A
Chr9	36944959	36945189	Chr9.28510	Fex1(+112390), Pknox2(+138205)	N/A
Chr9	36947325	36947486	Chr9.28512	Fex1(+114722), Pknox2(+135873)	N/A
Chr9	36950389	36950537	Chr9.28517	Fex1(+117779), Pknox2(+132816)	N/A
Chr9	36950762	36950906	Chr9.28521	Fex1(+118150), Pknox2(+132445)	N/A
Chr9	36951131	36951236	Chr9.28524	Fex1(+118500), Pknox2(+132095)	N/A
Chr9	36964024	36964489	Chr9.28535	Pknox2(+119022), Fex1(+131573)	N/A
Chr9	36972208	36972341	Chr9.28554	Pknox2(+111004), Fex1(+139591)	N/A
Chr9	36973510	36973627	Chr9.28557	Pknox2(+109710), Fex1(+140885)	N/A
Chr9	36975176	36976082	Chr9.28583	Pknox2(+107350), Fex1(+143245)	N/A
Chr9	36976899	36977095	Chr9.28585	Pknox2(+106282), Fex1(+144313)	N/A

Chr9	36985192	36985466	Chr9.28573	<i>Pknox2(+97950),Fez1(+152645)</i>	N/A
Chr9	36991052	36991275	Chr9.28580	<i>Pknox2(+92115),Fez1(+158480)</i>	N/A
Chr9	37002073	37002329	Chr9.28595	<i>Pknox2(+91078),Fez1(+169517)</i>	N/A
Chr9	37011088	37011302	Chr9.28606	<i>Pknox2(+72084),Fez1(+178511)</i>	N/A
Chr9	37013672	37013854	Chr9.28615	<i>Pknox2(+69516),Fez1(+181079)</i>	N/A
Chr9	37026113	37026268	Chr9.28626	<i>Pknox2(+57088),Fez1(+193507)</i>	N/A
Chr9	37028309	37028411	Chr9.28627	<i>Pknox2(+54919),Fez1(+195676)</i>	N/A
Chr9	37028544	37028771	Chr9.28632	<i>Pknox2(+54621),Fez1(+195974)</i>	N/A
Chr9	37030377	37030633	Chr9.28638	<i>Pknox2(+52774),Fez1(+197821)</i>	N/A
Chr9	37034289	37034618	Chr9.28648	<i>Pknox2(+48825),Fez1(+201770)</i>	N/A
Chr9	37037186	37037398	Chr9.28648	<i>Pknox2(+45987),Fez1(+204608)</i>	N/A
Chr9	37038574	37038779	Chr9.28652	<i>Pknox2(+44602),Fez1(+205993)</i>	N/A
Chr9	37044476	37044612	Chr9.28655	<i>Pknox2(+38735),Fez1(+211860)</i>	N/A
Chr9	37060847	37061037	Chr9.28684	<i>Pknox2(+22337),Fez1(+226258)</i>	N/A
Chr9	37076557	37076788	Chr9.28701	<i>Pknox2(+6066),Fez1(+243969)</i>	N/A
Chr9	37076910	37077187	Chr9.28705	<i>Pknox2(+6230),Fez1(+244355)</i>	N/A
Chr9	37083124	37083306	Chr9.28713	<i>Pknox2(+64)</i>	N/A
Chr9	37090174	37090564	Chr9.28717	<i>Tmem218(-117964),Pknax2(-7090)</i>	N/A
Chr9	37094343	37094661	Chr9.28720	<i>Tmem218(-113831),Pknax2(-11223)</i>	N/A
Chr9	37094968	37094968	Chr9.28725	<i>Tmem218(-113439),Pknax2(-116115)</i>	N/A
Chr9	37101104	37101318	Chr9.28733	<i>Tmem218(-107122),Pknax2(-17932)</i>	N/A
Chr9	37104003	37104267	Chr9.28738	<i>Tmem218(-104198),Pknax2(-20856)</i>	N/A
Chr9	37114789	37115106	Chr9.28751	<i>Tmem218(-93385),Pknax2(-31669)</i>	N/A
Chr9	37121840	37122149	Chr9.28761	<i>Tmem218(-86338),Pknax2(-38716)</i>	N/A
Chr9	37123371	37123598	Chr9.28767	<i>Tmem218(-84848),Pknax2(-40206)</i>	N/A
Chr9	37140985	37141205	Chr9.28781	<i>Tmem218(-67238),Pknax2(-57919)</i>	N/A
Chr9	37142383	37142538	Chr9.28784	<i>Tmem218(-65572),Pknax2(-59182)</i>	N/A
Chr9	37142785	37142920	Chr9.28790	<i>Tmem218(-65480),Pknax2(-59574)</i>	N/A
Chr9	37142950	37143602	Chr9.28792	<i>Tmem218(-65057),Pknax2(-59997)</i>	N/A
Chr9	37144069	37144508	Chr9.28799	<i>Tmem218(-64044),Pknax2(-61010)</i>	N/A
Chr9	37147764	37147989	Chr9.28808	<i>Pknox2(-64553),Tmem218(-60501)</i>	N/A
Chr9	37173317	37173682	Chr9.28832	<i>Pknox2(-90221),Tmem218(-34833)</i>	N/A
Chr9	37173816	37173940	Chr9.28839	<i>Pknox2(-90599),Tmem218(-34455)</i>	N/A
Chr9	37177309	37177687	Chr9.28840	<i>Pknox2(-94219),Tmem218(-30835)</i>	N/A
Chr9	37179034	37179194	Chr9.28842	<i>Pknox2(-95835),Tmem218(-29219)</i>	N/A
Chr9	37203942	37204144	Chr9.28865	<i>Tmem218(-4290)</i>	N/A
Chr9	37358966	37359067	Chr9.29038	<i>Ccdc15(-10629),Hepacam(-8351)</i>	N/A
Chr9	37359103	37359294	Chr9.29041	<i>Ccdc15(-10807),Hepacam(-8169)</i>	N/A
Chr9	37359726	37359868	Chr9.29044	<i>Ccdc15(-11405),Hepacam(-7571)</i>	N/A
Chr9	37401911	37402087	Chr9.29112	<i>Robo4(-47)</i>	N/A
Chr9	9027532	9027743	Chr9.2923	<i>Gm16485(+55847),Arhgap42(+211463)</i>	N/A
Chr9	37433226	37433360	Chr9.29334	<i>Robo3(-130)</i>	N/A
Chr9	37435005	37435221	Chr9.29339	<i>Robo3(-1965)</i>	N/A
Chr9	37455234	37455379	Chr9.29368	<i>Msantd2(-34014),Robo3(-22144)</i>	N/A
Chr9	37456703	37456822	Chr9.29373	<i>Msantd2(-32558),Robo3(-23600)</i>	N/A
Chr9	37460675	37460815	Chr9.29377	<i>Msantd2(-28576),Robo3(-27582)</i>	N/A
Chr9	37490005	37490124	Chr9.29386	<i>Msantd2(+744)</i>	N/A
Chr9	37490302	37490441	Chr9.29389	<i>Esam(-37706),Msantd2(+1051)</i>	N/A
Chr9	37530345	37530444	Chr9.29469	<i>Vsig2(-8860),Esam(+2317)</i>	N/A
Chr9	37544474	37544576	Chr9.29539	<i>Vsig2(+5270),Nirgn(+8379)</i>	N/A
Chr9	37545135	37545354	Chr9.29544	<i>Vsig2(+5990),Nirgn(+7659)</i>	N/A
Chr9	37552688	37552790	Chr9.29556	<i>Nirgn(+165)</i>	N/A
Chr9	37554920	37555036	Chr9.29566	<i>Nirgn(-2074)</i>	N/A
Chr9	37555211	37555352	Chr9.29567	<i>Nirgn(-2378)</i>	N/A
Chr9	37555510	37555620	Chr9.29569	<i>Nirgn(-2661)</i>	N/A
Chr9	37556584	37556775	Chr9.29573	<i>Nirgn(-3776)</i>	N/A
Chr9	37568004	37568147	Chr9.29584	<i>Nirgn(-15172),Spa17(+45644)</i>	N/A
Chr9	37576323	37576471	Chr9.29598	<i>Nirgn(-23493),Spa17(+37323)</i>	N/A
Chr9	9104833	9105081	Chr9.2961	<i>Gm16485(-133168),Arhgap42(+134144)</i>	N/A
Chr9	37614185	37614401	Chr9.29625	<i>Spa17(-573),Slae(+446)</i>	N/A
Chr9	37624001	37624243	Chr9.29665	<i>Slae(+10275),Tbip1(+33190)</i>	N/A
Chr9	37625823	37626028	Chr9.29678	<i>Slae(+12079),Tbip1(+31386)</i>	N/A
Chr9	9143171	9143357	Chr9.2995	<i>Arhgap42(+95837),Gm16485(+171473)</i>	N/A
Chr9	9173142	9173359	Chr9.3012	<i>Arhgap42(+65850),Gm16485(+201460)</i>	N/A
Chr9	9180002	9180182	Chr9.3024	<i>Arhgap42(+50009),Gm16485(-217391)</i>	N/A
Chr9	9196072	9196255	Chr9.3029	<i>Arhgap42(+42937),Gm16485(+224371)</i>	N/A
Chr9	40192243	40192442	Chr9.32077	<i>Zfp202(+26)</i>	N/A
Chr9	40242219	40242370	Chr9.32148	<i>Scn3b(-26921),Zfp202(+49978)</i>	N/A
Chr9	40321505	40321728	Chr9.32290	<i>Scn3b(+52401),Gramd1b(+134053)</i>	N/A
Chr9	40345000	40345150	Chr9.32330	<i>Scn3b(-75859),Gramd1b(-110595)</i>	N/A
Chr9	40345571	40345682	Chr9.32332	<i>Scn3b(-76411),Gramd1b(+11043)</i>	N/A
Chr9	40346449	40346699	Chr9.32337	<i>Scn3b(+77358),Gramd1b(+109096)</i>	N/A
Chr9	40358552	40358766	Chr9.32356	<i>Scn3b(+89443),Gramd1b(+97011)</i>	N/A
Chr9	40375907	40376017	Chr9.32369	<i>Gramd1b(+79708),Scn3b(+106746)</i>	N/A
Chr9	40376391	40376514	Chr9.32375	<i>Gramd1b(+79217),Scn3b(+107237)</i>	N/A
Chr9	40381903	40382014	Chr9.32380	<i>Gramd1b(+73711),Scn3b(+112743)</i>	N/A
Chr9	40391594	40391768	Chr9.32399	<i>Gramd1b(+63990),Scn3b(+122464)</i>	N/A
Chr9	40392316	40392606	Chr9.32401	<i>Gramd1b(+63209),Scn3b(+123245)</i>	N/A
Chr9	40456335	40456457	Chr9.32438	<i>Gramd1b(-726)</i>	N/A
Chr9	40638353	40638504	Chr9.32548	<i>Gramd1b(-182759),Gm21915(-32184)</i>	N/A
Chr9	40642576	40642770	Chr9.32554	<i>Gramd1b(-187003),Gm21915(-27940)</i>	N/A
Chr9	40671791	40671948	Chr9.32558	<i>Cimp(-14142),Gm21915(+1257)</i>	N/A
Chr9	40686966	40686800	Chr9.32572	<i>Cimp(+736)</i>	N/A
Chr9	40694327	40694473	Chr9.32580	<i>Hspa8(-106584),Cimp(+8388)</i>	N/A
Chr9	40708950	40709052	Chr9.32592	<i>Hspa8(-91983),Cimp(+22989)</i>	N/A
Chr9	40711845	40711965	Chr9.32598	<i>Hspa8(-89079),Cimp(+25893)</i>	N/A
Chr9	40725277	40725376	Chr9.32610	<i>Hspa8(-76557),Cimp(+39315)</i>	N/A
Chr9	40737286	40737400	Chr9.32617	<i>Hspa8(-63641),Cimp(+51331)</i>	N/A
Chr9	40743580	40743740	Chr9.32620	<i>Hspa8(-57324),Cimp(+57648)</i>	N/A
Chr9	40785306	40785450	Chr9.32668	<i>Hspa8(-15606),Cimp(+99366)</i>	N/A
Chr9	40785482	40785649	Chr9.32670	<i>Hspa8(-15418),Cimp(+99554)</i>	N/A
Chr9	40801146	40801283	Chr9.32676	<i>Hspa8(-231)</i>	N/A
Chr9	40808565	40809135	Chr9.32705	<i>Bsx(-65277),Hspa8(+7666)</i>	N/A
Chr9	40821930	40822195	Chr9.32719	<i>Bsx(-52064),Hspa8(+21078)</i>	N/A
Chr9	40858622	40858882	Chr9.32744	<i>Bsx(-15379),Hspa8(+57768)</i>	N/A
Chr9	40858996	40859182	Chr9.32746	<i>Bsx(-15038),Hspa8(+58105)</i>	N/A
Chr9	40859323	40859437	Chr9.32748	<i>Bsx(-14747),Hspa8(+58396)</i>	N/A
Chr9	40949103	40949455	Chr9.32887	<i>Jhny(+14639),Bsx(+75152)</i>	N/A
Chr9	41004620	41004760	Chr9.32879	<i>Crtam(-104)</i>	N/A
Chr9	41011999	41012131	Chr9.32998	<i>Crtam(-7479),Ubash3b(+145997)</i>	N/A
Chr9	41051567	41051666	Chr9.33087	<i>Crtam(-47031),Ubash3b(+106445)</i>	N/A
Chr9	41053506	41053606	Chr9.33092	<i>Crtam(-48970),Ubash3b(+104506)</i>	N/A
Chr9	41102739	41102887	Chr9.33136	<i>Crtam(-86227),Ubash3b(+55249)</i>	N/A
Chr9	41105286	41105430	Chr9.33138	<i>Crtam(-100772),Ubash3b(+52704)</i>	N/A
Chr9	41108457	41108703	Chr9.33143	<i>Crtam(-103994),Ubash3b(+49482)</i>	N/A
Chr9	41118117	41118276	Chr9.33156	<i>Crtam(-113611),Ubash3b(+39865)</i>	N/A
Chr9	41136937	41137102	Chr9.33169	<i>Crtam(-132434),Ubash3b(+21042)</i>	N/A
Chr9	41156741	41156924	Chr9.33188	<i>Crtam(-152247),Ubash3b(+1229)</i>	N/A
Chr9	41157661	41157789	Chr9.33191	<i>Ubash3b(+332)</i>	N/A
Chr9	41212365	41212526	Chr9.33214	<i>Ubash3b(-94984),Sor1(+911851)</i>	N/A
Chr9	41212744	41212899	Chr9.33215	<i>Ubash3b(-54760),Sor1(+911851)</i>	N/A
Chr9	41212934	41213314	Chr9.33218	<i>Ubash3b(-55062),Sor1(+911173)</i>	N/A
Chr9	41216275	41216619	Chr9.33223	<i>Ubash3b(-58385),Sor1(+907850)</i>	N/A
Chr9	41231207	41231493	Chr9.33229	<i>Ubash3b(-73288),Sor1(+892947)</i>	N/A
Chr9	41238514	41239079	Chr9.33231	<i>Ubash3b(-80735),Sor1(+855502)</i>	N/A
Chr9	41264750	41264883	Chr9.33246	<i>Ubash3b(-106755),Sor1(+859480)</i>	N/A
Chr9	41273142	41273264	Chr9.33253	<i>Ubash3b(-115141),Sor1(+851094)</i>	N/A
Chr9	41303222	41303526	Chr9.33271	<i>Ubash3b(-145312),Sor1(+820923)</i>	N/A
Chr9	41326756	41327146	Chr9.33277	<i>Ubash3b(-168889),Sor1(+797346)</i>	N/A
Chr9	41327248	41327429	Chr9.33280	<i>Ubash3b(-169277),Sor1(+796898)</i>	N/A
Chr9	41327653	41327839	Chr9.33283	<i>Ubash3b(-16864),Sor1(+796551)</i>	N/A
Chr9	41328300	41328574	Chr9.33287	<i>Ubash3b(-170375),Sor1(+795860)</i>	N/A
Chr9	41334616	41334825	Chr9.33297	<i>Ubash3b(-176659),Sor1(+789576)</i>	N/A
Chr9	41334969	41335128	Chr9.33300	<i>Ubash3b(-176987),Sor1(+789248)</i>	N/A
Chr9	41345520	41345673	Chr9.33306	<i>Ubash3b(-206550),Sor1(+778700)</i>	N/A
Chr9	41354432	41364792	Chr9.33321	<i>Ubash3b(-206550),Sor1(+759659)</i>	N/A
Chr9	41374867	41375100	Chr9.33346	<i>Ubash3b(-216922),Sor1(+749213)</i>	N/A
Chr9	41376259	41376529	Chr9.33351	<i>Ubash3b(-218332),Sor1(+747903)</i>	N/A
Chr9	41376569	41376709	Chr9.33357	<i>Ubash3b(-218577),Sor1(+747658)</i>	N/A
Chr9	41378122	41378235	Chr9.33362	<i>Ubash3b(-220117),Sor1(+746118)</i>	N/A
Chr9	41381916	41382217	Chr9.33363	<i>Ubash3b(-234026),Sor1(+732230)</i>	N/A
Chr9	41395491	41396002	Chr9.33368	<i>Ubash3b(-237656),Sor1(+728550)</i>	N/A
Chr9	41397891	41398163	Chr9.33396	<i>Ubash3b(-239965),Sor1(+728270)</i>	N/A
Chr9	41408064	41408166	Chr9.33413	<i>Ubash3b(-250053),Sor1(+716182)</i>	N/A
Chr9	41413240	41413472	Chr9.33426	<i>Ubash3b(-255294),Sor1(+710941)</i>	N/A
Chr9	41425373	41425605	Chr9.33443	<i>Ubash3b(-267427),Sor1(+699808)</i>	N/A
Chr9	41429711	41430283	Chr9.33442	<i>Ubash3b(-267935),Sor1(+694300)</i>	N/A
Chr9	41446413	41446684	Chr9.33461	<i>Ubash3b(-268487),Sor1(+677749)</i>	N/A

Chr9	41446740	41446873	Chr9.33464	Ubash3b(-288745),Sort1(+677490)	N/A
Chr9	41453331	41453683	Chr9.33480	Ubash3b(-295545),Sort1(+670690)	N/A
Chr9	41462004	41462123	Chr9.33496	Ubash3b(-304002),Sort1(+662239)	N/A
Chr9	41464467	41464581	Chr9.33506	Ubash3b(-308462),Sort1(+659773)	N/A
Chr9	41470117	41470276	Chr9.33513	Ubash3b(-312135),Sort1(+654100)	N/A
Chr9	41474807	41474951	Chr9.33514	Ubash3b(-316817),Sort1(+649418)	N/A
Chr9	41480102	41480286	Chr9.33528	Ubash3b(-322132),Sort1(+644103)	N/A
Chr9	41479724	41497734	Chr9.33551	Ubash3b(-339617),Sort1(+626618)	N/A
Chr9	41496386	41496591	Chr9.33558	Ubash3b(-340427),Sort1(+625808)	N/A
Chr9	41501888	41502160	Chr9.33560	Ubash3b(-343923),Sort1(+622273)	N/A
Chr9	41502740	41503008	Chr9.33567	Ubash3b(-344812),Sort1(+621423)	N/A
Chr9	41517045	41517194	Chr9.33576	Ubash3b(-359058),Sort1(+607177)	N/A
Chr9	41517287	41517432	Chr9.33578	Ubash3b(-359298),Sort1(+606937)	N/A
Chr9	41523398	41523558	Chr9.33596	Ubash3b(-365416),Sort1(+600819)	N/A
Chr9	41524635	41524900	Chr9.33599	Ubash3b(-366706),Sort1(+599525)	N/A
Chr9	41525020	41525123	Chr9.33602	Ubash3b(-367010),Sort1(+599225)	N/A
Chr9	41527408	41527530	Chr9.33611	Ubash3b(-369407),Sort1(+596828)	N/A
Chr9	41532306	41532457	Chr9.33626	Ubash3b(-374320),Sort1(+591915)	N/A
Chr9	41533266	41533414	Chr9.33628	Ubash3b(-375278),Sort1(+590957)	N/A
Chr9	41541412	41541522	Chr9.33641	Ubash3b(-383403),Sort1(+582639)	N/A
Chr9	41541616	41541871	Chr9.33644	Ubash3b(-383683),Sort1(+582552)	N/A
Chr9	41542692	41542838	Chr9.33647	Ubash3b(-384703),Sort1(+581532)	N/A
Chr9	41545720	41545830	Chr9.33654	Ubash3b(-387713),Sort1(+578522)	N/A
Chr9	41575895	41576239	Chr9.33689	Ubash3b(-418005),Sort1(+548230)	N/A
Chr9	41576391	41576551	Chr9.33694	Ubash3b(-418409),Sort1(+547826)	N/A
Chr9	41578552	41578981	Chr9.33709	Ubash3b(-420855),Sort1(+545389)	N/A
Chr9	41579653	41579855	Chr9.33716	Ubash3b(-421692),Sort1(+544543)	N/A
Chr9	41581222	41581326	Chr9.33727	Ubash3b(-423212),Sort1(+543023)	N/A
Chr9	41581819	41582021	Chr9.33730	Ubash3b(-423858),Sort1(+542377)	N/A
Chr9	41582308	41582483	Chr9.33736	Ubash3b(-424334),Sort1(+541901)	N/A
Chr9	41583321	41583438	Chr9.33742	Ubash3b(-425318),Sort1(+540917)	N/A
Chr9	41583850	41584332	Chr9.33747	Ubash3b(-426629),Sort1(+540260)	N/A
Chr9	41584769	41584895	Chr9.33754	Ubash3b(-426770),Sort1(+539465)	N/A
Chr9	41584979	41585228	Chr9.33757	Ubash3b(-427042),Sort1(+539193)	N/A
Chr9	41586019	41586196	Chr9.33759	Ubash3b(-428046),Sort1(+538189)	N/A
Chr9	41586306	41586711	Chr9.33762	Ubash3b(-428450),Sort1(+537785)	N/A
Chr9	41587071	41587338	Chr9.33767	Ubash3b(-430142),Sort1(+537059)	N/A
Chr9	41588985	41589218	Chr9.33775	Ubash3b(-431040),Sort1(+535193)	N/A
Chr9	41590153	41590273	Chr9.33780	Ubash3b(-432151),Sort1(+534084)	N/A
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Chr9	41595899	41596106	Chr9.33791	Ubash3b(-437941),Sort1(+528294)	N/A
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Chr9	41612187	41612542	Chr9.33806	Ubash3b(-454303),Sort1(+511932)	N/A
Chr9	41612709	41612812	Chr9.33811	Ubash3b(-454699),Sort1(+511538)	N/A
Chr9	41612881	41613037	Chr9.33814	Ubash3b(-454897),Sort1(+511338)	N/A
Chr9	41613897	41614191	Chr9.33824	Ubash3b(-455892),Sort1(+510253)	N/A
Chr9	41614224	41614509	Chr9.33829	Ubash3b(-456305),Sort1(+509930)	N/A
Chr9	41615180	41615428	Chr9.33834	Ubash3b(-457241),Sort1(+508994)	N/A
Chr9	41641283	41641653	Chr9.33861	Ubash3b(-463406),Sort1(+482829)	N/A
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Chr9	41681640	41681782	Chr9.33896	Ubash3b(-523649),Sort1(+442586)	N/A
Chr9	41686939	41687112	Chr9.33901	Ubash3b(-528964),Sort1(+437271)	N/A
Chr9	41690959	41693842	Chr9.33902	Ubash3b(-540139),Sort1(+436969)	N/A
Chr9	41698402	41698557	Chr9.33906	Ubash3b(-540418),Sort1(+425817)	N/A
Chr9	41698651	41698881	Chr9.33910	Ubash3b(-540704),Sort1(+425531)	N/A
Chr9	41700844	41701008	Chr9.33917	Ubash3b(-542864),Sort1(+423371)	N/A
Chr9	41708463	41708721	Chr9.33929	Ubash3b(-550530),Sort1(+415705)	N/A
Chr9	41740581	41740809	Chr9.33967	Ubash3b(-562633),Sort1(+383602)	N/A
Chr9	41754525	41754672	Chr9.33970	Ubash3b(-566537),Sort1(+369698)	N/A
Chr9	41764230	41764474	Chr9.33980	Ubash3b(-606290),Sort1(+359945)	N/A
Chr9	41765842	41765975	Chr9.33985	Ubash3b(-607847),Sort1(+358388)	N/A
Chr9	41768112	41768293	Chr9.33993	Ubash3b(-610141),Sort1(+356094)	N/A
Chr9	41771432	41771559	Chr9.34000	Ubash3b(-613434),Sort1(+352807)	N/A
Chr9	41772187	41772651	Chr9.34003	Ubash3b(-614357),Sort1(+351678)	N/A
Chr9	41791938	41792096	Chr9.34015	Ubash3b(-633955),Sort1(+332280)	N/A
Chr9	41805064	41805338	Chr9.34032	Ubash3b(-647139),Sort1(+319096)	N/A
Chr9	41805492	41805605	Chr9.34034	Ubash3b(-647487),Sort1(+318748)	N/A
Chr9	41805672	41805989	Chr9.34035	Ubash3b(-647759),Sort1(+318476)	N/A
Chr9	41817969	41818213	Chr9.34044	Ubash3b(-660029),Sort1(+306208)	N/A
Chr9	41818395	41818615	Chr9.34049	Ubash3b(-660438),Sort1(+305797)	N/A
Chr9	41821420	41821755	Chr9.34055	Ubash3b(-663526),Sort1(+302709)	N/A
Chr9	41827513	41827688	Chr9.34058	Ubash3b(-669539),Sort1(+296696)	N/A
Chr9	41828161	41828272	Chr9.34061	Ubash3b(-670155),Sort1(+296080)	N/A
Chr9	41829593	41829729	Chr9.34066	Ubash3b(-671599),Sort1(+294636)	N/A
Chr9	41834916	41835148	Chr9.34071	Ubash3b(-676870),Sort1(+289265)	N/A
Chr9	41849705	41849836	Chr9.34086	Ubash3b(-691709),Sort1(+274528)	N/A
Chr9	41857128	41857238	Chr9.34089	Ubash3b(-699121),Sort1(+267114)	N/A
Chr9	41857775	41857930	Chr9.34091	Ubash3b(-699791),Sort1(+266444)	N/A
Chr9	41857979	41858127	Chr9.34092	Ubash3b(-699991),Sort1(+266244)	N/A
Chr9	41859254	41859433	Chr9.34099	Ubash3b(-701262),Sort1(+264953)	N/A
Chr9	41860776	41860887	Chr9.34102	Ubash3b(-702776),Sort1(+263458)	N/A
Chr9	41876702	41877086	Chr9.34121	Ubash3b(-718832),Sort1(+247403)	N/A
Chr9	41877158	41877501	Chr9.34126	Ubash3b(-719268),Sort1(+246967)	N/A
Chr9	41888710	41888936	Chr9.34130	Ubash3b(-730761),Sort1(+235474)	N/A
Chr9	41899967	41900141	Chr9.34153	Ubash3b(-741992),Sort1(+224243)	N/A
Chr9	41900271	41900511	Chr9.34154	Ubash3b(-742329),Sort1(+223909)	N/A
Chr9	41912389	41912829	Chr9.34158	Ubash3b(-754547),Sort1(+211688)	N/A
Chr9	41915164	41915292	Chr9.34162	Ubash3b(-757166),Sort1(+209069)	N/A
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Chr9	41918653	41918782	Chr9.34172	Ubash3b(-760656),Sort1(+205579)	N/A
Chr9	41918859	41919345	Chr9.34176	Ubash3b(-761040),Sort1(+205195)	N/A
Chr9	41922683	41922797	Chr9.34182	Ubash3b(-764628),Sort1(+201601)	N/A
Chr9	41935790	41935956	Chr9.34195	Ubash3b(-777811),Sort1(+188424)	N/A
Chr9	41936722	41936867	Chr9.34203	Ubash3b(-778733),Sort1(+187502)	N/A
Chr9	41938018	41938315	Chr9.34212	Ubash3b(-780105),Sort1(+186130)	N/A
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Chr9	41939549	41939778	Chr9.34217	Ubash3b(-781602),Sort1(+184633)	N/A
Chr9	41943267	41943509	Chr9.34227	Ubash3b(-785326),Sort1(+180909)	N/A
Chr9	41945868	41945999	Chr9.34232	Ubash3b(-787872),Sort1(+178363)	N/A
Chr9	41966351	41966494	Chr9.34276	Ubash3b(-808361),Sort1(+157874)	N/A
Chr9	41985226	41985328	Chr9.34350	Ubash3b(-827215),Sort1(+139020)	N/A
Chr9	42030762	42030890	Chr9.34493	Ubash3b(-861764),Sort1(+84471)	N/A
Chr9	42030929	42081112	Chr9.34560	Ubash3b(-922859),Sort1(+43276)	N/A
Chr9	42116412	42116567	Chr9.34602	Ubash3b(-958428),Sort1(+7807)	N/A
Chr9	42117824	42117945	Chr9.34606	Ubash3b(-959823),Sort1(+6412)	N/A
Chr9	42131375	42131545	Chr9.34628	Sort1(-7163),Sc5d(+132840)	N/A
Chr9	42183392	42183800	Chr9.34647	Sort1(-59299),Sc5d(+80704)	N/A
Chr9	42187980	42188139	Chr9.34659	Sort1(-63768),Sc5d(+79245)	N/A
Chr9	42208885	42207021	Chr9.34668	Sort1(-62658),Sc5d(+57347)	N/A
Chr9	42219292	42219394	Chr9.34685	Sort1(-95046),Sc5d(+44957)	N/A
Chr9	42390637	42390849	Chr9.35041	Sc5d(-126443),Tecta(+9186)	N/A
Chr9	42400019	42400197	Chr9.35082	Tecta(-179)	N/A
Chr9	42413520	42413873	Chr9.35101	Tecta(-13768),Tbcel(+58561)	N/A
Chr9	42414134	42414287	Chr9.35111	Tecta(-14287),Tbcel(+58042)	N/A
Chr9	42426653	42427102	Chr9.35123	Tecta(-26949),Tbcel(+45380)	N/A
Chr9	42456353	42456665	Chr9.35174	Tecta(-56580),Tbcel(+15749)	N/A
Chr9	42532498	42532799	Chr9.35246	Tbcel(-60391),Grk4(+411844)	N/A
Chr9	42612770	42612896	Chr9.35362	Tbcel(-140575),Grk4(+331660)	N/A
Chr9	42614001	42614115	Chr9.35364	Tbcel(-141600),Grk4(+330435)	N/A
Chr9	42627136	42627277	Chr9.35388	Tbcel(-154049),Grk4(+317286)	N/A
Chr9	42632994	42633100	Chr9.35400	Tbcel(-160789),Grk4(+311446)	N/A
Chr9	42670537	42670739	Chr9.35445	Tbcel(-198380),Grk4(+273855)	N/A
Chr9	42736218	42736322	Chr9.35518	Tbcel(-264012),Grk4(+208223)	N/A
Chr9	42791572	42791681	Chr9.35567	Tbcel(-319369),Grk4(+152866)	N/A
Chr9	42792065	42792274	Chr9.35572	Tbcel(-319922),Grk4(+152313)	N/A
Chr9	42827894	42828097	Chr9.35611	Tbcel(-355733),Grk4(+116502)	N/A
Chr9	42868570	42868750	Chr9.35644	Tbcel(-396402),Grk4(+75833)	N/A
Chr9	42884396	42884538	Chr9.35660	Tbcel(-412209),Grk4(+60026)	N/A
Chr9	42897031	42897346	Chr9.35681	Tbcel(-424931),Grk4(+47304)	N/A
Chr9	42896268	42898424	Chr9.35685	Tbcel(-426088),Grk4(+46147)	N/A
Chr9	42912580	42912699	Chr9.35695	Tbcel(-440352),Grk4(+31853)	N/A
Chr9	42920229	42920440	Chr9.35698	Tbcel(-448077),Grk4(+24158)	N/A
Chr9	42943162	42943343	Chr9.35718	Tbcel(-470995),Grk4(+1240)	N/A
Chr9	42956811	42956925	Chr9.35730	Grk4(-12375),Arhgef12(+148850)	N/A
Chr9	42964091	42964341	Chr9.35737	Grk4(-19723),Arhgef12(+141502)	N/A
Chr9	42969067	42969208	Chr9.35763	Grk4(-234645),Arhgef12(+136580)	N/A
Chr9	43035291	43035493	Chr9.35866	Grk4(-90899),Arhgef12(+70328)	N/A

Chr9	43061648	43061912	Chr9.35890	Grik4(-117287),Arhgef12(+43938)	N/A
Chr9	43071088	43071205	Chr9.35906	Grik4(-126854),Arhgef12(+34571)	N/A
Chr9	43071249	43071421	Chr9.35908	Grik4(-126842),Arhgef12(+34383)	N/A
Chr9	43071831	43071970	Chr9.35912	Grik4(-127408),Arhgef12(+33817)	N/A
Chr9	43101948	43102330	Chr9.35942	Grik4(-157846),Arhgef12(+3579)	N/A
Chr9	43104007	43104183	Chr9.35944	Grik4(-159602),Arhgef12(+1623)	N/A
Chr9	43107108	43107254	Chr9.35954	Arhgef12(-1463)	N/A
Chr9	43107327	43107466	Chr9.35956	Arhgef12(-1679)	N/A
Chr9	43107886	43107886	Chr9.35958	Arhgef12(-2050)	N/A
Chr9	43110108	43110296	Chr9.35968	Arhgef12(+448)	N/A
Chr9	43115895	43115996	Chr9.36003	Tmem136(+624)	N/A
Chr9	43165080	43165184	Chr9.36082	Tmem136(-48562),Pou2f3(+40551)	N/A
Chr9	43200122	43200235	Chr9.36106	Tmem136(-83609),Pou2f3(+5504)	N/A
Chr9	43205620	43205756	Chr9.36119	Pou2f3(-5)	N/A
Chr9	43205864	43206032	Chr9.36122	Pou2f3(-265)	N/A
Chr9	43210542	43210654	Chr9.36131	Pou2f3(-4915)	N/A
Chr9	43232390	43232495	Chr9.36157	Pou2f3(-26760),Oaf(+7373)	N/A
Chr9	43250841	43251027	Chr9.36167	Oaf(-11118),D630033o11nk(-8945)	N/A
Chr9	43253326	43253470	Chr9.36173	Oaf(-13582),D630033o11nk(-6481)	N/A
Chr9	43261636	43261765	Chr9.36178	Trim29(-49062),D630033o11nk(+1822)	N/A
Chr9	43269237	43269391	Chr9.36188	Trim29(-41449),D630033o11nk(+9435)	N/A
Chr9	43281071	43281231	Chr9.36197	Trim29(-29612),D630033o11nk(+21272)	N/A
Chr9	43315383	43315483	Chr9.36243	Nectin1(-429143),Trim29(+4670)	N/A
Chr9	43349644	43349793	Chr9.36295	Nectin1(-394857),Trim29(+38956)	N/A
Chr9	43358471	43358676	Chr9.36312	Nectin1(-386052),Trim29(+47761)	N/A
Chr9	43359270	43359370	Chr9.36316	Nectin1(-385258),Trim29(+48557)	N/A
Chr9	43454231	43454348	Chr9.36387	Nectin1(-290286),Trim29(+143527)	N/A
Chr9	43462700	43462853	Chr9.36393	Nectin1(-281799),Trim29(+152014)	N/A
Chr9	43486704	43486888	Chr9.36435	Nectin1(-257780),Trim29(+176033)	N/A
Chr9	43492436	43492680	Chr9.36444	Nectin1(-252028),Trim29(+181785)	N/A
Chr9	43506105	43506407	Chr9.36453	Nectin1(-238320),Trim29(+195493)	N/A
Chr9	43527451	43527627	Chr9.36497	Nectin1(-217037),Trim29(+216776)	N/A
Chr9	43548999	43549142	Chr9.36530	Nectin1(-195505),Trim29(+238308)	N/A
Chr9	43549250	43549530	Chr9.36533	Nectin1(-195188),Trim29(+238627)	N/A
Chr9	43608073	43608185	Chr9.36582	Nectin1(-136447),Trim29(+297366)	N/A
Chr9	43620858	43621051	Chr9.36596	Nectin1(-123621),Trim29(+310192)	N/A
Chr9	43660914	43660914	Chr9.36632	Nectin1(-74726),Trim29(+359087)	N/A
Chr9	43674396	43674534	Chr9.36635	Nectin1(-70111),Trim29(+363702)	N/A
Chr9	43691081	43691219	Chr9.36643	Nectin1(-53426),Trim29(+380387)	N/A
Chr9	43699709	43699861	Chr9.36651	Nectin1(-44791),Trim29(+389022)	N/A
Chr9	43717556	43717756	Chr9.36665	Nectin1(-26920),Trim29(+406893)	N/A
Chr9	43744909	43745057	Chr9.36700	Nectin1(+407)	N/A
Chr9	43745446	43745578	Chr9.36701	Nectin1(+936)	N/A
Chr9	43748057	43748181	Chr9.36710	Thy1(-295265),Nectin1(+3543)	N/A
Chr9	43749255	43749361	Chr9.36714	Thy1(-294076),Nectin1(+4732)	N/A
Chr9	43751158	43751271	Chr9.36721	Thy1(-292169),Nectin1(+6639)	N/A
Chr9	43753802	43753962	Chr9.36725	Thy1(-289502),Nectin1(+9306)	N/A
Chr9	43754261	43754418	Chr9.36729	Thy1(-289044),Nectin1(+9764)	N/A
Chr9	43761289	43761446	Chr9.36746	Thy1(-282016),Nectin1(+16792)	N/A
Chr9	43765314	43765514	Chr9.36751	Thy1(-277970),Nectin1(+20838)	N/A
Chr9	43768925	43769120	Chr9.36756	Thy1(-274361),Nectin1(+24447)	N/A
Chr9	43769255	43769377	Chr9.36759	Thy1(-274068),Nectin1(+24740)	N/A
Chr9	43773656	43773806	Chr9.36766	Thy1(-269553),Nectin1(+29155)	N/A
Chr9	43776382	43776396	Chr9.36776	Thy1(-267049),Nectin1(+31763)	N/A
Chr9	43776427	43776545	Chr9.36778	Thy1(-266898),Nectin1(+31910)	N/A
Chr9	43777797	43777947	Chr9.36783	Thy1(-265512),Nectin1(+33296)	N/A
Chr9	43779679	43779854	Chr9.36787	Thy1(-263617),Nectin1(+35191)	N/A
Chr9	43783244	43783493	Chr9.36791	Thy1(-260015),Nectin1(+38793)	N/A
Chr9	43784988	43785193	Chr9.36801	Thy1(-258293),Nectin1(+40515)	N/A
Chr9	43787606	43787707	Chr9.36809	Thy1(-255727),Nectin1(+4308)	N/A
Chr9	43807204	43807461	Chr9.36875	Thy1(-236051),Nectin1(+62757)	N/A
Chr9	43808509	43808732	Chr9.36880	Thy1(-234763),Nectin1(+64045)	N/A
Chr9	43826716	43826830	Chr9.36885	Thy1(-216611),Nectin1(+82197)	N/A
Chr9	43844768	43844871	Chr9.36909	Thy1(-198564),Nectin1(+100244)	N/A
Chr9	43863869	43864028	Chr9.36914	Thy1(-179453),Nectin1(+19378)	N/A
Chr9	43879882	43880077	Chr9.36923	Thy1(-163404),Nectin1(+135404)	N/A
Chr9	43920335	43920516	Chr9.36943	Thy1(-122958),Nectin1(+175850)	N/A
Chr9	44066956	44067240	Chr9.37021	Usp2(+77)	N/A
Chr9	44069324	44069541	Chr9.37031	Mfpr(-32409),Usp2(+2412)	N/A
Chr9	44070318	44070424	Chr9.37038	Mfpr(-31477),Usp2(+3550)	N/A
Chr9	44070620	44070720	Chr9.37040	Mfpr(-31172),Usp2(+3649)	N/A
Chr9	44072010	44072221	Chr9.37047	Mfpr(-29726),Usp2(+5095)	N/A
Chr9	44079083	44079192	Chr9.37076	Mfpr(-22704),Usp2(+12117)	N/A
Chr9	44080148	44080247	Chr9.37084	Mfpr(-21644),Usp2(+13177)	N/A
Chr9	44083867	44084120	Chr9.37087	Mfpr(-17849),Usp2(+16973)	N/A
Chr9	44085977	44086125	Chr9.37094	Mfpr(-15791),Usp2(+19030)	N/A
Chr9	44087898	44088119	Chr9.37099	Mfpr(-13833),Usp2(+20988)	N/A
Chr9	44088287	44088401	Chr9.37104	Mfpr(-13498),Usp2(+21323)	N/A
Chr9	44107203	44107307	Chr9.37193	C1qtnf5(-16)	N/A
Chr9	44130618	44130773	Chr9.37261	Mcam(-3866)	N/A
Chr9	44133102	44133223	Chr9.37271	Mcam(-1394)	N/A
Chr9	44135190	44135320	Chr9.37279	Mcam(-693)	N/A
Chr9	44135844	44135947	Chr9.37286	Mcam(+1334),Cbl(+98150)	N/A
Chr9	44136098	44136249	Chr9.37288	Mcam(+1612),Cbl(+97872)	N/A
Chr9	44188402	44188510	Chr9.37454	Cbl(+45590),Mcam(+53894)	N/A
Chr9	44233144	44233276	Chr9.37466	Cbl(-836)	N/A
Chr9	44271432	44271431	Chr9.37862	Nix(-14698),Abcg4(+14333)	N/A
Chr9	44310902	44311012	Chr9.37771	Hirfp(-5286),C2cd2l(-9325)	N/A
Chr9	44318878	44318984	Chr9.37815	Hirfp(-13260),C2cd2l(+1351)	N/A
Chr9	44320218	44320338	Chr9.37825	C2cd2l(+4)	N/A
Chr9	44320837	44320991	Chr9.37826	C2cd2l(-632)	N/A
Chr9	44326490	44326589	Chr9.37833	Dpagt1(-305)	N/A
Chr9	44335920	44336052	Chr9.37876	H2afx(+1271),Hmbs(+8242)	N/A
Chr9	44398247	44398379	Chr9.38104	Slc37a4(+137)	N/A
Chr9	44454761	44454901	Chr9.38248	Upk2(-64)	N/A
Chr9	44457423	44457744	Chr9.38253	Upk2(-2817)	N/A
Chr9	44478807	44479008	Chr9.38269	Bcl9l(-20198),Gm9830(+14695)	N/A
Chr9	44479425	44479569	Chr9.38273	Bcl9l(-19639),Gm9830(+15264)	N/A
Chr9	44482591	44482820	Chr9.38284	Bcl9l(-16430),Gm9830(+18463)	N/A
Chr9	44483317	44483528	Chr9.38287	Bcl9l(-15713),Gm9830(+19180)	N/A
Chr9	44483679	44483805	Chr9.38290	Bcl9l(-15394),Gm9830(+19499)	N/A
Chr9	44485240	44485351	Chr9.38301	Bcl9l(-13840),Gm9830(+21053)	N/A
Chr9	44485732	44486027	Chr9.38305	Bcl9l(-13256),Gm9830(+21637)	N/A
Chr9	44487647	44487777	Chr9.38309	Bcl9l(-11424),Gm9830(+23469)	N/A
Chr9	44488534	44488684	Chr9.38315	Bcl9l(-10527),Gm9830(+24366)	N/A
Chr9	44488903	44489050	Chr9.38317	Bcl9l(-10159),Gm9830(+24734)	N/A
Chr9	44493152	44493382	Chr9.38332	Bcl9l(-5869),Gm9830(+29024)	N/A
Chr9	44494149	44494402	Chr9.38335	Bcl9l(-4860)	N/A
Chr9	44494556	44494708	Chr9.38339	Bcl9l(-4504)	N/A
Chr9	44494551	44495069	Chr9.38340	Bcl9l(-4178)	N/A
Chr9	44495138	44495301	Chr9.38342	Bcl9l(-3916)	N/A
Chr9	44495644	44495883	Chr9.38345	Bcl9l(-3372)	N/A
Chr9	10470937	10471058	Chr9.3835	Ctnn5(+433777)	N/A
Chr9	44497179	44497302	Chr9.38354	Bcl9l(-1895)	N/A
Chr9	44498850	44499003	Chr9.38362	Bcl9l(-2039)	N/A
Chr9	44499860	44500139	Chr9.38365	Bcl9l(+864)	N/A
Chr9	44501536	44501644	Chr9.38377	Bcl9l(+2454),Cxcr5(+54801)	N/A
Chr9	44510215	44510384	Chr9.38474	Bcl9l(+11164),Cxcr5(+46091)	N/A
Chr9	44511782	44511922	Chr9.38482	Bcl9l(+12716),Cxcr5(+44539)	N/A
Chr9	44537920	44538190	Chr9.38538	Cxcr5(-18336),Bcl9l(-38919)	N/A
Chr9	44571136	44571313	Chr9.38546	Ddx6(-33667),Cxcr5(-14834)	N/A
Chr9	44605671	44605826	Chr9.38559	Ddx6(+857)	N/A
Chr9	44637738	44638115	Chr9.38591	Treh(-35306),Ddx6(+33035)	N/A
Chr9	44638906	44639033	Chr9.38609	Treh(-34263),Ddx6(+34078)	N/A
Chr9	44638766	44638967	Chr9.38755	Treh(+25634),Phldb1(+36331)	N/A
Chr9	44701987	44702106	Chr9.38773	Treh(+28919),Phldb1(+33146)	N/A
Chr9	44708305	44708583	Chr9.38794	Phldb1(+26754),Treh(-35211)	N/A
Chr9	44708995	44709271	Chr9.38799	Phldb1(+26065),Treh(+35900)	N/A
Chr9	44709942	44710176	Chr9.38801	Phldb1(+25139),Treh(+36826)	N/A
Chr9	44713208	44713364	Chr9.38824	Phldb1(+21912),Treh(+40053)	N/A
Chr9	44711934	44711952	Chr9.38869	Phldb1(+15764),Treh(+46201)	N/A
Chr9	44719635	44719711	Chr9.38876	Phldb1(+15495),Treh(+6470)	N/A
Chr9	44719979	44720084	Chr9.38878	Phldb1(+15166),Treh(+46799)	N/A
Chr9	44720357	44720499	Chr9.38885	Phldb1(+14770),Treh(+47195)	N/A
Chr9	44723600	44723729	Chr9.38895	Phldb1(+11533),Treh(+50432)	N/A
Chr9	44724277	44724726	Chr9.38901	Phldb1(+10698),Treh(+51269)	N/A
Chr9	44729656	44729802	Chr9.38924	Phldb1(+6069),Treh(+55896)	N/A
Chr9	44737324	44737574	Chr9.38936	Phldb1(-2251)	N/A

Chr9	44746787	44746933	Chr9.38953	Phldb1(-11662),Arcn1(+20985)	N/A
Chr9	44767762	44767874	Chr9.38978	Arcn1(+27)	N/A
Chr9	44773676	44773786	Chr9.38984	Itf4b(+798)	N/A
Chr9	44805962	44806115	Chr9.39082	Ttc36(-3089)	N/A
Chr9	44807116	44807293	Chr9.39096	Ttc36(-4254)	N/A
Chr9	44873785	44873907	Chr9.39363	Ttc36(-70895),Mih1(+7428)	N/A
Chr9	44874050	44874610	Chr9.39367	Ttc36(-71379),Mih1(+6944)	N/A
Chr9	44875282	44875389	Chr9.39374	Ttc36(-72385),Mih1(+5938)	N/A
Chr9	44875471	44875726	Chr9.39376	Ttc36(-72648),Mih1(+5675)	N/A
Chr9	44878364	44879070	Chr9.39384	Ttc36(-75756),Mih1(+2557)	N/A
Chr9	44879127	44879363	Chr9.39386	Ttc36(-76294),Mih1(+2029)	N/A
Chr9	44879908	44880059	Chr9.39391	Ttc36(-77033),Mih1(+1290)	N/A
Chr9	44881581	44881807	Chr9.39400	Mih1(-420)	N/A
Chr9	44882146	44882399	Chr9.39407	Mih1(-999)	N/A
Chr9	44882572	44882701	Chr9.39410	Mih1(-1363)	N/A
Chr9	44882742	44882854	Chr9.39412	Mih1(-1524)	N/A
Chr9	44882960	44883273	Chr9.39414	Mih1(-1843)	N/A
Chr9	44914843	44915127	Chr9.39442	Mih1(-33711),Atp5i(+5757)	N/A
Chr9	45040156	45040256	Chr9.39593	Mp2l2(-2219)	N/A
Chr9	45117726	45117928	Chr9.39745	Scr2b(-49)	N/A
Chr9	45129255	45129393	Chr9.39788	Scr4b(-9108),Scr2b(+11453)	N/A
Chr9	45318886	45319033	Chr9.39997	Tmprss13(-140)	N/A
Chr9	45363859	45364031	Chr9.40078	Fxyd6(-6240),Tmprss13(+44845)	N/A
Chr9	45371448	45371601	Chr9.40089	Fxyd2(-31613),Fxyd6(+1340)	N/A
Chr9	45341489	45341611	Chr9.40158	Dscam1(+1257),Cap164(+397141)	N/A
Chr9	45432468	45432577	Chr9.40166	Dscam1(+2230),Cap164(+395166)	N/A
Chr9	45445811	45445919	Chr9.40218	Dscam1(+15572),Cap164(+382826)	N/A
Chr9	45465399	45465553	Chr9.40245	Dscam1(+35183),Cap164(+363215)	N/A
Chr9	45499223	45499355	Chr9.40286	Dscam1(+68996),Cap164(+329402)	N/A
Chr9	45502335	45502534	Chr9.40290	Dscam1(+72142),Cap164(+326256)	N/A
Chr9	45505021	45505157	Chr9.40296	Dscam1(+17479),Cap164(+323602)	N/A
Chr9	45537784	45537889	Chr9.40346	Dscam1(+107544),Cap164(+290854)	N/A
Chr9	45546046	45546204	Chr9.40353	Dscam1(+115832),Cap164(+282566)	N/A
Chr9	45546718	45546865	Chr9.40360	Dscam1(+116499),Cap164(+281899)	N/A
Chr9	45550168	45550305	Chr9.40372	Dscam1(+119944),Cap164(+278454)	N/A
Chr9	45555342	45555492	Chr9.40375	Dscam1(+125124),Cap164(+273274)	N/A
Chr9	45555544	45555656	Chr9.40377	Dscam1(+125307),Cap164(+273091)	N/A
Chr9	45571175	45571303	Chr9.40390	Dscam1(+140946),Cap164(+257452)	N/A
Chr9	45573164	45573277	Chr9.40392	Dscam1(+142928),Cap164(+255470)	N/A
Chr9	45579072	45579183	Chr9.40400	Dscam1(+148835),Cap164(+249563)	N/A
Chr9	45592447	45592616	Chr9.40414	Dscam1(+162239),Cap164(+236159)	N/A
Chr9	45594986	45595061	Chr9.40422	Dscam1(+169251),Cap164(+229147)	N/A
Chr9	45603115	45603440	Chr9.40439	Dscam1(+178065),Cap164(+220313)	N/A
Chr9	45608603	45608713	Chr9.40443	Dscam1(+178365),Cap164(+220033)	N/A
Chr9	45645792	45645974	Chr9.40500	Cap164(+182808),Dscam1(+215590)	N/A
Chr9	45651453	45651599	Chr9.40505	Cap164(+177165),Dscam1(+221233)	N/A
Chr9	45651655	45651917	Chr9.40509	Cap164(+176905),Dscam1(+221493)	N/A
Chr9	45657293	45657400	Chr9.40510	Cap164(+171344),Dscam1(+227054)	N/A
Chr9	45657532	45657663	Chr9.40512	Cap164(+171093),Dscam1(+227305)	N/A
Chr9	45665138	45665270	Chr9.40523	Cap164(+163487),Dscam1(+234911)	N/A
Chr9	45676484	45676786	Chr9.40562	Cap164(+152056),Dscam1(+246342)	N/A
Chr9	45677369	45677480	Chr9.40566	Cap164(+151266),Dscam1(+247132)	N/A
Chr9	45678205	45678335	Chr9.40571	Cap164(+150421),Dscam1(+247977)	N/A
Chr9	45682490	45682590	Chr9.40576	Cap164(+146151),Dscam1(+252479)	N/A
Chr9	45686274	45686414	Chr9.40595	Cap164(+142347),Dscam1(+250501)	N/A
Chr9	45693901	45694025	Chr9.40606	Cap164(+134728),Dscam1(+263670)	N/A
Chr9	10904676	10904871	Chr9.4086	Ctnn5(+1)	N/A
Chr9	45788492	45788641	Chr9.40901	Cap164(+40124),Dscam1(+3588274)	N/A
Chr9	45792361	45792495	Chr9.40915	Cap164(+36283),Dscam1(+362135)	N/A
Chr9	45828446	45828786	Chr9.40979	Cap164(+25)	N/A
Chr9	45838441	45838581	Chr9.40984	Bace1(-69)	N/A
Chr9	45860339	45860465	Chr9.41033	Pcsk7(-46167),Bace1(+21822)	N/A
Chr9	45861714	45861815	Chr9.41046	Pcsk7(-44804),Bace1(+23185)	N/A
Chr9	45861925	45862080	Chr9.41049	Pcsk7(-44566),Bace1(+23423)	N/A
Chr9	45920005	45920129	Chr9.41163	Rhf214(-13190),Tagln(+15991)	N/A
Chr9	45938014	45938177	Chr9.41210	Tagln(-38)	N/A
Chr9	45962070	45962175	Chr9.41319	Sidt2(-6876),Pafah1b2(+22748)	N/A
Chr9	45983665	45983768	Chr9.41359	Sidt2(-28470),Pafah1b2(+1154)	N/A
Chr9	45984760	45984879	Chr9.41362	Pafah1b2(+51)	N/A
Chr9	46012583	46012768	Chr9.41375	Sik3(-144)	N/A
Chr9	46015109	46015544	Chr9.41389	Apoa1(-21253),Sik3(+2507)	N/A
Chr9	46025974	46026135	Chr9.41410	Apoa1(-202529),Sik3(+13235)	N/A
Chr9	46031846	46031966	Chr9.41414	Apoa1(-196674),Sik3(+19086)	N/A
Chr9	46032005	46032114	Chr9.41417	Apoa1(-196520),Sik3(+19240)	N/A
Chr9	46032232	46032452	Chr9.41422	Apoa1(-196238),Sik3(+19322)	N/A
Chr9	46033118	46033272	Chr9.41425	Apoa1(-195389),Sik3(+20375)	N/A
Chr9	46053155	46053314	Chr9.41437	Apoa1(-175345),Sik3(+40415)	N/A
Chr9	46066872	46067026	Chr9.41442	Apoa1(-161631),Sik3(+54129)	N/A
Chr9	46067777	46067903	Chr9.41446	Apoa1(-160740),Sik3(+55020)	N/A
Chr9	46112327	46112473	Chr9.41494	Apoa1(-116180),Sik3(+99580)	N/A
Chr9	46112609	46112731	Chr9.41496	Apoa1(-115910),Sik3(+99650)	N/A
Chr9	46113198	46113316	Chr9.41502	Apoa1(-115328),Sik3(+100432)	N/A
Chr9	46150395	46150565	Chr9.41529	Apoa1(-78100),Sik3(+137660)	N/A
Chr9	46150656	46150757	Chr9.41533	Apoa1(-77873),Sik3(+137887)	N/A
Chr9	46151600	46151710	Chr9.41536	Apoa1(-76925),Sik3(+138835)	N/A
Chr9	46163428	46163683	Chr9.41555	Apoa1(-65024),Sik3(+150736)	N/A
Chr9	46169824	46169939	Chr9.41554	Apoa1(-68696),Sik3(+157062)	N/A
Chr9	46170052	46170226	Chr9.41566	Apoa1(-68441),Sik3(+157319)	N/A
Chr9	46189114	46189225	Chr9.41582	Apoa1(-39410),Sik3(+176350)	N/A
Chr9	46197134	46197236	Chr9.41599	Apoa1(-31395),Sik3(+184365)	N/A
Chr9	46206970	46207168	Chr9.41631	Apoa1(-21511),Sik3(+194249)	N/A
Chr9	46228508	46228648	Chr9.41705	Apoa1(-1)	N/A
Chr9	46327948	46328175	Chr9.41918	Gm4791(-670869),4931429151k(-8076)	N/A
Chr9	46329231	46329360	Chr9.41921	Gm4791(-669635),4931429151k(-9310)	N/A
Chr9	46329616	46329838	Chr9.41922	Gm4791(-669204),4931429151k(-9741)	N/A
Chr9	46338030	46338233	Chr9.41926	Gm4791(-660799),4931429151k(-18146)	N/A
Chr9	46350749	46350908	Chr9.41936	Gm4791(-648102),4931429151k(-30843)	N/A
Chr9	46352660	46352802	Chr9.41938	Gm4791(-646020),4931429151k(-32745)	N/A
Chr9	46431087	46431342	Chr9.41990	Gm4791(-567716),4931429151k(-111229)	N/A
Chr9	46442908	46443031	Chr9.41996	Gm4791(-555961),4931429151k(-122984)	N/A
Chr9	46443461	46443752	Chr9.41997	Gm4791(-555324),4931429151k(-123621)	N/A
Chr9	46455068	46455205	Chr9.42010	Gm4791(-543794),4931429151k(-135151)	N/A
Chr9	46476616	46476779	Chr9.42031	Gm4791(-522233),4931429151k(-156712)	N/A
Chr9	46480266	46480390	Chr9.42037	Gm4791(-518602),4931429151k(-160343)	N/A
Chr9	46480430	46480608	Chr9.42040	Gm4791(-518412),4931429151k(-160533)	N/A
Chr9	46482727	46482977	Chr9.42043	Gm4791(-516079),4931429151k(-162866)	N/A
Chr9	46511028	46511228	Chr9.42081	Gm4791(-487803),4931429151k(-191142)	N/A
Chr9	46537736	46538045	Chr9.42115	Gm4791(-461040),4931429151k(-217905)	N/A
Chr9	46592869	46593038	Chr9.42157	Gm4791(-405977),4931429151k(-272969)	N/A
Chr9	46600067	46600401	Chr9.42165	Gm4791(-398697),4931429151k(-280246)	N/A
Chr9	46602988	46603186	Chr9.42172	Gm4791(-395844),4931429151k(-283101)	N/A
Chr9	46610169	46610366	Chr9.42181	Gm4791(-388663),4931429151k(-290282)	N/A
Chr9	4454018	4454302	Chr9.422	Msantd4(+70625),Gria4(+342074)	N/A
Chr9	46645513	46645874	Chr9.42237	Gm4791(-353238),4931429151k(-325707)	N/A
Chr9	46702318	46702471	Chr9.42289	4931429151k(-385409),Gm4791(-296536)	N/A
Chr9	46702502	46702673	Chr9.42294	4931429151k(-382602),Gm4791(-296343)	N/A
Chr9	46745923	46746036	Chr9.42335	4931429151k(-425994),Gm4791(-252951)	N/A
Chr9	46751457	46751647	Chr9.42349	4931429151k(-431566),Gm4791(-247379)	N/A
Chr9	46752036	46752301	Chr9.42351	4931429151k(-432183),Gm4791(-246762)	N/A
Chr9	46782233	46782378	Chr9.42390	4931429151k(-462320),Gm4791(-216625)	N/A
Chr9	46788964	46789186	Chr9.42405	4931429151k(-469090),Gm4791(-209464)	N/A
Chr9	46795554	46795797	Chr9.42411	4931429151k(-475690),Gm4791(-203255)	N/A
Chr9	46814724	46814889	Chr9.42425	4931429151k(-494871),Gm4791(-184074)	N/A
Chr9	46819903	46820130	Chr9.42428	4931429151k(-500031),Gm4791(-178914)	N/A
Chr9	46830664	46830949	Chr9.42441	4931429151k(-510821),Gm4791(-168124)	N/A
Chr9	46831313	46831497	Chr9.42443	4931429151k(-511419),Gm4791(-167526)	N/A
Chr9	46835143	46835362	Chr9.42448	4931429151k(-515267),Gm4791(-163678)	N/A
Chr9	46845355	46845599	Chr9.42467	4931429151k(-525491),Gm4791(-153454)	N/A
Chr9	46851387	46851642	Chr9.42484	4931429151k(-531529),Gm4791(-147416)	N/A
Chr9	46864156	46864263	Chr9.42492	4931429151k(-544244),Gm4791(-134721)	N/A
Chr9	46869698	46869820	Chr9.42507	4931429151k(-578169),Gm4791(-100780)	N/A
Chr9	46911311	46911538	Chr9.42539	4931429151k(-593439),Gm4791(-85506)	N/A
Chr9	46913571	46913779	Chr9.42544	4931429151k(-593689),Gm4791(-85256)	N/A
Chr9	46915307	46915628	Chr9.42549	4931429151k(-595482),Gm4791(-83463)	N/A
Chr9	46958295	46958406	Chr9.42578	4931429151k(-638365),Gm4791(-40580)	N/A
Chr9	46964342	46964452	Chr9.42581	4931429151k(-644411),Gm4791(-34534)	N/A
Chr9	46969663	46969812	Chr9.42586	4931429151k(-646202),Gm4791(-291494)	N/A
Chr9	46970273	46970412	Chr9.42595	4931429151k(-650357),Gm4791(-28588)	N/A

Chr9	46978879	46979130	Chr9.42605	493142915rlik(-659019),Gm4791(-19926)	N/A
Chr9	46979348	46979487	Chr9.42607	493142915rlik(-659432),Gm4791(-19513)	N/A
Chr9	47069559	47069699	Chr9.42705	Cadm1(-460632),Gm4791(+70694)	N/A
Chr9	47069778	47070181	Chr9.42708	Cadm1(-460277),Gm4791(+71049)	N/A
Chr9	47075347	47075488	Chr9.42735	Cadm1(-454839),Gm4791(+76487)	N/A
Chr9	47075539	47075704	Chr9.42738	Cadm1(-454635),Gm4791(+76691)	N/A
Chr9	47077068	47077319	Chr9.42742	Cadm1(-453063),Gm4791(+78263)	N/A
Chr9	47133919	47134038	Chr9.42852	Cadm1(-396278),Gm4791(+135048)	N/A
Chr9	47166104	47166272	Chr9.42905	Cadm1(-364069),Gm4791(+167257)	N/A
Chr9	47167729	47167950	Chr9.42909	Cadm1(-362417),Gm4791(+168949)	N/A
Chr9	47260262	47260523	Chr9.42995	Cadm1(-269864),Gm4791(+261462)	N/A
Chr9	47266079	47266424	Chr9.43005	Cadm1(-264005),Gm4791(+267321)	N/A
Chr9	47280033	47280393	Chr9.43037	Cadm1(-250044),Gm4791(+281282)	N/A
Chr9	47286993	47287211	Chr9.43055	Cadm1(-243155),Gm4791(+288171)	N/A
Chr9	47288837	47289008	Chr9.43058	Cadm1(-241333),Gm4791(+289991)	N/A
Chr9	47307222	47307375	Chr9.43082	Cadm1(-222958),Gm4791(+308368)	N/A
Chr9	47313342	47313484	Chr9.43096	Cadm1(-216844),Gm4791(+314482)	N/A
Chr9	47322591	47322784	Chr9.43111	Cadm1(-207569),Gm4791(+323757)	N/A
Chr9	47335738	47335897	Chr9.43138	Cadm1(-194439),Gm4791(+336887)	N/A
Chr9	47351162	47354323	Chr9.43171	Cadm1(-176014),Gm4791(+355312)	N/A
Chr9	47355096	47355230	Chr9.43176	Cadm1(-175094),Gm4791(+356232)	N/A
Chr9	47358254	47358453	Chr9.43181	Cadm1(-171903),Gm4791(+359423)	N/A
Chr9	47363028	47363477	Chr9.43196	Cadm1(-167004),Gm4791(+364322)	N/A
Chr9	47368294	47368406	Chr9.43209	Cadm1(-161907),Gm4791(+369419)	N/A
Chr9	47384399	47384512	Chr9.43225	Cadm1(-145801),Gm4791(+385525)	N/A
Chr9	47385505	47385703	Chr9.43230	Cadm1(-144653),Gm4791(+386573)	N/A
Chr9	47386532	47386817	Chr9.43233	Cadm1(-143582),Gm4791(+387744)	N/A
Chr9	47387920	47388046	Chr9.43239	Cadm1(-142274),Gm4791(+389052)	N/A
Chr9	47403457	47403822	Chr9.43278	Cadm1(-126587),Gm4791(+404759)	N/A
Chr9	47406598	47406857	Chr9.43295	Cadm1(-123529),Gm4791(+407797)	N/A
Chr9	47407165	47407341	Chr9.43300	Cadm1(-123001),Gm4791(+408325)	N/A
Chr9	47408228	47408349	Chr9.43307	Cadm1(-121968),Gm4791(+409338)	N/A
Chr9	47410335	47410461	Chr9.43313	Cadm1(-119859),Gm4791(+411467)	N/A
Chr9	47422039	47422626	Chr9.43338	Cadm1(-107924),Gm4791(+423402)	N/A
Chr9	47432524	47435477	Chr9.43349	Cadm1(-94891),Gm4791(+436435)	N/A
Chr9	47439651	47439888	Chr9.43354	Cadm1(-90487),Gm4791(+440839)	N/A
Chr9	47458751	47458878	Chr9.43367	Cadm1(-71442),Gm4791(+459884)	N/A
Chr9	47529199	47529324	Chr9.43537	Cadm1(-995)	N/A
Chr9	47529713	47529895	Chr9.43539	Cadm1(-453)	N/A
Chr9	47530572	47530673	Chr9.43549	Cadm1(+366)	N/A
Chr9	47531459	47531596	Chr9.43555	Cadm1(+1271),Nxpe2(+809370)	N/A
Chr9	47531710	47531823	Chr9.43557	Cadm1(+1510),Nxpe2(+809131)	N/A
Chr9	47532090	47532370	Chr9.43559	Cadm1(+1973),Nxpe2(+808648)	N/A
Chr9	47532568	47532795	Chr9.43561	Cadm1(+2425),Nxpe2(+808216)	N/A
Chr9	47533471	47533915	Chr9.43568	Cadm1(+3436),Nxpe2(+807205)	N/A
Chr9	47545320	47545487	Chr9.43608	Cadm1(+15147),Nxpe2(+795494)	N/A
Chr9	47545533	47545742	Chr9.43612	Cadm1(+15381),Nxpe2(+795250)	N/A
Chr9	47546011	47546280	Chr9.43617	Cadm1(+15898),Nxpe2(+794752)	N/A
Chr9	12339451	12339561	Chr9.4365	Jh1(+906235)	N/A
Chr9	47574573	47574760	Chr9.43697	Cadm1(+44410),Nxpe2(+766231)	N/A
Chr9	47581578	47581789	Chr9.43724	Cadm1(+51427),Nxpe2(+759214)	N/A
Chr9	47584887	47585321	Chr9.43733	Cadm1(+54847),Nxpe2(+755794)	N/A
Chr9	47597901	47598111	Chr9.43771	Cadm1(+67749),Nxpe2(+742892)	N/A
Chr9	47598437	47598625	Chr9.43772	Cadm1(+68274),Nxpe2(+742367)	N/A
Chr9	47601603	47601963	Chr9.43787	Cadm1(+71526),Nxpe2(+739115)	N/A
Chr9	47604177	47604400	Chr9.43795	Cadm1(+74032),Nxpe2(+736609)	N/A
Chr9	47608922	47609302	Chr9.43802	Cadm1(+78855),Nxpe2(+731786)	N/A
Chr9	47612351	47612681	Chr9.43823	Cadm1(+82259),Nxpe2(+728382)	N/A
Chr9	47616521	47616707	Chr9.43849	Cadm1(+86357),Nxpe2(+724264)	N/A
Chr9	47618017	47618279	Chr9.43856	Cadm1(+87891),Nxpe2(+722150)	N/A
Chr9	47623817	47624043	Chr9.43871	Cadm1(+93673),Nxpe2(+716968)	N/A
Chr9	47624249	47624351	Chr9.43873	Cadm1(+94043),Nxpe2(+716598)	N/A
Chr9	47624582	47624685	Chr9.43878	Cadm1(+94377),Nxpe2(+716264)	N/A
Chr9	47624828	47624988	Chr9.43880	Cadm1(+94650),Nxpe2(+715991)	N/A
Chr9	47625329	47625484	Chr9.43886	Cadm1(+95140),Nxpe2(+715501)	N/A
Chr9	47638674	47638857	Chr9.43923	Cadm1(+108509),Nxpe2(+702132)	N/A
Chr9	47641095	47641221	Chr9.43930	Cadm1(+110901),Nxpe2(+699740)	N/A
Chr9	47671638	47671753	Chr9.44023	Cadm1(+141439),Nxpe2(+669202)	N/A
Chr9	47671786	47671942	Chr9.44026	Cadm1(+141607),Nxpe2(+669034)	N/A
Chr9	47683172	47683606	Chr9.44055	Cadm1(+153162),Nxpe2(+657479)	N/A
Chr9	47683836	47683783	Chr9.44081	Cadm1(+158288),Nxpe2(+652333)	N/A
Chr9	47692938	47693103	Chr9.44094	Cadm1(+162764),Nxpe2(+647877)	N/A
Chr9	47706496	47706850	Chr9.44133	Cadm1(+176416),Nxpe2(+634225)	N/A
Chr9	47728181	47728324	Chr9.44231	Cadm1(+197996),Nxpe2(+612645)	N/A
Chr9	47728594	47728701	Chr9.44232	Cadm1(+198391),Nxpe2(+612250)	N/A
Chr9	47728998	47729233	Chr9.44236	Cadm1(+198859),Nxpe2(+611793)	N/A
Chr9	47748991	47749301	Chr9.44300	Cadm1(+218889),Nxpe2(+591752)	N/A
Chr9	47752604	47752821	Chr9.44316	Cadm1(+222456),Nxpe2(+588185)	N/A
Chr9	47753528	47754001	Chr9.44323	Cadm1(+223508),Nxpe2(+587133)	N/A
Chr9	47755075	47755310	Chr9.44330	Cadm1(+224936),Nxpe2(+585705)	N/A
Chr9	47757603	47757770	Chr9.44336	Cadm1(+227430),Nxpe2(+583211)	N/A
Chr9	47757827	47757882	Chr9.44339	Cadm1(+227448),Nxpe2(+582893)	N/A
Chr9	47760107	47760276	Chr9.44355	Cadm1(+229835),Nxpe2(+580706)	N/A
Chr9	47760790	47761017	Chr9.44358	Cadm1(+230647),Nxpe2(+579994)	N/A
Chr9	47761929	47762183	Chr9.44364	Cadm1(+231799),Nxpe2(+578842)	N/A
Chr9	47786214	47786383	Chr9.44452	Cadm1(+256042),Nxpe2(+554599)	N/A
Chr9	47803230	47803490	Chr9.44528	Cadm1(+273103),Nxpe2(+537533)	N/A
Chr9	47803661	47803881	Chr9.44532	Cadm1(+273514),Nxpe2(+537127)	N/A
Chr9	47825425	47825592	Chr9.44635	Cadm1(+295252),Nxpe2(+515389)	N/A
Chr9	47828926	47829085	Chr9.44662	Cadm1(+298749),Nxpe2(+511892)	N/A
Chr9	47829166	47829529	Chr9.44665	Cadm1(+299091),Nxpe2(+511550)	N/A
Chr9	47841036	47841173	Chr9.44726	Cadm1(+310848),Nxpe2(+499793)	N/A
Chr9	47842940	47843080	Chr9.44734	Cadm1(+312753),Nxpe2(+497860)	N/A
Chr9	47857068	47857738	Chr9.44806	Cadm1(+327146),Nxpe2(+483495)	N/A
Chr9	47858327	47858586	Chr9.44815	Cadm1(+328200),Nxpe2(+482441)	N/A
Chr9	47858856	47859319	Chr9.44817	Cadm1(+328831),Nxpe2(+481810)	N/A
Chr9	47862430	47862747	Chr9.44829	Cadm1(+332332),Nxpe2(+478309)	N/A
Chr9	47871514	47871633	Chr9.44849	Cadm1(+341317),Nxpe2(+469234)	N/A
Chr9	47877966	47878101	Chr9.44861	Cadm1(+347777),Nxpe2(+462864)	N/A
Chr9	47882308	47882407	Chr9.44878	Cadm1(+352101),Nxpe2(+458540)	N/A
Chr9	47882487	47882681	Chr9.44881	Cadm1(+352327),Nxpe2(+458314)	N/A
Chr9	47892011	47892123	Chr9.44893	Cadm1(+361810),Nxpe2(+448831)	N/A
Chr9	47895003	47895185	Chr9.44901	Cadm1(+364387),Nxpe2(+445904)	N/A
Chr9	47895395	47895564	Chr9.44905	Cadm1(+365223),Nxpe2(+445418)	N/A
Chr9	47900782	47900957	Chr9.44911	Cadm1(+370613),Nxpe2(+440028)	N/A
Chr9	47905106	47905212	Chr9.44918	Cadm1(+374902),Nxpe2(+435739)	N/A
Chr9	47909146	47909300	Chr9.44924	Cadm1(+378966),Nxpe2(+431675)	N/A
Chr9	47936175	47936383	Chr9.44958	Nxpe2(+404619),Cadm1(+406022)	N/A
Chr9	47942913	47943127	Chr9.44971	Nxpe2(+397878),Cadm1(+412763)	N/A
Chr9	47946557	47946694	Chr9.44977	Nxpe2(+394272),Cadm1(+416369)	N/A
Chr9	47960849	47961081	Chr9.44996	Nxpe2(+379933),Cadm1(+430708)	N/A
Chr9	47987311	47987410	Chr9.45057	Nxpe2(+353537),Cadm1(+457104)	N/A
Chr9	48055342	48055483	Chr9.45073	Nxpe2(+285485),Cadm1(+525156)	N/A
Chr9	48058794	48058896	Chr9.45086	Nxpe2(+280205),Cadm1(+528588)	N/A
Chr9	48059890	48060114	Chr9.45092	Nxpe2(+280986),Cadm1(+529745)	N/A
Chr9	48066903	48066971	Chr9.45097	Nxpe2(+274011),Cadm1(+536630)	N/A
Chr9	48108937	48109103	Chr9.45163	Nxpe2(+231878),Cadm1(+578763)	N/A
Chr9	48163070	48163311	Chr9.45238	Nxpe2(+177707),Cadm1(+632934)	N/A
Chr9	48166260	48166399	Chr9.45251	Nxpe2(+174568),Cadm1(+636073)	N/A
Chr9	48197305	48197513	Chr9.45287	Nxpe2(+143489),Cadm1(+667152)	N/A
Chr9	48220416	48220518	Chr9.45317	Nxpe2(+120431),Cadm1(+682210)	N/A
Chr9	48266888	48267066	Chr9.45407	Nxpe2(+73921),Cadm1(+736720)	N/A
Chr9	48267847	48267965	Chr9.45408	Nxpe2(+72992),Cadm1(+737649)	N/A
Chr9	48480724	48480851	Chr9.45628	Rexo2(-177)	N/A
Chr9	48517333	48517680	Chr9.45687	Gm561(+22162),Nmmt(+87646)	N/A
Chr9	48517720	48517955	Chr9.45690	Gm561(+22493),Nmmt(+87315)	N/A
Chr9	48538961	48539085	Chr9.45703	Gm561(+43678),Nmmt(+66130)	N/A
Chr9	48596871	48597023	Chr9.45753	Nmmt(+8206),Gm561(+101602)	N/A
Chr9	48647718	48647873	Chr9.45779	Nmmt(-42643),Zbtb16(+188149)	N/A
Chr9	48649443	48649560	Chr9.45780	Nmmt(-44349),Zbtb16(+186443)	N/A
Chr9	48649590	48649700	Chr9.45781	Nmmt(-44462),Zbtb16(+186300)	N/A
Chr9	48662433	48662543	Chr9.45816	Nmmt(-57336),Zbtb16(+173457)	N/A
Chr9	48662654	48662758	Chr9.45817	Nmmt(-57553),Zbtb16(+173239)	N/A
Chr9	48662910	48663088	Chr9.45818	Nmmt(-57846),Zbtb16(+172946)	N/A
Chr9	48663179	48663338	Chr9.45820	Nmmt(-58106),Zbtb16(+172686)	N/A
Chr9	48672996	48673197	Chr9.45827	Nmmt(-67944),Zbtb16(+162848)	N/A
Chr9	48675242	48675569	Chr9.45835	Nmmt(-70253),Zbtb16(+160539)	N/A
Chr9	48677411	48677550	Chr9.45841	Nmmt(-72326),Zbtb16(+158464)	N/A

Chr9	48678363	48678815	Chr9.45846	Nnmt(-73436),Zbtb16(+157356)	N/A
Chr9	48678990	48679161	Chr9.45849	Nnmt(-73923),Zbtb16(+156869)	N/A
Chr9	48691570	48691779	Chr9.45864	Nnmt(-86522),Zbtb16(+144270)	N/A
Chr9	48694617	48694973	Chr9.45871	Nnmt(-86942),Zbtb16(+141150)	N/A
Chr9	48695790	48695923	Chr9.45876	Nnmt(-90704),Zbtb16(+140088)	N/A
Chr9	48696825	48697090	Chr9.45879	Nnmt(-91805),Zbtb16(+138987)	N/A
Chr9	48700996	48701196	Chr9.45889	Nnmt(-95943),Zbtb16(+134849)	N/A
Chr9	48707335	48707477	Chr9.45897	Nnmt(-102253),Zbtb16(+128539)	N/A
Chr9	48711238	48711374	Chr9.45910	Nnmt(-102153),Zbtb16(+124639)	N/A
Chr9	48723771	48723900	Chr9.45928	Nnmt(-118833),Zbtb16(+112109)	N/A
Chr9	48728206	48728605	Chr9.45929	Nnmt(-123253),Zbtb16(+107539)	N/A
Chr9	48729641	48729740	Chr9.45939	Nnmt(-124538),Zbtb16(+106254)	N/A
Chr9	48733517	48733642	Chr9.45952	Nnmt(-128427),Zbtb16(+102365)	N/A
Chr9	48733814	48734196	Chr9.45954	Nnmt(-128852),Zbtb16(+101940)	N/A
Chr9	48734504	48734650	Chr9.45959	Nnmt(-129424),Zbtb16(+101358)	N/A
Chr9	48736577	48736904	Chr9.45963	Nnmt(-131538),Zbtb16(+99254)	N/A
Chr9	48737267	48737380	Chr9.45970	Nnmt(-132171),Zbtb16(+98621)	N/A
Chr9	48737474	48737717	Chr9.45971	Nnmt(-132443),Zbtb16(+98349)	N/A
Chr9	48739909	48740033	Chr9.45977	Nnmt(-134818),Zbtb16(+95974)	N/A
Chr9	48740175	48740358	Chr9.45979	Nnmt(-135114),Zbtb16(+95678)	N/A
Chr9	48752018	48752178	Chr9.46000	Nnmt(-146843),Zbtb16(+83847)	N/A
Chr9	48752309	48752461	Chr9.46002	Nnmt(-147232),Zbtb16(+83560)	N/A
Chr9	48755808	48756078	Chr9.46007	Nnmt(-150790),Zbtb16(+80002)	N/A
Chr9	48767507	48767709	Chr9.46030	Nnmt(-162455),Zbtb16(+68337)	N/A
Chr9	48768168	48768486	Chr9.46038	Nnmt(-163164),Zbtb16(+67628)	N/A
Chr9	48773298	48773403	Chr9.46040	Nnmt(-168198),Zbtb16(+62594)	N/A
Chr9	48786991	48787129	Chr9.46068	Nnmt(-181907),Zbtb16(+48855)	N/A
Chr9	48795248	48795532	Chr9.46088	Nnmt(-190237),Zbtb16(+40555)	N/A
Chr9	48800725	48800956	Chr9.46104	Nnmt(-195688),Zbtb16(+35104)	N/A
Chr9	48814540	48814917	Chr9.46124	Nnmt(-209576),Zbtb16(+21216)	N/A
Chr9	48817390	48817560	Chr9.46137	Nnmt(-212322),Zbtb16(+19470)	N/A
Chr9	48819325	48819453	Chr9.46141	Nnmt(-214236),Zbtb16(+16556)	N/A
Chr9	48819801	48819945	Chr9.46144	Nnmt(-214720),Zbtb16(+16072)	N/A
Chr9	48820845	48821156	Chr9.46147	Nnmt(-215848),Zbtb16(+14944)	N/A
Chr9	48822858	48823278	Chr9.46159	Nnmt(-217915),Zbtb16(+12877)	N/A
Chr9	48823343	48823602	Chr9.46163	Nnmt(-218320),Zbtb16(+12472)	N/A
Chr9	48838257	48838628	Chr9.46231	Zbtb16(-3498)	N/A
Chr9	48867164	48867289	Chr9.46256	Zbtb16(-31282),Htr3a(+43872)	N/A
Chr9	48895956	48896111	Chr9.46279	Zbtb16(-60089),Htr3a(+15065)	N/A
Chr9	48916152	48916486	Chr9.46355	Htr3a(-5220),Htr3b(+48671)	N/A
Chr9	48961252	48961384	Chr9.46446	Htr3a(-50219),Htr3b(+3672)	N/A
Chr9	48962111	48962333	Chr9.46455	Htr3a(-51123),Htr3b(+2768)	N/A
Chr9	48986728	48986865	Chr9.46473	Zw10(-48794),Usp28(+1412)	N/A
Chr9	48986983	48987168	Chr9.46476	Zw10(-68505),Usp28(+1691)	N/A
Chr9	49483400	49483563	Chr9.47114	Ank1(-56461),Tlc12(+2743)	N/A
Chr9	49503667	49503877	Chr9.47144	Tlc12(-17547),Ncam1(+294957)	N/A
Chr9	49504714	49504919	Chr9.47149	Tlc12(-18592),Ncam1(+293912)	N/A
Chr9	49505984	49505223	Chr9.47150	Tlc12(-18934),Ncam1(+293570)	N/A
Chr9	49536939	49537060	Chr9.47244	Tlc12(-60779),Ncam1(+261729)	N/A
Chr9	49540808	49540927	Chr9.47248	Tlc12(-54643),Ncam1(+257861)	N/A
Chr9	49571980	49572089	Chr9.47385	Tlc12(-85810),Ncam1(+226694)	N/A
Chr9	49590337	49590448	Chr9.47421	Tlc12(-104168),Ncam1(+208336)	N/A
Chr9	49590477	49590679	Chr9.47424	Tlc12(-104533),Ncam1(+208151)	N/A
Chr9	49593878	49594253	Chr9.47436	Tlc12(-107841),Ncam1(+204639)	N/A
Chr9	49596528	49596739	Chr9.47449	Tlc12(-110409),Ncam1(+202095)	N/A
Chr9	49624368	49624545	Chr9.47494	Tlc12(-138232),Ncam1(+174272)	N/A
Chr9	49667621	49667859	Chr9.47568	Tlc12(-181515),Ncam1(+130989)	N/A
Chr9	49683942	49684098	Chr9.47609	Tlc12(-197795),Ncam1(+114709)	N/A
Chr9	49728521	49728819	Chr9.47674	Tlc12(-242458),Ncam1(+10069)	N/A
Chr9	49793383	49793598	Chr9.47741	Tlc12(-307266),Ncam1(+25238)	N/A
Chr9	49797116	49797281	Chr9.47754	Tlc12(-310974),Ncam1(+1530)	N/A
Chr9	49797752	49797857	Chr9.47759	Ncam1(+924)	N/A
Chr9	49797930	49798123	Chr9.47761	Ncam1(+702)	N/A
Chr9	49798699	49798918	Chr9.47767	Ncam1(-200)	N/A
Chr9	49818274	49818638	Chr9.47793	Ncam1(-19727),Rpl10-ps3(+526525)	N/A
Chr9	49845091	49845216	Chr9.47824	Ncam1(-46425),Rpl10-ps3(+499827)	N/A
Chr9	49845477	49845583	Chr9.47828	Ncam1(-46801),Rpl10-ps3(+499451)	N/A
Chr9	49893055	49893184	Chr9.47908	Ncam1(-94391),Rpl10-ps3(+451861)	N/A
Chr9	49924283	49924399	Chr9.47942	Ncam1(-128612),Rpl10-ps3(+420640)	N/A
Chr9	49928313	49928434	Chr9.47947	Ncam1(-128647),Rpl10-ps3(+168029)	N/A
Chr9	49936113	49936212	Chr9.47960	Ncam1(-137436),Rpl10-ps3(+408818)	N/A
Chr9	49936278	49936378	Chr9.47963	Ncam1(-137599),Rpl10-ps3(+408653)	N/A
Chr9	49976422	49976622	Chr9.48025	Ncam1(-177793),Rpl10-ps3(+368459)	N/A
Chr9	49989945	49990211	Chr9.48043	Ncam1(-191349),Rpl10-ps3(+354903)	N/A
Chr9	50025492	50025607	Chr9.48098	Ncam1(-228821),Rpl10-ps3(+319431)	N/A
Chr9	50106355	50106554	Chr9.48161	Ncam1(-307741),Rpl10-ps3(+238511)	N/A
Chr9	50120976	50121209	Chr9.48175	Ncam1(-322364),Rpl10-ps3(+223888)	N/A
Chr9	50121286	50121596	Chr9.48177	Ncam1(-322712),Rpl10-ps3(+223540)	N/A
Chr9	13296989	13297375	Chr9.4818	Phx4(-134179),Cdc82(+50200)	N/A
Chr9	50141093	50141215	Chr9.48197	Ncam1(-342425),Rpl10-ps3(+203827)	N/A
Chr9	50141249	50141411	Chr9.48201	Ncam1(-342601),Rpl10-ps3(+203651)	N/A
Chr9	50142121	50142345	Chr9.48203	Ncam1(-342604),Rpl10-ps3(+202748)	N/A
Chr9	50142697	50143076	Chr9.48207	Ncam1(-344158),Rpl10-ps3(+202094)	N/A
Chr9	50171198	50171457	Chr9.48227	Ncam1(-372599),Rpl10-ps3(+173653)	N/A
Chr9	50171782	50171895	Chr9.48230	Ncam1(-373110),Rpl10-ps3(+173142)	N/A
Chr9	50172090	50172220	Chr9.48231	Ncam1(-373426),Rpl10-ps3(+172826)	N/A
Chr9	13299073	13300136	Chr9.4834	Phx4(-131306),Cdc82(+53073)	N/A
Chr9	50306312	50306478	Chr9.48355	Ncam1(-150766),Rpl10-ps3(+38586)	N/A
Chr9	50365322	50365514	Chr9.48413	Plet1(-129107),Rpl10-ps3(-20437)	N/A
Chr9	13301239	13301353	Chr9.4842	Phx4(-130065),Cdc82(+54314)	N/A
Chr9	50369019	50369123	Chr9.48420	Plet1(-125454),Rpl10-ps3(-24090)	N/A
Chr9	13301444	13301581	Chr9.48443	Phx4(-129488),Cdc82(+54531)	N/A
Chr9	50425335	50425462	Chr9.48449	Rpl10-ps3(-60418),Plet1(-69129)	N/A
Chr9	13304014	13304281	Chr9.4853	Phx4(-127213),Cdc82(+57166)	N/A
Chr9	13307103	13307205	Chr9.4861	Phx4(-124207),Cdc82(+60172)	N/A
Chr9	13307311	13307490	Chr9.4864	Phx4(-123960),Cdc82(+60419)	N/A
Chr9	50616621	50616887	Chr9.48657	Phx12(-571),Nkap1(+1720)	N/A
Chr9	50692254	50692380	Chr9.48798	Dlat(-32537),Dxdc1(+35658)	N/A
Chr9	50692766	50692981	Chr9.48802	Dlat(-33094),Dxdc1(+35101)	N/A
Chr9	13316064	13316245	Chr9.4881	Phx4(-115206),Cdc82(+69173)	N/A
Chr9	50696958	50697184	Chr9.48814	Dlat(-37291),Dxdc1(+30904)	N/A
Chr9	50697817	50697942	Chr9.48821	Dlat(-38100),Dxdc1(+30095)	N/A
Chr9	50698551	50698672	Chr9.48824	Dlat(-38832),Dxdc1(+29363)	N/A
Chr9	50734969	50735069	Chr9.48877	Dxdc1(-7044),Z1003030p6nk(+11502)	N/A
Chr9	13323458	13323581	Chr9.4891	Phx4(-107841),Cdc82(+76538)	N/A
Chr9	50752997	50753187	Chr9.48917	Hspb2(-738),Cryab(+334)	N/A
Chr9	13323615	13323852	Chr9.4894	Phx4(-107627),Cdc82(+76752)	N/A
Chr9	50798441	50798661	Chr9.49014	Ppp2r1b(-58373),Alg9(+23532)	N/A
Chr9	50832095	50832213	Chr9.49060	Ppp2r1b(-24770),Alg9(+57135)	N/A
Chr9	50841590	50841774	Chr9.49066	Ppp2r1b(-15257),Alg9(+6646)	N/A
Chr9	50850692	50850863	Chr9.49092	Ppp2r1b(-6146),Alg9(+75759)	N/A
Chr9	50854183	50854482	Chr9.49099	Ppp2r1b(-2591)	N/A
Chr9	50856244	50856440	Chr9.49107	Ppp2r1b(-582)	N/A
Chr9	50879899	50880062	Chr9.49144	Ppp2r1b(+23057),Sik2(+129092)	N/A
Chr9	50880227	50880422	Chr9.49147	Ppp2r1b(+23401),Sik2(+128748)	N/A
Chr9	50884826	50884986	Chr9.49161	Ppp2r1b(+27982),Sik2(+124167)	N/A
Chr9	50885362	50885519	Chr9.49163	Ppp2r1b(+28517),Sik2(+123632)	N/A
Chr9	13425408	13425887	Chr9.4917	Phx4(-5713),Cdc82(+178666)	N/A
Chr9	50893462	50893627	Chr9.49183	Ppp2r1b(+36621),Sik2(+115528)	N/A
Chr9	13426348	13426496	Chr9.4924	Phx4(-4939)	N/A
Chr9	50900347	50900473	Chr9.49246	Ppp2r1b(+43486),Sik2(+108663)	N/A
Chr9	50900529	50900712	Chr9.49250	Ppp2r1b(+43697),Sik2(+108452)	N/A
Chr9	13426718	13426827	Chr9.4926	Phx4(-4588)	N/A
Chr9	50986200	50986435	Chr9.49334	Sik2(+22755),Ppp2r1b(+128394)	N/A
Chr9	13435731	13435923	Chr9.4934	Mam12(-226833),Phx4(+4468)	N/A
Chr9	51007832	51008081	Chr9.49353	Sik2(+1066),Ppp2r1b(+151083)	N/A
Chr9	13436361	13436542	Chr9.4937	Mam12(-226008),Phx4(+5091)	N/A
Chr9	13454908	13455313	Chr9.4958	Mam12(-207349),Phx4(+23750)	N/A
Chr9	51167933	51168173	Chr9.49660	Pou2af1(-45637),Btg4(+52052)	N/A
Chr9	13461034	13461155	Chr9.4968	Mam12(-201365),Phx4(+29734)	N/A
Chr9	51213808	51213813	Chr9.49737	Pou2af1(+21)	N/A
Chr9	51215496	51215668	Chr9.49745	Pou2af1(+1892),Colca2(+62972)	N/A
Chr9	13467679	13467779	Chr9.4979	Mam12(-194731),Phx4(+36388)	N/A
Chr9	51252207	51252368	Chr9.49801	Colca2(+26266),Pou2af1(+38598)	N/A
Chr9	13470158	13470284	Chr9.4986	Mam12(-192239),Phx4(+38860)	N/A
Chr9	51279556	51279703	Chr9.49862	Colca2(-1076),201000706nk(-665)	N/A
Chr9	13479306	13479462	Chr9.4993	Mam12(-183686),Phx4(+46033)	N/A
Chr9	51363032	51363214	Chr9.49955	Gm1729(-258302),181004607nk(-34206)	N/A

Chr9	13483447	13483624	Chr9.4998	Mam12(-178924),Phx4(+52175)	N/A
Chr9	13484076	13484292	Chr9.4999	Mam12(-178276),Phx4(+52823)	N/A
Chr9	13484615	13484795	Chr9.5002	Mam12(-177755),Phx4(+53344)	N/A
Chr9	51442244	51442219	Chr9.5002b	Gm17293(-179239),1810046k07rik(-113215)	N/A
Chr9	51455817	51456052	Chr9.50032	Gm17293(-165485),1810046k07rik(-127023)	N/A
Chr9	51462512	51462666	Chr9.50043	Gm17293(-158836),1810046k07rik(-133672)	N/A
Chr9	51507452	51507619	Chr9.50063	1810046k07rik(-178619),Gm17293(-113889)	N/A
Chr9	51507655	51507763	Chr9.50064	1810046k07rik(-178792),Gm17293(-113716)	N/A
Chr9	51637316	51637421	Chr9.50160	Arhgap20(-127983),Gm17293(+15944)	N/A
Chr9	51736638	51736879	Chr9.50251	Arhgap20(-29593),Gm17293(+114534)	N/A
Chr9	51764502	51764711	Chr9.50280	Arhgap20(-745)	N/A
Chr9	51807033	51807254	Chr9.50301	Arhgap20(+41792),Fdx1(+156389)	N/A
Chr9	13497375	13497571	Chr9.5041	Mam12(-164987),Phx4(+66112)	N/A
Chr9	51881555	51881708	Chr9.50414	Fdx1(+81901),Arhgap20(+116280)	N/A
Chr9	51881878	51882001	Chr9.50417	Fdx1(+81593),Arhgap20(+116589)	N/A
Chr9	13497707	13497863	Chr9.5043	Mam12(-164675),Phx4(+66424)	N/A
Chr9	51928516	51928705	Chr9.50456	Fdx1(+34922),Arhgap20(+163259)	N/A
Chr9	13499443	13499553	Chr9.5048	Mam12(-162962),Phx4(+68137)	N/A
Chr9	52027415	52027527	Chr9.50488	Fdx1(-63938),Rdx(-20470)	N/A
Chr9	52113420	52113548	Chr9.50581	Zc3h12c(+54627),Rdx(+65543)	N/A
Chr9	13506938	13507187	Chr9.5059	Mam12(-165397),Phx4(+75702)	N/A
Chr9	52114304	52114588	Chr9.50590	Zc3h12c(+53665),Rdx(+66505)	N/A
Chr9	13507423	13507570	Chr9.5063	Mam12(-154963),Phx4(+76136)	N/A
Chr9	52146055	52146699	Chr9.50680	Zc3h12c(+21734),Rdx(+98436)	N/A
Chr9	52188162	52188355	Chr9.50703	Zc3h12c(-20148),A1593442(+491170)	N/A
Chr9	13513135	13513285	Chr9.5071	Mam12(-146250),Phx4(+81849)	N/A
Chr9	52278711	52278880	Chr9.50762	Zc3h12c(-110685),A1593442(+400633)	N/A
Chr9	13517657	13517836	Chr9.5079	Mam12(-144713),Phx4(+86386)	N/A
Chr9	52369027	52369151	Chr9.50824	Zc3h12c(-200978),A1593442(+310340)	N/A
Chr9	13525005	13525181	Chr9.5093	Mam12(-137367),Phx4(+93732)	N/A
Chr9	13531012	13531310	Chr9.5102	Mam12(-131299),Phx4(+99800)	N/A
Chr9	52623967	52624083	Chr9.51062	Zc3h12c(-455914),A1593442(+45404)	N/A
Chr9	13536407	13536564	Chr9.5111	Mam12(-125974),Phx4(+105125)	N/A
Chr9	13536780	13536890	Chr9.5113	Mam12(-125625),Phx4(+105474)	N/A
Chr9	52679748	52679863	Chr9.51158	A1593442(-377)	N/A
Chr9	13537115	13537214	Chr9.5116	Mam12(-125299),Phx4(+105804)	N/A
Chr9	13537349	13537489	Chr9.5118	Mam12(-125041),Phx4(+106058)	N/A
Chr9	13543500	13543647	Chr9.5124	Mam12(-118886),Phx4(+112213)	N/A
Chr9	52800618	52800745	Chr9.51247	A1593442(-121253),Ddx10(+447430)	N/A
Chr9	52941064	52941230	Chr9.51315	A1593442(-261718),Ddx10(+306965)	N/A
Chr9	13548372	13548572	Chr9.5143	Mam12(-113988),Phx4(+117111)	N/A
Chr9	53350636	53350752	Chr9.51637	Fogul3(-27329),Exph5(+50024)	N/A
Chr9	13563338	13563442	Chr9.5164	Mam12(-69070),Phx4(+132029)	N/A
Chr9	13563825	13563933	Chr9.5167	Mam12(-95851),Phx4(+132518)	N/A
Chr9	13574129	13574321	Chr9.5179	Mam12(-88235),Phx4(+142864)	N/A
Chr9	13576393	13576569	Chr9.5184	Mam12(-85979),Phx4(+145120)	N/A
Chr9	13583388	13583744	Chr9.5199	Mam12(-78894),Phx4(+152205)	N/A
Chr9	13583981	13584185	Chr9.5205	Mam12(-78402),Phx4(+152697)	N/A
Chr9	13584005	13584781	Chr9.5210	Mam12(-77767),Phx4(+153332)	N/A
Chr9	13587269	13587527	Chr9.5214	Mam12(-75062),Phx4(+156037)	N/A
Chr9	13587558	13587906	Chr9.5216	Mam12(-74728),Phx4(+156371)	N/A
Chr9	13597798	13597960	Chr9.5227	Mam12(-64581),Phx4(+166518)	N/A
Chr9	53931016	53931157	Chr9.52386	Eimod1(+44214),Sin(+80536)	N/A
Chr9	13601808	13601945	Chr9.5239	Mam12(-60583),Phx4(+170516)	N/A
Chr9	54303838	54304074	Chr9.52621	Gldn(+17470),Dmxl2(+197670)	N/A
Chr9	13611767	13611935	Chr9.5263	Mam12(-50609),Phx4(+180490)	N/A
Chr9	13613458	13613648	Chr9.5267	Mam12(-48907),Phx4(+182192)	N/A
Chr9	54534218	54534326	Chr9.52856	Sh2d7(-4712)	N/A
Chr9	54661792	54661973	Chr9.53070	Acabg1(-13)	N/A
Chr9	54691290	54691500	Chr9.53077	Acabg1(-29529),Dnajb4(-8164)	N/A
Chr9	13633117	13633249	Chr9.5314	Mam12(-29277),Phx4(+201822)	N/A
Chr9	54745851	54746037	Chr9.53155	Crabp1(-18804),Wdr61(-11425)	N/A
Chr9	54752790	54753075	Chr9.53168	Wdr61(-18414),Crabp1(-11815)	N/A
Chr9	13635995	13635757	Chr9.5318	Mam12(-28784),Phx4(+202315)	N/A
Chr9	54770406	54770531	Chr9.53202	Ireb2(-93268),Crabp1(+5721)	N/A
Chr9	54784130	54784242	Chr9.53213	Ireb2(-79569),Crabp1(+19438)	N/A
Chr9	54800039	54800141	Chr9.53219	Ireb2(-63665),Crabp1(+35342)	N/A
Chr9	54801535	54801636	Chr9.53222	Ireb2(-62169),Crabp1(+36838)	N/A
Chr9	54802953	54803052	Chr9.53223	Ireb2(-60792),Crabp1(+38255)	N/A
Chr9	13645168	13645462	Chr9.5341	Mam12(-17145),Phx4(+213954)	N/A
Chr9	13652310	13652711	Chr9.5352	Mam12(-9949),Phx4(+221150)	N/A
Chr9	55327254	55327409	Chr9.53650	Tmem266(+383)	N/A
Chr9	55424063	55424263	Chr9.53699	Elf1(+88080),Tmem266(+97214)	N/A
Chr9	55426947	55427120	Chr9.53706	Elf1(+85209),Tmem266(+100085)	N/A
Chr9	13646886	13665012	Chr9.5374	Mtmr2(-63461),Mam12(+2489)	N/A
Chr9	55534893	55535123	Chr9.53828	Elf1(-22765),Isl2(+6140)	N/A
Chr9	55546034	55546194	Chr9.53853	Isl2(+4966),Scaper(+373491)	N/A
Chr9	55546578	55546785	Chr9.53855	Isl2(+5534),Scaper(+372923)	N/A
Chr9	55556851	55557187	Chr9.53880	Isl2(+15871),Scaper(+362586)	N/A
Chr9	55581576	55581731	Chr9.53916	Isl2(+40506),Scaper(+337951)	N/A
Chr9	13673923	13674217	Chr9.5393	Mtmr2(-74540),Mam12(+11610)	N/A
Chr9	13676956	13676862	Chr9.5399	Mtmr2(-71651),Mam12(+1299)	N/A
Chr9	55695364	55695770	Chr9.54007	Isl2(+154419),Scaper(+224038)	N/A
Chr9	55731585	55731785	Chr9.54028	Scaper(+187920),Isl2(+190537)	N/A
Chr9	13681514	13681690	Chr9.5408	Mtmr2(-66808),Mam12(+19142)	N/A
Chr9	13681731	13681967	Chr9.5411	Mtmr2(-66561),Mam12(+19389)	N/A
Chr9	56201128	56201238	Chr9.54252	Tspan3(-40112),Peak1(+21686)	N/A
Chr9	13688961	13689239	Chr9.5428	Mtmr2(-59310),Mam12(+26640)	N/A
Chr9	13690596	13690775	Chr9.5434	Mtmr2(-57724),Mam12(+28226)	N/A
Chr9	56234717	56234866	Chr9.54350	Tspan3(-73722),Peak1(+183258)	N/A
Chr9	56242939	56243063	Chr9.54368	Tspan3(-81931),Peak1(+175049)	N/A
Chr9	13693970	13694177	Chr9.5438	Mtmr2(-54336),Mam12(+31614)	N/A
Chr9	56248454	56248975	Chr9.54487	Tspan3(-103835),Peak1(+153145)	N/A
Chr9	56303214	56303346	Chr9.54529	Tspan3(-142210),Peak1(+114770)	N/A
Chr9	56418564	56418665	Chr9.54603	Peak1(-565),Hmg20a(-29)	N/A
Chr9	56418786	56418962	Chr9.54605	Peak1(-824),Hmg20a(+230)	N/A
Chr9	56421586	56421749	Chr9.54611	Peak1(-3618),Hmg20a(+3024)	N/A
Chr9	56463675	56463817	Chr9.54629	Hmg20a(+45102),Lingo1(+221507)	N/A
Chr9	56463798	56464178	Chr9.54631	Hmg20a(+45444),Lingo1(+221165)	N/A
Chr9	56465042	56465357	Chr9.54633	Hmg20a(+46556),Lingo1(+220053)	N/A
Chr9	56465395	56465558	Chr9.54639	Hmg20a(+46833),Lingo1(+219776)	N/A
Chr9	56485615	56485830	Chr9.54671	Hmg20a(+67079),Lingo1(+199330)	N/A
Chr9	56489819	56489970	Chr9.54684	Hmg20a(+71251),Lingo1(+195359)	N/A
Chr9	56492503	56492655	Chr9.54688	Hmg20a(+73935),Lingo1(+192674)	N/A
Chr9	56495023	56495199	Chr9.54702	Hmg20a(+76467),Lingo1(+190142)	N/A
Chr9	56495271	56495385	Chr9.54709	Hmg20a(+76684),Lingo1(+189925)	N/A
Chr9	56496741	56496964	Chr9.54714	Hmg20a(+78209),Lingo1(+188400)	N/A
Chr9	56502346	56502544	Chr9.54723	Hmg20a(+83801),Lingo1(+182808)	N/A
Chr9	56505412	56505601	Chr9.54729	Hmg20a(+86863),Lingo1(+179749)	N/A
Chr9	56507219	56507382	Chr9.54737	Hmg20a(+86657),Lingo1(+177952)	N/A
Chr9	56547676	56547791	Chr9.54746	Hmg20a(+129090),Lingo1(+137519)	N/A
Chr9	56572723	56572874	Chr9.54764	Lingo1(+112454),Hmg20a(+154155)	N/A
Chr9	56573078	56573279	Chr9.54766	Lingo1(+112074),Hmg20a(+154535)	N/A
Chr9	56576904	56577007	Chr9.54768	Lingo1(+106297),Hmg20a(+158312)	N/A
Chr9	56580321	56580427	Chr9.54771	Lingo1(+104879),Hmg20a(+161739)	N/A
Chr9	56606148	56606313	Chr9.54782	Lingo1(+79022),Hmg20a(+187587)	N/A
Chr9	56630030	56630150	Chr9.54831	Lingo1(+55163),Hmg20a(+21446)	N/A
Chr9	56656775	56656964	Chr9.54859	Lingo1(+28383),Hmg20a(+238226)	N/A
Chr9	56682938	56683103	Chr9.54873	Lingo1(+2232),Hmg20a(+264377)	N/A
Chr9	56689601	56689777	Chr9.54877	Lingo1(+4436)	N/A
Chr9	56701077	56701200	Chr9.54892	Lingo1(-15866),Odf31(+150824)	N/A
Chr9	56727934	56728189	Chr9.54901	Lingo1(-42809),Odf31(+123901)	N/A
Chr9	56757872	56758043	Chr9.54933	Lingo1(-72705),Odf31(+94005)	N/A
Chr9	56767813	56767921	Chr9.54945	Lingo1(-82614),Odf31(+84096)	N/A
Chr9	56825644	56825878	Chr9.54979	Lingo1(-140507),Odf31(+26203)	N/A
Chr9	56860500	56860602	Chr9.55037	Cspg4(+4553)	N/A
Chr9	56871276	56871410	Chr9.55050	Cspg4(+6239),Snx33(+57028)	N/A
Chr9	56881676	56881782	Chr9.55068	Cspg4(+16625),Snx33(+46642)	N/A
Chr9	56938589	56938734	Chr9.55509	Snupn(-12216),Imp3(+1162)	N/A
Chr9	57003196	57003360	Chr9.55549	Sin3a(-73121),Ptpn9(+8310)	N/A
Chr9	57061245	57061460	Chr9.55595	Sin3a(-15046),Ptpn9(+66385)	N/A
Chr9	57075717	57076211	Chr9.55620	Sin3a(-435)	N/A
Chr9	57076320	57076426	Chr9.55633	Sin3a(-26)	N/A
Chr9	57279659	57279821	Chr9.55940	1700017b05rik(-17141),Ppcdc(+160374)	N/A
Chr9	57420480	57420752	Chr9.55965	1700017b05rik(-158017),Ppcdc(+19498)	N/A
Chr9	57420800	57420924	Chr9.55970	1700017b05rik(-158263),Ppcdc(+19252)	N/A
Chr9	57433464	57433623	Chr9.55984	1700017b05rik(-170960),Ppcdc(+6555)	N/A
Chr9	57469085	57469210	Chr9.56034	Scamp5(-1124)	N/A

Chr9	57505792	57506005	Chr9.56055	<i>Cox5a(-15333),Rpp25(+1797)</i>	N/A
Chr9	57561148	57561303	Chr9.56144	<i>Scamp2(+282)</i>	N/A
Chr9	57578250	57578408	Chr9.56162	<i>Ulk3(-11123),Scamp2(+17385)</i>	N/A
Chr9	57601388	57601527	Chr9.56252	<i>Cpx3(-4923),Ulk3(+12005)</i>	N/A
Chr9	57626478	57626641	Chr9.56327	<i>Lman1(-5786),Csk(+19093)</i>	N/A
Chr9	13827562	13827858	Chr9.5633	<i>Cep57(-603),Fam76b(-6)</i>	N/A
Chr9	57637729	57637850	Chr9.56387	<i>Lman1(-17016),Csk(+7863)</i>	N/A
Chr9	57640986	57641284	Chr9.56406	<i>Lman1(-20361),Csk(+4518)</i>	N/A
Chr9	57651003	57651140	Chr9.56418	<i>Csk(-5419),Cyp11a2(+32683)</i>	N/A
Chr9	57679986	57680168	Chr9.56422	<i>Csk(-22424),Cyp11a2(+15578)</i>	N/A
Chr9	13828291	13828522	Chr9.5645	<i>Cep57(-1300),Fam76b(+691)</i>	N/A
Chr9	57723312	57723470	Chr9.56610	<i>Edc3(+14851),Clk3(+42469)</i>	N/A
Chr9	57736699	57736867	Chr9.56624	<i>Edc3(+28243),Clk3(+29077)</i>	N/A
Chr9	57748556	57748672	Chr9.56654	<i>Clk3(+17240),Edc3(+40074)</i>	N/A
Chr9	57761954	57762060	Chr9.56712	<i>Clk3(+3863),Edc3(+53467)</i>	N/A
Chr9	57764116	57764265	Chr9.56713	<i>Clk3(+1669),Edc3(+55651)</i>	N/A
Chr9	57798811	57799134	Chr9.56758	<i>Clk3(-33113),Arid3b(+37735)</i>	N/A
Chr9	57803176	57803427	Chr9.56763	<i>Clk3(-37442),Arid3b(+33406)</i>	N/A
Chr9	57808844	57809093	Chr9.56775	<i>Clk3(-43109),Arid3b(+27739)</i>	N/A
Chr9	57812086	57812434	Chr9.56785	<i>Clk3(-46400),Arid3b(+24448)</i>	N/A
Chr9	57817582	57817777	Chr9.56796	<i>Clk3(-51820),Arid3b(+19028)</i>	N/A
Chr9	57818326	57818632	Chr9.56798	<i>Clk3(-52619),Arid3b(+18229)</i>	N/A
Chr9	57831411	57831777	Chr9.56807	<i>Clk3(-65734),Arid3b(+5114)</i>	N/A
Chr9	57910951	57911073	Chr9.56848	<i>Ubi7(+26)</i>	N/A
Chr9	57949966	57950094	Chr9.56912	<i>Cyp11a1(-64983),Sema7a(+9917)</i>	N/A
Chr9	57950555	57950812	Chr9.56913	<i>Cyp11a1(-64279),Sema7a(+10621)</i>	N/A
Chr9	57988294	57988303	Chr9.57001	<i>Cyp11a1(-26669),Sema7a(+48231)</i>	N/A
Chr9	13893064	13893300	Chr9.5705	<i>Sesn3(-383119),Fam76b(+65466)</i>	N/A
Chr9	58042527	58042658	Chr9.57114	<i>Cyp11a1(-27580),Cdc33(+76230)</i>	N/A
Chr9	58043625	58043728	Chr9.57116	<i>Cyp11a1(+28664),Cdc33(+75146)</i>	N/A
Chr9	58045066	58045196	Chr9.57119	<i>Cyp11a1(+30118),Cdc33(+73692)</i>	N/A
Chr9	13905552	13905787	Chr9.5712	<i>Sesn3(-370631),Fam76b(+77054)</i>	N/A
Chr9	58048945	58049069	Chr9.57124	<i>Cyp11a1(-33994),Cdc33(+69816)</i>	N/A
Chr9	58054115	58054260	Chr9.57129	<i>Cyp11a1(-39175),Cdc33(+64635)</i>	N/A
Chr9	58060667	58060772	Chr9.57138	<i>Cyp11a1(+45707),Cdc33(+58103)</i>	N/A
Chr9	58061131	58061234	Chr9.57145	<i>Cyp11a1(+46170),Cdc33(+57640)</i>	N/A
Chr9	58065589	58065777	Chr9.57155	<i>Cyp11a1(+50670),Cdc33(+53140)</i>	N/A
Chr9	58077437	58074870	Chr9.57178	<i>Cdc33(-44019),Cyp11a1(+59791)</i>	N/A
Chr9	13918984	13919108	Chr9.5718	<i>Sesn3(-357255),Fam76b(+91330)</i>	N/A
Chr9	58085113	58085283	Chr9.57198	<i>Cdc33(+33625),Cyp11a1(+70185)</i>	N/A
Chr9	13932172	13932352	Chr9.5722	<i>Sesn3(-344039),Fam76b(+104546)</i>	N/A
Chr9	58107861	58107865	Chr9.57231	<i>Cdc33(+11060),Cyp11a1(+92750)</i>	N/A
Chr9	58112493	58112623	Chr9.57238	<i>Cdc33(-62565),Cyp11a1(+97545)</i>	N/A
Chr9	58113001	58113139	Chr9.57241	<i>Cdc33(+5753),Cyp11a1(-98057)</i>	N/A
Chr9	58115723	58115831	Chr9.57248	<i>Cdc33(+3046),Cyp11a1(+100764)</i>	N/A
Chr9	58129124	58129289	Chr9.57265	<i>Straf6(-4868)</i>	N/A
Chr9	58131042	58131159	Chr9.57269	<i>Straf6(-2974)</i>	N/A
Chr9	58134105	58134211	Chr9.57273	<i>Straf6(+43)</i>	N/A
Chr9	13968898	13969005	Chr9.5741	<i>Sesn3(-307319),Fam76b(+141266)</i>	N/A
Chr9	13981663	13981920	Chr9.5748	<i>Sesn3(-294509),Fam76b(+154076)</i>	N/A
Chr9	58201963	58202124	Chr9.57488	<i>Islr2(-329)</i>	N/A
Chr9	13983020	13983179	Chr9.5750	<i>Sesn3(-293201),Fam76b(+155384)</i>	N/A
Chr9	13996933	13996970	Chr9.5752	<i>Sesn3(-276734),Fam76b(+171851)</i>	N/A
Chr9	13999939	14000116	Chr9.57556	<i>Sesn3(-276272),Fam76b(+172312)</i>	N/A
Chr9	14002349	14002601	Chr9.5758	<i>Sesn3(-273828),Fam76b(+174759)</i>	N/A
Chr9	58295866	58296124	Chr9.57643	<i>Lox1(-17217),Stom1(+42831)</i>	N/A
Chr9	14009649	14009749	Chr9.5765	<i>Sesn3(-266602),Fam76b(+181983)</i>	N/A
Chr9	58299418	58299675	Chr9.57651	<i>Lox1(+13715),Stom1(+46333)</i>	N/A
Chr9	58303730	58303876	Chr9.57654	<i>Lox1(+9490),Stom1(+50639)</i>	N/A
Chr9	58304052	58304191	Chr9.57659	<i>Lox1(+9090),Stom1(+50958)</i>	N/A
Chr9	58308595	58308742	Chr9.57664	<i>Lox1(+4543),Stom1(+55505)</i>	N/A
Chr9	58313208	58313317	Chr9.57678	<i>Lox1(-51)</i>	N/A
Chr9	14010180	14010419	Chr9.5768	<i>Sesn3(-266001),Fam76b(+182584)</i>	N/A
Chr9	58314769	58314917	Chr9.57681	<i>Lox1(-1631)</i>	N/A
Chr9	58315109	58315257	Chr9.57682	<i>Lox1(-1971)</i>	N/A
Chr9	58316901	58317033	Chr9.57684	<i>Lox1(-37555)</i>	N/A
Chr9	58438995	58439310	Chr9.57760	<i>Tbc1d21(-68784),Insyn1(-49450)</i>	N/A
Chr9	58442380	58442510	Chr9.57769	<i>Tbc1d21(-72076),Insyn1(-46158)</i>	N/A
Chr9	58491106	58491336	Chr9.57802	<i>Gm10657(-63578),Insyn1(+2618)</i>	N/A
Chr9	14031811	14032187	Chr9.5782	<i>Sesn3(-244297),Fam76b(+204288)</i>	N/A
Chr9	58513821	58514037	Chr9.57832	<i>Gm10657(-40820),Insyn1(+25376)</i>	N/A
Chr9	58536999	58537104	Chr9.57873	<i>Gm10657(-17747),Insyn1(+48449)</i>	N/A
Chr9	58555543	58555703	Chr9.57900	<i>Cd276(-491),Gm10657(+824)</i>	N/A
Chr9	58618220	58618373	Chr9.57959	<i>Nptn(+36005),Rec114(+12362)</i>	N/A
Chr9	58623434	58623602	Chr9.57997	<i>Nptn(+14226),Rec114(+118041)</i>	N/A
Chr9	58687618	58687836	Chr9.58077	<i>Rec114(+53832),Nptn(+105458)</i>	N/A
Chr9	14058620	14058753	Chr9.5813	<i>Sesn3(-217614),Fam76b(+230971)</i>	N/A
Chr9	58817868	58817979	Chr9.58148	<i>Rec114(-76365),Hcn4(-5588)</i>	N/A
Chr9	58821512	58821618	Chr9.58150	<i>Hcn4(-1947)</i>	N/A
Chr9	58822817	58822921	Chr9.58151	<i>Hcn4(-643)</i>	N/A
Chr9	58826533	58826672	Chr9.58165	<i>Hcn4(-3091),Neol1(+209638)</i>	N/A
Chr9	58829761	58829978	Chr9.58171	<i>Hcn4(+5359),Neol1(+206571)</i>	N/A
Chr9	58837224	58837324	Chr9.58186	<i>Hcn4(+13762),Neol1(+199167)</i>	N/A
Chr9	14059248	14059467	Chr9.5819	<i>Sesn3(-216943),Fam76b(+231642)</i>	N/A
Chr9	14089910	14090294	Chr9.5834	<i>Sesn3(-186199),Fam76b(+262386)</i>	N/A
Chr9	59035555	59035718	Chr9.58478	<i>Neol1(+804)</i>	N/A
Chr9	59037701	59037972	Chr9.58480	<i>Neol1(-1598)</i>	N/A
Chr9	14150053	14150202	Chr9.5853	<i>Sesn3(-126173),Fam76b(+322412)</i>	N/A
Chr9	59071615	59071827	Chr9.58530	<i>Neol1(-35280),Gm7589(+74489)</i>	N/A
Chr9	59072533	59072947	Chr9.58535	<i>Neol1(-36299),Gm7589(+73470)</i>	N/A
Chr9	59093851	59094106	Chr9.58558	<i>Neol1(-57538),Gm7589(+52231)</i>	N/A
Chr9	59094198	59094419	Chr9.58566	<i>Neol1(-57868),Gm7589(+51901)</i>	N/A
Chr9	59096964	59097127	Chr9.58573	<i>Neol1(-60605),Gm7589(+49164)</i>	N/A
Chr9	59097858	59098058	Chr9.58580	<i>Neol1(-61517),Gm7589(+48522)</i>	N/A
Chr9	59133160	59133419	Chr9.58597	<i>Neol1(-96849),Gm7589(+12920)</i>	N/A
Chr9	59134404	59134530	Chr9.58608	<i>Neol1(-98026),Gm7589(+11743)</i>	N/A
Chr9	59134639	59134863	Chr9.58612	<i>Neol1(-98310),Gm7589(+11459)</i>	N/A
Chr9	59163400	59163682	Chr9.58627	<i>Adpgk1(-28031),Gm7589(-17351)</i>	N/A
Chr9	59189351	59189670	Chr9.58642	<i>Adpgk1(-102111),Gm7589(-43251)</i>	N/A
Chr9	59197585	59197688	Chr9.58649	<i>Adpgk1(-93935),Gm7589(-51427)</i>	N/A
Chr9	59199771	59199944	Chr9.58655	<i>Adpgk1(-91714),Gm7589(-53648)</i>	N/A
Chr9	59246729	59246849	Chr9.58673	<i>Gm7589(-100579),Adpgk1(-44783)</i>	N/A
Chr9	59260042	59260218	Chr9.58682	<i>Gm7589(-113920),Adpgk1(-31442)</i>	N/A
Chr9	59485477	59485638	Chr9.58838	<i>Bbox4(-12050),Arlp1(+1056)</i>	N/A
Chr9	14193023	14193139	Chr9.5887	<i>Sesn3(-83220),Fam76b(+365365)</i>	N/A
Chr9	14199927	14200260	Chr9.5893	<i>Sesn3(-76207),Fam76b(+372378)</i>	N/A
Chr9	59584766	59584912	Chr9.58960	<i>Parp6(-32445),Cellf6(+6502)</i>	N/A
Chr9	14207081	14207233	Chr9.5904	<i>Sesn3(-69144),Fam76b(+379441)</i>	N/A
Chr9	14215339	14215741	Chr9.5912	<i>Sesn3(-60761),Fam76b(+307824)</i>	N/A
Chr9	14215921	14216022	Chr9.5920	<i>Sesn3(-60329),Fam76b(+388260)</i>	N/A
Chr9	59723944	59724082	Chr9.59209	<i>Gramd2(+16249),Serp8(+26636)</i>	N/A
Chr9	59724275	59724438	Chr9.59212	<i>Gramd2(+16593),Serp8(+26292)</i>	N/A
Chr9	14232551	14233356	Chr9.5926	<i>Sesn3(-42997),Fam76b(+405588)</i>	N/A
Chr9	14246460	14246758	Chr9.5942	<i>Sesn3(-29692),Fam76b(+418993)</i>	N/A
Chr9	59952814	59952922	Chr9.59481	<i>N2e3(-2751)</i>	N/A
Chr9	14261226	14261447	Chr9.5950	<i>Sesn3(-14964),Fam76b(+433621)</i>	N/A
Chr9	60024477	60024814	Chr9.59570	<i>N2e3(-74529),Thsd4(+486389)</i>	N/A
Chr9	60038840	60039023	Chr9.59586	<i>N2e3(-88815),Thsd4(+471203)</i>	N/A
Chr9	60076533	60076699	Chr9.59628	<i>N2e3(-126499),Thsd4(+434419)</i>	N/A
Chr9	60079528	60079731	Chr9.59633	<i>N2e3(-129513),Thsd4(+431405)</i>	N/A
Chr9	60082287	60082488	Chr9.59635	<i>N2e3(-132271),Thsd4(+428647)</i>	N/A
Chr9	60092110	60092277	Chr9.59643	<i>N2e3(-142077),Thsd4(+418841)</i>	N/A
Chr9	60092509	60092692	Chr9.59647	<i>N2e3(-142484),Thsd4(+418434)</i>	N/A
Chr9	14274705	14274882	Chr9.5965	<i>Sesn3(-1507)</i>	N/A
Chr9	60104007	60104109	Chr9.59659	<i>N2e3(-153941),Thsd4(+406977)</i>	N/A
Chr9	60106204	60106462	Chr9.59683	<i>N2e3(-156219),Thsd4(+404702)</i>	N/A
Chr9	14274956	14275127	Chr9.5968	<i>Sesn3(-1259)</i>	N/A
Chr9	60119380	60119614	Chr9.59680	<i>N2e3(-169380),Thsd4(+391538)</i>	N/A
Chr9	60139525	60139822	Chr9.59700	<i>N2e3(-189557),Thsd4(+371361)</i>	N/A
Chr9	60140913	60141121	Chr9.59710	<i>N2e3(-190900),Thsd4(+370018)</i>	N/A
Chr9	60141244	60141382	Chr9.59711	<i>N2e3(-191201),Thsd4(+369717)</i>	N/A
Chr9	60160981	60161233	Chr9.59718	<i>N2e3(-210990),Thsd4(+349926)</i>	N/A
Chr9	60172696	60172968	Chr9.59724	<i>N2e3(-222715),Thsd4(+338203)</i>	N/A
Chr9	60213328	60213502	Chr9.59769	<i>N2e3(-263298),Thsd4(+297620)</i>	N/A
Chr9	60224261	60224700	Chr9.59779	<i>N2e3(-274364),Thsd4(+286554)</i>	N/A
Chr9	14276056	14276281	Chr9.5978	<i>Sesn3(-132)</i>	N/A
Chr9	60228040	60228040	Chr9.59786	<i>N2e3(-277863),Thsd4(+283053)</i>	N/A
Chr9	60234212	60234567	Chr9.59803	<i>N2e3(-284273),Thsd4(+276645)</i>	N/A

Chr9	60237899	60237825	Chr9.59811	<i>Nr2e3(-287645),Thsd4(+273273)</i>	N/A
Chr9	60266442	60266654	Chr9.59828	<i>Nr2e3(-316431),Thsd4(+244487)</i>	N/A
Chr9	60267037	60267439	Chr9.59833	<i>Nr2e3(-317121),Thsd4(+243797)</i>	N/A
Chr9	60268899	60268999	Chr9.59859	<i>Nr2e3(-338632),Thsd4(+222069)</i>	N/A
Chr9	60293157	60293301	Chr9.59865	<i>Nr2e3(-343112),Thsd4(+217806)</i>	N/A
Chr9	60305307	60305434	Chr9.59873	<i>Nr2e3(-355254),Thsd4(+205664)</i>	N/A
Chr9	60308283	60308457	Chr9.59878	<i>Nr2e3(-358253),Thsd4(+202665)</i>	N/A
Chr9	60309775	60309996	Chr9.59880	<i>Nr2e3(-359769),Thsd4(+201149)</i>	N/A
Chr9	60311726	60311845	Chr9.59886	<i>Nr2e3(-361669),Thsd4(+199249)</i>	N/A
Chr9	14277320	14277362	Chr9.5989	<i>Sesn3(+1349),Endod1(+103601)</i>	N/A
Chr9	60373133	60373262	Chr9.59937	<i>Nr2e3(-423081),Thsd4(+137837)</i>	N/A
Chr9	60405835	60405938	Chr9.59975	<i>Nr2e3(-455770),Thsd4(+105148)</i>	N/A
Chr9	60411268	60411468	Chr9.59981	<i>Nr2e3(-461251),Thsd4(+99667)</i>	N/A
Chr9	60438073	60438220	Chr9.60001	<i>Nr2e3(-488030),Thsd4(+72888)</i>	N/A
Chr9	60440385	60440488	Chr9.60007	<i>Nr2e3(-490320),Thsd4(+70598)</i>	N/A
Chr9	60446044	60446301	Chr9.60013	<i>Nr2e3(-496056),Thsd4(+64862)</i>	N/A
Chr9	60454576	60454765	Chr9.60018	<i>Nr2e3(-504554),Thsd4(+56364)</i>	N/A
Chr9	14300292	14300423	Chr9.6005	<i>Sesn3(+24057),Endod1(+80884)</i>	N/A
Chr9	60491200	60491398	Chr9.60055	<i>Nr2e3(-541182),Thsd4(+19736)</i>	N/A
Chr9	60510718	60510967	Chr9.60073	<i>Thsd4(+192)</i>	N/A
Chr9	60511132	60511268	Chr9.60078	<i>Thsd4(+164)</i>	N/A
Chr9	60617186	60617345	Chr9.60167	<i>Thsd4(-106231),Lrrc49(+70892)</i>	N/A
Chr9	60649645	60649856	Chr9.60179	<i>Thsd4(-138716),Lrrc49(+38407)</i>	N/A
Chr9	60696541	60696706	Chr9.60216	<i>Larp6(-16365),Lrrc49(-8466)</i>	N/A
Chr9	60790306	60790550	Chr9.60321	<i>Uacal(+120)</i>	N/A
Chr9	60793335	60793457	Chr9.60323	<i>Uacal(+152)</i>	N/A
Chr9	60837060	60837268	Chr9.60344	<i>Gm9869(+1036),Uacal(+42616)</i>	N/A
Chr9	60837591	60837694	Chr9.60350	<i>Gm9869(+557)</i>	N/A
Chr9	60848807	60848947	Chr9.60375	<i>Gm9869(-10677),Gm10655(+523316)</i>	N/A
Chr9	14327116	14327230	Chr9.6042	<i>Sesn3(+50872),Endod1(+54069)</i>	N/A
Chr9	60886587	60886921	Chr9.60565	<i>Gm9869(-48604),Gm10655(+485389)</i>	N/A
Chr9	60887073	60887271	Chr9.60589	<i>Gm9869(-48972),Gm10655(+485021)</i>	N/A
Chr9	60902558	60902676	Chr9.60595	<i>Gm9869(-64417),Gm10655(+469576)</i>	N/A
Chr9	60926297	60926551	Chr9.60598	<i>Gm9869(-88224),Gm10655(+454769)</i>	N/A
Chr9	60927235	60927403	Chr9.60604	<i>Gm9869(-89119),Gm10655(+444874)</i>	N/A
Chr9	60948676	60948936	Chr9.60611	<i>Gm9869(-110606),Gm10655(+423387)</i>	N/A
Chr9	60948880	60949085	Chr9.60615	<i>Gm9869(-110833),Gm10655(+423160)</i>	N/A
Chr9	60949183	60949291	Chr9.60617	<i>Gm9869(-111037),Gm10655(+422956)</i>	N/A
Chr9	60982712	60982814	Chr9.60629	<i>Gm9869(-144563),Gm10655(+389430)</i>	N/A
Chr9	61014135	61014234	Chr9.60646	<i>Gm9869(-175985),Gm10655(+358008)</i>	N/A
Chr9	61016739	61016902	Chr9.60650	<i>Gm9869(-178621),Gm10655(+355372)</i>	N/A
Chr9	61031678	61031843	Chr9.60662	<i>Gm9869(-193561),Gm10655(+340432)</i>	N/A
Chr9	61039472	61039575	Chr9.60673	<i>Gm9869(-201246),Gm10655(+320669)</i>	N/A
Chr9	61056707	61056808	Chr9.60685	<i>Gm9869(-218558),Gm10655(+315435)</i>	N/A
Chr9	61075974	61076115	Chr9.60708	<i>Gm9869(-237845),Gm10655(+296148)</i>	N/A
Chr9	61081632	61081916	Chr9.60715	<i>Gm9869(-243574),Gm10655(+290419)</i>	N/A
Chr9	61092882	61093203	Chr9.60726	<i>Gm9869(-264843),Gm10655(+279150)</i>	N/A
Chr9	61102805	61103101	Chr9.60737	<i>Gm9869(-264753),Gm10655(+260240)</i>	N/A
Chr9	61111369	61111485	Chr9.60747	<i>Gm9869(-273227),Gm10655(+260766)</i>	N/A
Chr9	61120979	61121214	Chr9.60767	<i>Gm9869(-282897),Gm10655(+251096)</i>	N/A
Chr9	61121346	61121478	Chr9.60768	<i>Gm9869(-283212),Gm10655(+250781)</i>	N/A
Chr9	61130454	61130563	Chr9.60771	<i>Gm9869(-292309),Gm10655(+241684)</i>	N/A
Chr9	61135484	61135597	Chr9.60773	<i>Gm9869(-291741),Gm10655(+236652)</i>	N/A
Chr9	61152209	61152314	Chr9.60793	<i>Gm9869(-314062),Gm10655(+219931)</i>	N/A
Chr9	61164220	61164434	Chr9.60818	<i>Gm9869(-326127),Gm10655(+207866)</i>	N/A
Chr9	61165010	61165346	Chr9.60825	<i>Gm9869(-326978),Gm10655(+207015)</i>	N/A
Chr9	61199420	61199572	Chr9.60839	<i>Gm9869(-361296),Gm10655(+172697)</i>	N/A
Chr9	61227723	61228211	Chr9.60868	<i>Gm9869(-389767),Gm10655(+144226)</i>	N/A
Chr9	61251488	61251815	Chr9.60874	<i>Gm9869(-413452),Gm10655(+120541)</i>	N/A
Chr9	61259621	61259679	Chr9.60882	<i>Gm9869(-421400),Gm10655(+112593)</i>	N/A
Chr9	61277830	61278278	Chr9.60896	<i>Gm9869(-439854),Gm10655(+94139)</i>	N/A
Chr9	61293468	61293638	Chr9.60908	<i>Gm9869(-455353),Gm10655(+78640)</i>	N/A
Chr9	61297489	61297689	Chr9.60912	<i>Gm9869(-459386),Gm10655(+74607)</i>	N/A
Chr9	61322002	61322136	Chr9.60922	<i>Gm9869(-483869),Gm10655(+50124)</i>	N/A
Chr9	61324596	61324761	Chr9.60929	<i>Gm9869(-486478),Gm10655(+47515)</i>	N/A
Chr9	61326171	61326388	Chr9.60937	<i>Gm9869(-488080),Gm10655(+45913)</i>	N/A
Chr9	61339363	61339568	Chr9.60949	<i>Gm9869(-501266),Gm10655(+32727)</i>	N/A
Chr9	61351147	61351331	Chr9.60963	<i>Gm9869(-513039),Gm10655(+20954)</i>	N/A
Chr9	61361360	61361568	Chr9.60972	<i>Gm9869(-523264),Gm10655(+10729)</i>	N/A
Chr9	61368715	61368881	Chr9.60983	<i>Th3(-4587),Gm10655(+3395)</i>	N/A
Chr9	61370283	61370558	Chr9.60986	<i>Th3(-2965),Gm10655(+173)</i>	N/A
Chr9	61370776	61370918	Chr9.60992	<i>Th3(-2538),Gm10655(+1346)</i>	N/A
Chr9	61371781	61372015	Chr9.60998	<i>Th3(-1487),Gm10655(+295)</i>	N/A
Chr9	61372094	61372443	Chr9.60999	<i>Th3(-1116),Gm10655(-76)</i>	N/A
Chr9	61373241	61373378	Chr9.61008	<i>Gm10655(+1117),Th3(-75)</i>	N/A
Chr9	61373410	61373538	Chr9.61009	<i>Gm10655(+1280),Th3(-88)</i>	N/A
Chr9	61375171	61375278	Chr9.61016	<i>Gm10655(-3032),Th3(-1840)</i>	N/A
Chr9	61376381	61376680	Chr9.61028	<i>Gm10655(-4338),Th3(+3146)</i>	N/A
Chr9	61377153	61377317	Chr9.61032	<i>Th3(+3850),Rplp1(+537303)</i>	N/A
Chr9	61377781	61378135	Chr9.61040	<i>Th3(+4573),Rplp1(+536580)</i>	N/A
Chr9	61378431	61378550	Chr9.61047	<i>Th3(+5106),Rplp1(+536047)</i>	N/A
Chr9	61381180	61381387	Chr9.61058	<i>Th3(+7899),Rplp1(+533254)</i>	N/A
Chr9	61385153	61385356	Chr9.61059	<i>Th3(+11870),Rplp1(+529283)</i>	N/A
Chr9	61385406	61385625	Chr9.61060	<i>Th3(+12131),Rplp1(+529022)</i>	N/A
Chr9	61386212	61386347	Chr9.61064	<i>Th3(+12895),Rplp1(+528258)</i>	N/A
Chr9	61389258	61389374	Chr9.61076	<i>Th3(+15931),Rplp1(+525222)</i>	N/A
Chr9	61394966	61396759	Chr9.61088	<i>Th3(+23238),Rplp1(+517915)</i>	N/A
Chr9	61404079	61404352	Chr9.61110	<i>Th3(+30831),Rplp1(+510322)</i>	N/A
Chr9	61405298	61405498	Chr9.61114	<i>Th3(+32013),Rplp1(+509140)</i>	N/A
Chr9	61449406	61449514	Chr9.61232	<i>Th3(+76075),Rplp1(+465078)</i>	N/A
Chr9	61457464	61457578	Chr9.61236	<i>Th3(+84136),Rplp1(+457017)</i>	N/A
Chr9	61469542	61469758	Chr9.61242	<i>Th3(+95265),Rplp1(+445888)</i>	N/A
Chr9	61471853	61472095	Chr9.61245	<i>Th3(+98589),Rplp1(+442554)</i>	N/A
Chr9	61509873	61510035	Chr9.61268	<i>Th3(+136569),Rplp1(+404584)</i>	N/A
Chr9	61510158	61510339	Chr9.61269	<i>Th3(+136864),Rplp1(+404289)</i>	N/A
Chr9	61528469	61528742	Chr9.61279	<i>Th3(+155221),Rplp1(+385932)</i>	N/A
Chr9	61530338	61530626	Chr9.61283	<i>Th3(+157099),Rplp1(+384054)</i>	N/A
Chr9	61562701	61562828	Chr9.61317	<i>Th3(+189379),Rplp1(+351774)</i>	N/A
Chr9	61562983	61563131	Chr9.61321	<i>Th3(+189672),Rplp1(+351481)</i>	N/A
Chr9	61563167	61563278	Chr9.61324	<i>Th3(+189838),Rplp1(+351315)</i>	N/A
Chr9	61573817	61574183	Chr9.61330	<i>Th3(+200615),Rplp1(+340538)</i>	N/A
Chr9	61583421	61583603	Chr9.61345	<i>Th3(+210127),Rplp1(+331026)</i>	N/A
Chr9	61583668	61583882	Chr9.61347	<i>Th3(+210390),Rplp1(+330763)</i>	N/A
Chr9	61589407	61589560	Chr9.61353	<i>Th3(+215099),Rplp1(+326054)</i>	N/A
Chr9	61596686	61596897	Chr9.61365	<i>Th3(+223407),Rplp1(+317746)</i>	N/A
Chr9	61610009	61610143	Chr9.61378	<i>Th3(+236691),Rplp1(+304462)</i>	N/A
Chr9	61618416	61618621	Chr9.61385	<i>Th3(+245134),Rplp1(+296019)</i>	N/A
Chr9	61619783	61619966	Chr9.61388	<i>Th3(+246490),Rplp1(+294663)</i>	N/A
Chr9	61645809	61646342	Chr9.61426	<i>Rplp1(+268462),Th3(-272691)</i>	N/A
Chr9	61655532	61655698	Chr9.61432	<i>Rplp1(+258923),Th3(-282239)</i>	N/A
Chr9	61666246	61666346	Chr9.61443	<i>Rplp1(+248242),Th3(+292911)</i>	N/A
Chr9	61669711	61669873	Chr9.61444	<i>Rplp1(+244746),Th3(+296407)</i>	N/A
Chr9	61673676	61673874	Chr9.61450	<i>Rplp1(+240763),Th3(+300390)</i>	N/A
Chr9	61677086	61677324	Chr9.61456	<i>Rplp1(+237333),Th3(+303620)</i>	N/A
Chr9	61695590	61695698	Chr9.61474	<i>Rplp1(+218895),Th3(-322258)</i>	N/A
Chr9	61702963	61702815	Chr9.61479	<i>Rplp1(+211799),Th3(-329354)</i>	N/A
Chr9	61714169	61714824	Chr9.61487	<i>Rplp1(+200041),Th3(+341112)</i>	N/A
Chr9	61720868	61721068	Chr9.61497	<i>Rplp1(+193570),Th3(+347583)</i>	N/A
Chr9	61756263	61756658	Chr9.61523	<i>Rplp1(+158077),Th3(+383076)</i>	N/A
Chr9	61756882	61757019	Chr9.61528	<i>Rplp1(+157587),Th3(+383566)</i>	N/A
Chr9	61756445	61756616	Chr9.61535	<i>Rplp1(+149007),Th3(-392146)</i>	N/A
Chr9	61789188	61789291	Chr9.61553	<i>Rplp1(+125298),Th3(+415855)</i>	N/A
Chr9	61789550	61789663	Chr9.61558	<i>Rplp1(+124931),Th3(+416222)</i>	N/A
Chr9	61791590	61791774	Chr9.61560	<i>Rplp1(+122856),Th3(+418297)</i>	N/A
Chr9	61808622	61808822	Chr9.61572	<i>Rplp1(+105814),Th3(+435339)</i>	N/A
Chr9	61841570	61841824	Chr9.61600	<i>Rplp1(+72841),Th3(-488312)</i>	N/A
Chr9	61855821	61856072	Chr9.61605	<i>Rplp1(+58591),Th3(-482562)</i>	N/A
Chr9	61867778	61867896	Chr9.61613	<i>Rplp1(+46701),Th3(+494452)</i>	N/A
Chr9	61872429	61872706	Chr9.61619	<i>Rplp1(+41970),Th3(+499183)</i>	N/A
Chr9	61904308	61904473	Chr9.61650	<i>Rplp1(+10147),Th3(+531006)</i>	N/A
Chr9	62081701	62081913	Chr9.61862	<i>Glc(-11201),Spesp1(+200372)</i>	N/A
Chr9	62122482	62122635	Chr9.61884	<i>Glc(-51953),Spesp1(+159625)</i>	N/A
Chr9	62137318	62137476	Chr9.61915	<i>Glc(-66791),Spesp1(+144782)</i>	N/A
Chr9	62137660	62137829	Chr9.61920	<i>Glc(-67139),Spesp1(+144434)</i>	N/A
Chr9	62138020	62138132	Chr9.61926	<i>Glc(-67470),Spesp1(+144103)</i>	N/A
Chr9	62142958	62143104	Chr9.61932	<i>Glc(-72425),Spesp1(+139148)</i>	N/A
Chr9	62180962	62181478	Chr9.61953	<i>Glc(-10624),Spesp1(+100949)</i>	N/A
Chr9	62216645	62216865	Chr9.61969	<i>Glc(-146149),Spesp1(+65424)</i>	N/A

Chr9	62222517	62222678	Chr9.61973	<i>Glec(-151992),Spesp1(+59581)</i>	N/A
Chr9	62341085	62341576	Chr9.62005	<i>Anp32a(+2)</i>	N/A
Chr9	62341850	62341992	Chr9.62011	<i>Anp32a(+592)</i>	N/A
Chr9	62342096	62342258	Chr9.62012	<i>Anp32a(+949)</i>	N/A
Chr9	62342370	62342521	Chr9.62014	<i>Anp32a(+1117),Coro2b(+194598)</i>	N/A
Chr9	62342742	62342904	Chr9.62020	<i>Anp32a(+1494),Coro2b(+194221)</i>	N/A
Chr9	62343178	62343281	Chr9.62026	<i>Anp32a(+1901),Coro2b(+193814)</i>	N/A
Chr9	62345231	62345343	Chr9.62033	<i>Anp32a(+3958),Coro2b(+191757)</i>	N/A
Chr9	62365049	62365216	Chr9.62036	<i>Anp32a(+23804),Coro2b(+171911)</i>	N/A
Chr9	62367728	62367848	Chr9.62040	<i>Anp32a(+26459),Coro2b(+168268)</i>	N/A
Chr9	62416569	62416692	Chr9.62080	<i>Anp32a(+75302),Coro2b(+120413)</i>	N/A
Chr9	62438795	62439025	Chr9.62138	<i>Anp32a(+97581),Coro2b(+98134)</i>	N/A
Chr9	62481085	62481214	Chr9.62150	<i>Coro2b(+55894),Anp32a(+139821)</i>	N/A
Chr9	62494199	62484329	Chr9.62152	<i>Coro2b(+52780),Anp32a(+142939)</i>	N/A
Chr9	62508871	62509031	Chr9.62165	<i>Coro2b(+28093),Anp32a(+167622)</i>	N/A
Chr9	62523075	62523175	Chr9.62174	<i>Coro2b(+13919),Anp32a(+181796)</i>	N/A
Chr9	62526487	62526600	Chr9.62177	<i>Coro2b(+10500),Anp32a(+185215)</i>	N/A
Chr9	62531888	62532012	Chr9.62181	<i>Coro2b(+5094),Anp32a(+190621)</i>	N/A
Chr9	62591267	62591471	Chr9.62204	<i>Igfa1(-86457),Coro2b(-54329)</i>	N/A
Chr9	62616898	62617027	Chr9.62216	<i>Coro2b(-79919),Igfa1(-60863)</i>	N/A
Chr9	62631091	62631249	Chr9.62223	<i>Coro2b(-94126),Igfa1(-46568)</i>	N/A
Chr9	62646199	62646346	Chr9.62236	<i>Coro2b(-109229),Igfa1(-31553)</i>	N/A
Chr9	62679681	62679822	Chr9.62247	<i>Igfa1(+1926),Fem1b(+131896)</i>	N/A
Chr9	62694308	62694446	Chr9.62262	<i>Igfa1(+16551),Fem1b(+117271)</i>	N/A
Chr9	62725338	62725506	Chr9.62292	<i>Igfa1(+47596),Fem1b(+86226)</i>	N/A
Chr9	14500354	14500365	Chr9.6230	<i>Cwc15(-4077),Kdm4d(+272)</i>	N/A
Chr9	62811573	62811672	Chr9.62526	<i>Fem1b(+29)</i>	N/A
Chr9	62879107	62879217	Chr9.62596	<i>Calml4(+21058),Pias1(+101717)</i>	N/A
Chr9	62925363	62925490	Chr9.62679	<i>Pias1(+55452),Calml4(+67323)</i>	N/A
Chr9	62933015	62933275	Chr9.62682	<i>Pias1(+47734),Calml4(+75041)</i>	N/A
Chr9	62975887	62976067	Chr9.62704	<i>Pias1(+4902),Calml4(+117873)</i>	N/A
Chr9	62974469	62975995	Chr9.62719	<i>Pias1(+1147),Calml4(+121628)</i>	N/A
Chr9	62980131	62980322	Chr9.62721	<i>Pias1(+652)</i>	N/A
Chr9	63066484	63066623	Chr9.62759	<i>Pias1(-85675),Skor1(+80426)</i>	N/A
Chr9	63074914	63075041	Chr9.62766	<i>Pias1(-94099),Skor1(+72002)</i>	N/A
Chr9	63084252	63084421	Chr9.62769	<i>Pias1(-103458),Skor1(+62643)</i>	N/A
Chr9	63091310	63091731	Chr9.62774	<i>Pias1(-110642),Skor1(+55459)</i>	N/A
Chr9	63091882	63092007	Chr9.62778	<i>Pias1(-111066),Skor1(+55035)</i>	N/A
Chr9	63109328	63109495	Chr9.62781	<i>Pias1(-128533),Skor1(+37568)</i>	N/A
Chr9	63131849	63132038	Chr9.62787	<i>Pias1(-151065),Skor1(+15036)</i>	N/A
Chr9	63181921	63182738	Chr9.62884	<i>Skor1(-35350),Map2k5(+195572)</i>	N/A
Chr9	63183159	63183486	Chr9.62891	<i>Skor1(-36343),Map2k5(+194579)</i>	N/A
Chr9	63186863	63187335	Chr9.62900	<i>Skor1(-40119),Map2k5(+190803)</i>	N/A
Chr9	63195457	63195614	Chr9.62926	<i>Skor1(-48556),Map2k5(+182366)</i>	N/A
Chr9	63197513	63197782	Chr9.62939	<i>Skor1(-50668),Map2k5(+180254)</i>	N/A
Chr9	63198077	63198851	Chr9.62941	<i>Skor1(-51484),Map2k5(+179438)</i>	N/A
Chr9	63229216	63229472	Chr9.63032	<i>Skor1(-82364),Map2k5(+148558)</i>	N/A
Chr9	63229911	63230102	Chr9.63041	<i>Skor1(-83027),Map2k5(+147850)</i>	N/A
Chr9	63246486	63246597	Chr9.63113	<i>Skor1(-99562),Map2k5(+131360)</i>	N/A
Chr9	63250908	63251109	Chr9.63115	<i>Skor1(-104029),Map2k5(+126893)</i>	N/A
Chr9	63269883	63270091	Chr9.63155	<i>Skor1(-123007),Map2k5(+107915)</i>	N/A
Chr9	63270822	63271018	Chr9.63160	<i>Skor1(-123940),Map2k5(+106982)</i>	N/A
Chr9	63295650	63295758	Chr9.63199	<i>Skor1(-148724),Map2k5(+62198)</i>	N/A
Chr9	63296993	63297137	Chr9.63207	<i>Skor1(-150085),Map2k5(+60837)</i>	N/A
Chr9	63305343	63305580	Chr9.63217	<i>Skor1(-158482),Map2k5(+72440)</i>	N/A
Chr9	63309001	63309241	Chr9.63226	<i>Skor1(-162141),Map2k5(+68781)</i>	N/A
Chr9	63313133	63313259	Chr9.63235	<i>Skor1(-166216),Map2k5(+64706)</i>	N/A
Chr9	63323625	63323749	Chr9.63269	<i>Skor1(-176707),Map2k5(+54215)</i>	N/A
Chr9	63338555	63338767	Chr9.63294	<i>Skor1(-191681),Map2k5(+39241)</i>	N/A
Chr9	63338974	63339427	Chr9.63300	<i>Skor1(-192221),Map2k5(+38701)</i>	N/A
Chr9	63407251	63407368	Chr9.63429	<i>2300009aOsr1(-8066),Iqch(+195138)</i>	N/A
Chr9	63513001	63513114	Chr9.63635	<i>2300009aOsr1(-113814),Iqch(+89390)</i>	N/A
Chr9	63527646	63527978	Chr9.63690	<i>2300009aOsr1(-128568),Iqch(+74636)</i>	N/A
Chr9	63535063	63535327	Chr9.63705	<i>2300009aOsr1(-135951),Iqch(+67253)</i>	N/A
Chr9	63569515	63569834	Chr9.63744	<i>2300009aOsr1(-169331),Iqch(+38873)</i>	N/A
Chr9	63568724	63569105	Chr9.63746	<i>2300009aOsr1(-169671),Iqch(+33533)</i>	N/A
Chr9	14597109	14597229	Chr9.6379	<i>Amdt1(+17831),Cwc15(+96552)</i>	N/A
Chr9	63650818	63650966	Chr9.63892	<i>Aagab(+48237),Smad3(+107102)</i>	N/A
Chr9	63659080	63659227	Chr9.63928	<i>Aagab(+56499),Smad3(+98840)</i>	N/A
Chr9	14614725	14614824	Chr9.6393	<i>Amdt1(-175)</i>	N/A
Chr9	63672739	63673715	Chr9.63939	<i>Aagab(+64652),Smad3(+90687)</i>	N/A
Chr9	63673177	63673387	Chr9.63954	<i>Aagab(+70627),Smad3(+84712)</i>	N/A
Chr9	63701596	63701750	Chr9.63974	<i>Smad3(+56321),Aagab(+99018)</i>	N/A
Chr9	63702877	63702985	Chr9.63984	<i>Smad3(+55063),Aagab(+100276)</i>	N/A
Chr9	63706492	63706596	Chr9.63987	<i>Smad3(+51450),Aagab(+103899)</i>	N/A
Chr9	63716298	63716453	Chr9.63991	<i>Smad3(+41618),Aagab(+113721)</i>	N/A
Chr9	63719082	63719248	Chr9.63995	<i>Smad3(+38829),Aagab(+116510)</i>	N/A
Chr9	63726598	63726707	Chr9.64001	<i>Smad3(+31341),Aagab(+123998)</i>	N/A
Chr9	63736277	63736377	Chr9.64017	<i>Smad3(+21667),Aagab(+133672)</i>	N/A
Chr9	63746275	63746450	Chr9.64031	<i>Smad3(+11631),Aagab(+143708)</i>	N/A
Chr9	63748845	63748999	Chr9.64038	<i>Smad3(+90727),Aagab(+146267)</i>	N/A
Chr9	14640754	14640867	Chr9.6405	<i>Amdt1(-28511),Pwll4(+98922)</i>	N/A
Chr9	63755187	63755311	Chr9.64054	<i>Smad3(+2745),Aagab(+152594)</i>	N/A
Chr9	63756235	63756372	Chr9.64056	<i>Smad3(+1690),Aagab(+153649)</i>	N/A
Chr9	63756908	63757039	Chr9.64064	<i>Smad3(+1020),Aagab(+154319)</i>	N/A
Chr9	63780544	63780738	Chr9.64088	<i>Smad3(-22646),Smad6(+241419)</i>	N/A
Chr9	63789614	63789725	Chr9.64101	<i>Smad3(-28676),Smad6(+235389)</i>	N/A
Chr9	14642505	14642604	Chr9.6411	<i>Amdt1(-27555),Pwll4(+98178)</i>	N/A
Chr9	63823534	63823645	Chr9.64113	<i>Smad3(-65596),Smad6(+198469)</i>	N/A
Chr9	63823857	63823988	Chr9.64118	<i>Smad3(-65929),Smad6(+198136)</i>	N/A
Chr9	63856309	63856579	Chr9.64137	<i>Smad3(-98450),Smad6(+165615)</i>	N/A
Chr9	63876466	63876921	Chr9.64151	<i>Smad3(-118700),Smad6(+145365)</i>	N/A
Chr9	63884446	63884679	Chr9.64158	<i>Smad3(-125669),Smad6(+135498)</i>	N/A
Chr9	63889603	63889786	Chr9.64162	<i>Smad3(-131701),Smad6(+123264)</i>	N/A
Chr9	63896477	63896669	Chr9.64167	<i>Smad3(-138579),Smad6(+125486)</i>	N/A
Chr9	63919042	63919347	Chr9.64175	<i>Smad3(-161201),Smad6(+102864)</i>	N/A
Chr9	63919398	63919539	Chr9.64183	<i>Smad3(-161478),Smad6(+102590)</i>	N/A
Chr9	63932857	63933003	Chr9.64184	<i>Smad3(-174938),Smad6(+89129)</i>	N/A
Chr9	63942419	63942632	Chr9.64192	<i>Smad3(-184532),Smad6(+79533)</i>	N/A
Chr9	63958271	63958440	Chr9.64212	<i>Smad3(-200362),Smad6(+63703)</i>	N/A
Chr9	63960046	63960201	Chr9.64217	<i>Smad3(-202130),Smad6(+61935)</i>	N/A
Chr9	63965731	63965979	Chr9.64233	<i>Smad3(-207861),Smad6(+56204)</i>	N/A
Chr9	63968613	63968907	Chr9.64238	<i>Smad3(-210766),Smad6(+53299)</i>	N/A
Chr9	63969599	63969698	Chr9.64242	<i>Smad3(-211655),Smad6(+52410)</i>	N/A
Chr9	63970478	63970670	Chr9.64245	<i>Smad3(-212580),Smad6(+51485)</i>	N/A
Chr9	63970989	63971226	Chr9.64248	<i>Smad3(-213114),Smad6(+50951)</i>	N/A
Chr9	63973841	63974138	Chr9.64255	<i>Smad3(-215996),Smad6(+48069)</i>	N/A
Chr9	63974249	63974505	Chr9.64259	<i>Smad3(-216383),Smad6(+47882)</i>	N/A
Chr9	63980268	63980495	Chr9.64261	<i>Smad3(-222463),Smad6(+41602)</i>	N/A
Chr9	63980719	63980881	Chr9.64265	<i>Smad3(-222808),Smad6(+41259)</i>	N/A
Chr9	63983229	63983335	Chr9.64266	<i>Smad3(-225298),Smad6(+38777)</i>	N/A
Chr9	63997941	63998089	Chr9.64275	<i>Smad3(-240021),Smad6(+24044)</i>	N/A
Chr9	63998235	63998419	Chr9.64277	<i>Smad3(-240333),Smad6(+23732)</i>	N/A
Chr9	14662955	14663080	Chr9.6428	<i>Amdt1(-48018),Pwll4(+77715)</i>	N/A
Chr9	64000514	64000654	Chr9.64282	<i>Smad3(-242590),Smad6(+21475)</i>	N/A
Chr9	64008056	64008330	Chr9.64286	<i>Smad3(-250199),Smad6(+13866)</i>	N/A
Chr9	64017092	64017243	Chr9.64305	<i>Smad3(-259174),Smad6(+4891)</i>	N/A
Chr9	64017471	64017594	Chr9.64309	<i>Smad3(-259539),Smad6(+4526)</i>	N/A
Chr9	64018092	64018191	Chr9.64310	<i>Smad3(-260148),Smad6(+3917)</i>	N/A
Chr9	64021265	64021529	Chr9.64324	<i>Smad6(+662)</i>	N/A
Chr9	64021582	64021829	Chr9.64328	<i>Smad6(+363)</i>	N/A
Chr9	64021987	64022185	Chr9.64330	<i>Smad6(-27)</i>	N/A
Chr9	64045281	64045415	Chr9.64337	<i>Lct1(-71799),Smad6(-23289)</i>	N/A
Chr9	64066942	64067154	Chr9.64345	<i>Lct1(-50099),Smad6(-44989)</i>	N/A
Chr9	64069238	64069371	Chr9.64347	<i>Lct1(-47842),Smad6(-47246)</i>	N/A
Chr9	64086622	64086747	Chr9.64349	<i>Smad6(-64626),Lct1(-30463)</i>	N/A
Chr9	64089968	64089314	Chr9.64351	<i>Smad6(-67082),Lct1(-28006)</i>	N/A
Chr9	64105376	64105533	Chr9.64360	<i>Smad6(-83396),Lct1(-11692)</i>	N/A
Chr9	64173340	64173440	Chr9.64511	<i>Zwlich(-286),Rpl4(+3)</i>	N/A
Chr9	64175420	64175523	Chr9.64522	<i>Snappc5(-3825),Zwlich(-2368)</i>	N/A
Chr9	64176658	64176758	Chr9.64530	<i>Zwlich(-3604),Snappc5(-2589)</i>	N/A
Chr9	64186162	64186273	Chr9.64535	<i>Uchl4(-4893),Snappc5(+6921)</i>	N/A
Chr9	64207770	64207873	Chr9.64587	<i>Uchl4(-27379),Snappc5(+28525)</i>	N/A
Chr9	64219540	64219648	Chr9.64597	<i>Uchl4(-15607),Snappc5(+40297)</i>	N/A
Chr9	64228903	64229244	Chr9.64601	<i>Uchl4(-6127),Snappc5(+49777)</i>	N/A
Chr9	64231366	64231527	Chr9.64606	<i>Uchl4(-3764)</i>	N/A
Chr9	64232794	64232894	Chr9.64613	<i>Uchl4(-2357)</i>	N/A
Chr9	64233792	64233900	Chr9.64615	<i>Uchl4(-3355)</i>	N/A

Chr9	64339188	64339349	Chr9.64804	Dis3l(+1988),Tpin(+57662)	N/A
Chr9	64365799	64366012	Chr9.64804	Dis3l(-24649),Megf11(-19720)	N/A
Chr9	64447451	64447576	Chr9.64908	Megf11(+61888),Rab11a(+290244)	N/A
Chr9	64453372	64453831	Chr9.64917	Megf11(+65153),Rab11a(+283979)	N/A
Chr9	64455838	64456127	Chr9.64928	Megf11(+70357),Rab11a(+281775)	N/A
Chr9	64458573	64458840	Chr9.64932	Megf11(+73081),Rab11a(+279051)	N/A
Chr9	64466193	64466294	Chr9.64944	Megf11(+80618),Rab11a(+271514)	N/A
Chr9	64475772	64475975	Chr9.64961	Megf11(+90248),Rab11a(+261884)	N/A
Chr9	64543339	64543479	Chr9.65071	Megf11(+157753),Rab11a(+194349)	N/A
Chr9	64568666	64568759	Chr9.65100	Rab11a(+169095),Megf11(+183037)	N/A
Chr9	64604421	64604578	Chr9.65164	Rab11a(+133258),Megf11(+218874)	N/A
Chr9	64606026	64606279	Chr9.65171	Rab11a(+131605),Megf11(+220527)	N/A
Chr9	64632457	64632590	Chr9.65208	Rab11a(+105234),Megf11(+246898)	N/A
Chr9	64687283	64687516	Chr9.65319	Rab11a(+50358),Megf11(+301774)	N/A
Chr9	64687803	64687909	Chr9.65327	Rab11a(+49902),Megf11(+302230)	N/A
Chr9	64691218	64691398	Chr9.65334	Rab11a(+46450),Megf11(+305682)	N/A
Chr9	64736242	64736460	Chr9.65401	Rab11a(+1407),Megf11(+350725)	N/A
Chr9	64736644	64736829	Chr9.65405	Rab11a(+1021),Megf11(+351111)	N/A
Chr9	64774662	64774896	Chr9.65429	Rab11a(-37021),Denn4a(-36561)	N/A
Chr9	64793196	64793295	Chr9.65452	Rab11a(-55486),Denn4a(-18094)	N/A
Chr9	64805003	64805012	Chr9.65460	Rab11a(-68200),Denn4a(-5382)	N/A
Chr9	65083803	65083984	Chr9.65564	Igdc4(-17592),Dpp8(+51436)	N/A
Chr9	65084277	65084518	Chr9.65566	Igdc4(-17088),Dpp8(+51940)	N/A
Chr9	65102494	65102673	Chr9.65570	Igdc3(-38570),Igdc4(+1098)	N/A
Chr9	65109575	65109748	Chr9.65578	Igdc3(-31493),Igdc4(+8175)	N/A
Chr9	65146069	65146288	Chr9.66041	Parp16(-68521),Igdc3(+50158)	N/A
Chr9	65153393	65153583	Chr9.66051	Parp16(-61202),Igdc3(+12334)	N/A
Chr9	65154840	65155051	Chr9.66058	Parp16(-59744),Igdc3(+13792)	N/A
Chr9	65156671	65156786	Chr9.66060	Parp16(-57961),Igdc3(+15575)	N/A
Chr9	65162670	65162833	Chr9.66063	Parp16(-51938),Igdc3(+21598)	N/A
Chr9	65168418	65168705	Chr9.66066	Parp16(-48127),Igdc3(+25409)	N/A
Chr9	65169091	65169335	Chr9.66071	Parp16(-45477),Igdc3(+28058)	N/A
Chr9	65169899	65170051	Chr9.66075	Parp16(-44715),Igdc3(+28821)	N/A
Chr9	65175243	65175348	Chr9.66081	Parp16(-39394),Igdc3(+34142)	N/A
Chr9	65175938	65176080	Chr9.66085	Parp16(-38681),Igdc3(+34855)	N/A
Chr9	65176271	65176411	Chr9.66089	Parp16(-38349),Igdc3(+35187)	N/A
Chr9	65178960	65179186	Chr9.66114	Parp16(-35517),Igdc3(+37918)	N/A
Chr9	65180692	65180796	Chr9.66128	Parp16(-33946),Igdc3(+39590)	N/A
Chr9	65180857	65180981	Chr9.66130	Parp16(-33771),Igdc3(+39765)	N/A
Chr9	65185714	65185824	Chr9.66191	Parp16(-28921),Igdc3(+44615)	N/A
Chr9	65191944	65192164	Chr9.66198	Parp16(-22636),Igdc3(+50900)	N/A
Chr9	65192214	65192351	Chr9.66201	Parp16(-22407),Igdc3(+51129)	N/A
Chr9	65238243	65238550	Chr9.66238	Ctip(-26783),Parp16(+23707)	N/A
Chr9	65243350	65243481	Chr9.66253	Ctip(-21764),Parp16(+28726)	N/A
Chr9	65244179	65244296	Chr9.66258	Ctip(-20942),Parp16(+29548)	N/A
Chr9	65247094	65247213	Chr9.66265	Ctip(-18026),Parp16(+32464)	N/A
Chr9	65248256	65248393	Chr9.66273	Ctip(-16855),Parp16(+33635)	N/A
Chr9	65255555	65261159	Chr9.66287	Ctip(-73)	N/A
Chr9	65267910	65268051	Chr9.66300	Ctip(-26279),Ctip(+2801)	N/A
Chr9	65426278	65426827	Chr9.66725	Spg21(+1816),Ankdd1a(+54246)	N/A
Chr9	65502179	65502323	Chr9.66762	Ankdd1a(+14748),Spg21(+41314)	N/A
Chr9	65503361	65503524	Chr9.66765	Ankdd1a(+13556),Spg21(+42506)	N/A
Chr9	65512651	65512757	Chr9.66810	Ankdd1a(+4295),Spg21(+51767)	N/A
Chr9	65514643	65514748	Chr9.66814	Ankdd1a(+2303),Spg21(+53759)	N/A
Chr9	65561299	65561403	Chr9.66852	Ankdd1a(-44352),Plekho2(+18689)	N/A
Chr9	65562131	65562352	Chr9.66853	Ankdd1a(-45243),Plekho2(+17798)	N/A
Chr9	65569530	65569715	Chr9.66862	Ankdd1a(-52624),Plekho2(+10417)	N/A
Chr9	65577021	65577129	Chr9.66882	Ankdd1a(-60076),Plekho2(+2965)	N/A
Chr9	65583157	65583182	Chr9.66960	Oaz2(-44733),Rbms2(+1233)	N/A
Chr9	65641013	65641142	Chr9.66966	Oaz2(-35470),Rbms2(+10469)	N/A
Chr9	65659698	65659812	Chr9.66991	Oaz2(-16793),Rbms2(+29173)	N/A
Chr9	65679570	65679884	Chr9.67004	Oaz2(-3179),Zfp609(+147837)	N/A
Chr9	65680312	65680462	Chr9.67010	Oaz2(-3839),Zfp609(+147177)	N/A
Chr9	65691562	65691667	Chr9.67034	Oaz2(+15067),Zfp609(+135949)	N/A
Chr9	65692517	65692634	Chr9.67037	Oaz2(+16028),Zfp609(+134988)	N/A
Chr9	65692674	65692836	Chr9.67038	Oaz2(+16207),Zfp609(+134809)	N/A
Chr9	65693560	65693778	Chr9.67043	Oaz2(+17121),Zfp609(+133895)	N/A
Chr9	65695043	65695311	Chr9.67055	Oaz2(+18629),Zfp609(+132387)	N/A
Chr9	65696347	65696451	Chr9.67060	Oaz2(+18851),Zfp609(+132165)	N/A
Chr9	65695275	65695697	Chr9.67065	Oaz2(+19068),Zfp609(+131928)	N/A
Chr9	65724473	65724628	Chr9.67150	Oaz2(+46150),Zfp609(+102869)	N/A
Chr9	65725084	65725243	Chr9.67161	Oaz2(+48616),Zfp609(+102400)	N/A
Chr9	65726545	65726694	Chr9.67171	Oaz2(+50072),Zfp609(+100944)	N/A
Chr9	65744201	65744839	Chr9.67189	Oaz2(+67972),Zfp609(+83044)	N/A
Chr9	65755820	65756309	Chr9.67196	Zfp609(+71499),Oaz2(+79517)	N/A
Chr9	65776238	65776467	Chr9.67212	Zfp609(+51711),Oaz2(+98805)	N/A
Chr9	65777140	65777339	Chr9.67215	Zfp609(+50324),Oaz2(+100692)	N/A
Chr9	65781581	65781730	Chr9.67218	Zfp609(+45908),Oaz2(+105108)	N/A
Chr9	65787065	65787357	Chr9.67219	Zfp609(+40353),Oaz2(+110663)	N/A
Chr9	65787399	65787942	Chr9.67223	Zfp609(+39893),Oaz2(+111123)	N/A
Chr9	65791086	65791251	Chr9.67231	Zfp609(+36369),Oaz2(+114621)	N/A
Chr9	65823527	65823702	Chr9.67277	Zfp609(+3949),Oaz2(+147067)	N/A
Chr9	65823736	65824041	Chr9.67281	Zfp609(+3675),Oaz2(+147341)	N/A
Chr9	65826074	65826906	Chr9.67289	Zfp609(+1074),Oaz2(+149942)	N/A
Chr9	65832503	65832689	Chr9.67313	Pclaf(-57641),Zfp609(-5032)	N/A
Chr9	65833222	65833609	Chr9.67320	Pclaf(-56821),Zfp609(-5852)	N/A
Chr9	65833903	65834065	Chr9.67325	Pclaf(-56253),Zfp609(-6420)	N/A
Chr9	65848052	65848495	Chr9.67339	Pclaf(-41963),Zfp609(-20710)	N/A
Chr9	65909618	65909740	Chr9.67412	Trp4(-1003),Csnk1g1(+693)	N/A
Chr9	65910010	65910154	Chr9.67414	Trp4(-1406),Csnk1g1(+1096)	N/A
Chr9	65973343	65973528	Chr9.67458	Ppb(-8673),Csnk1g1(+64450)	N/A
Chr9	65976001	65976177	Chr9.67461	Ppb(-84110),Csnk1g1(+67073)	N/A
Chr9	66035583	66035899	Chr9.67506	Ppb(-29428),Csnk1g1(+121755)	N/A
Chr9	66039862	66040076	Chr9.67535	Ppb(-20200),Csnk1g1(+130983)	N/A
Chr9	66101580	66102101	Chr9.67658	Snx22(-32110),Snx1(+23045)	N/A
Chr9	66110701	66110968	Chr9.67681	Snx22(-41104),Snx1(+14051)	N/A
Chr9	66116970	66117106	Chr9.67690	Snx22(-47307),Snx1(+7848)	N/A
Chr9	66170628	66170734	Chr9.67722	Herc1(-17948),Dapk2(+12458)	N/A
Chr9	66276936	66277077	Chr9.67843	Herc1(-73519),Dapk2(-118784)	N/A
Chr9	66586547	66586788	Chr9.68205	Fbx22(-72075),Usp3(+6474)	N/A
Chr9	66591875	66591979	Chr9.68283	Fbx22(-77334),Usp3(+1215)	N/A
Chr9	66615171	66615336	Chr9.68294	Car12(-98432),Usp3(-22112)	N/A
Chr9	66660081	66660234	Chr9.68311	Usp3(-67016),Car12(-53528)	N/A
Chr9	66863591	66863798	Chr9.68521	Aph1c(-28969),Rab8b(+56019)	N/A
Chr9	66869532	66869705	Chr9.68546	Aph1c(-52558),Rab8b(+32721)	N/A
Chr9	66897800	66898035	Chr9.68558	Aph1c(-63192),Rab8b(+21787)	N/A
Chr9	66898232	66898344	Chr9.68688	Lactb(-13804),Tpm1(+60118)	N/A
Chr9	67012487	67012588	Chr9.68696	Lactb(-37054),Tpm1(+36868)	N/A
Chr9	67020355	67020531	Chr9.68702	Lactb(-44989),Tpm1(+28963)	N/A
Chr9	67022895	67023147	Chr9.68708	Lactb(-47537),Tpm1(+26398)	N/A
Chr9	67024490	67024603	Chr9.68725	Lactb(-49063),Tpm1(+24859)	N/A
Chr9	67028006	67028212	Chr9.68729	Lactb(-52625),Tpm1(+21297)	N/A
Chr9	67029657	67029817	Chr9.68735	Lactb(-54253),Tpm1(+19669)	N/A
Chr9	67040981	67041175	Chr9.68767	Lactb(-65594),Tpm1(+8328)	N/A
Chr9	67043571	67043711	Chr9.68779	Lactb(-68157),Tpm1(+5765)	N/A
Chr9	67045299	67045399	Chr9.68785	Lactb(-69865),Tpm1(+4057)	N/A
Chr9	67046235	67046508	Chr9.68788	Lactb(-70888),Tpm1(+3034)	N/A
Chr9	67046863	67046981	Chr9.68795	Lactb(-71438),Tpm1(+2484)	N/A
Chr9	67047086	67047245	Chr9.68798	Lactb(-71682),Tpm1(+2240)	N/A
Chr9	67049181	67049298	Chr9.68812	Tpm1(+166)	N/A
Chr9	67050874	67051038	Chr9.68816	Tpm1(-1550)	N/A
Chr9	67055369	67055491	Chr9.68819	Tpm1(-6024),Tin2(+504273)	N/A
Chr9	67071531	67071682	Chr9.68832	Tpm1(-22201),Tin2(+488096)	N/A
Chr9	67081748	67081936	Chr9.68840	Tpm1(-32436),Tin2(+477861)	N/A
Chr9	67107917	67108018	Chr9.68853	Tpm1(-58562),Tin2(+451735)	N/A
Chr9	67122151	67122265	Chr9.68853	Tpm1(-72802),Tin2(+537495)	N/A
Chr9	67182105	67182312	Chr9.68889	Tpm1(-132803),Tin2(+377494)	N/A
Chr9	67191875	67192036	Chr9.68895	Tpm1(-142550),Tin2(+367747)	N/A
Chr9	67208563	67208684	Chr9.68901	Tpm1(-159218),Tin2(+351079)	N/A
Chr9	67221156	67221255	Chr9.68914	Tpm1(-171800),Tin2(+338497)	N/A
Chr9	67235657	67235779	Chr9.68943	Tpm1(-186308),Tin2(+323689)	N/A
Chr9	67269309	67269494	Chr9.69011	Tpm1(-219966),Tin2(+290301)	N/A
Chr9	67270694	67270849	Chr9.69017	Tpm1(-221366),Tin2(+288931)	N/A
Chr9	67271483	67271588	Chr9.69023	Tpm1(-222130),Tin2(+288167)	N/A
Chr9	67299301	67299406	Chr9.69078	Tpm1(-249948),Tin2(+260349)	N/A
Chr9	67407249	67407350	Chr9.69303	Tpm1(-387894),Tin2(+152403)	N/A
Chr9	67446829	67447047	Chr9.69340	Tpm1(-397582),Tin2(+12715)	N/A
Chr9	67460090	67460225	Chr9.69351	Tpm1(-410752),Tin2(+95545)	N/A

Chr9	67485244	67485457	Chr9.69368	Tpm1(-435945),Tln2(+74352)	N/A
Chr9	67494317	67494465	Chr9.69372	Tpm1(-444985),Tln2(+65312)	N/A
Chr9	67534654	67534908	Chr9.69400	Tpm1(-485375),Tln2(+24922)	N/A
Chr9	67540349	67540453	Chr9.69409	Tpm1(-490935),Tln2(+19302)	N/A
Chr9	67565754	67565872	Chr9.69428	C2cd4b(-195624),Tln2(-6110)	N/A
Chr9	67573300	67573487	Chr9.69437	C2cd4b(-186043),Tln2(-13691)	N/A
Chr9	67581968	67582077	Chr9.69446	C2cd4b(-177414),Tln2(-22320)	N/A
Chr9	67617809	67618072	Chr9.69479	C2cd4b(-141496),Tln2(-58238)	N/A
Chr9	67633794	67633909	Chr9.69503	C2cd4b(-125585),Tln2(-74149)	N/A
Chr9	67705470	67705622	Chr9.69562	Msc100018rk(-35338),C2cd4a(+36784)	N/A
Chr9	67813918	67814030	Chr9.69575	Msc100018rk(-53766),C2cd4a(+18356)	N/A
Chr9	68116148	68116392	Chr9.70108	Rora(-537516),Vps13c(+275874)	N/A
Chr9	68200994	68201198	Chr9.70180	Rora(-452690),Vps13c(+360700)	N/A
Chr9	68235028	68235373	Chr9.70227	Rora(-418586),Vps13c(+394806)	N/A
Chr9	68268621	68268752	Chr9.70291	Rora(-385099),Vps13c(+228291)	N/A
Chr9	68400984	68401124	Chr9.70487	Rora(-252732),Vps13c(+560658)	N/A
Chr9	68571242	68571347	Chr9.70590	Rora(-82491),Vps13c(+730899)	N/A
Chr9	68585907	68586101	Chr9.70593	Rora(-67782),Vps13c(+745608)	N/A
Chr9	68648447	68648548	Chr9.70658	Rora(-5288),Vps13c(+808102)	N/A
Chr9	68653297	68653411	Chr9.70680	Rora(-432)	N/A
Chr9	68653487	68653599	Chr9.70682	Rora(-243)	N/A
Chr9	68655204	68655309	Chr9.70694	Ice2(-742649),Rora(+1471)	N/A
Chr9	68655747	68655848	Chr9.70697	Ice2(-742108),Rora(+2012)	N/A
Chr9	68673625	68673744	Chr9.70747	Ice2(-724221),Rora(+19899)	N/A
Chr9	68673871	68674135	Chr9.70750	Ice2(-723903),Rora(+20217)	N/A
Chr9	68684407	68684522	Chr9.70777	Ice2(-713441),Rora(+30679)	N/A
Chr9	68685472	68685751	Chr9.70781	Ice2(-712294),Rora(+31826)	N/A
Chr9	68687554	68687726	Chr9.70788	Ice2(-710266),Rora(+33854)	N/A
Chr9	68695380	68695849	Chr9.70811	Ice2(-702291),Rora(+41829)	N/A
Chr9	68761666	68761851	Chr9.70947	Ice2(-636147),Rora(+107973)	N/A
Chr9	68762889	68763099	Chr9.70953	Ice2(-634912),Rora(+106208)	N/A
Chr9	68764138	68764683	Chr9.70957	Ice2(-633485),Rora(+110625)	N/A
Chr9	68771401	68771596	Chr9.70975	Ice2(-626407),Rora(+117713)	N/A
Chr9	68777747	68778123	Chr9.70993	Ice2(-619971),Rora(+124149)	N/A
Chr9	68782378	68782479	Chr9.71004	Ice2(-615477),Rora(+128643)	N/A
Chr9	68790953	68791116	Chr9.71025	Ice2(-606871),Rora(+137249)	N/A
Chr9	68792193	68792680	Chr9.71033	Ice2(-605479),Rora(+138641)	N/A
Chr9	68795466	68795839	Chr9.71036	Ice2(-602553),Rora(+141867)	N/A
Chr9	68803966	68804310	Chr9.71056	Ice2(-593768),Rora(+150352)	N/A
Chr9	68805879	68806041	Chr9.71067	Ice2(-591946),Rora(+152174)	N/A
Chr9	68813230	68813540	Chr9.71076	Ice2(-584521),Rora(+159599)	N/A
Chr9	68842428	68842553	Chr9.71113	Ice2(-555415),Rora(+188705)	N/A
Chr9	68853427	68850578	Chr9.71124	Ice2(-547403),Rora(+196717)	N/A
Chr9	68850777	68850918	Chr9.71127	Ice2(-547058),Rora(+197062)	N/A
Chr9	68851085	68851193	Chr9.71129	Ice2(-546767),Rora(+197353)	N/A
Chr9	68874609	68874875	Chr9.71189	Ice2(-523164),Rora(+220956)	N/A
Chr9	68884305	68884518	Chr9.71183	Ice2(-513494),Rora(+230626)	N/A
Chr9	68940786	68941101	Chr9.71287	Ice2(-456962),Rora(+287158)	N/A
Chr9	68941171	68941361	Chr9.71270	Ice2(-456640),Rora(+287480)	N/A
Chr9	68942615	68942727	Chr9.71277	Ice2(-455235),Rora(+288885)	N/A
Chr9	68976976	68977445	Chr9.71353	Ice2(-420695),Rora(+323425)	N/A
Chr9	68989029	68990029	Chr9.71403	Ice2(-398927),Rora(+345193)	N/A
Chr9	68999142	68999248	Chr9.71406	Ice2(-398711),Rora(+345409)	N/A
Chr9	69025980	69026373	Chr9.71452	Ice2(-371729),Rora(+372931)	N/A
Chr9	69027966	69028079	Chr9.71463	Ice2(-369883),Rora(+374237)	N/A
Chr9	69044692	69044892	Chr9.71494	Ice2(-353114),Rora(+391006)	N/A
Chr9	69071320	69071657	Chr9.71547	Ice2(-326417),Rora(+417703)	N/A
Chr9	69084403	69084653	Chr9.71559	Ice2(-313378),Rora(+430742)	N/A
Chr9	69086371	69086584	Chr9.71565	Ice2(-309428),Rora(+434692)	N/A
Chr9	69092183	69092298	Chr9.71567	Ice2(-305665),Rora(+438459)	N/A
Chr9	69119709	69119891	Chr9.71634	Ice2(-278106),Rora(+466014)	N/A
Chr9	69125506	69125925	Chr9.71641	Ice2(-272190),Rora(+471930)	N/A
Chr9	69132915	69133025	Chr9.71651	Ice2(-264936),Rora(+479184)	N/A
Chr9	69133270	69133529	Chr9.71654	Ice2(-264508),Rora(+479614)	N/A
Chr9	69133560	69133718	Chr9.71656	Ice2(-264267),Rora(+479853)	N/A
Chr9	69134608	69134927	Chr9.71664	Ice2(-263138),Rora(+480892)	N/A
Chr9	69149840	69150012	Chr9.71695	Ice2(-247980),Rora(+496140)	N/A
Chr9	69170011	69170116	Chr9.71732	Ice2(-227842),Rora(+516278)	N/A
Chr9	69194110	69194412	Chr9.71787	Ice2(-203645),Rora(+540475)	N/A
Chr9	69213321	69213530	Chr9.71855	Ice2(-184460),Rora(+559640)	N/A
Chr9	69213285	69213694	Chr9.71861	Ice2(-184266),Rora(+559654)	N/A
Chr9	69223749	69224018	Chr9.71886	Ice2(-174022),Rora(+570098)	N/A
Chr9	69224115	69224216	Chr9.71891	Ice2(-173740),Rora(+570380)	N/A
Chr9	69237415	69237563	Chr9.71920	Ice2(-160417),Rora(+583703)	N/A
Chr9	69237759	69237858	Chr9.71923	Ice2(-160097),Rora(+584023)	N/A
Chr9	69243730	69244053	Chr9.71938	Ice2(-154014),Rora(+590106)	N/A
Chr9	69259401	69259533	Chr9.71964	Ice2(-138439),Rora(+605681)	N/A
Chr9	15421950	15422385	Chr9.7197	Smco4(-83319),Cep295(-64380)	N/A
Chr9	69265292	69265436	Chr9.71979	Ice2(-132542),Rora(+611578)	N/A
Chr9	69275147	69275247	Chr9.72027	Ice2(-122709),Rora(+621411)	N/A
Chr9	69281266	69281435	Chr9.72039	Ice2(-116555),Rora(+627565)	N/A
Chr9	69282650	692828376	Chr9.72053	Ice2(-105588),Rora(+634532)	N/A
Chr9	69291343	69291519	Chr9.72058	Ice2(-106475),Rora(+637645)	N/A
Chr9	69292166	69292292	Chr9.72062	Ice2(-105677),Rora(+638443)	N/A
Chr9	69292678	69292894	Chr9.72070	Ice2(-105120),Rora(+639000)	N/A
Chr9	69301597	69301873	Chr9.72095	Ice2(-961711),Rora(+647949)	N/A
Chr9	69301908	69302211	Chr9.72101	Ice2(-95846),Rora(+648274)	N/A
Chr9	69302559	69302707	Chr9.72105	Ice2(-95273),Rora(+648847)	N/A
Chr9	69302902	69303247	Chr9.72109	Ice2(-94831),Rora(+649289)	N/A
Chr9	69303627	69303768	Chr9.72113	Ice2(-94208),Rora(+649912)	N/A
Chr9	69310589	69310858	Chr9.72123	Ice2(-87182),Rora(+656938)	N/A
Chr9	69381538	69381713	Chr9.72266	Ice2(-16280),Rora(+727840)	N/A
Chr9	69440326	69440192	Chr9.72375	Gm1978(-10925),Icx2(+2203)	N/A
Chr9	15496759	15496913	Chr9.7238	Cep295(-139048),Smco4(-8651)	N/A
Chr9	69467621	69467731	Chr9.72393	Anxa2(+14056),Foxb1(+293264)	N/A
Chr9	69470301	69470889	Chr9.72397	Anxa2(+16875),Foxb1(+290445)	N/A
Chr9	69472930	69473035	Chr9.72402	Anxa2(+19363),Foxb1(+287957)	N/A
Chr9	69477314	69477314	Chr9.72419	Anxa2(-23833),Foxb1(+283687)	N/A
Chr9	69479828	69480139	Chr9.72431	Anxa2(-26364),Foxb1(+280956)	N/A
Chr9	69507023	69507227	Chr9.72497	Anxa2(+53505),Foxb1(+253815)	N/A
Chr9	69507371	69507564	Chr9.72502	Anxa2(+53848),Foxb1(+253472)	N/A
Chr9	15507257	15507358	Chr9.7251	Smco4(+1821),Deup1(+120625)	N/A
Chr9	69517631	69518302	Chr9.72513	Anxa2(+64347),Foxb1(+242973)	N/A
Chr9	69681838	69682067	Chr9.72710	Foxb1(+7887),Anxa2(+28333)	N/A
Chr9	69687452	69687636	Chr9.72717	Foxb1(+73396),Anxa2(+233924)	N/A
Chr9	69712877	69713002	Chr9.72763	Foxb1(+48000),Anxa2(+259320)	N/A
Chr9	69713510	69714243	Chr9.72768	Foxb1(+47063),Anxa2(+260257)	N/A
Chr9	69714348	69714447	Chr9.72776	Foxb1(+46542),Anxa2(+260778)	N/A
Chr9	69716433	69716683	Chr9.72791	Foxb1(+44382),Anxa2(+262938)	N/A
Chr9	69760791	69760669	Chr9.72869	Foxb1(+60)	N/A
Chr9	69764041	69764265	Chr9.72883	Foxb1(-3213)	N/A
Chr9	69802678	69802963	Chr9.72931	Bnip2(-186645),Foxb1(-41881)	N/A
Chr9	69811615	69811716	Chr9.72942	Bnip2(-177800),Foxb1(-50726)	N/A
Chr9	69811785	69812146	Chr9.72945	Bnip2(-177499),Foxb1(-51027)	N/A
Chr9	69812395	69812575	Chr9.72948	Bnip2(-176981),Foxb1(-51545)	N/A
Chr9	69907354	69907506	Chr9.73075	Foxb1(-146490),Bnip2(-82036)	N/A
Chr9	69989582	69989704	Chr9.73193	Bnip2(-177)	N/A
Chr9	70207195	70207354	Chr9.73402	Myo1e(-75)	N/A
Chr9	70207490	70207718	Chr9.73406	Myo1e(+254)	N/A
Chr9	70241071	70241310	Chr9.73437	Myo1e(-33841),Ccnb2(+180363)	N/A
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Chr9	70263422	70263536	Chr9.73468	Myo1e(+56129),Ccnb2(+158075)	N/A
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Chr9	70351897	70352046	Chr9.73568	Ccnb2(+69582),Myo1e(+144622)	N/A
Chr9	70421542	70421681	Chr9.73707	Ccnb2(-48)	N/A
Chr9	70502680	70502786	Chr9.73748	Rnf111(+992)	N/A
Chr9	70592381	70592537	Chr9.73859	Gm10642(-63792),Sltm(+49539)	N/A
Chr9	70779721	70779886	Chr9.74005	Adam10(+100807),Lipci(+155004)	N/A
Chr9	70840934	70841041	Chr9.74105	Lipci(+93820),Adam10(+161991)	N/A
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Chr9	70848374	70848604	Chr9.74113	Lipci(+86289),Adam10(+169523)	N/A
Chr9	70891562	70891864	Chr9.74145	Lipci(+43095),Adam10(+212716)	N/A
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Chr9	71326337	71326689	Chr9.74529	Aldh1a2(+110724),Polr2m(+159422)	N/A
Chr9	71337630	71337799	Chr9.74542	Aldh1a2(+121926),Polr2m(+148220)	N/A
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Chr9	71349237	71349408	Chr9.74556	Aldh1a2(+133534),Polr2m(+136612)	N/A
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Chr9	71390216	71390784	Chr9.74602	Polr2m(+95435),Aldh1a2(+174711)	N/A
Chr9	71400341	71400485	Chr9.74610	Polr2m(+85522),Aldh1a2(+184624)	N/A
Chr9	71409053	71409194	Chr9.74616	Polr2m(+76811),Aldh1a2(+193335)	N/A
Chr9	71413526	71413696	Chr9.74626	Polr2m(+72323),Aldh1a2(+197823)	N/A
Chr9	71450641	71450853	Chr9.74647	Polr2m(+35188),Aldh1a2(+234958)	N/A
Chr9	71450959	71451183	Chr9.74654	Polr2m(+34864),Aldh1a2(+235282)	N/A
Chr9	71451541	71451825	Chr9.74657	Polr2m(+34252),Aldh1a2(+235694)	N/A
Chr9	71453254	71453358	Chr9.74661	Polr2m(+32626),Aldh1a2(+237517)	N/A
Chr9	71467550	71467781	Chr9.74681	Polr2m(+18269),Aldh1a2(+251877)	N/A
Chr9	71493005	71493461	Chr9.74725	Polr2m(-7298),Gcom1(+99032)	N/A
Chr9	71498353	71498502	Chr9.74739	Polr2m(-12493),Gcom1(+93837)	N/A
Chr9	71498562	71498909	Chr9.74742	Polr2m(-12801),Gcom1(+93529)	N/A
Chr9	71680710	71680812	Chr9.74922	Myzap(-68401),Cgnt1(+110841)	N/A
Chr9	71676067	71676227	Chr9.74930	Myzap(-63767),Cgnt1(+95455)	N/A
Chr9	71757287	71757386	Chr9.75051	Myzap(-164977),Cgnt1(+14265)	N/A
Chr9	71758255	71758356	Chr9.75053	Myzap(-165946),Cgnt1(+13296)	N/A
Chr9	71760720	71760976	Chr9.75056	Myzap(-168488),Cgnt1(+10754)	N/A
Chr9	71811668	71811811	Chr9.75078	Cgnt1(-40148),Tcf12(+300069)	N/A
Chr9	71833315	71833464	Chr9.75083	Cgnt1(-63788),Tcf12(+276428)	N/A
Chr9	71844996	71845124	Chr9.75092	Cgnt1(-73458),Tcf12(+266759)	N/A
Chr9	71845245	71845428	Chr9.75096	Cgnt1(-73735),Tcf12(+266482)	N/A
Chr9	71861668	71862044	Chr9.75110	Cgnt1(-90254),Tcf12(+249963)	N/A
Chr9	71874737	71874938	Chr9.75143	Cgnt1(-103236),Tcf12(+236981)	N/A
Chr9	71879417	71879869	Chr9.75149	Cgnt1(-108941),Tcf12(+232176)	N/A
Chr9	71879923	71880454	Chr9.75154	Cgnt1(-108587),Tcf12(+231630)	N/A
Chr9	71880687	71880955	Chr9.75156	Cgnt1(-109219),Tcf12(+230998)	N/A
Chr9	71888484	71888898	Chr9.75176	Cgnt1(-117089),Tcf12(+223128)	N/A
Chr9	71894242	71894428	Chr9.75191	Cgnt1(-122733),Tcf12(+217484)	N/A
Chr9	71894532	71894650	Chr9.75194	Cgnt1(-122869),Tcf12(+217228)	N/A
Chr9	71895280	71895555	Chr9.75196	Cgnt1(-123816),Tcf12(+216401)	N/A
Chr9	71895900	71896178	Chr9.75201	Cgnt1(-124437),Tcf12(+215780)	N/A
Chr9	71896437	71896653	Chr9.75204	Cgnt1(-124943),Tcf12(+215274)	N/A
Chr9	71897494	71897666	Chr9.75207	Cgnt1(-125978),Tcf12(+214239)	N/A
Chr9	71898943	71899257	Chr9.75212	Cgnt1(-127498),Tcf12(+212719)	N/A
Chr9	71915612	71915860	Chr9.75236	Cgnt1(-144149),Tcf12(+196088)	N/A
Chr9	71916027	71916145	Chr9.75239	Cgnt1(-144484),Tcf12(+195733)	N/A
Chr9	71916203	71916810	Chr9.75241	Cgnt1(-144905),Tcf12(+195312)	N/A
Chr9	71959541	71959918	Chr9.75276	Cgnt1(-188128),Tcf12(+152089)	N/A
Chr9	71974446	71974774	Chr9.75324	Cgnt1(-203008),Tcf12(+137209)	N/A
Chr9	72023199	72023474	Chr9.75332	Cgnt1(-251735),Tcf12(+88482)	N/A
Chr9	72084238	72084377	Chr9.75352	Cgnt1(-312706),Tcf12(+27511)	N/A
Chr9	72110464	72110620	Chr9.75381	Cgnt1(-338940),Tcf12(+1277)	N/A
Chr9	72136939	72137094	Chr9.75413	Tcf12(-25198),Uba52-ps(+37942)	N/A
Chr9	72155488	72155450	Chr9.75416	Tcf12(-43555),Uba52-ps(+19585)	N/A
Chr9	72155484	72155598	Chr9.75418	Tcf12(-43722),Uba52-ps(+19418)	N/A
Chr9	72155630	72155809	Chr9.75420	Tcf12(-43901),Uba52-ps(+19239)	N/A
Chr9	72184020	72184240	Chr9.75439	Zfp280d(-90769),Uba52-ps(-9171)	N/A
Chr9	72196641	72196905	Chr9.75452	Zfp280d(-78126),Uba52-ps(-21814)	N/A
Chr9	72197097	72197373	Chr9.75457	Zfp280d(-77664),Uba52-ps(-22276)	N/A
Chr9	72393425	72393593	Chr9.75598	Mns1(-45020),Zfp280d(+118610)	N/A
Chr9	72402643	72402947	Chr9.75623	Mns1(-29134),Zfp280d(+134496)	N/A
Chr9	72475592	72475750	Chr9.75686	Tax1b(+16268),Mns1(+37142)	N/A
Chr9	72530408	72530536	Chr9.75718	Rfx7(-2348)	N/A
Chr9	72530898	72531050	Chr9.75721	Rfx7(-1846)	N/A
Chr9	72531113	72531257	Chr9.75725	Rfx7(-1635)	N/A
Chr9	72533291	72533445	Chr9.75729	Rfx7(+548)	N/A
Chr9	72627761	72627929	Chr9.75844	Nedd4(-34712),Rfx7(+85025)	N/A
Chr9	72691668	72692111	Chr9.75854	Prtg(-116384),Nedd4(+20333)	N/A
Chr9	72692241	72692594	Chr9.75859	Prtg(-114856),Nedd4(+29861)	N/A
Chr9	72692827	72693603	Chr9.75861	Prtg(-114059),Nedd4(+30658)	N/A
Chr9	72693633	72693767	Chr9.75874	Prtg(-113574),Nedd4(+31143)	N/A
Chr9	72693810	72693958	Chr9.75878	Prtg(-113390),Nedd4(+31327)	N/A
Chr9	72694041	72694384	Chr9.75882	Prtg(-113061),Nedd4(+31658)	N/A
Chr9	72694533	72694890	Chr9.75897	Prtg(-112517),Nedd4(+32200)	N/A
Chr9	72696767	72696893	Chr9.75906	Prtg(-110444),Nedd4(+34273)	N/A
Chr9	72702231	72702453	Chr9.75910	Prtg(-104932),Nedd4(+39785)	N/A
Chr9	72714209	72714374	Chr9.75926	Prtg(-92982),Nedd4(+51735)	N/A
Chr9	72758613	72758979	Chr9.75997	Prtg(-46378),Nedd4(+86339)	N/A
Chr9	72763270	72763462	Chr9.76000	Prtg(-43908),Nedd4(+100809)	N/A
Chr9	72779817	72780043	Chr9.76012	Prtg(-27344),Nedd4(+117373)	N/A
Chr9	72780768	72781154	Chr9.76014	Prtg(-26313),Nedd4(+118404)	N/A
Chr9	72792079	72792205	Chr9.76026	Prtg(-15132),Nedd4(+129585)	N/A
Chr9	72800826	72800967	Chr9.76031	Prtg(-6377),Nedd4(+138340)	N/A
Chr9	72808993	72809032	Chr9.76039	Pygo1(-116832),Prtg(+1539)	N/A
Chr9	72809099	72809218	Chr9.76043	Pygo1(-116486),Prtg(+1885)	N/A
Chr9	72810178	72810332	Chr9.76045	Pygo1(-115390),Prtg(+2981)	N/A
Chr9	72812372	72812479	Chr9.76047	Pygo1(-113219),Prtg(+5152)	N/A
Chr9	72812565	72812944	Chr9.76049	Pygo1(-112890),Prtg(+5481)	N/A
Chr9	72813553	72813531	Chr9.76051	Pygo1(-112203),Prtg(+6168)	N/A
Chr9	72814646	72814878	Chr9.76056	Pygo1(-110883),Prtg(+7468)	N/A
Chr9	72825737	72825866	Chr9.76070	Pygo1(-99843),Prtg(+18528)	N/A
Chr9	72828624	72829210	Chr9.76073	Pygo1(-96728),Prtg(+21643)	N/A
Chr9	72836726	72837039	Chr9.76080	Pygo1(-88762),Prtg(+29609)	N/A
Chr9	72853637	72854136	Chr9.76115	Pygo1(-71758),Prtg(+46613)	N/A
Chr9	72854363	72854432	Chr9.76122	Pygo1(-71277),Prtg(+47094)	N/A
Chr9	72863917	72864066	Chr9.76145	Pygo1(-61653),Prtg(+56718)	N/A
Chr9	72872955	72873127	Chr9.76161	Pygo1(-52604),Prtg(+65767)	N/A
Chr9	72878167	72878477	Chr9.76166	Pygo1(-47323),Prtg(+71048)	N/A
Chr9	72880290	72880594	Chr9.76172	Pygo1(-45203),Prtg(+73168)	N/A
Chr9	72881389	72881488	Chr9.76176	Pygo1(-44206),Prtg(+74165)	N/A
Chr9	72902071	72902178	Chr9.76196	Pygo1(-23520),Prtg(+94851)	N/A
Chr9	72916880	72917102	Chr9.76256	Pygo1(-8654),Prtg(+109717)	N/A
Chr9	73050649	73050755	Chr9.76477	Khd3(-51696),Rab27a(+5837)	N/A
Chr9	73064082	73064259	Chr9.76480	Khd3(-38227),Rab27a(+19306)	N/A
Chr9	73224448	73224607	Chr9.76567	Gm5745(-48805),Unc13c(+709021)	N/A
Chr9	73968875	73968975	Chr9.76885	Wdr72(-14543),Unc13c(-35249)	N/A
Chr9	74002511	74002628	Chr9.76911	Wdr72(-107786),Unc13c(-69003)	N/A
Chr9	74186815	74186954	Chr9.77048	Oncut1(-675036),Wdr72(+76529)	N/A
Chr9	75943159	75943430	Chr9.77112	Mtnr1b(-68835),Fat3(+434936)	N/A
Chr9	74275994	74276241	Chr9.77213	Oncut1(-585803),Wdr72(+165762)	N/A
Chr9	74277725	74278322	Chr9.77218	Oncut1(-583997),Wdr72(+167698)	N/A
Chr9	74349029	74349305	Chr9.77334	Oncut1(-512754),Wdr72(+238811)	N/A
Chr9	74461981	74462088	Chr9.77508	Oncut1(-399886),Wdr72(+351679)	N/A
Chr9	74530788	74530977	Chr9.77600	Oncut1(-331038),Wdr72(+420527)	N/A
Chr9	74532026	74532327	Chr9.77605	Oncut1(-329744),Wdr72(+421821)	N/A
Chr9	74895936	74896128	Chr9.77788	Oncut1(-165889),Wdr72(+585676)	N/A
Chr9	74811550	74811710	Chr9.77963	Oncut1(-50291),Wdr72(+701274)	N/A
Chr9	74820207	74820450	Chr9.77983	Oncut1(-41592),Wdr72(+709973)	N/A
Chr9	74846959	74847115	Chr9.78019	Oncut1(-14884),Wdr72(+736681)	N/A
Chr9	74848364	74848592	Chr9.78024	Oncut1(-13443),Wdr72(+738122)	N/A
Chr9	74864565	74864676	Chr9.78072	Fam214a(-111490),Oncut1(+2700)	N/A
Chr9	74866795	74866911	Chr9.78077	Fam214a(-109258),Oncut1(+4932)	N/A
Chr9	74952188	74952404	Chr9.78171	Fam214a(-23815),Oncut1(+90375)	N/A
Chr9	74953715	74953846	Chr9.78178	Fam214a(-22330),Oncut1(+91860)	N/A
Chr9	74961623	74961724	Chr9.78186	Fam214a(-14437),Oncut1(+99753)	N/A
Chr9	74975933	74976371	Chr9.78192	Fam214a(+41)	N/A
Chr9	74976439	74976560	Chr9.78200	Fam214a(+389)	N/A
Chr9	75072053	75072167	Chr9.78327	Myo5a(+922)	N/A
Chr9	75077093	75077224	Chr9.78336	Mtnr1b(-102699),Fat3(+401072)	N/A
Chr9	75407886	75408073	Chr9.78791	Mapk6(+1379),Bcl2l10(+60222)	N/A
Chr9	75479668	75479807	Chr9.78853	Leo1(+38214),Tmod3(+79919)	N/A
Chr9	75626445	75626725	Chr9.78982	Lysmd2(+853)	N/A
Chr9	75683941	75684093	Chr9.79044	Scg3(-21)	N/A
Chr9	75742889	75744532	Chr9.79098	Bmp5(-943)	N/A
Chr9	75775278	75775967	Chr9.79096	Bmp5(+259)	N/A
Chr9	75777792	75777947	Chr9.79104	Hmgcl1(-236985),Bmp5(+2506)	N/A
Chr9	75780942	75781076	Chr9.79116	Hmgcl1(-233846),Bmp5(+5645)	N/A
Chr9	75781653	75782031	Chr9.79119	Hmgcl1(-233013),Bmp5(+6478)	N/A
Chr9	75799443	75799649	Chr9.79130	Hmgcl1(-215339),Bmp5(+24182)	N/A
Chr9	75816562	75816886	Chr9.79144	Hmgcl1(-198131),Bmp5(+13650)	N/A
Chr9	75870348	75870779	Chr9.79217	Hmgcl1(-144291),Bmp5(+95200)	N/A
Chr9	75870935	75871267	Chr9.79220	Hmgcl1(-143754),Bmp5(+95737)	N/A
Chr9	75897026	75897220	Chr9.79254	Hmgcl1(-117732),Bmp5(+121759)	N/A
Chr9	75981111	75981324	Chr9.79327	Hmgcl1(-53637),Bmp5(+185854)	N/A
Chr9	76024619	76024763	Chr9.79357	Hmgcl1(+9631),Gtfal(+188971)	N/A
Chr9	76029413	76029675	Chr9.79358	Hmgcl1(+14789),Gtfal(+184013)	N/A

Chr9	76030010	76030175	Chr9.79364	Hmgcl1(+15238),Gral(+183564)	N/A
Chr9	76034946	76035096	Chr9.79368	Hmgcl1(+20166),Gral(+178636)	N/A
Chr9	76061745	76061856	Chr9.79395	Hmgcl1(+46946),Gral(+151856)	N/A
Chr9	76134111	76134252	Chr9.79468	Gral(+79475),Hmgcl1(+119327)	N/A
Chr9	76172411	76172927	Chr9.79485	Gral(+40988),Hmgcl1(+157814)	N/A
Chr9	76172998	76173244	Chr9.79492	Gral(+40536),Hmgcl1(+158266)	N/A
Chr9	76235407	76235532	Chr9.79563	Gral(-21813),Hctr2(+88108)	N/A
Chr9	76237189	76237289	Chr9.79572	Gral(-23582),Hctr2(+86339)	N/A
Chr9	77340132	77340162	Chr9.80078	Tmag(-294545),Mlp(+7544)	N/A
Chr9	77426230	77426417	Chr9.80128	Mlp(-78454),Lrnc1(+117735)	N/A
Chr9	77481158	77481260	Chr9.80208	Mlp(-133339),Lrnc1(+62850)	N/A
Chr9	77525583	77525706	Chr9.80237	Mlp(-177775),Lrnc1(+18414)	N/A
Chr9	16014442	16014575	Chr9.8024	Mtnr1b(-140049),Fat3(+363722)	N/A
Chr9	77595495	77595605	Chr9.80291	Lrnc1(-51491),Khl31(-41182)	N/A
Chr9	77917109	77917427	Chr9.80443	Elov5(-96)	N/A
Chr9	77925028	77925131	Chr9.80459	Gcm1(-126878),Elov5(+7716)	N/A
Chr9	77965739	77965845	Chr9.80479	Gcm1(-86166),Elov5(+48428)	N/A
Chr9	78016411	78016570	Chr9.80521	Gcm1(-35467),Elov5(+99127)	N/A
Chr9	16024161	16024391	Chr9.8056	Mtnr1b(-149816),Fat3(+353955)	N/A
Chr9	78118223	78114442	Chr9.80519	Gsta4(-77633),Jck(+1018)	N/A
Chr9	78176558	78176874	Chr9.80732	Gsta4(-15350),Jck(+53301)	N/A
Chr9	16029107	16029326	Chr9.8086	Mtnr1b(-154757),Fat3(+349014)	N/A
Chr9	78481636	78481771	Chr9.80974	Eef1a1(+20)	N/A
Chr9	78615405	78615576	Chr9.81042	Cd109(-55)	N/A
Chr9	78619433	78619580	Chr9.81055	Cd109(-3961)	N/A
Chr9	78845461	78845595	Chr9.81290	Cd109(-229982),Cd12a1(+872990)	N/A
Chr9	78965082	78965187	Chr9.81344	Cd109(+349589),Cd12a1(+753383)	N/A
Chr9	78965247	78965420	Chr9.81347	Cd109(+349788),Cd12a1(+753184)	N/A
Chr9	79013221	79013358	Chr9.81386	Cd109(+397744),Cd12a1(+705228)	N/A
Chr9	79215626	79215844	Chr9.81500	Cd12a1(+502783),Cd109(+600189)	N/A
Chr9	79215899	79216165	Chr9.81502	Cd12a1(+55286),Cd109(+600486)	N/A
Chr9	79242824	79242969	Chr9.81534	Cd12a1(+475621),Cd109(+627351)	N/A
Chr9	79270095	79270248	Chr9.81542	Cd12a1(+448346),Cd109(+654626)	N/A
Chr9	79317176	79317344	Chr9.81572	Cd12a1(+401258),Cd109(+701714)	N/A
Chr9	79479061	79479255	Chr9.81656	Cd12a1(+239360),Cd109(+863612)	N/A
Chr9	79500203	79500478	Chr9.81662	Cd12a1(+218177),Cd109(+884795)	N/A
Chr9	79598633	79600138	Chr9.81729	Cd12a1(+118522),Cd109(+984450)	N/A
Chr9	79608181	79608315	Chr9.81768	Cd12a1(+110270),Cd109(+992702)	N/A
Chr9	79610477	79610645	Chr9.81775	Cd12a1(+107957),Cd109(+995015)	N/A
Chr9	79654067	79654207	Chr9.81892	Cd12a1(+64381)	N/A
Chr9	79690692	79691009	Chr9.82033	Cd12a1(+27667)	N/A
Chr9	16108045	16108258	Chr9.8214	Mtnr1b(-233693),Fat3(+270079)	N/A
Chr9	79718625	79719849	Chr9.82153	Cd12a1(-219)	N/A
Chr9	79718878	79719008	Chr9.82154	Cd12a1(-425)	N/A
Chr9	79719106	79719280	Chr9.82156	Cd12a1(-675)	N/A
Chr9	16111381	16111485	Chr9.82223	Mtnr1b(-236973),Fat3(+266798)	N/A
Chr9	79809528	79809702	Chr9.82266	Tmem30a(-16185),Filp1(+168189)	N/A
Chr9	79830161	79830279	Chr9.82366	Tmem30a(-36790),Filp1(+147504)	N/A
Chr9	79830921	79831161	Chr9.82374	Tmem30a(-37611),Filp1(+146763)	N/A
Chr9	79869798	79869942	Chr9.82412	Tmem30a(-76440),Filp1(+107934)	N/A
Chr9	79875851	79876132	Chr9.82424	Tmem30a(-82562),Filp1(+101812)	N/A
Chr9	79876212	79876425	Chr9.82427	Tmem30a(-82889),Filp1(+101485)	N/A
Chr9	79890530	79890811	Chr9.82440	Tmem30a(-97241),Filp1(+87133)	N/A
Chr9	79894659	79894847	Chr9.82450	Tmem30a(-101323),Filp1(+83051)	N/A
Chr9	79922100	79922209	Chr9.82476	Tmem30a(-128725),Filp1(+55649)	N/A
Chr9	79922442	79922580	Chr9.82479	Tmem30a(-129081),Filp1(+55293)	N/A
Chr9	79926356	79926687	Chr9.82483	Tmem30a(-133092),Filp1(+51282)	N/A
Chr9	79970790	79971039	Chr9.82554	Tmem30a(-177485),Filp1(+6889)	N/A
Chr9	79977450	79977939	Chr9.82578	Filp1(+109)	N/A
Chr9	80012891	80013058	Chr9.82615	Serp5(-53929),Filp1(-35170)	N/A
Chr9	80146183	80146341	Chr9.82687	Myo6(-18769),Serp6(+79359)	N/A
Chr9	80166533	80166745	Chr9.82697	Myo6(+1608),Impg1(+298799)	N/A
Chr9	80218728	80218996	Chr9.82721	Myo6(+53831),Impg1(+246576)	N/A
Chr9	80253503	80253645	Chr9.82745	Myo6(+88543),Impg1(+211864)	N/A
Chr9	80333748	80334012	Chr9.82887	Impg1(+131558),Myo6(+168849)	N/A
Chr9	81630458	81630605	Chr9.83341	Htr1b(-2083)	N/A
Chr9	16185384	16185648	Chr9.8352	Mtnr1b(-311056),Fat3(+192715)	N/A
Chr9	82974374	82974495	Chr9.83905	Phip(+1054),Irak1bp1(+144629)	N/A
Chr9	82975788	82976168	Chr9.83915	Phip(-489)	N/A
Chr9	82976362	82976989	Chr9.83918	Phip(-1187)	N/A
Chr9	83057620	83057744	Chr9.83962	Phip(-82193),Hmgn3(-89003)	N/A
Chr9	83097869	83098185	Chr9.83997	Phip(-122538),Hmgn3(+48658)	N/A
Chr9	16215740	16215862	Chr9.8403	Mtnr1b(-341341),Fat3(+162430)	N/A
Chr9	83146422	83146561	Chr9.84045	Hmgn3(+193)	N/A
Chr9	83146620	83146791	Chr9.84048	Hmgn3(-21)	N/A
Chr9	16221939	16222181	Chr9.8409	Mtnr1b(-347600),Fat3(+156171)	N/A
Chr9	83300754	83300954	Chr9.84107	Hmgn3(-154169),Lca5(+140173)	N/A
Chr9	83304852	83304976	Chr9.84112	Hmgn3(-158229),Lca5(+136113)	N/A
Chr9	83316512	83316981	Chr9.84126	Hmgn3(-170062),Lca5(+124280)	N/A
Chr9	83317069	83317173	Chr9.84134	Hmgn3(-170436),Lca5(+123906)	N/A
Chr9	83317626	83317751	Chr9.84137	Hmgn3(-171004),Lca5(+123338)	N/A
Chr9	83325931	83326102	Chr9.84157	Hmgn3(-179332),Lca5(+115010)	N/A
Chr9	83351229	83351343	Chr9.84171	Hmgn3(-204601),Lca5(+89741)	N/A
Chr9	83387966	83388265	Chr9.84190	Hmgn3(-241431),Lca5(+52911)	N/A
Chr9	83448073	83448281	Chr9.84256	Sh3bgr2(-100161),Lca5(-7150)	N/A
Chr9	83565536	83565716	Chr9.84303	Sh3bgr2(+17288),Elov4(+240679)	N/A
Chr9	83629509	83629616	Chr9.84370	Sh3bgr2(+81225),Elov4(+176742)	N/A
Chr9	83636190	83636311	Chr9.84379	Sh3bgr2(-87913),Elov4(-170054)	N/A
Chr9	83636349	83636450	Chr9.84382	Sh3bgr2(+88062),Elov4(+169905)	N/A
Chr9	83664440	83664677	Chr9.84397	Sh3bgr2(+116221),Elov4(+141746)	N/A
Chr9	83686091	83686242	Chr9.84414	Elov4(+120138),Sh3bgr2(+137829)	N/A
Chr9	83686496	83686728	Chr9.84417	Elov4(+119693),Sh3bgr2(+138274)	N/A
Chr9	83778955	83778828	Chr9.84469	Elov4(+27543),Sh3bgr2(-230424)	N/A
Chr9	83778883	83778998	Chr9.84471	Elov4(+27364),Sh3bgr2(-230603)	N/A
Chr9	83962664	83962826	Chr9.84613	Gm8226(-461213),Bckdhh(+37595)	N/A
Chr9	84032830	84033125	Chr9.84655	Gm8226(-390980),Bckdhh(+107828)	N/A
Chr9	84037626	84037810	Chr9.84669	Gm8226(-386240),Bckdhh(+12566)	N/A
Chr9	84073355	84073462	Chr9.84719	Gm8226(-360549),Bckdhh(+149259)	N/A
Chr9	84110774	84110776	Chr9.84739	Gm8226(-313033),Bckdhh(+185775)	N/A
Chr9	84114335	84114443	Chr9.84750	Gm8226(-309569),Bckdhh(+189239)	N/A
Chr9	84114475	84114623	Chr9.84754	Gm8226(-309409),Bckdhh(+189399)	N/A
Chr9	84178446	84178842	Chr9.84801	Gm8226(-245314),Bckdhh(+253494)	N/A
Chr9	84178926	84179030	Chr9.84805	Gm8226(-244980),Bckdhh(+253828)	N/A
Chr9	84184081	84184229	Chr9.84816	Gm8226(-239803),Bckdhh(+259005)	N/A
Chr9	84295962	84296077	Chr9.84948	Gm8226(-127938),Bckdhh(+370870)	N/A
Chr9	84673275	84673462	Chr9.85127	Gm11114(-639404),Gm8226(+249411)	N/A
Chr9	16298063	16298241	Chr9.8548	Mtnr1b(-423692),Fat3(+80079)	N/A
Chr9	85325403	85325508	Chr9.85526	Ten15a(+1668),Gm11114(+12683)	N/A
Chr9	85327282	85327395	Chr9.85533	Ten15a(-215)	N/A
Chr9	85394927	85395216	Chr9.85598	Ten15a(-67949),Ibtb(+354262)	N/A
Chr9	85496981	85497128	Chr9.85710	Ten15a(-169931),Ibtb(+252279)	N/A
Chr9	85582418	85582576	Chr9.85759	Ten15a(-255373),Ibtb(+166837)	N/A
Chr9	85615857	85615976	Chr9.85772	Ten15a(-288793),Ibtb(+133417)	N/A
Chr9	85673089	85673244	Chr9.85802	Ten15a(-340404),Ibtb(+76167)	N/A
Chr9	85674397	85674498	Chr9.85811	Ten15a(-347324),Ibtb(+74886)	N/A
Chr9	85749123	85749234	Chr9.85900	Ibtb(+155)	N/A
Chr9	85749346	85749450	Chr9.85903	Ibtb(-64)	N/A
Chr9	85842164	85842265	Chr9.85968	Tpbg(-165)	N/A
Chr9	86058536	86058652	Chr9.86222	Tpbg(+216214),Ube2cbp(+406356)	N/A
Chr9	86186002	86186122	Chr9.86529	Ube2cbp(+275860),Tpbg(+346662)	N/A
Chr9	86205904	86205987	Chr9.86351	Ube2cbp(+259719),Tpbg(-362851)	N/A
Chr9	16352879	16353173	Chr9.8637	Mtnr1b(-478566),Fat3(+25205)	N/A
Chr9	86298391	86298523	Chr9.86418	Ube2cbp(+166493),Tpbg(+456077)	N/A
Chr9	86327813	86328000	Chr9.86452	Ube2cbp(+137043),Tpbg(+485527)	N/A
Chr9	86328216	86328369	Chr9.86457	Ube2cbp(+136857),Tpbg(+485913)	N/A
Chr9	86624262	86624468	Chr9.86847	A330041j22rk(-71208),Rwd2a(-52281)	N/A
Chr9	86624729	86624836	Chr9.86855	A330041j22rk(-70759),Rwd2a(+52730)	N/A
Chr9	86648361	86648511	Chr9.86864	A330041j22rk(-47106),Rwd2a(+76383)	N/A
Chr9	86744002	86744122	Chr9.86920	Pras35(+413)	N/A
Chr9	86746139	86746308	Chr9.86932	Pras35(+2575),Snap91(+134225)	N/A
Chr9	86989845	86987078	Chr9.87171	Snap91(-106563),Pippp2(-28525)	N/A
Chr9	87015239	87015458	Chr9.87186	Pippp2(-189)	N/A
Chr9	87295460	87295583	Chr9.87402	Cep162(-39988),Tbx18(+435738)	N/A
Chr9	87299031	87299156	Chr9.87408	Cep162(-43558),Tbx18(+432166)	N/A
Chr9	87313289	87313487	Chr9.87449	Cep162(-57852),Tbx18(+417872)	N/A
Chr9	87318794	87319154	Chr9.87457	Cep162(-63438),Tbx18(+412286)	N/A
Chr9	87367552	87387759	Chr9.87548	Cep162(-132120),Tbx18(+345494)	N/A
Chr9	87405518	87406894	Chr9.87568	Cep162(-151170),Tbx18(+324554)	N/A

Chr9	87412815	87413030	Chr9.87589	Cep162(-157387), Tbx18(+318337)	N/A
Chr9	87421347	87421647	Chr9.87622	Cep162(-165961), Tbx18(+309763)	N/A
Chr9	87422272	87422441	Chr9.87627	Cep162(-166621), Tbx18(+308903)	N/A
Chr9	87432086	87432323	Chr9.87638	Cep162(-171669), Tbx18(+299055)	N/A
Chr9	87618454	87618690	Chr9.87809	Cep162(-363036), Tbx18(+112688)	N/A
Chr9	87634276	87634483	Chr9.87832	Cep162(-378844), Tbx18(+96880)	N/A
Chr9	87682087	87682589	Chr9.87892	Cep162(-426802), Tbx18(+48922)	N/A
Chr9	16399049	16399249	Chr9.8796	Gm5611(-630874), Fat3(-20940)	N/A
Chr9	87727856	87728028	Chr9.87975	Cep162(-472406), Tbx18(+3318)	N/A
Chr9	87728433	87728670	Chr9.87979	Cep162(-473016), Tbx18(+2708)	N/A
Chr9	87731097	87731310	Chr9.87996	Tbx18(+56)	N/A
Chr9	87738900	87739173	Chr9.88010	Nl5e(-588572), Tbx18(-7777)	N/A
Chr9	87741948	87742054	Chr9.88015	Nl5e(-585608), Tbx18(-10741)	N/A
Chr9	87844011	87844287	Chr9.88097	Nl5e(-483460), Tbx18(-112889)	N/A
Chr9	87844467	87844637	Chr9.88098	Nl5e(-483057), Tbx18(-112929)	N/A
Chr9	87894061	87894521	Chr9.88157	Nl5e(-433318), Tbx18(-163031)	N/A
Chr9	87894577	87894689	Chr9.88159	Nl5e(-432976), Tbx18(-163373)	N/A
Chr9	87896181	87896291	Chr9.88166	Nl5e(-431373), Tbx18(-164976)	N/A
Chr9	87920893	87921115	Chr9.88209	Nl5e(-406005), Tbx18(-189744)	N/A
Chr9	87933167	87933366	Chr9.88232	Nl5e(-394342), Tbx18(-202007)	N/A
Chr9	87964031	87964140	Chr9.88256	Nl5e(-363523), Tbx18(-233626)	N/A
Chr9	87964454	87964565	Chr9.88259	Nl5e(-363099), Tbx18(-233250)	N/A
Chr9	87964785	87964889	Chr9.88263	Nl5e(-362772), Tbx18(-233577)	N/A
Chr9	87964956	87965093	Chr9.88267	Nl5e(-362584), Tbx18(-233765)	N/A
Chr9	87965380	87965673	Chr9.88270	Nl5e(-362082), Tbx18(-234267)	N/A
Chr9	87968443	87968597	Chr9.88277	Nl5e(-360989), Tbx18(-237268)	N/A
Chr9	87985578	87985851	Chr9.88309	Nl5e(-341894), Tbx18(-254455)	N/A
Chr9	88065285	88065730	Chr9.88404	Tbx18(-334248), Nl5e(-262101)	N/A
Chr9	88069444	88069610	Chr9.88416	Tbx18(-338267), Nl5e(-258082)	N/A
Chr9	88082913	88083249	Chr9.88438	Tbx18(-351821), Nl5e(-244528)	N/A
Chr9	88124739	88124897	Chr9.88487	Tbx18(-393558), Nl5e(-202791)	N/A
Chr9	88181201	88182023	Chr9.88529	Tbx18(-450352), Nl5e(-145997)	N/A
Chr9	88197171	88197549	Chr9.88547	Tbx18(-466100), Nl5e(-130249)	N/A
Chr9	16440608	16440714	Chr9.8877	Gm5611(-589384), Fat3(-62430)	N/A
Chr9	88480961	88481072	Chr9.88814	Snx14(-42066), Syncr1(+1538)	N/A
Chr9	88481104	88481355	Chr9.88817	Snx14(-42279), Syncr1(+1325)	N/A
Chr9	88483342	88483542	Chr9.88823	Syncr1(-722)	N/A
Chr9	89496769	89496938	Chr9.88907	Minr1(+126132), Mthfs(+285697)	N/A
Chr9	89798898	89799025	Chr9.89210	Rasgfr1(-110813), Ankrd34c(-60487)	N/A
Chr9	89799081	89799194	Chr9.89214	Rasgfr1(-110637), Ankrd34c(-60663)	N/A
Chr9	89908756	89909042	Chr9.89259	Rasgfr1(-976)	N/A
Chr9	89909520	89909626	Chr9.89261	Rasgfr1(-202)	N/A
Chr9	90268653	90268971	Chr9.89816	Tbc1d2b(-38857), Adamts7(+103934)	N/A
Chr9	16493233	16493444	Chr9.8991	Gm5611(-530661), Fat3(-121153)	N/A
Chr9	1649849	16499983	Chr9.8994	Gm5611(-530129), Fat3(-121685)	N/A
Chr9	90694440	90694605	Chr9.90051	Tbc1d2b(-423754), Zic1(+671245)	N/A
Chr9	91003655	91003783	Chr9.90204	Tbc1d2b(-732950), Zic1(+36249)	N/A
Chr9	91004096	91004096	Chr9.90208	Tbc1d2b(-733250), Zic1(+381149)	N/A
Chr9	91004808	91004978	Chr9.90305	Tbc1d2b(-734124), Zic1(+360875)	N/A
Chr9	91040552	91040703	Chr9.90348	Tbc1d2b(-769859), Zic1(+325140)	N/A
Chr9	91352837	91353018	Chr9.90570	Zic1(+12840)	N/A
Chr9	91359483	91359605	Chr9.90600	Zic1(+6224)	N/A
Chr9	91360093	91360428	Chr9.90603	Zic1(+5507)	N/A
Chr9	91361049	91361159	Chr9.90608	Zic1(+4664)	N/A
Chr9	91365284	91365428	Chr9.90623	Zic4(-3614), Zic1(+412)	N/A
Chr9	91365844	91366053	Chr9.90625	Zic4(-3021), Zic1(-181)	N/A
Chr9	91366654	91366783	Chr9.90630	Zic4(-2251), Zic1(-951)	N/A
Chr9	91368919	913689252	Chr9.90641	Zic1(-3318), Zic4(+116)	N/A
Chr9	91379953	91380198	Chr9.90688	Piscr5(-812860), Zic4(+11106)	N/A
Chr9	91380728	91380974	Chr9.90692	Piscr5(-812083), Zic4(+11881)	N/A
Chr9	91381185	91381325	Chr9.90697	Piscr5(-811681), Zic4(+12285)	N/A
Chr9	91386894	91387068	Chr9.90715	Piscr5(-805955), Zic4(+18011)	N/A
Chr9	91387108	91387260	Chr9.90716	Piscr5(-805752), Zic4(+18214)	N/A
Chr9	91445753	91445930	Chr9.90865	Piscr5(-747094), Zic4(-76872)	N/A
Chr9	91703704	91704312	Chr9.91138	Piscr5(-488928), Zic4(-335038)	N/A
Chr9	91803425	91803698	Chr9.91172	Piscr5(-389374), Zic4(+434592)	N/A
Chr9	92016770	92016900	Chr9.91315	Piscr5(-176101), Zic4(+647865)	N/A
Chr9	92541694	92541856	Chr9.91574	Ploc2(-489)	N/A
Chr9	92545314	92545430	Chr9.91580	Ploc2(+3108)	N/A
Chr9	92638886	92639401	Chr9.91610	Ploc2(+16590)	N/A
Chr9	92930677	92930962	Chr9.91759	Ploc2(-388568)	N/A
Chr9	94239588	94239807	Chr9.92198	Dipk2a(+298383)	N/A
Chr9	94410294	94410401	Chr9.92304	Dipk2a(+127733)	N/A
Chr9	94479610	94479939	Chr9.92351	Dipk2a(+58306)	N/A
Chr9	94481385	94481555	Chr9.92356	Dipk2a(+56611)	N/A
Chr9	94481867	94482165	Chr9.92361	Dipk2a(+56059)	N/A
Chr9	94528517	94526785	Chr9.92406	Dipk2a(+11430)	N/A
Chr9	94668700	94668923	Chr9.92465	Slc9a9(-1087)	N/A
Chr9	94668935	94669066	Chr9.92473	Slc9a9(-8)	N/A
Chr9	94749204	94749423	Chr9.92561	Slc9a9(+79405), Chst2(+657956)	N/A
Chr9	94750699	94750691	Chr9.92568	Slc9a9(+80671), Chst2(+656980)	N/A
Chr9	94942666	94942488	Chr9.92919	Slc9a9(+279457), Chst2(+457894)	N/A
Chr9	95072551	95072808	Chr9.92982	Chst2(+334590), Slc9a9(+402771)	N/A
Chr9	95072862	95073037	Chr9.92985	Chst2(+334320), Slc9a9(+403041)	N/A
Chr9	95073743	95073862	Chr9.92991	Chst2(+333467), Slc9a9(+403894)	N/A
Chr9	95078190	95078469	Chr9.92994	Chst2(+328940), Slc9a9(+408421)	N/A
Chr9	95149887	95150113	Chr9.93109	Chst2(+257270), Slc9a9(+480391)	N/A
Chr9	95168661	95168870	Chr9.93147	Chst2(+236504), Slc9a9(+498857)	N/A
Chr9	95180834	95181006	Chr9.93157	Chst2(+226350), Slc9a9(+511011)	N/A
Chr9	95181042	95181250	Chr9.93160	Chst2(+226124), Slc9a9(+511237)	N/A
Chr9	95185948	95186070	Chr9.93168	Chst2(+221261), Slc9a9(+516100)	N/A
Chr9	95211313	95211442	Chr9.93221	Chst2(+195892), Slc9a9(+541469)	N/A
Chr9	95323135	95323266	Chr9.93299	Chst2(+84049), Slc9a9(+653292)	N/A
Chr9	95323765	95323892	Chr9.93306	Chst2(+83441), Slc9a9(+653920)	N/A
Chr9	95457775	95457990	Chr9.93442	Chst2(-60613), U2surp(+54113)	N/A
Chr9	95488958	95489178	Chr9.93525	Chst2(-81798), U2surp(+22928)	N/A
Chr9	95550219	95550323	Chr9.93568	U2surp(-382765), Parg9(-8546)	N/A
Chr9	16908713	16908835	Chr9.9358	Fat3(-528543), Gm5611(-123271)	N/A
Chr9	16908999	16907019	Chr9.9361	Fat3(-528728), Gm5611(-123086)	N/A
Chr9	95637621	95637722	Chr9.93653	Pcolce2(+71)	N/A
Chr9	16988137	16988236	Chr9.9419	Fat3(-609956), Gm5611(-41858)	N/A
Chr9	16988268	16988496	Chr9.9421	Fat3(-610151), Gm5611(-41663)	N/A
Chr9	96197811	96197911	Chr9.94240	Tdp2(-61387), Gk5(+78486)	N/A
Chr9	96223085	96223208	Chr9.94245	Tdp2(-36101), Gk5(+103772)	N/A
Chr9	96258597	96258754	Chr9.94251	Tdp2(-572)	N/A
Chr9	96259141	96259342	Chr9.94254	Tdp2(-6)	N/A
Chr9	96259871	96260028	Chr9.94259	Tdp2(-702)	N/A
Chr9	96260304	96260444	Chr9.94262	Tdp2(+1126), Atp1b3(+103925)	N/A
Chr9	96398702	96398829	Chr9.94363	Atp1b3(-34467), Bc043934(+38668)	N/A
Chr9	96413051	96413192	Chr9.94373	Atp1b3(-48823), Bc043934(+24312)	N/A
Chr9	96436881	96437075	Chr9.94394	Bc043934(+456)	N/A
Chr9	96437852	96438148	Chr9.94397	Bc043934(-566)	N/A
Chr9	96451274	96451400	Chr9.94406	Bc043934(-13903), Rnf7(+27338)	N/A
Chr9	96583189	96583362	Chr9.94561	Rnf7(-104601), Rasa2(+48341)	N/A
Chr9	96618901	96619050	Chr9.94585	Rnf7(-140301), Rasa2(+12641)	N/A
Chr9	96632159	96632295	Chr9.94594	Rasa2(-610)	N/A
Chr9	96637284	96637406	Chr9.94596	Rasa2(-5728), E030011005nk(+115382)	N/A
Chr9	96696377	96696539	Chr9.94735	Rasa2(-64841), E030011005nk(+56269)	N/A
Chr9	96713223	96713334	Chr9.94742	Rasa2(-81662), E030011005nk(+39448)	N/A
Chr9	96721369	96721475	Chr9.94761	Rasa2(-89805), E030011005nk(+31305)	N/A
Chr9	96726054	96726212	Chr9.94784	Rasa2(-94516), E030011005nk(+26594)	N/A
Chr9	96728834	96728961	Chr9.94773	Rasa2(-97281), E030011005nk(+23829)	N/A
Chr9	96729047	96729165	Chr9.94777	Rasa2(-97489), E030011005nk(+23621)	N/A
Chr9	96730183	96730320	Chr9.94790	Rasa2(-98635), E030011005nk(+22475)	N/A
Chr9	96731572	96731842	Chr9.94800	Rasa2(-100090), E030011005nk(+21020)	N/A
Chr9	96731955	96732612	Chr9.94802	Rasa2(-100657), E030011005nk(+20453)	N/A
Chr9	96732776	96732937	Chr9.94805	Rasa2(-101240), E030011005nk(+19870)	N/A
Chr9	96736135	96736235	Chr9.94833	Rasa2(-104568), E030011005nk(+16542)	N/A
Chr9	96741287	96741386	Chr9.94844	Rasa2(-109720), E030011005nk(+11390)	N/A
Chr9	96752656	96752937	Chr9.94858	E030011005nk(-70), Zbtb38(+34)	N/A
Chr9	96854563	96854755	Chr9.94957	Zbtb38(-101828), Pxyip1(+34818)	N/A
Chr9	96957045	96957233	Chr9.95038	Gm10123(+61522), Spzb4(+61704)	N/A
Chr9	96966213	96966233	Chr9.95042	Spzb4(+56570), Gm10123(+66656)	N/A
Chr9	96972036	96972223	Chr9.95047	Spzb4(+46713), Gm10123(+76513)	N/A
Chr9	96987061	96987249	Chr9.95061	Spzb4(+31688), Gm10123(+91538)	N/A
Chr9	96991293	96991411	Chr9.95065	Spzb4(+427491), Gm10123(+95735)	N/A
Chr9	97013243	97013347	Chr9.95104	Spzb4(+55468), Gm10123(+117678)	N/A
Chr9	97018788	97018909	Chr9.95107	Spzb4(-6)	N/A

Chr9	97055934	97056103	Chr9.95114	<i>Spsb4(-37176), Slc25a3b(+55138)</i>	N/A
Chr9	97571111	97571262	Chr9.95550	<i>Trim42(-201229), Cistn2(+461994)</i>	N/A
Chr9	97638554	97638704	Chr9.95626	<i>Trim42(-268671), Cistn2(+394552)</i>	N/A
Chr9	97738967	97739149	Chr9.95762	<i>Trim42(-369100), Cistn2(+294123)</i>	N/A
Chr9	98020468	98020581	Chr9.96072	<i>Trim42(-650567), Cistn2(+12656)</i>	N/A
Chr9	98033181	98033296	Chr9.96090	<i>Cistn2(-58)</i>	N/A
Chr9	98329806	98330032	Chr9.96305	<i>Rbp1(-93042), Nmnat3(+33336)</i>	N/A
Chr9	98337963	98338337	Chr9.96309	<i>Rbp1(-84811), Nmnat3(+41567)</i>	N/A
Chr9	98367898	98368098	Chr9.96356	<i>Rbp1(-34919), Nmnat3(+91459)</i>	N/A
Chr9	98420333	98420521	Chr9.96394	<i>Rbp1(-2534)</i>	N/A
Chr9	98430789	98430938	Chr9.96413	<i>Rbp2(-59673), Rbp1(+7903)</i>	N/A
Chr9	98496935	98497096	Chr9.96446	<i>Rbp2(+6479), 4930579k19rik(+66595)</i>	N/A
Chr9	98538681	98538892	Chr9.96502	<i>4930579k19rik(+24824), Rbp2(+48250)</i>	N/A
Chr9	98561874	98562042	Chr9.96515	<i>Copb2(-1773), 4930579k19rik(+1653)</i>	N/A
Chr9	98616532	98616649	Chr9.96607	<i>Pr23a1(-225996), Mrps22(-14912)</i>	N/A
Chr9	98624933	98625057	Chr9.96618	<i>Pr23a1(-217592), Mrps22(-23316)</i>	N/A
Chr9	98630197	98630369	Chr9.96622	<i>Pr23a1(-212304), Mrps22(-28604)</i>	N/A
Chr9	98642260	98642383	Chr9.96640	<i>Pr23a1(-200265), Mrps22(-40643)</i>	N/A
Chr9	98647345	98647822	Chr9.96649	<i>Pr23a1(-195003), Mrps22(-45905)</i>	N/A
Chr9	98650681	98650872	Chr9.96659	<i>Pr23a1(-191810), Mrps22(-49099)</i>	N/A
Chr9	98653029	98653175	Chr9.96666	<i>Pr23a1(-189485), Mrps22(-51423)</i>	N/A
Chr9	98655299	98655425	Chr9.96670	<i>Pr23a1(-187225), Mrps22(-53683)</i>	N/A
Chr9	98671916	98672047	Chr9.96694	<i>Pr23a1(-170605), Mrps22(-70303)</i>	N/A
Chr9	98702144	98702284	Chr9.96701	<i>Pr23a1(-140373), Mrps22(-100535)</i>	N/A
Chr9	98702352	98702967	Chr9.96703	<i>Pr23a1(-139927), Mrps22(-100981)</i>	N/A
Chr9	98704600	98704600	Chr9.96708	<i>Pr23a1(-138083), Mrps22(-103825)</i>	N/A
Chr9	98705426	98705697	Chr9.96717	<i>Pr23a1(-137025), Mrps22(-103883)</i>	N/A
Chr9	98708116	98708276	Chr9.96728	<i>Pr23a1(-134391), Mrps22(-106517)</i>	N/A
Chr9	98709899	98710540	Chr9.96736	<i>Pr23a1(-132367), Mrps22(-108541)</i>	N/A
Chr9	98714783	98714908	Chr9.96745	<i>Pr23a1(-127741), Mrps22(-113167)</i>	N/A
Chr9	98722961	98723189	Chr9.96751	<i>Mrps22(-121396), Pr23a1(-119512)</i>	N/A
Chr9	98791738	98791952	Chr9.96773	<i>Mrps22(-190166), Pr23a1(-50742)</i>	N/A
Chr9	98800680	98800846	Chr9.96774	<i>Mrps22(-199084), Pr23a1(-41824)</i>	N/A
Chr9	98804267	98804599	Chr9.96780	<i>Mrps22(-202754), Pr23a1(-38154)</i>	N/A
Chr9	98805734	98805856	Chr9.96794	<i>Mrps22(-204116), Pr23a1(-36792)</i>	N/A
Chr9	98829651	98829872	Chr9.96811	<i>Mrps22(-228085), Pr23a1(-12823)</i>	N/A
Chr9	98933112	98933267	Chr9.96835	<i>Foxl2(-22471), 7420426k07rik(+30971)</i>	N/A
Chr9	98942745	98943063	Chr9.96848	<i>Foxl2(-12703), 7420426k07rik(+39785)</i>	N/A
Chr9	98962684	98962799	Chr9.96885	<i>Faim(-23631), Foxl2(+7135)</i>	N/A
Chr9	98973142	98973334	Chr9.96897	<i>Faim(-13135), Foxl2(+17631)</i>	N/A
Chr9	99008850	99008995	Chr9.96988	<i>Gm1123(-63233), Plk3cb(+41164)</i>	N/A
Chr9	99112589	99112729	Chr9.96994	<i>Gm1123(-76969), Plk3cb(+27428)</i>	N/A
Chr9	99132034	99132133	Chr9.97004	<i>Gm1123(-96394), Plk3cb(+8003)</i>	N/A
Chr9	99132269	99132390	Chr9.97005	<i>Gm1123(-96640), Plk3cb(+7757)</i>	N/A
Chr9	99138951	99139242	Chr9.97009	<i>Plk3cb(+990)</i>	N/A
Chr9	99428593	99428767	Chr9.97185	<i>Esy13(-70150), Mras(+8038)</i>	N/A
Chr9	99479040	99479171	Chr9.97231	<i>160002914rik(+22863), Amc8(+89793)</i>	N/A
Chr9	99799492	99799492	Chr9.97615	<i>Cldn18(-89235), Sox14(+78782)</i>	N/A
Chr9	99800004	99800123	Chr9.97621	<i>Cldn18(-90001), Sox14(+76106)</i>	N/A
Chr9	99814160	99814327	Chr9.97642	<i>Cldn18(-104181), Sox14(+61926)</i>	N/A
Chr9	99869272	99869453	Chr9.97698	<i>Cldn18(-159300), Sox14(+6807)</i>	N/A
Chr9	99872455	99872573	Chr9.97708	<i>Cldn18(-162451), Sox14(+3656)</i>	N/A
Chr9	99876141	99876292	Chr9.97729	<i>Sox14(-47)</i>	N/A
Chr9	99954745	99954964	Chr9.97754	<i>Sox14(-78865), Il20rb(+531933)</i>	N/A
Chr9	99967438	99967607	Chr9.97775	<i>Sox14(-111353), Il20rb(+499265)</i>	N/A
Chr9	99994384	99994825	Chr9.97779	<i>Sox14(-118435), Il20rb(+492183)</i>	N/A
Chr9	100041887	10004242	Chr9.97809	<i>Sox14(-165895), Il20rb(+444723)</i>	N/A
Chr9	100095431	100095789	Chr9.97855	<i>Sox14(-219430), Il20rb(+391188)</i>	N/A
Chr9	100272352	100272602	Chr9.98014	<i>Sox14(-396307), Il20rb(+214311)</i>	N/A
Chr9	100272652	100272817	Chr9.98015	<i>Sox14(-396569), Il20rb(+214053)</i>	N/A
Chr9	100439254	100439445	Chr9.98161	<i>Sox14(-563180), Il20rb(+47438)</i>	N/A
Chr9	100439876	100440152	Chr9.98166	<i>Sox14(-563844), Il20rb(+46774)</i>	N/A
Chr9	100446334	100446505	Chr9.98179	<i>Sox14(-570250), Il20rb(+40368)</i>	N/A
Chr9	100506699	100506932	Chr9.98244	<i>Il20rb(-20023), Nck1(+39242)</i>	N/A
Chr9	100546018	100546186	Chr9.98253	<i>Nck1(-49)</i>	N/A
Chr9	100560603	100560795	Chr9.98273	<i>Nck1(-14646), Slc35g2(+10386)</i>	N/A
Chr9	100606119	100606268	Chr9.98292	<i>Stag1(-37254), Slc35g2(-35109)</i>	N/A
Chr9	100643542	100643669	Chr9.98303	<i>Stag1(+158)</i>	N/A
Chr9	100644483	100644601	Chr9.98308	<i>Stag1(+1094), Pccb(+390356)</i>	N/A
Chr9	101073761	101073884	Chr9.98438	<i>Msl2(-904)</i>	N/A
Chr9	101074031	101074153	Chr9.98441	<i>Msl2(-635)</i>	N/A
Chr9	101198619	101198793	Chr9.98523	<i>Ppp23a(+53126), Msl2(+123979)</i>	N/A
Chr9	101251212	101251366	Chr9.98575	<i>Ppp23a(+543)</i>	N/A
Chr9	101262166	101262299	Chr9.98579	<i>9630041a04rik(-676248), Ppp23a(-10401)</i>	N/A
Chr9	101265680	101265953	Chr9.98587	<i>9630041a04rik(-672664), Ppp23a(-13985)</i>	N/A
Chr9	101411295	101411467	Chr9.98753	<i>9630041a04rik(-527100), Ppp23a(-159549)</i>	N/A
Chr9	101472052	101472153	Chr9.98841	<i>9630041a04rik(-466378), Ppp23a(-220271)</i>	N/A
Chr9	101501768	101501962	Chr9.98876	<i>9630041a04rik(-436616), Ppp23a(-250033)</i>	N/A
Chr9	101555174	101555379	Chr9.98941	<i>9630041a04rik(-383204), Ppp23a(-303445)</i>	N/A
Chr9	101690352	101690479	Chr9.99053	<i>Ppp23a(-438584), 9630041a04rik(-248065)</i>	N/A
Chr9	101729539	101729739	Chr9.99095	<i>Ppp23a(-477807), 9630041a04rik(-208942)</i>	N/A
Chr9	101733980	101733980	Chr9.99101	<i>Ppp23a(-462050), 9630041a04rik(-204589)</i>	N/A
Chr9	101807320	101807494	Chr9.99131	<i>Ppp23a(-555575), 9630041a04rik(-131074)</i>	N/A
Chr9	101934153	101934394	Chr9.99291	<i>9630041a04rik(-4207)</i>	N/A
Chr9	102046056	102046197	Chr9.99492	<i>9630041a04rik(+107648), Ephb1(+308566)</i>	N/A
Chr9	102180758	102180868	Chr9.99656	<i>Ephb1(+173880), 9630041a04rik(+242332)</i>	N/A
Chr9	102182031	102182144	Chr9.99664	<i>Ephb1(+172605), 9630041a04rik(+243607)</i>	N/A
Chr9	102183833	102184062	Chr9.99666	<i>Ephb1(+170745), 9630041a04rik(+245467)</i>	N/A
Chr9	102189348	102189461	Chr9.99672	<i>Ephb1(+165288), 9630041a04rik(+250924)</i>	N/A
Chr9	102193428	102193652	Chr9.99690	<i>Ephb1(+161153), 9630041a04rik(+255059)</i>	N/A
Chr9	102194241	102194383	Chr9.99696	<i>Ephb1(+160381), 9630041a04rik(+255831)</i>	N/A
Chr9	102211462	102211673	Chr9.99723	<i>Ephb1(+143115), 9630041a04rik(+273097)</i>	N/A
Chr9	102231304	102231443	Chr9.99738	<i>Ephb1(+123319), 9630041a04rik(+292893)</i>	N/A
Chr9	102307837	102307991	Chr9.99829	<i>Ephb1(+46779), 9630041a04rik(+369433)</i>	N/A
Chr9	102352042	102352149	Chr9.99888	<i>Ephb1(+2597), 9630041a04rik(+413615)</i>	N/A
Chr9	102424700	102424954	Chr9.99926	<i>Kyl(-81311), Ephb1(-70134)</i>	N/A
Chr9	102511510	102511643	Chr9.99978	<i>Kyl(+5439), Cep63(+114547)</i>	N/A

Supplemental Table S4: VISTA head enhancers

Mouse chromosome	Element Start	Element End	UCSC bracketing genes	VISTA enhancer ID
Chr1	98187842	98193251	<i>1810006j02rik, Slco6d1</i>	hs1649
Chr1	109514249	109514854	<i>Serpinb8, Cdh7</i>	hs947
Chr1	12509176	12511893	<i>A830018l16rik, 4932411l15</i>	mm1416
Chr1	118776526	118778049	<i>Tfcp2l1, Gli2</i>	hs522
Chr1	127554365	127556879	<i>Tmem163(INTRAGENIC)</i>	mm790
Chr1	132332670	132334462	<i>Nuak2, Tmcc2</i>	mm505
Chr1	133079893	133080922	<i>Pik3c2b(INTRAGENIC)</i>	hs1368
Chr1	133180668	133184217	<i>Ppp1r15b, Plekha6</i>	mm971
Chr1	133185980	133189493	<i>Ppp1r15b, Plekha6</i>	mm1460
Chr1	134060554	134066172	<i>Fmod, Btg2</i>	mm1445
Chr1	135274615	135277266	<i>Rnpep(INTRAGENIC)</i>	hs2572
Chr1	137378153	137379482	<i>Nr5a2, Mir181a-1</i>	mm1732
Chr1	138499159	138501331	<i>Nek7(INTRAGENIC)</i>	hs1322
Chr1	158265467	158268046	<i>Brinp2(INTRAGENIC)</i>	mm1369
Chr1	162830457	162833967	<i>Fmo1(INTRAGENIC)</i>	mm713
Chr1	165934234	165936307	<i>Pou2f1, Dusp27</i>	hs1331
Chr1	166047478	166050879	<i>Pou2f1, Dusp27</i>	mm757
Chr1	168168619	168170073	<i>Pbx1(INTRAGENIC)</i>	hs1191
Chr1	168341597	168342833	<i>Pbx1(INTRAGENIC)</i>	hs1235
Chr1	168357093	168358535	<i>Pbx1(INTRAGENIC)</i>	hs1202
Chr1	169385394	169386297	<i>Pbx1, Nuf2</i>	hs762
Chr1	172015769	172018782	<i>Vangl2(INTRAGENIC)</i>	mm1677
Chr1	177150037	177151455	<i>Akt3(INTRAGENIC)</i>	hs545
Chr1	182109962	182112053	<i>Enah, Srp9</i>	hs2374
Chr1	184041270	184042762	<i>Dusp10(INTRAGENIC)</i>	mm134
Chr1	186922310	186923505	<i>Rrp15, D1pas1</i>	hs1257
Chr1	187907529	187909056	<i>Esrrg(INTRAGENIC)</i>	mm111
Chr1	19106734	19107712	<i>Tfap2d(INTRAGENIC)</i>	hs865
Chr1	19699458	19700530	<i>Tfap2b, Pkhd1</i>	hs217
Chr1	189187274	189188601	<i>Kctd3, Kcnk2</i>	mm119
Chr1	190653740	190655122	<i>Prox1, Rps6kc1</i>	hs204
Chr1	190727303	190730173	<i>Prox1, Rps6kc1</i>	hs1324
Chr1	191239014	191241717	<i>Atf3, Nenf</i>	hs2089
Chr1	192798093	192800700	<i>Hhat, 1700065j18rik</i>	mm646
Chr1	193141048	193141723	<i>Utp25, Irf6</i>	hs932
Chr1	193449329	193450185	<i>Camk1g, Mir205</i>	mm935
Chr1	20919958	20922635	<i>Paqr8(INTRAGENIC)</i>	hs2064
Chr1	39945610	39950472	<i>Map4k4(INTRAGENIC)</i>	mm1333
Chr1	41143599	41146576	<i>Tmem182, 4930448i06rik</i>	hs1581
Chr1	41165839	41167312	<i>Tmem182, 4930448i06rik</i>	hs1093
Chr1	41274476	41276046	<i>4930448i06rik, 2610017i09rik</i>	mm1643
Chr1	41274880	41276860	<i>4930448i06rik, 2610017i09rik</i>	hs1112
Chr1	41388600	41391399	<i>4930448i06rik, 2610017i09rik</i>	hs1555
Chr1	41558535	41559896	<i>4930448i06rik, 2610017i09rik</i>	hs1147
Chr1	41603694	41607210	<i>4930448i06rik, 2610017i09rik</i>	hs1526
Chr1	41812941	41815356	<i>4930448i06rik, 2610017i09rik</i>	hs1529
Chr1	41917498	41920605	<i>4930448i06rik, 2610017i09rik</i>	hs1303
Chr1	41935261	41937041	<i>4930448i06rik, 2610017i09rik</i>	hs1554
Chr1	41981432	41982259	<i>4930448i06rik, 2610017i09rik</i>	hs401

Chr1	42242415	42244647	4930448i06rik,2610017i09rik	hs1131
Chr1	42255267	42258543	4930448i06rik,2610017i09rik	hs1534
Chr1	42365768	42366767	4930448i06rik,2610017i09rik	hs702
Chr1	42538719	42541030	4930448i06rik,2610017i09rik	hs969
Chr1	42690175	42692711	2610017i09rik(INTRAGENIC)	hs1553
Chr1	42740655	42742396	2900092d14rik,Mrps9	hs990
Chr1	42888323	42889246	Mrps9(INTRAGENIC)	hs868
Chr1	56286330	56287543	9130227i01rik,Hsfy2	mm613
Chr1	59340862	59342046	Cdk15(INTRAGENIC)	mm489
Chr1	6729232	6730317	St18(INTRAGENIC)	hs698
Chr1	61202202	61204582	Icos,9530026f06rik	mm1601
Chr1	63993294	63996572	Gm13749,Klf7	mm997
Chr1	67794929	67796464	Cps1,ErbB4	mm148
Chr1	68045929	68048127	ErbB4(INTRAGENIC)	hs1578
Chr1	74030234	74032407	Tns1(INTRAGENIC)	hs1764
Chr1	74110236	74112663	Tns1(INTRAGENIC)	mm1630
Chr1	75288287	75291172	Resp18,Dnpep	mm1372
Chr1	75660753	75663254	Slc4a3,Gm17751	mm1045
Chr1	75832718	75835169	Slc4a3,Gm17751	hs1635
Chr1	75882677	75886487	Slc4a3,Gm17751	mm1046
Chr1	9648223	9650965	Vxn,Mybl1	mm1546
Chr1	89713750	89714911	4933400f21rik,Gbx2	hs521
Chr1	89847708	89849945	4933400f21rik,Gbx2	hs921
Chr1	89925517	89926000	4933400f21rik,Gbx2	hs249
Chr1	91208179	91212308	Ramp1(INTRAGENIC)	hs1968
Chr1	91962928	91965960	Hdac4(INTRAGENIC)	mm901
Chr1	92785614	92789442	Otos,Gpc1	hs1937
Chr1	92789102	92792922	Otos,Gpc1	mm1063
Chr1	97538497	97542741	Slco6c1,D1ertd622e	mm1317
Chr10	119760179	119762863	4930564g21rik,Grip1	hs1498
Chr10	120551958	120553597	Mir763,4921513i03rik	mm569
Chr10	120646043	120649455	Mir763,4921513i03rik	mm1003
Chr10	125809054	125811061	Slc16a7,Lrig3	hs1427
Chr10	17228735	17232666	Gm20125,Cited2	hs1644
Chr10	21081770	21084133	Ahi1,Myb	hs1351
Chr10	36483581	36486087	Frk,Hs3st5	mm693
Chr10	38552269	38556079	Marcks,Rfpl4b	hs1302
Chr10	39657714	39664005	E130307a14rik(INTRAGENIC)	hs1690
Chr10	43746138	43746678	F830002i21rik,Qrs1	mm228
Chr10	50901664	50902602	Sim1(INTRAGENIC)	hs2319
Chr10	51257066	51258554	Sim1,Lilr4b	hs576
Chr10	52741812	52745154	Slc35f1(INTRAGENIC)	mm782
Chr10	60813778	60816843	Unc5b(INTRAGENIC)	mm1663
Chr10	67001918	67005347	1700023f02rik,Reep3	mm1692
Chr10	87292836	87293886	1700113h08rik,Ascl1	hs1723
Chr10	87324267	87326929	1700113h08rik,Ascl1	hs1575
Chr10	87388706	87389893	1700113h08rik,Ascl1	hs967
Chr10	87445159	87449773	1700113h08rik,Ascl1	hs1540
Chr10	87446548	87449489	1700113h08rik,Ascl1	hs1354
Chr10	87446634	87448659	1700113h08rik,Ascl1	hs998
Chr10	87473282	87474591	1700113h08rik,Ascl1	hs1114

Chr10	87500258	87501668 <i>Ascl1, Pah</i>	hs1122
Chr10	87868234	87870738 <i>Igf1</i> (INTRAGENIC)	mm694
Chr10	92555726	92557808 <i>Loc627800, Nedd1</i>	hs1341
Chr11	103840623	103842229 <i>Nsf</i> (INTRAGENIC)	mm1102
Chr11	104642398	104643585 <i>Itgb3</i> (INTRAGENIC)	hs2033
Chr11	109269057	109271054 <i>Rgs9</i> (INTRAGENIC)	hs1517
Chr11	111568522	111569439 <i>Kcnj2, Bc006965</i>	mm628
Chr11	112411865	112413667 <i>Kcnj2, Bc006965</i>	mm634
Chr11	112780251	112781039 <i>Bc006965, Sox9</i>	mm635
Chr11	113013633	113014961 <i>Sox9, 2610035d17rik</i>	mm636
Chr11	113182045	113186184 <i>2610035d17rik</i> (INTRAGENIC)	mm1766
Chr11	113307639	113310548 <i>Slc39a11</i> (INTRAGENIC)	mm1526
Chr11	113783367	113787793 <i>Sdk2</i> (INTRAGENIC)	mm1462
Chr11	114335575	114337612 <i>1700092k14rik, 4932435o22rik</i>	mm998
Chr11	117343025	117348116 <i>Sept9</i> (INTRAGENIC)	mm1309
Chr11	117865410	117867678 <i>Cldn27, Tha1</i>	mm780
Chr11	118238372	118241185 <i>Cyth1</i> (INTRAGENIC)	mm1622
Chr11	120314873	120317426 <i>Bahcc1, Actg1</i>	mm1481
Chr11	16558869	16559788 <i>Sec61g, Egfr</i>	mm1103
Chr11	17184831	17192556 <i>Ppp3r1</i> (INTRAGENIC)	hs2040
Chr11	17449238	17451378 <i>C1d, Etaa1</i>	mm1290
Chr11	18356946	18358282 <i>Etaa1, Meis1</i>	hs831
Chr11	18604266	18605268 <i>Etaa1, Meis1</i>	hs1244
Chr11	18916164	18918730 <i>Meis1</i> (INTRAGENIC)	hs1210
Chr11	22002480	22003824 <i>Otx1, Ehbp1</i>	hs1066
Chr11	22078416	22079452 <i>Ehbp1</i> (INTRAGENIC)	hs690
Chr11	24015166	24017101 <i>Papolg, Bcl11a</i>	hs1142
Chr11	24095054	24096665 <i>Bcl11a</i> (INTRAGENIC)	hs957
Chr11	24329867	24333908 <i>Bcl11a, 4933430m04rik</i>	hs1535
Chr11	24370835	24371855 <i>Bcl11a, 4933430m04rik</i>	hs399
Chr11	24427204	24428274 <i>Bcl11a, 4933430m04rik</i>	hs779
Chr11	25113307	25113939 <i>Gm10466, 4933427e13rik</i>	hs394
Chr11	25287254	25288542 <i>Gm10466, 4933427e13rik</i>	hs836
Chr11	25356345	25357682 <i>4933427e13rik</i> (INTRAGENIC)	hs1119
Chr11	25529955	25531889 <i>4933427e13rik, 5730522e02rik</i>	hs975
Chr11	25644060	25645642 <i>5730522e02rik</i> (INTRAGENIC)	hs393
Chr11	25872524	25873791 <i>5730522e02rik</i> (INTRAGENIC)	hs1067
Chr11	26072119	26072975 <i>5730522e02rik</i> (INTRAGENIC)	hs1071
Chr11	26120371	26122138 <i>5730522e02rik</i> (INTRAGENIC)	hs1174
Chr11	26489088	26491733 <i>Vrk2</i> (INTRAGENIC)	mm57
Chr11	26772020	26774013 <i>Vrk2, Gm12070</i>	mm1555
Chr11	33299598	33301607 <i>Ranbp17</i> (INTRAGENIC)	hs278
Chr11	33392412	33393558 <i>Ranbp17</i> (INTRAGENIC)	hs693
Chr11	33399828	33401076 <i>Ranbp17</i> (INTRAGENIC)	hs608
Chr11	44625594	44626697 <i>Ebf1</i> (INTRAGENIC)	hs1123
Chr11	44634332	44635609 <i>Ebf1</i> (INTRAGENIC)	hs1117
Chr11	44656475	44657869 <i>Ebf1</i> (INTRAGENIC)	hs1022
Chr11	44799727	44801437 <i>Ebf1</i> (INTRAGENIC)	hs230
Chr11	44987161	44988462 <i>Ebf1</i> (INTRAGENIC)	hs813
Chr11	45136390	45137667 <i>Gm12159, F630206g17rik</i>	hs1208
Chr11	46201358	46203267 <i>Cyfp2</i> (INTRAGENIC)	mm102

Chr11	54056663	54059415 <i>Pdlim4</i> (INTRAGENIC)	mm51
Chr11	57927590	57931336 <i>Hand1,Larp1</i>	mm849
Chr11	62965778	62968280 <i>Cdrt4</i> (INTRAGENIC)	mm1530
Chr11	62983404	62986950 <i>Cdrt4</i> (INTRAGENIC)	mm62
Chr11	64898596	64900939 <i>Hs3st3a1,Elac2</i>	hs1497
Chr11	77906010	77907728 <i>Pipox,Gm11190</i>	mm981
Chr11	81612790	81613808 <i>1700071k01rik,5530401a14rik</i>	hs1725
Chr11	84496288	84496920 <i>Aatf</i> (INTRAGENIC)	hs363
Chr11	85857229	85860254 <i>Tbx2,Tbx4</i>	mm1583
Chr11	87422350	87423713 <i>Tex14</i> (INTRAGENIC)	mm264
Chr11	88274079	88276075 <i>Mrps23,Ccdc182</i>	mm439
Chr11	94158655	94162177 <i>Spag9,Tob1</i>	mm1496
Chr11	94880928	94883811 <i>Gm11544,Col1a1</i>	mm568
Chr11	96741475	96742608 <i>Skap1</i> (INTRAGENIC)	hs697
Chr11	96872256	96874454 <i>Mir152,Cdk5rap3</i>	mm1299
Chr11	96883318	96887851 <i>Mir152,Cdk5rap3</i>	mm876
Chr11	96885199	96888165 <i>Mir152,Cdk5rap3</i>	mm999
Chr11	96901713	96904671 <i>Mir152,Cdk5rap3</i>	mm1675
Chr11	98339002	98339485 <i>Neurod2,Ppp1r1b</i>	hs627
Chr11	98496959	98498735 <i>Ikzf3</i> (INTRAGENIC)	mm503
Chr12	99338620	99341271 <i>Foxn3</i> (INTRAGENIC)	mm12
Chr12	102697627	102698772 <i>Mir1936,Moap1</i>	mm491
Chr12	105972686	105975121 <i>Papola,Vrk1</i>	mm1604
Chr12	107777918	107778911 <i>4930465m20rik,Bcl11b</i>	hs622
Chr12	109507924	109510969 <i>Dlk1,Meg3</i>	mm799
Chr12	109946504	109950294 <i>Mir3072,3110009f21rik</i>	mm1456
Chr12	111142738	111143613 <i>Rcor1,Traf3</i>	mm3
Chr12	111691971	111695499 <i>Trmt61a,Bag5</i>	mm1606
Chr12	117805673	117806846 <i>Rapgef5,Cdca7l</i>	hs807
Chr12	117989130	117989689 <i>Dnah11</i> (INTRAGENIC)	hs294
Chr12	118647247	118648361 <i>D230030e09rik,Sp8</i>	hs701
Chr12	118650488	118651732 <i>D230030e09rik,Sp8</i>	hs1226
Chr12	118719668	118721135 <i>D230030e09rik,Sp8</i>	hs110
Chr12	118725449	118726903 <i>D230030e09rik,Sp8</i>	hs1007
Chr12	12707412	12712118 <i>4921511i17rik,Mycn</i>	mm1310
Chr12	118834480	118836076 <i>D230030e09rik,Sp8</i>	hs1019
Chr12	118840044	118841444 <i>D230030e09rik,Sp8</i>	hs844
Chr12	25123955	25126084 <i>Id2,Gm17746</i>	hs1527
Chr12	25891576	25892364 <i>Gm17746,4930480m12rik</i>	hs388
Chr12	27060074	27063099 <i>Cmpk2,Gm20187</i>	mm1609
Chr12	27563452	27566844 <i>Sox11,Dcdc2c</i>	hs1496
Chr12	28816804	28818905 <i>Eipr1</i> (INTRAGENIC)	hs1385
Chr12	31309963	31311477 <i>Lamb1</i> (INTRAGENIC)	hs2081
Chr12	34199630	34200876 <i>Twist1,Hdac9</i>	hs644
Chr12	34215261	34216362 <i>Twist1,Hdac9</i>	hs2307
Chr12	38435534	38436644 <i>Dgkb</i> (INTRAGENIC)	hs816
Chr12	39301104	39302161 <i>Etv1,Arl4a</i>	hs550
Chr12	39341789	39342579 <i>Etv1,Arl4a</i>	hs749
Chr12	44402519	44405770 <i>Nrcam</i> (INTRAGENIC)	mm16
Chr12	46020363	46021772 <i>Stxbp6,Nova1</i>	hs428
Chr12	5266438	5269568 <i>Klhl29</i> (INTRAGENIC)	mm1338

Chr12	49374505	49376068	<i>Nova1,Foxg1</i>	hs1064
Chr12	49944709	49946539	<i>1810007c17rik,Prkd1</i>	hs566
Chr12	49973353	49975979	<i>1810007c17rik,Prkd1</i>	hs1539
Chr12	49991792	49994219	<i>1810007c17rik,Prkd1</i>	hs1168
Chr12	50119059	50121598	<i>1810007c17rik,Prkd1</i>	hs1523
Chr12	50121579	50123529	<i>1810007c17rik,Prkd1</i>	hs342
Chr12	50190555	50191885	<i>1810007c17rik,Prkd1</i>	hs598
Chr12	51001401	51003291	<i>Prkd1,G2e3</i>	hs433
Chr12	55614270	55615258	<i>Ralgapa1(INTRAGENIC)</i>	hs348
Chr12	56386861	56388474	<i>Mbip,E030019b13rik</i>	hs592
Chr12	56458078	56460488	<i>Mbip,E030019b13rik</i>	hs1538
Chr12	56481967	56483344	<i>Mbip,E030019b13rik</i>	hs704
Chr12	56520183	56521029	<i>E030019b13rik(INTRAGENIC)</i>	hs1166
Chr12	57291377	57292384	<i>Mipol1(INTRAGENIC)</i>	hs593
Chr12	71532268	71534767	<i>Dact1,4930404h11rik</i>	mm795
Chr12	73050612	73052572	<i>Six1,Six4</i>	hs1602
Chr12	8385675	8387404	<i>Hs1bp3,Rhob</i>	hs2384
Chr12	79731439	79734658	<i>Rad51l1(INTRAGENIC)</i>	hs1688
Chr12	79846272	79849070	<i>Rad51l1,Zfp36l1</i>	hs1616
Chr12	79923762	79926852	<i>Rad51l1,Zfp36l1</i>	mm1611
Chr12	79968630	79971892	<i>Rad51l1,Zfp36l1</i>	mm1359
Chr12	80059965	80065110	<i>Rad51l1,Zfp36l1</i>	mm1469
Chr12	83072395	83074413	<i>1700085c21rik,Dpf3</i>	mm78
Chr12	84175691	84176743	<i>C130039o16rik(INTRAGENIC)</i>	mm529
Chr12	86800572	86803602	<i>Lrrc74a,6430527g18rik</i>	hs1466
Chr12	86822930	86827112	<i>Lrrc74a,6430527g18rik</i>	mm1444
Chr12	9337517	9339601	<i>Ttc32,1700022h16rik</i>	hs1273
Chr12	88983898	88984926	<i>Nrxn3(INTRAGENIC)</i>	mm296
Chr12	90131977	90133515	<i>Nrxn3(INTRAGENIC)</i>	hs1369
Chr12	91677577	91681083	<i>Ston2(INTRAGENIC)</i>	mm815
Chr13	105537275	105539272	<i>Htr1a,lpo11</i>	mm5
Chr13	111952900	111955571	<i>Map3k1,Ankrd55</i>	mm45
Chr13	111989320	111993362	<i>Map3k1,Ankrd55</i>	hs1638
Chr13	115686619	115688040	<i>Pelo,Is1</i>	mm933
Chr13	115976803	115978241	<i>Pelo,Is1</i>	hs543
Chr13	116086721	116088319	<i>Pelo,Is1</i>	hs1419
Chr13	116497241	116498253	<i>Is1,Parp8</i>	hs586
Chr13	116514002	116515994	<i>Is1,Parp8</i>	hs1321
Chr13	116575049	116576418	<i>Is1,Parp8</i>	hs1187
Chr13	116632748	116634332	<i>Is1,Parp8</i>	hs215
Chr13	118515838	118517025	<i>Mrps30,1700003p14rik</i>	mm463
Chr13	118735524	118737413	<i>Fgf10(INTRAGENIC)</i>	mm917
Chr13	118850473	118851390	<i>Fgf10,Nnt</i>	mm605
Chr13	12131518	12133920	<i>Ryr2,Gm10336</i>	hs2137
Chr13	12502078	12504879	<i>Edaradd(INTRAGENIC)</i>	mm1376
Chr13	15485450	15487168	<i>Gli3(INTRAGENIC)</i>	hs1213
Chr13	15543030	15545007	<i>Gli3(INTRAGENIC)</i>	hs111
Chr13	15664354	15665305	<i>Gli3(INTRAGENIC)</i>	mm652
Chr13	26153953	26156126	<i>Gm11351,1700092e19rik</i>	hs1352
Chr13	28415132	28417928	<i>Prl5a1,2610307p16rik</i>	hs1335
Chr13	28717646	28719441	<i>2610307p16rik(INTRAGENIC)</i>	mm265

Chr13	29609186	29611829 <i>Cdkal1</i> (INTRAGENIC)	hs1340
Chr13	3741069	3744545 <i>Asb13, Calml3</i>	mm41
Chr13	34147928	34150988 <i>Tubb2b, Psmg4</i>	mm1605
Chr13	34247185	34249843 <i>Slc22a23</i> (INTRAGENIC)	hs1391
Chr13	34285394	34290493 <i>Slc22a23</i> (INTRAGENIC)	mm1307
Chr13	37310966	37313810 <i>F13a1, Ly86</i>	mm979
Chr13	37877817	37879534 <i>Rreb1</i> (INTRAGENIC)	hs2061
Chr13	39523268	39524849 <i>Slc35b3, Ofcc1</i>	hs1315
Chr13	39876693	39879433 <i>Slc35b3, Ofcc1</i>	mm1403
Chr13	46571320	46574349 <i>Cap2</i> (INTRAGENIC)	mm132
Chr13	47310584	47312217 <i>Rnf144b, G630093k05rik</i>	hs1052
Chr13	48158420	48162088 <i>4931429p17rik, Id4</i>	hs1533
Chr13	48383545	48384932 <i>A330048o09rik, Zfp169</i>	hs1175
Chr13	48779624	48781302 <i>Barx1, Phf2</i>	mm922
Chr13	51919913	51922132 <i>Gadd45g, 4921525o09rik</i>	mm1565
Chr13	51920205	51921621 <i>Gadd45g, 4921525o09rik</i>	hs1339
Chr13	53463203	53464849 <i>Gm2762, Msx2</i>	hs1256
Chr13	55404361	55407564 <i>Slc34a1</i> (INTRAGENIC)	hs2229
Chr13	59090184	59094158 <i>Ntrk2, Agtpbp1</i>	mm14
Chr13	60145681	60149199 <i>A530065n20, Gas1</i>	mm745
Chr13	63554160	63555734 <i>Ptch1</i> (INTRAGENIC)	hs1258
Chr13	63568917	63569745 <i>Ptch1, 0610007p08rik</i>	hs1417
Chr13	63625944	63628451 <i>Ptch1, 0610007p08rik</i>	mm702
Chr13	72028466	72029899 <i>lrx1, Gm20554</i>	hs261
Chr13	72288437	72289483 <i>lrx1, Gm20554</i>	hs754
Chr13	72297848	72299335 <i>lrx1, Gm20554</i>	hs533
Chr13	72302372	72303422 <i>lrx1, Gm20554</i>	hs603
Chr13	73033138	73036182 <i>D730050b12rik, lrx4</i>	hs1327
Chr13	73116617	73118032 <i>D730050b12rik, lrx4</i>	hs633
Chr13	76809879	76811879 <i>Mctp1</i> (INTRAGENIC)	mm1556
Chr13	77546465	77549738 <i>2210408i21rik</i> (INTRAGENIC)	mm881
Chr13	77892212	77893533 <i>Fam172a</i> (INTRAGENIC)	hs271
Chr13	78323865	78325614 <i>A830082k12rik, Arrdc3</i>	hs546
Chr13	78580584	78582512 <i>A830082k12rik, Arrdc3</i>	hs1172
Chr13	78600965	78603744 <i>A830082k12rik, Arrdc3</i>	hs1060
Chr13	78677945	78679173 <i>A830082k12rik, Arrdc3</i>	hs1170
Chr13	78937242	78939009 <i>A830082k12rik, Arrdc3</i>	hs1024
Chr13	79046725	79047912 <i>A830082k12rik, Arrdc3</i>	hs1153
Chr13	79136177	79138027 <i>A830082k12rik, Arrdc3</i>	hs1079
Chr13	79276255	79278384 <i>A830082k12rik, Arrdc3</i>	hs1039
Chr13	79344817	79346717 <i>A830082k12rik, Arrdc3</i>	hs971
Chr13	79387206	79390321 <i>A830082k12rik, Arrdc3</i>	hs1577
Chr13	79999668	80001749 <i>A830082k12rik, Arrdc3</i>	hs952
Chr13	80196157	80196965 <i>A830082k12rik, Arrdc3</i>	hs682
Chr13	80235007	80236097 <i>A830082k12rik, Arrdc3</i>	hs1227
Chr13	80513987	80516010 <i>A830082k12rik, Arrdc3</i>	hs191
Chr13	80622907	80623514 <i>A830082k12rik, Arrdc3</i>	hs269
Chr13	82971258	82972346 <i>Cetn3, Mef2c</i>	hs789
Chr13	84058231	84061074 <i>2810049e08rik, Tmem161b</i>	mm1660
Chr13	84059503	84060615 <i>2810049e08rik, Tmem161b</i>	hs268
Chr13	84570408	84572167 <i>Tmem161b, Ccnh</i>	hs267

Chr13	84638983	84639970 <i>Tmem161b,Ccnh</i>	hs266
Chr13	84751364	84753074 <i>Tmem161b,Ccnh</i>	hs853
Chr13	84781785	84785966 <i>Tmem161b,Ccnh</i>	mm1334
Chr13	94705527	94708908 <i>Ap3b1,Tbca</i>	hs1783
Chr13	94868895	94869433 <i>Tbca,Otp</i>	hs262
Chr13	97891622	97893965 <i>Gm5086,Rgnef</i>	mm1001
Chr14	103763360	103764966 <i>4921525b02rik,Ednrb</i>	hs1394
Chr14	104297360	104298672 <i>4930432j09rik,Pou4f1</i>	hs915
Chr14	105376563	105379035 <i>Ndfip2,5430440p10rik</i>	hs1471
Chr14	105482173	105484963 <i>5430440p10rik,4930449e01rik</i>	mm1111
Chr14	105571300	105573847 <i>4930449e01rik,Spry2</i>	mm1112
Chr14	105979372	105980837 <i>Spry2,Trim52</i>	mm1114
Chr14	118193836	118195430 <i>Gpr180,Sox21</i>	hs796
Chr14	118229617	118231411 <i>Gpr180,Sox21</i>	hs488
Chr14	118435485	118436834 <i>1700044c05rik,Abcc4</i>	hs341
Chr14	118435538	118436865 <i>1700044c05rik,Abcc4</i>	hs189
Chr14	12337474	12338440 <i>3830406c13rik,Fezf2</i>	hs434
Chr14	12346491	12347182 <i>Fezf2,Cadps</i>	hs435
Chr14	12392521	12394811 <i>Cadps(INTRAGENIC)</i>	hs1316
Chr14	13770324	13771435 <i>Sntn,Thoc7</i>	hs1387
Chr14	19984462	19988065 <i>Gng2,1810063b07rik</i>	mm1498
Chr14	20890796	20893474 <i>Plau,Vcl</i>	hs2142
Chr14	21252002	21253228 <i>Adk(INTRAGENIC)</i>	hs595
Chr14	21358859	21360383 <i>Adk(INTRAGENIC)</i>	mm1738
Chr14	21462242	21463695 <i>Adk,Myst4</i>	hs1500
Chr14	21990858	21991990 <i>Zfp503,Lrmda</i>	hs484
Chr14	22113215	22115951 <i>Lrmda(INTRAGENIC)</i>	mm414
Chr14	22505360	22506121 <i>Lrmda(INTRAGENIC)</i>	hs320
Chr14	22576141	22579755 <i>4930405a10rik,Gm10248</i>	hs1679
Chr14	22906034	22908415 <i>4930405a10rik,Gm10248</i>	hs1683
Chr14	23014212	23023263 <i>4930405a10rik,Gm10248</i>	hs1434
Chr14	23094627	23095917 <i>Gm10248,Kcnma1</i>	hs748
Chr14	23520146	23521598 <i>Kcnma1(INTRAGENIC)</i>	mm417
Chr14	24616748	24620772 <i>Rps24,4930572o13rik</i>	hs2223
Chr14	25107155	25110736 <i>Rps24,4930572o13rik</i>	mm1446
Chr14	25585162	25588456 <i>Mir3075,Ppif</i>	mm1678
Chr14	28972334	28973645 <i>Cacna2d3(INTRAGENIC)</i>	hs1436
Chr14	34194121	34196050 <i>Ppyr1,Syt15</i>	mm340
Chr14	40955282	40959325 <i>Tspan14(INTRAGENIC)</i>	mm1503
Chr14	45943840	45945127 <i>Mir5131,Gm1821</i>	mm384
Chr14	46017040	46020810 <i>Mir5131,Gm1821</i>	hs1629
Chr14	46610670	46611777 <i>Bmp4,Cdkn3</i>	mm387
Chr14	48707510	48711185 <i>Otx2os1(INTRAGENIC)</i>	hs1579
Chr14	48799224	48801650 <i>Otx2os1,4933429o19rik</i>	hs1150
Chr14	48814603	48816118 <i>Otx2os1,4933429o19rik</i>	hs1218
Chr14	48852340	48856614 <i>Otx2os1,4933429o19rik</i>	hs1791
Chr14	52547406	52549170 <i>Olfir1507,A430107p09rik</i>	hs1705
Chr14	54996106	54997707 <i>Mir208b,Ngdn</i>	hs1670
Chr14	60552726	60556031 <i>Fam123a,Spata13</i>	mm1122
Chr14	61004739	61005741 <i>Tnfrsf19(INTRAGENIC)</i>	mm7
Chr14	63062164	63063066 <i>2700070h01rik,Ctsb</i>	mm244

Chr14	63585329	63587537 <i>Mtmr9,Xkr6</i>	mm1542
Chr14	65245073	65246192 <i>Fzd3(INTRAGENIC)</i>	hs1329
Chr14	65749305	65750499 <i>Scara5,Pbk</i>	hs1741
Chr14	66492741	66497119 <i>Stmn4,Adra1a</i>	mm1500
Chr14	70634498	70635318 <i>Dmtn,Fgf17</i>	hs781
Chr14	70639990	70641193 <i>Fgf17(INTRAGENIC)</i>	hs782
Chr14	73233956	73236326 <i>Mir687,Lpar6</i>	mm1341
Chr14	76253890	76257212 <i>Nufip1,Tsc22d1</i>	mm1502
Chr14	78287851	78289553 <i>Tnfsf11(INTRAGENIC)</i>	hs1393
Chr14	92678515	92679505 <i>4930474h20rik,Pcdh9</i>	hs881
Chr14	94521150	94522546 <i>Pcdh9,Spertl</i>	hs575
Chr14	97100876	97102241 <i>Klhl1,Dach1</i>	hs540
Chr14	97329515	97330680 <i>Klhl1,Dach1</i>	hs882
Chr14	97537587	97538095 <i>Klhl1,Dach1</i>	hs129
Chr14	98046622	98048648 <i>Dach1(INTRAGENIC)</i>	hs137
Chr14	98072481	98073981 <i>Dach1(INTRAGENIC)</i>	hs619
Chr14	98082963	98085270 <i>Dach1(INTRAGENIC)</i>	hs188
Chr14	98154698	98157214 <i>Dach1(INTRAGENIC)</i>	hs138
Chr14	98536184	98538781 <i>Dach1,Mzt1</i>	hs131
Chr14	98748098	98751239 <i>Dach1,Mzt1</i>	hs141
Chr14	98894511	98895418 <i>Dach1,Mzt1</i>	hs135
Chr15	103013812	103014964 <i>Hoxc6,Hoxc4</i>	hs1875
Chr15	13391894	13395636 <i>Cdh6,Cdh9</i>	mm13
Chr15	13392550	13394271 <i>Cdh6,Cdh9</i>	hs1312
Chr15	30511450	30513962 <i>Ctnnd2(INTRAGENIC)</i>	mm1400
Chr15	34828818	34829716 <i>4930413f20rik,Kcns2</i>	hs908
Chr15	35747988	35749219 <i>Mir875,Cox6c</i>	hs909
Chr15	40657862	40659260 <i>Zfpm2(INTRAGENIC)</i>	hs195
Chr15	40911362	40915891 <i>Zfpm2(INTRAGENIC)</i>	hs1800
Chr15	60852996	60854287 <i>9930014a18rik,A1bg</i>	mm642
Chr15	61157637	61158731 <i>A1bg,D030024e09rik</i>	mm641
Chr15	62902694	62903900 <i>H2afy3,Loc432958</i>	mm457
Chr15	63052414	63053178 <i>H2afy3,Loc432958</i>	hs1877
Chr15	63193937	63194788 <i>H2afy3,Loc432958</i>	mm458
Chr15	66237670	66241222 <i>Kcnq3(INTRAGENIC)</i>	hs2563
Chr15	73020419	73023319 <i>Trappc9(INTRAGENIC)</i>	mm1679
Chr15	74155467	74158454 <i>Gm628,Adgrb1</i>	mm1584
Chr15	75646709	75649708 <i>Zfp41,Top1mt</i>	mm1304
Chr15	79218952	79220098 <i>Gm10863,Pick1</i>	hs492
Chr15	83638828	83640718 <i>Scube1(INTRAGENIC)</i>	mm84
Chr15	84217537	84220713 <i>Samm50,Parvb</i>	mm91
Chr15	85464142	85464949 <i>Atxn10,7530416g11rik</i>	hs1559
Chr15	85505930	85509606 <i>7530416g11rik,Wnt7b</i>	mm325
Chr15	91016522	91020048 <i>Kif21a(INTRAGENIC)</i>	mm1478
Chr15	95638744	95641449 <i>Dbx2(INTRAGENIC)</i>	mm1571
Chr15	98967479	98972541 <i>Tuba1a,4930578m01rik</i>	mm1449
Chr15	99807076	99809694 <i>Lima1(INTRAGENIC)</i>	mm17
Chr16	10051117	10051975 <i>Grin2a,Rpl39l</i>	hs1242
Chr16	15052402	15053742 <i>Efcab1,Ube2v2</i>	hs1431
Chr16	15084592	15085708 <i>Efcab1,Ube2v2</i>	mm466
Chr16	15194413	15196116 <i>Efcab1,Ube2v2</i>	mm383

Chr16	17808169	17811091	<i>Scarf2</i> ,B830017h08rik	hs1620
Chr16	17809211	17811153	<i>Scarf2</i> ,B830017h08rik	mm1629
Chr16	18554168	18557637	<i>Gnb1</i> (INTRAGENIC)	mm321
Chr16	23502808	23507356	<i>Masp1</i> (INTRAGENIC)	mm1315
Chr16	26025208	26026483	<i>P3h2</i> (INTRAGENIC)	mm1095
Chr16	26040838	26042843	<i>P3h2</i> (INTRAGENIC)	mm1097
Chr16	29719360	29721162	<i>Opa1</i> ,Gm1968	hs1563
Chr16	29882436	29884131	<i>Opa1</i> ,Gm1968	hs1344
Chr16	29893116	29895809	<i>Opa1</i> ,Gm1968	hs1453
Chr16	30128808	30130865	<i>Hes1</i> ,Cpn2	hs1543
Chr16	30872662	30875316	<i>Fam43a</i> ,Ai480653	mm988
Chr16	35584523	35589773	<i>Sema5b</i> (INTRAGENIC)	mm1471
Chr16	37892144	37895218	<i>Lrrc58</i> ,Gpr156	mm1361
Chr16	42781027	42782864	4932412d23rik(INTRAGENIC)	hs1648
Chr16	44528746	44534514	<i>Boc</i> (INTRAGENIC)	mm1504
Chr16	44671282	44673116	<i>Mir3081</i> ,Nepro	mm1637
Chr16	44676757	44681297	<i>Mir3081</i> ,Nepro	hs1685
Chr16	71390428	71406850	4930567j20rik, <i>Robo1</i>	hs1995
Chr16	72685637	72688302	<i>Robo1</i> (INTRAGENIC)	hs1475
Chr16	77420896	77422638	2810055g20rik(INTRAGENIC)	hs1304
Chr16	85887133	85888622	<i>Adamts5</i> (INTRAGENIC)	hs1684
Chr16	90449316	90451082	<i>Hunk</i> (INTRAGENIC)	mm1672
Chr16	91104484	91107069	4932438h23rik, <i>Olig2</i>	hs1548
Chr16	91139145	91142270	4932438h23rik, <i>Olig2</i>	mm817
Chr16	91140152	91141411	4932438h23rik, <i>Olig2</i>	hs1188
Chr16	91290868	91293443	<i>Olig1</i> , <i>lfnar2</i>	hs1346
Chr16	92340500	92342017	4930563d23rik, <i>Kcne1</i>	mm113
Chr16	92340534	92342015	4930563d23rik, <i>Kcne1</i>	mm769
Chr16	94630838	94633816	<i>Dyrk1a</i> (INTRAGENIC)	hs2333
Chr16	94956955	94958478	<i>Kcnj6</i> (INTRAGENIC)	hs1811
Chr16	95847910	95849564	1600002d24rik(INTRAGENIC)	hs1516
Chr16	96845600	96847968	<i>Dscam</i> (INTRAGENIC)	mm1636
Chr17	10333563	10337174	1700110c19rik, <i>Pacrg</i>	mm1488
Chr17	10743926	10746179	<i>Pacrg</i> (INTRAGENIC)	hs1358
Chr17	15440120	15441360	<i>Fam120b</i> , <i>Psemb1</i>	hs1310
Chr17	26508852	26510691	<i>Dusp1</i> , <i>Ergic1</i>	hs1828
Chr17	28105717	28108643	<i>Tcp11</i> , <i>Scube3</i>	mm1525
Chr17	29462413	29466116	<i>Fgd2</i> , <i>Pim1</i>	mm755
Chr17	30377456	30379782	<i>Btbd9</i> (INTRAGENIC)	hs1366
Chr17	31353737	31353776	<i>Slc37a1</i> , <i>Pde9a</i>	hs2248
Chr17	32179502	32180908	<i>Notch3</i> , <i>Ephx3</i>	mm1733
Chr17	44296915	44302724	<i>Clic5</i> , <i>Runx2</i>	hs1461
Chr17	44617720	44619644	<i>Runx2</i> (INTRAGENIC)	mm924
Chr17	44722114	44723789	<i>Runx2</i> (INTRAGENIC)	mm657
Chr17	46617885	46620197	<i>Ptk7</i> (INTRAGENIC)	mm1620
Chr17	47520785	47523587	<i>Ccnd3</i> (INTRAGENIC)	mm1691
Chr17	47871879	47873076	<i>Foxp4</i> (INTRAGENIC)	hs1100
Chr17	47914773	47915356	<i>Foxp4</i> (INTRAGENIC)	hs281
Chr17	47988296	47991797	<i>Foxp4</i> ,1700122o11rik	mm751
Chr17	62785705	62787128	<i>Efna5</i> (INTRAGENIC)	hs1734
Chr17	62851927	62854939	<i>Efna5</i> (INTRAGENIC)	mm1538

Chr17	63171422	63173537 <i>Fbxl17</i> (INTRAGENIC)	hs1345
Chr17	66478396	66482145 <i>1110012j17rik,Rab12</i>	mm1499
Chr17	7268493	7269968 <i>Rps6ka2</i> (INTRAGENIC)	mm108
Chr17	83913105	83914232 <i>Haa0,4933433h22rik</i>	mm1105
Chr17	84182448	84183800 <i>4933433h22rik,Zfp36l2</i>	mm1108
Chr17	85487468	85489670 <i>1700106n22rik,Six3os1</i>	hs541
Chr17	85562619	85563333 <i>1700106n22rik,Six3os1</i>	hs149
Chr17	90085748	90089309 <i>Nrxn1</i> (INTRAGENIC)	hs2343
Chr17	90695380	90697670 <i>Nrxn1</i> (INTRAGENIC)	mm1639
Chr18	10735381	10736621 <i>Mib1</i> (INTRAGENIC)	hs1650
Chr18	13221433	13222700 <i>Hrh4,Zfp521</i>	hs1169
Chr18	13665973	13667811 <i>Hrh4,Zfp521</i>	hs1180
Chr18	13738222	13739462 <i>Zfp521</i> (INTRAGENIC)	hs367
Chr18	13786795	13788440 <i>Zfp521</i> (INTRAGENIC)	hs1027
Chr18	13896095	13897821 <i>Zfp521</i> (INTRAGENIC)	hs369
Chr18	14063413	14065312 <i>Zfp521,8430422h06rik</i>	hs1544
Chr18	14458160	14460150 <i>8430422h06rik,Ss18</i>	hs1566
Chr18	16560468	16563440 <i>Chst9,Cdh2</i>	hs1636
Chr18	16709806	16715755 <i>Cdh2</i> (INTRAGENIC)	hs1634
Chr18	25377370	25378646 <i>Aw554918</i> (INTRAGENIC)	hs590
Chr18	25677414	25678414 <i>Celf4</i> (INTRAGENIC)	hs371
Chr18	27497307	27498342 <i>Celf4,4930474g06rik</i>	hs851
Chr18	33552065	33554381 <i>Gm10549,2410004n09rik</i>	mm15
Chr18	34131298	34134370 <i>Epb41l4a,Gm10548</i>	mm1329
Chr18	35839235	35842928 <i>Cxxc5</i> (INTRAGENIC)	mm1664
Chr18	35847683	35850399 <i>Cxxc5</i> (INTRAGENIC)	mm1614
Chr18	38378941	38381638 <i>Gnpda1,Ndfip1</i>	mm1457
Chr18	55195554	55197516 <i>Zfp608,Gramd3</i>	hs1375
Chr18	55483488	55486878 <i>Zfp608,Gramd3</i>	hs1643
Chr18	55518917	55521029 <i>Zfp608,Gramd3</i>	hs1371
Chr18	55624016	55627654 <i>Zfp608,Gramd3</i>	mm1061
Chr18	55784854	55787217 <i>Zfp608,Gramd3</i>	mm1581
Chr18	56042247	56043293 <i>Zfp608,Gramd3</i>	hs2325
Chr18	60669095	60671807 <i>G630071f17,Ndst1</i>	mm1623
Chr18	60904549	60907221 <i>Tcof1,Arsi</i>	mm879
Chr18	61608402	61611100 <i>Csnk1a1,Loc545261</i>	mm36
Chr18	65514203	65517793 <i>Malt1,Zfp532</i>	mm1322
Chr18	65529356	65532579 <i>Malt1,Zfp532</i>	hs1397
Chr18	69499161	69500797 <i>Tcf4</i> (INTRAGENIC)	hs376
Chr18	69562176	69563579 <i>Tcf4</i> (INTRAGENIC)	hs1537
Chr18	69844647	69846012 <i>Tcf4,Ccdc68</i>	hs1013
Chr18	72724153	72726078 <i>Dcc,Mex3c</i>	hs1384
Chr18	73058910	73061058 <i>Dcc,Mex3c</i>	hs1726
Chr18	75501597	75505830 <i>Ctif</i> (INTRAGENIC)	mm18
Chr18	75502363	75503667 <i>Ctif</i> (INTRAGENIC)	mm257
Chr18	76556127	76556905 <i>Smad2,Skor2</i>	hs679
Chr18	78236924	78239279 <i>Slc14a2</i> (INTRAGENIC)	hs1440
Chr18	78335782	78336542 <i>Slc14a2</i> (INTRAGENIC)	mm173
Chr18	78454573	78456222 <i>Slc14a2</i> (INTRAGENIC)	hs1363
Chr18	78972132	78974155 <i>Setbp1</i> (INTRAGENIC)	hs2336
Chr18	79047866	79051718 <i>Setbp1</i> (INTRAGENIC)	hs1362

Chr18	79070342	79072740 <i>Setbp1</i> (INTRAGENIC)	hs2335
Chr18	8043683	8045852 <i>Wac,Fzd8</i>	hs1334
Chr18	80099932	80102587 <i>Pard6g</i> (INTRAGENIC)	mm1711
Chr18	80811437	80812175 <i>Atp9b</i> (INTRAGENIC)	hs775
Chr18	81152972	81154539 <i>Sall3,Mir5127</i>	hs1056
Chr18	81165710	81167180 <i>Sall3,Mir5127</i>	hs1011
Chr18	81509178	81510770 <i>Sall3,Mir5127</i>	hs634
Chr18	81830667	81831963 <i>Sall3,Mir5127</i>	hs1186
Chr18	81897381	81899436 <i>Sall3,Mir5127</i>	hs1020
Chr18	9027134	9028620 <i>Wac,Fzd8</i>	hs1589
Chr18	9146715	9148876 <i>Wac,Fzd8</i>	hs1567
Chr18	9215673	9216934 <i>Fzd8,Gjd4</i>	mm1632
Chr18	9215948	9217732 <i>Fzd8,Gjd4</i>	hs1588
Chr19	14123241	14124629 <i>Olfr1505,Tle4</i>	hs1004
Chr19	14239310	14242197 <i>Olfr1505,Tle4</i>	hs1163
Chr19	14506310	14508632 <i>Tle4</i> (INTRAGENIC)	hs1360
Chr19	14565295	14568168 <i>Tle4</i> (INTRAGENIC)	hs1078
Chr19	14776716	14777986 <i>Tle4,Psat1</i>	hs1041
Chr19	14890554	14892150 <i>Tle4,Psat1</i>	hs313
Chr19	14939835	14941282 <i>Tle4,Psat1</i>	hs765
Chr19	15340182	15341550 <i>Tle4,Psat1</i>	hs312
Chr19	15800831	15804666 <i>Tle4,Psat1</i>	hs1585
Chr19	15835662	15838956 <i>Tle4,Psat1</i>	hs1530
Chr19	21274084	21274843 <i>Zfand5</i> (INTRAGENIC)	mm269
Chr19	21783786	21786142 <i>Cemip2</i> (INTRAGENIC)	mm1610
Chr19	24945396	24946544 <i>Snora19,Dock8</i>	hs628
Chr19	25607278	25609178 <i>Dmrt1,Dmrt3</i>	hs112
Chr19	26844388	26847098 <i>4931403e22rik,Gm815</i>	hs1743
Chr19	27904248	27905597 <i>Rfx3</i> (INTRAGENIC)	hs1350
Chr19	3638247	3639522 <i>Lrp5</i> (INTRAGENIC)	mm1719
Chr19	36129039	36129586 <i>Ankrd1,Pcgf5</i>	hs495
Chr19	36686377	36689836 <i>1500017e21rik,Ppp1r3c</i>	hs1950
Chr19	36896240	36898161 <i>Tnks2,Fgfbp3</i>	mm1641
Chr19	41715402	41718238 <i>Slit1</i> (INTRAGENIC)	mm1552
Chr19	44514132	44515870 <i>Wnt8b,Sec31b</i>	hs1006
Chr19	45746900	45747683 <i>Fgf8,Npm3</i>	hs513
Chr19	47301206	47302242 <i>Sh3pxd2a</i> (INTRAGENIC)	mm1098
Chr19	47908459	47910596 <i>Itiprip</i> (INTRAGENIC)	mm324
Chr19	5810095	5812698 <i>Malat1,Neat1</i>	hs1759
Chr19	53411035	53413469 <i>Smndc1,5830416p10rik</i>	mm1351
Chr19	58371922	58373062 <i>Gm10007,1700011f14rik</i>	mm445
Chr19	59132961	59134097 <i>Shtn1,Vax1</i>	hs841
Chr19	59267128	59268278 <i>Slc18a2</i> (INTRAGENIC)	mm447
Chr19	59423214	59425570 <i>Pdzd8,Emx2</i>	mm448
Chr19	59465505	59466798 <i>Emx2,2700089i24rik</i>	hs1032
Chr19	59466736	59467688 <i>Emx2,2700089i24rik</i>	hs935
Chr19	59717098	59718467 <i>2700089i24rik,Rab11fip2</i>	hs1236
Chr19	60015442	60016837 <i>Rab11fip2,E330013p04rik</i>	mm449
Chr19	60203058	60204722 <i>Fam204a</i> (INTRAGENIC)	hs672
Chr2	101589988	101594341 <i>B230118h07rik</i> (INTRAGENIC)	mm1328
Chr2	103623986	103627532 <i>Abtb2</i> (INTRAGENIC)	mm1312

Chr2	105333715	105335145 <i>Them7</i> (INTRAGENIC)	hs113
Chr2	105515855	105516711 <i>Rcn1,Pax6os1</i>	hs855
Chr2	105611041	105614025 <i>Pax6os1</i> (INTRAGENIC)	hs1531
Chr2	105689599	105691449 <i>Pax6</i> (INTRAGENIC)	hs1082
Chr2	105778530	105780039 <i>Elp4</i> (INTRAGENIC)	hs234
Chr2	105833387	105834697 <i>Elp4</i> (INTRAGENIC)	hs565
Chr2	105913336	105914486 <i>Immp1l</i> (INTRAGENIC)	hs863
Chr2	12065185	12068019 <i>Ankrd16,Itga8</i>	mm30
Chr2	115537684	115539308 <i>3110099e03rik,Bc052040</i>	hs355
Chr2	115656958	115658248 <i>Mir1951,Meis2</i>	hs828
Chr2	115919997	115921651 <i>Meis2</i> (INTRAGENIC)	hs181
Chr2	116200855	116202747 <i>2810405f15rik,Tmco5</i>	hs572
Chr2	116323402	116325066 <i>2810405f15rik,Tmco5</i>	hs599
Chr2	116807729	116809252 <i>2810405f15rik,Tmco5</i>	hs830
Chr2	117427080	117430606 <i>Rasgrp1,4930412b13rik</i>	mm1368
Chr2	118532227	118534856 <i>Bmf</i> (INTRAGENIC)	hs1611
Chr2	128712175	128715819 <i>Mertk</i> (INTRAGENIC)	mm1476
Chr2	130351805	130352389 <i>Ebf4</i> (INTRAGENIC)	hs632
Chr2	130489314	130493856 <i>Ptptra</i> (INTRAGENIC)	mm1313
Chr2	132426454	132429102 <i>4921508d12rik</i> (INTRAGENIC)	mm1391
Chr2	137247708	137248975 <i>Jag1,Btbd3</i>	hs1278
Chr2	146324701	146325932 <i>A930019d19rik,4933406d12rik</i>	hs688
Chr2	146957766	146960813 <i>Kiz</i> (INTRAGENIC)	hs914
Chr2	147180290	147181581 <i>Nkx2-2</i> (INTRAGENIC)	hs1205
Chr2	152399091	152399726 <i>Sox12,Zcchc3</i>	mm271
Chr2	152734876	152735572 <i>Mcts2,Id1</i>	hs480
Chr2	153481176	153485061 <i>Nol4l</i> (INTRAGENIC)	hs2225
Chr2	153851282	153854369 <i>Efcab8,Sun5</i>	hs2101
Chr2	154425426	154428462 <i>Snta1,Cbfa2t2</i>	mm1461
Chr2	159032227	159032977 <i>Dhx35,4933416e03rik</i>	hs1042
Chr2	160244493	160245157 <i>9130015l21rik,Gm826</i>	mm645
Chr2	160382008	160382874 <i>Mafb,Top1</i>	hs1086
Chr2	163188663	163191536 <i>Gtsf1l,Tox2</i>	mm1561
Chr2	163362453	163365471 <i>Jph2</i> (INTRAGENIC)	mm1646
Chr2	166019657	166023462 <i>Ncoa3</i> (INTRAGENIC)	mm1346
Chr2	166215189	166217391 <i>Sulf2,Gm11468</i>	mm1515
Chr2	166426404	166428660 <i>Gm11468,5031425f14rik</i>	mm1298
Chr2	166440620	166443127 <i>Gm11468,5031425f14rik</i>	mm673
Chr2	168049064	168050864 <i>Ripor3,Pard6b</i>	hs1860
Chr2	168693119	168695892 <i>Atp9a</i> (INTRAGENIC)	mm1375
Chr2	173086647	173088867 <i>Rbm38,Ctcf</i>	mm1693
Chr2	174856549	174860580 <i>Edn3,Gm14393</i>	mm38
Chr2	18972805	18974286 <i>Pip4k2a</i> (INTRAGENIC)	hs2048
Chr2	21008806	21012242 <i>Gm13375,Enkur</i>	mm1447
Chr2	25124845	25128090 <i>Noxa1,Nrarp</i>	mm1454
Chr2	26132283	26133723 <i>Nacc2,C330006a16rik</i>	mm561
Chr2	26517259	26517274 <i>Notch1,Egfl7</i>	hs2207
Chr2	30646231	30648463 <i>Cstad,Mir3089</i>	mm1612
Chr2	31499311	31500827 <i>Ass1</i> (INTRAGENIC)	hs1328
Chr2	31640644	31641311 <i>Prdm12</i> (INTRAGENIC)	hs876
Chr2	32127730	32128586 <i>Plpp7,Prrc2b</i>	mm194

Chr2	32816287	32817280 <i>Stxbp1</i> (INTRAGENIC)	hs2342
Chr2	33788143	33790459 <i>Fam125b</i> (INTRAGENIC)	hs186
Chr2	33875330	33878839 <i>A630071I07rik,Pbx3</i>	mm716
Chr2	34033022	34033763 <i>A630071I07rik,Pbx3</i>	hs1015
Chr2	34064832	34066528 <i>A630071I07rik,Pbx3</i>	hs987
Chr2	34255333	34257138 <i>Pbx3</i> (INTRAGENIC)	hs1017
Chr2	34356455	34359025 <i>Pbx3</i> (INTRAGENIC)	hs1102
Chr2	34359231	34360874 <i>Pbx3</i> (INTRAGENIC)	hs818
Chr2	34363448	34364810 <i>Pbx3</i> (INTRAGENIC)	hs1030
Chr2	38142558	38144874 <i>Dennd1a</i> (INTRAGENIC)	hs314
Chr2	4339658	4341457 <i>Frmd4a</i> (INTRAGENIC)	mm28
Chr2	4348338	4349353 <i>Frmd4a</i> (INTRAGENIC)	mm419
Chr2	4361908	4362689 <i>Frmd4a</i> (INTRAGENIC)	mm420
Chr2	4556144	4557875 <i>Frmd4a</i> (INTRAGENIC)	mm422
Chr2	4587585	4588762 <i>Frmd4a</i> (INTRAGENIC)	mm423
Chr2	43977738	43979507 <i>Arhgap15</i> (INTRAGENIC)	hs675
Chr2	45023631	45025444 <i>Mir5129,Gm13476</i>	hs407
Chr2	45171143	45172955 <i>Gm13476,1700019e08rik</i>	hs1802
Chr2	45225128	45226724 <i>Gm13476,1700019e08rik</i>	mm1737
Chr2	46666275	46667373 <i>1700019e08rik,Acvr2a</i>	hs649
Chr2	46669500	46670495 <i>1700019e08rik,Acvr2a</i>	hs568
Chr2	47183582	47185337 <i>1700019e08rik,Acvr2a</i>	hs609
Chr2	50969347	50972438 <i>Gm13498,Rnd3</i>	hs1386
Chr2	56576465	56577480 <i>Kcnj3,Nr4a2</i>	hs411
Chr2	57517307	57518247 <i>Gpd2,Galnt5</i>	hs413
Chr2	57671881	57672832 <i>Gpd2,Galnt5</i>	hs662
Chr2	57793277	57794576 <i>Gpd2,Galnt5</i>	hs573
Chr2	59597936	59601449 <i>Dapl1,Tanc1</i>	mm717
Chr2	6260988	6262915 <i>A230108p19rik</i> (INTRAGENIC)	hs1382
Chr2	60785660	60787563 <i>Rbms1</i> (INTRAGENIC)	mm1564
Chr2	61656142	61656716 <i>Tank,Psm14</i>	hs416
Chr2	61764029	61766486 <i>Psm14</i> (INTRAGENIC)	hs2337
Chr2	63962796	63964416 <i>Kcnh7,Fign</i>	hs170
Chr2	64079255	64080739 <i>Fign</i> (INTRAGENIC)	hs640
Chr2	64366222	64367228 <i>Fign,Grb14</i>	hs421
Chr2	65662394	65664905 <i>Scn3a,Scn2a</i>	mm777
Chr2	67627292	67629040 <i>Xirp2,B3galt1</i>	mm1717
Chr2	69998509	69999848 <i>Ubr3</i> (INTRAGENIC)	hs1867
Chr2	71418479	71422071 <i>Hat1</i> (INTRAGENIC)	mm55
Chr2	71418555	71419483 <i>Hat1</i> (INTRAGENIC)	hs646
Chr2	71516484	71518219 <i>Metap1d</i> (INTRAGENIC)	hs553
Chr2	71535378	71536557 <i>Dlx1as</i> (INTRAGENIC)	hs422
Chr2	72426155	72427698 <i>Map3k20</i> (INTRAGENIC)	hs242
Chr2	73142671	73144272 <i>Ola1</i> (INTRAGENIC)	hs244
Chr2	73268418	73269496 <i>Ola1,Sp9</i>	hs860
Chr2	73275594	73277184 <i>Sp9,Cir1</i>	hs953
Chr2	74650860	74652235 <i>Ln timer,Evx2</i>	hs246
Chr2	75138220	75138763 <i>Mtx2,9430019j16rik</i>	hs248
Chr2	75422202	75424576 <i>Mtx2,9430019j16rik</i>	mm515
Chr2	93670139	93673617 <i>Alx4</i> (INTRAGENIC)	hs2090
Chr3	101394801	101399299 <i>Igsf3</i> (INTRAGENIC)	mm1505

Chr3	104540534	104542671	<i>Lrig2, Slc16a1</i>	mm1537
Chr3	108409603	108412500	<i>Celsr2</i> (INTRAGENIC)	hs2216
Chr3	119361441	119362693	<i>Dpyd</i> (INTRAGENIC)	hs671
Chr3	122047471	122049247	<i>Abca4</i> (INTRAGENIC)	mm435
Chr3	127626841	127627904	<i>4930422g04rik, Neurog2</i>	hs981
Chr3	127705248	127707248	<i>Alpk1</i> (INTRAGENIC)	mm1549
Chr3	128450190	128451285	<i>D030025e07rik, Pitx2</i>	hs559
Chr3	129103805	129105710	<i>D030025e07rik, Pitx2</i>	hs930
Chr3	130737080	130738563	<i>Rpl34, Lef1</i>	hs1050
Chr3	130961754	130964427	<i>Rpl34, Lef1</i>	hs1545
Chr3	134302377	134303702	<i>Mir1895, 4930539c22rik</i>	hs260
Chr3	142237411	142239503	<i>Bmpr1b, Pdlim5</i>	hs1438
Chr3	143100891	143102626	<i>Pkn2, A830019l24rik</i>	hs327
Chr3	143332584	143334247	<i>A830019l24rik, Gm6260</i>	hs1107
Chr3	143946946	143948485	<i>Gm6260, Lmo4</i>	hs1217
Chr3	143985055	143986394	<i>Gm6260, Lmo4</i>	hs1161
Chr3	144173688	144175123	<i>Gm6260, Lmo4</i>	hs174
Chr3	144173814	144174949	<i>Gm6260, Lmo4</i>	hs322
Chr3	144203013	144204545	<i>Lmo4</i> (INTRAGENIC)	hs809
Chr3	145964099	145964929	<i>2410004b18rik, Syde2</i>	mm311
Chr3	16876170	16878776	<i>Ythdf3, 2610100l16rik</i>	hs1239
Chr3	28491069	28491909	<i>Tnik</i> (INTRAGENIC)	mm492
Chr3	30104532	30109280	<i>Mecom</i> (INTRAGENIC)	hs1433
Chr3	33882396	33883856	<i>Ccdc39, Fxr1</i>	hs258
Chr3	33905209	33906178	<i>Ccdc39, Fxr1</i>	hs655
Chr3	34103627	34105807	<i>Dnajc19, Sox2ot</i>	hs192
Chr3	34411658	34412604	<i>Dnajc19, Sox2ot</i>	mm1529
Chr3	35087536	35089765	<i>Gm3143, Gm6639</i>	hs1332
Chr3	35403694	35406710	<i>Gm3143, Gm6639</i>	mm996
Chr3	37671698	37674083	<i>Spry1, Gm5148</i>	hs1582
Chr3	37934422	37937092	<i>Loc626410</i> (INTRAGENIC)	mm1599
Chr3	39047258	39049329	<i>Fat4, 1700017g19rik</i>	hs1389
Chr3	4376459	4378146	<i>Hnf4g, 1110015o18rik</i>	hs891
Chr3	40119575	40120620	<i>Fat4, 1700017g19rik</i>	mm554
Chr3	5223534	5226222	<i>Zfhx4</i> (INTRAGENIC)	hs1318
Chr3	5348379	5351461	<i>Zfhx4</i> (INTRAGENIC)	mm1577
Chr3	5386841	5389926	<i>Zfhx4</i> (INTRAGENIC)	mm1541
Chr3	5387050	5389713	<i>Zfhx4</i> (INTRAGENIC)	hs1681
Chr3	5754492	5756119	<i>Pxmp3, 1700008p02rik</i>	hs742
Chr3	51738852	51739856	<i>Maml3</i> (INTRAGENIC)	mm1010
Chr3	51787852	51791869	<i>Maml3</i> (INTRAGENIC)	mm1452
Chr3	51907571	51910645	<i>Maml3</i> (INTRAGENIC)	mm1388
Chr3	55753971	55757759	<i>Nbea</i> (INTRAGENIC)	hs1333
Chr3	55964734	55966742	<i>4933417g07rik, Tm4sf1</i>	hs1330
Chr3	66044739	66048122	<i>Ccnl1, Veph1</i>	hs2571
Chr3	66934735	66937240	<i>Ptx3, Shox2</i>	hs1251
Chr3	66938323	66940117	<i>Ptx3, Shox2</i>	hs1262
Chr3	67036007	67037651	<i>Rsrc1</i> (INTRAGENIC)	hs636
Chr3	67212683	67213884	<i>Rsrc1</i> (INTRAGENIC)	hs1413
Chr3	76465722	76469421	<i>Fstl5</i> (INTRAGENIC)	mm1370
Chr3	79989325	79992698	<i>Gask1b, Gria2</i>	mm1052

Chr3	8865055	8867293 <i>Mrps28</i> (INTRAGENIC)	hs1305
Chr3	84937097	84939573 <i>Fbxw7</i> (INTRAGENIC)	hs1361
Chr3	86849163	86851975 <i>Dclk2</i> (INTRAGENIC)	hs1614
Chr3	87982625	87986876 <i>Nes,Bcan</i>	hs1891
Chr3	88238232	88239375 <i>Mir9-1,Rhbg</i>	mm474
Chr3	9346755	9348294 <i>Zbtb10,C030034I19rik</i>	mm551
Chr3	97941911	97942887 <i>Gm5544</i> (INTRAGENIC)	mm576
Chr3	99259779	99263564 <i>Tbx15</i> (INTRAGENIC)	mm888
Chr4	105860013	105863946 <i>Plpp3,Usp24</i>	hs1622
Chr4	106864588	106867291 <i>Acot11,Ssbp3</i>	mm1527
Chr4	107024536	107026405 <i>Ssbp3</i> (INTRAGENIC)	mm1261
Chr4	107983303	107987414 <i>Slc1a7</i> (INTRAGENIC)	hs2585
Chr4	108361018	108364528 <i>2010305a19rik,Shisal2a</i>	mm1490
Chr4	109762244	109763771 <i>Faf1</i> (INTRAGENIC)	hs200
Chr4	109858711	109860443 <i>Faf1</i> (INTRAGENIC)	hs194
Chr4	11761242	11763766 <i>Cdh17</i> (INTRAGENIC)	mm1633
Chr4	117646906	117647610 <i>Eri3</i> (INTRAGENIC)	hs277
Chr4	117828714	117831599 <i>Klf17,Slc6a9</i>	hs1857
Chr4	119019151	119020076 <i>Lao1,Slc2a1</i>	mm165
Chr4	123990360	123991795 <i>Rragc,1700057h15rik</i>	hs1139
Chr4	124035337	124036861 <i>Rragc,1700057h15rik</i>	hs1031
Chr4	124359244	124361242 <i>Rragc,1700057h15rik</i>	hs1546
Chr4	124458302	124461497 <i>1700057h15rik</i> (INTRAGENIC)	hs2088
Chr4	124477456	124479254 <i>1700057h15rik</i> (INTRAGENIC)	hs1001
Chr4	124615408	124616812 <i>4933407e24rik,Pou3f1</i>	hs238
Chr4	128714414	128717015 <i>Phc2</i> (INTRAGENIC)	mm1684
Chr4	128714851	128716970 <i>Phc2</i> (INTRAGENIC)	hs1388
Chr4	13786474	13789660 <i>Runx1t1</i> (INTRAGENIC)	hs1599
Chr4	13831423	13834052 <i>Runx1t1</i> (INTRAGENIC)	hs1658
Chr4	14024600	14026426 <i>Runx1t1,Slc26a7</i>	hs669
Chr4	132032113	132036152 <i>Epb41</i> (INTRAGENIC)	mm1387
Chr4	136754322	136758801 <i>Ephb2</i> (INTRAGENIC)	mm1494
Chr4	139830774	139832378 <i>Pax7</i> (INTRAGENIC)	hs1702
Chr4	140102870	140105694 <i>Igsf21</i> (INTRAGENIC)	mm1730
Chr4	14272132	14278417 <i>Runx1t1,Slc26a7</i>	hs1601
Chr4	148708124	148709196 <i>Gm572,Casz1</i>	hs241
Chr4	148808781	148809416 <i>Casz1</i> (INTRAGENIC)	hs408
Chr4	148855953	148860332 <i>Casz1</i> (INTRAGENIC)	hs2094
Chr4	148859471	148860956 <i>Casz1</i> (INTRAGENIC)	mm1532
Chr4	148921504	148922572 <i>Casz1</i> (INTRAGENIC)	hs289
Chr4	148984734	148987251 <i>Pex14</i> (INTRAGENIC)	mm1566
Chr4	149892945	149894331 <i>Slc25a33,Spsb1</i>	hs1615
Chr4	150824120	150825978 <i>Slc45a1,1700045h11rik</i>	hs1833
Chr4	154456294	154457167 <i>Prdm16</i> (INTRAGENIC)	hs705
Chr4	154471428	154474118 <i>Prdm16</i> (INTRAGENIC)	mm1087
Chr4	154707415	154711162 <i>Actrt2,Ttc34</i>	mm1492
Chr4	154771105	154772345 <i>Actrt2,Ttc34</i>	mm1088
Chr4	154801901	154803150 <i>Actrt2,Ttc34</i>	mm1090
Chr4	22835083	22836757 <i>Pou3f2,Mms22l</i>	hs1085
Chr4	23049133	23051886 <i>Pou3f2,Mms22l</i>	hs1081
Chr4	23147678	23148835 <i>Pou3f2,Mms22l</i>	hs1128

Chr4	23341020	23341756 <i>Pou3f2,Mms22l</i>	hs284
Chr4	23590042	23592039 <i>Pou3f2,Mms22l</i>	hs1233
Chr4	23601771	23603172 <i>Pou3f2,Mms22l</i>	hs563
Chr4	23636061	23637408 <i>Pou3f2,Mms22l</i>	hs567
Chr4	23869808	23871831 <i>Pou3f2,Mms22l</i>	hs1220
Chr4	23983452	23984307 <i>Pou3f2,Mms22l</i>	hs282
Chr4	24018817	24020246 <i>Pou3f2,Mms22l</i>	hs1035
Chr4	24212230	24215243 <i>Pou3f2,Mms22l</i>	hs1564
Chr4	24428853	24430297 <i>Pou3f2,Mms22l</i>	hs978
Chr4	24669206	24670330 <i>Klhl32(INTRAGENIC)</i>	hs676
Chr4	32301903	32305410 <i>Map3k7,Bach2</i>	mm720
Chr4	32530396	32532759 <i>Bach2(INTRAGENIC)</i>	mm510
Chr4	44851630	44852605 <i>Zcchc7(INTRAGENIC)</i>	hs901
Chr4	46291489	46292507 <i>Xpa,Foxe1</i>	hs1595
Chr4	46352102	46353592 <i>Foxe1,Trmo</i>	hs1596
Chr4	46366953	46368597 <i>Foxe1,Trmo</i>	hs1597
Chr4	46366953	46371362 <i>Foxe1,Trmo</i>	hs1717
Chr4	5962013	5963794 <i>Fam110b,Ubxn2b</i>	hs1364
Chr4	54611226	54614736 <i>Tmem38b,Zfp462</i>	mm814
Chr4	6912470	6914779 <i>Tox(INTRAGENIC)</i>	hs1326
Chr4	63056998	63058386 <i>Zfp618(INTRAGENIC)</i>	hs641
Chr4	64437750	64439209 <i>Tnc,Pappa</i>	hs1625
Chr4	65237235	65239737 <i>Pappa(INTRAGENIC)</i>	mm774
Chr4	66894392	66895290 <i>Tlr4,Brinp1</i>	mm279
Chr4	71483744	71484988 <i>Megf9,Tle1</i>	hs240
Chr4	71839683	71841070 <i>Megf9,Tle1</i>	hs722
Chr4	72068926	72069840 <i>Megf9,Tle1</i>	hs1118
Chr4	72166327	72168960 <i>Tle1(INTRAGENIC)</i>	hs1359
Chr4	72196487	72197365 <i>Tle1(INTRAGENIC)</i>	hs556
Chr4	72766130	72767260 <i>C630043f03rik,Aldoart1</i>	hs752
Chr4	72799662	72800540 <i>C630043f03rik,Aldoart1</i>	hs800
Chr4	73488434	73489492 <i>Gm11487,Loc100502924</i>	hs618
Chr4	75700793	75701396 <i>Dmac1,Ptprd</i>	hs304
Chr4	81960417	81961865 <i>Mpdz,Gm5860</i>	hs852
Chr4	82915373	82918271 <i>Frem1(INTRAGENIC)</i>	mm56
Chr4	84529017	84529746 <i>Bnc2(INTRAGENIC)</i>	hs307
Chr4	84986009	84988497 <i>Cntln,Sh3gl2</i>	hs529
Chr4	85941329	85944432 <i>Sh3gl2,Adamts1</i>	hs2537
Chr4	90437298	90438340 <i>Gm12633,Elavl2</i>	hs643
Chr4	91027482	91028588 <i>Gm12633,Elavl2</i>	hs309
Chr4	98107609	98110094 <i>Nfia(INTRAGENIC)</i>	hs1309
Chr4	98221540	98224627 <i>Nfia,Tm2d1</i>	hs1484
Chr4	98242382	98245050 <i>Nfia,Tm2d1</i>	hs1450
Chr4	99294411	99295982 <i>Atg4c,Foxd3</i>	hs311
Chr4	99353164	99354624 <i>Atg4c,Foxd3</i>	hs168
Chr4	99374142	99375600 <i>Atg4c,Foxd3</i>	hs169
Chr4	99573882	99574766 <i>Atg4c,Foxd3</i>	hs764
Chr5	101031954	101033223 <i>Gpat3,Nkx6-1</i>	hs712
Chr5	101496956	101497906 <i>Gpat3,Nkx6-1</i>	hs680
Chr5	106564330	106566018 <i>Barhl2,Zfp644</i>	hs612
Chr5	111054482	111055796 <i>Mir701,Pitpnb</i>	hs1645

Chr5	111508634	111510493	<i>Mn1, C130026l21rik</i>	mm594
Chr5	111577305	111578296	<i>Mn1, C130026l21rik</i>	mm621
Chr5	111601262	111602739	<i>C130026l21rik, E130006d01rik</i>	mm622
Chr5	111675073	111676405	<i>C130026l21rik, E130006d01rik</i>	mm921
Chr5	112236129	112240520	<i>Miat, Cryba4</i>	mm1451
Chr5	112663045	112665135	<i>1700034g24rik, Myo18b</i>	mm1731
Chr5	114298723	114301210	<i>Foxn4, Myo1h</i>	mm1522
Chr5	12505539	12509076	<i>Sema3d(INTRAGENIC)</i>	mm832
Chr5	12764374	12765239	<i>Sema3d, Sema3a</i>	hs2328
Chr5	119650220	119652750	<i>G630008e18, Tbx3</i>	mm1178
Chr5	120135778	120136934	<i>Gm10390(INTRAGENIC)</i>	mm144
Chr5	120135887	120136924	<i>Gm10390(INTRAGENIC)</i>	hs1673
Chr5	120287382	120288927	<i>Gm10390, Lhx5</i>	hs1571
Chr5	122032502	122033355	<i>Cux2(INTRAGENIC)</i>	hs611
Chr5	125214963	125216753	<i>Ncor2, Scarb1</i>	mm1533
Chr5	125392751	125395599	<i>Ubc, Dhx37</i>	mm1607
Chr5	131580375	131582371	<i>Auts2(INTRAGENIC)</i>	hs925
Chr5	131918853	131921484	<i>4930563f08rik, Castor2</i>	hs2318
Chr5	131929775	131931745	<i>4930563f08rik, Castor2</i>	hs2317
Chr5	131948445	131949773	<i>4930563f08rik, Castor2</i>	hs658
Chr5	131989442	131991815	<i>4930563f08rik, Castor2</i>	hs2316
Chr5	132032771	132035460	<i>4930563f08rik, Castor2</i>	hs1425
Chr5	132228611	132230349	<i>4930563f08rik, Castor2</i>	hs1660
Chr5	132229152	132230360	<i>4930563f08rik, Castor2</i>	mm131
Chr5	132293079	132295164	<i>4930563f08rik, Castor2</i>	hs2315
Chr5	136861070	136864935	<i>Emid2(INTRAGENIC)</i>	mm1626
Chr5	139536245	139537428	<i>4930500l23rik(INTRAGENIC)</i>	hs293
Chr5	142999832	143002122	<i>Rnf216(INTRAGENIC)</i>	mm1619
Chr5	143000569	143009825	<i>Rnf216(INTRAGENIC)</i>	hs1623
Chr5	147155041	147156530	<i>Polr1d, Gsx1</i>	hs1568
Chr5	147222660	147224221	<i>Gsx1, 2210019i11rik</i>	hs532
Chr5	15966035	15967426	<i>Cacna2d1(INTRAGENIC)</i>	hs2419
Chr5	149320224	149322595	<i>Alox5ap, 6330406i15rik</i>	hs1515
Chr5	149352159	149354367	<i>Alox5ap, 6330406i15rik</i>	mm1702
Chr5	20079132	20082788	<i>Magi2(INTRAGENIC)</i>	mm43
Chr5	20493774	20494889	<i>Magi2(INTRAGENIC)</i>	mm389
Chr5	21731579	21734432	<i>Napepld, Pmpcb</i>	mm1463
Chr5	24730554	24731843	<i>Wdr86, Crygn</i>	mm394
Chr5	25005604	25008341	<i>4933426d04rik, 2900005j15rik</i>	hs2199
Chr5	25008595	25011977	<i>4933426d04rik, 2900005j15rik</i>	hs2200
Chr5	28178923	28180422	<i>En2, Cnpy1</i>	hs1418
Chr5	33575293	33575875	<i>4933407h18rik, Fam53a</i>	hs526
Chr5	37818652	37819645	<i>Cyt1l, Msx1</i>	mm425
Chr5	37825669	37829220	<i>Msx1as, Stx18</i>	mm426
Chr5	37901106	37902493	<i>Msx1as, Stx18</i>	mm427
Chr5	37917742	37918594	<i>Msx1as, Stx18</i>	mm428
Chr5	37967623	37969196	<i>Msx1as, Stx18</i>	mm429
Chr5	38060247	38061421	<i>Stx18(INTRAGENIC)</i>	hs746
Chr5	38085377	38086670	<i>Stx18(INTRAGENIC)</i>	mm1165
Chr5	4856663	4859895	<i>Cdk14(INTRAGENIC)</i>	hs1633
Chr5	4867060	4869936	<i>Cdk14(INTRAGENIC)</i>	hs1628

Chr5	4875240	4879650 <i>Cdk14</i> (INTRAGENIC)	hs1627
Chr5	42522949	42524031 <i>Bod1l</i> , <i>Gm7854</i>	hs842
Chr5	5007239	5009906 <i>Cdk14</i> (INTRAGENIC)	mm49
Chr5	51591179	51592760 <i>Ppargc1a</i> , <i>Dhx15</i>	hs2346
Chr5	64876784	64878781 <i>Klf3</i> , <i>Tlr1</i>	mm1725
Chr5	67423705	67424669 <i>Bend4</i> (INTRAGENIC)	hs847
Chr5	74431979	74435797 <i>Scfd2</i> (INTRAGENIC)	hs1460
Chr5	75012461	75013668 <i>Chic2</i> (INTRAGENIC)	hs687
Chr5	75071388	75072201 <i>Chic2</i> , <i>Gsx2</i>	hs678
Chr5	76662343	76666797 <i>Cep135</i> , <i>C530008m17rik</i>	hs1651
Chr5	77486940	77489925 <i>Igfbp7</i> , <i>Pea15b</i>	mm1340
Chr5	78283386	78285475 <i>Pea15b</i> , <i>Adgrl3</i>	mm34
Chr5	84811330	84812261 <i>Epha5</i> , <i>Cenpc1</i>	hs840
Chr5	93131077	93135726 <i>Sept11</i> (INTRAGENIC)	mm39
Chr6	11534744	11535814 <i>Aa545190</i> , <i>Ndufa4</i>	hs793
Chr6	112808528	112813000 <i>Srgap3</i> (INTRAGENIC)	mm1480
Chr6	118186382	118187263 <i>Ret</i> (INTRAGENIC)	hs2326
Chr6	118224140	118225287 <i>Ret</i> , <i>1700069p05rik</i>	hs2498
Chr6	118300499	118301761 <i>1700069p05rik</i> , <i>Bms1</i>	hs2497
Chr6	118327024	118327138 <i>1700069p05rik</i> , <i>Bms1</i>	hs2327
Chr6	120353928	120355330 <i>Ccdc77</i> (INTRAGENIC)	hs1574
Chr6	120928614	120932248 <i>Bid</i> , <i>Mical3</i>	hs2543
Chr6	127250137	127252417 <i>9330179d12rik</i> , <i>Parp11</i>	mm1531
Chr6	137823549	137824777 <i>Dera</i> (INTRAGENIC)	hs798
Chr6	138250896	138252847 <i>Mgst1</i> , <i>Lmo3</i>	hs607
Chr6	138379417	138380507 <i>Lmo3</i> (INTRAGENIC)	hs336
Chr6	138581719	138583348 <i>Lmo3</i> , <i>Igfbp1b</i>	hs661
Chr6	138750055	138755631 <i>Igfbp1b</i> , <i>4922502n22rik</i>	hs1532
Chr6	138872005	138874064 <i>Igfbp1b</i> , <i>4922502n22rik</i>	hs993
Chr6	139142856	139144124 <i>Igfbp1b</i> , <i>4922502n22rik</i>	hs605
Chr6	139278532	139280000 <i>Igfbp1b</i> , <i>4922502n22rik</i>	hs579
Chr6	139293287	139294551 <i>Igfbp1b</i> , <i>4922502n22rik</i>	hs980
Chr6	14980242	14981244 <i>Foxp2</i> (INTRAGENIC)	hs720
Chr6	142666341	142669080 <i>5330439b14rik</i> , <i>Cmas</i>	hs2151
Chr6	143437339	143439026 <i>D6ertd474e</i> , <i>1700060c16rik</i>	mm451
Chr6	143497298	143500849 <i>D6ertd474e</i> , <i>1700060c16rik</i>	hs1603
Chr6	144312294	144314020 <i>Sox5</i> , <i>4933425h06rik</i>	hs895
Chr6	145855046	145857046 <i>Rassf8</i> , <i>Bhlhe41</i>	mm1548
Chr6	15187323	15189118 <i>Foxp2</i> (INTRAGENIC)	hs218
Chr6	15257106	15258522 <i>Foxp2</i> (INTRAGENIC)	hs999
Chr6	15368271	15370231 <i>Foxp2</i> (INTRAGENIC)	hs1080
Chr6	15411326	15413759 <i>Foxp2</i> (INTRAGENIC)	hs956
Chr6	15435024	15437812 <i>Foxp2</i> (INTRAGENIC)	hs966
Chr6	15610145	15610753 <i>Foxp2</i> , <i>Mdfic</i>	hs1192
Chr6	16725956	16729599 <i>Mdfic</i> , <i>Tfec</i>	hs1798
Chr6	23271299	23275344 <i>Cadps2</i> (INTRAGENIC)	hs1809
Chr6	28395025	28398247 <i>Zfp800</i> , <i>Gcc1</i>	hs1308
Chr6	35631495	35637015 <i>Mtpn</i> , <i>9330158h04rik</i>	hs2077
Chr6	39239568	39243498 <i>Kdm7a</i> , <i>Slc37a3</i>	hs2082
Chr6	39541755	39546349 <i>Dennd2a</i> (INTRAGENIC)	mm1321
Chr6	4456170	4459324 <i>Bet1</i> , <i>Col1a2</i>	hs1626

Chr6	4553537	4555066	<i>Col1a2, Casd1</i>	mm400
Chr6	50821119	50823589	<i>C530044c16rik, Mir148a</i>	mm402
Chr6	50889578	50892588	<i>C530044c16rik, Mir148a</i>	hs1677
Chr6	50924548	50926237	<i>C530044c16rik, Mir148a</i>	mm403
Chr6	50956956	50958238	<i>C530044c16rik, Mir148a</i>	mm404
Chr6	50981071	50982330	<i>C530044c16rik, Mir148a</i>	mm405
Chr6	50983967	50984810	<i>C530044c16rik, Mir148a</i>	mm406
Chr6	51001488	51004105	<i>C530044c16rik, Mir148a</i>	hs1600
Chr6	51076186	51078598	<i>C530044c16rik, Mir148a</i>	hs1325
Chr6	51708576	51709543	<i>Snx10, Skap2</i>	hs769
Chr6	51857235	51858614	<i>Snx10, Skap2</i>	mm412
Chr6	51878612	51879694	<i>Skap2(INTRAGENIC)</i>	hs296
Chr6	52319082	52320287	<i>Evx1, 1700094m24rik</i>	hs629
Chr6	52365164	52368224	<i>Evx1, 1700094m24rik</i>	mm1524
Chr6	53468299	53472380	<i>9430076c15rik, Creb5</i>	hs1604
Chr6	6161772	6164755	<i>Slc25a13(INTRAGENIC)</i>	hs1642
Chr6	6316533	6317120	<i>Slc25a13, Sem1</i>	hs2312
Chr6	6363941	6364446	<i>Slc25a13, Sem1</i>	hs2311
Chr6	6861655	6862377	<i>Dlx6as1(INTRAGENIC)</i>	hs298
Chr6	61041566	61044404	<i>Mmrn1, A730020e08rik</i>	hs1374
Chr6	65309702	65311689	<i>Hpgds, Qrfprl</i>	mm1557
Chr6	71989333	71992061	<i>Polr1a, 9130221f21rik</i>	mm1722
Chr6	72215186	72218828	<i>Atoh8(INTRAGENIC)</i>	mm123
Chr6	72710179	72712952	<i>Gm15401, Kcmf1</i>	mm1474
Chr6	85164955	85166474	<i>Spr, Emx1</i>	hs1025
Chr6	89241345	89243919	<i>Gm839, Plxna1</i>	mm1516
Chr6	89613039	89615855	<i>Chchd6, Txnrd3</i>	mm1597
Chr6	9834714	9835886	<i>Nxph1, Aa545190</i>	hs799
Chr6	90780495	90784241	<i>lqsec1, Nup210</i>	mm1470
Chr6	91144563	91149338	<i>Nup210, Hdac11</i>	mm1314
Chr6	93818356	93823383	<i>Magi1(INTRAGENIC)</i>	mm1316
Chr6	94647419	94648994	<i>Lrig1(INTRAGENIC)</i>	mm1736
Chr6	94753098	94757440	<i>Lrig1, 4930511e03rik</i>	mm878
Chr6	98112394	98114832	<i>Mitf, Gm765</i>	mm60
Chr6	99066719	99068664	<i>Foxp1(INTRAGENIC)</i>	hs1092
Chr6	99189657	99191464	<i>Foxp1(INTRAGENIC)</i>	hs630
Chr6	99201230	99203437	<i>Foxp1(INTRAGENIC)</i>	hs187
Chr6	99346432	99348661	<i>Foxp1(INTRAGENIC)</i>	hs1116
Chr6	99466876	99467819	<i>Foxp1, Eif4e3</i>	hs1149
Chr7	93060869	93063626	<i>Prpc, Fam181b</i>	mm1534
Chr7	98956508	98958633	<i>Uvrags(INTRAGENIC)</i>	hs1435
Chr7	108796607	108799113	<i>Olf513, Olf514</i>	mm686
Chr7	109113133	109117303	<i>Ric3, Lmo1</i>	hs1859
Chr7	110162809	110166321	<i>Wee1, Swap70</i>	mm725
Chr7	110667926	110669627	<i>Adm, Ampd3</i>	hs2289
Chr7	112824612	112827409	<i>Tead1(INTRAGENIC)</i>	hs1314
Chr7	115131420	115132739	<i>A730082k24rik, Sox6</i>	hs692
Chr7	115644905	115646551	<i>Sox6(INTRAGENIC)</i>	hs1720
Chr7	115745167	115746401	<i>Sox6(INTRAGENIC)</i>	hs883
Chr7	115824528	115825832	<i>Sox6(INTRAGENIC)</i>	hs717
Chr7	115864594	115867473	<i>Sox6(INTRAGENIC)</i>	hs1301

Chr7	117685707	117687616	<i>Xylt1,Rps15a</i>	mm1558
Chr7	123096694	123099867	<i>Rbbp6,Tnrc6a</i>	mm1484
Chr7	129743441	129744988	<i>Wdr11,Gm4265</i>	mm607
Chr7	130425765	130427321	<i>Ate1(INTRAGENIC)</i>	mm938
Chr7	130667903	130671018	<i>Tacc2(INTRAGENIC)</i>	mm1647
Chr7	131463946	131465852	<i>Acadsb,Hmx3</i>	hs1319
Chr7	131777679	131778766	<i>Bub3,Gpr26</i>	hs578
Chr7	133189780	133190441	<i>4930483o08rik,4930404h21rik</i>	hs330
Chr7	135137921	135140618	<i>Insyn2a,1700120g07rik</i>	mm1401
Chr7	136083205	136084349	<i>Mki67,C230079o03</i>	hs737
Chr7	136490620	136492389	<i>C230079o03,Gm6249</i>	hs699
Chr7	136737154	136739340	<i>Gm6249,Mgmt</i>	hs562
Chr7	137002009	137003274	<i>Mgmt(INTRAGENIC)</i>	hs656
Chr7	137250056	137251790	<i>Gm10578,9430038i01rik</i>	hs232
Chr7	140056813	140059080	<i>Msx3,Caly</i>	mm1489
Chr7	142547512	142549546	<i>Nctc1(INTRAGENIC)</i>	hs1488
Chr7	142551566	142554813	<i>Nctc1(INTRAGENIC)</i>	mm50
Chr7	142568912	142573912	<i>Nctc1,H19</i>	mm47
Chr7	145204877	145207696	<i>Ccnd1,Tpcn2</i>	mm1497
Chr7	19216979	19219018	<i>Gpr4(INTRAGENIC)</i>	mm1753
Chr7	34265155	34269793	<i>4931406p16rik(INTRAGENIC)</i>	mm1379
Chr7	36944652	36945744	<i>Tshz3,Zfp536</i>	hs385
Chr7	37514718	37516040	<i>Zfp536(INTRAGENIC)</i>	hs384
Chr7	37649561	37652733	<i>Zfp536(INTRAGENIC)</i>	hs430
Chr7	37743015	37744606	<i>Zfp536(INTRAGENIC)</i>	hs858
Chr7	37896462	37897435	<i>Zfp536,C80913</i>	hs721
Chr7	37904895	37905961	<i>Zfp536,C80913</i>	hs382
Chr7	37970403	37971286	<i>C80913(INTRAGENIC)</i>	hs381
Chr7	48749001	48750980	<i>Mrgprb3,Zdhhc13</i>	mm1586
Chr7	48824185	48826415	<i>Zdhhc13(INTRAGENIC)</i>	hs2144
Chr7	51770962	51773465	<i>Slc17a6,Fancf</i>	mm683
Chr7	63956077	63960826	<i>E030018b13rik,Trpm1</i>	hs2231
Chr7	70117148	70119432	<i>4930402f11rik,Nr2f2</i>	hs1320
Chr7	72540417	72543228	<i>Mctp2,Gm6567</i>	hs1686
Chr7	75909983	75910682	<i>Klhl25,Agbl1</i>	mm485
Chr7	76437642	76440363	<i>Agbl1(INTRAGENIC)</i>	mm1397
Chr7	78716894	78720086	<i>E430016f16rik,Mrpl46</i>	hs2510
Chr7	83811918	83815428	<i>Cfap161,Tlnrd1</i>	mm729
Chr8	98309177	98310337	<i>Mir1186b,Cdh8</i>	hs1383
Chr8	103077237	103078991	<i>Cdh11,4933400l20rik</i>	mm40
Chr8	108025350	108029327	<i>Psmc7,Zfhx3</i>	hs1612
Chr8	108243823	108246831	<i>Psmc7,Zfhx3</i>	mm1540
Chr8	108454367	108455837	<i>Psmc7,Zfhx3</i>	hs1724
Chr8	109034349	109035846	<i>Mir3108,Gm1943</i>	hs20
Chr8	109436455	109437561	<i>Gm1943,Pmfbbp1</i>	hs22
Chr8	111716205	111718382	<i>Bcar1(INTRAGENIC)</i>	mm1686
Chr8	114744435	114745938	<i>Wwox(INTRAGENIC)</i>	hs12
Chr8	116163758	116166268	<i>Maf,Dynlrb2</i>	mm1394
Chr8	116335144	116337629	<i>Maf,Dynlrb2</i>	hs4
Chr8	12065991	12066965	<i>1700018l24rik,Gm5607</i>	hs1246
Chr8	120347326	120349077	<i>Fam92b,Gse1</i>	mm1642

Chr8	120423908	120427305 <i>Fam92b</i> , <i>Gse1</i>	mm1674
Chr8	121002895	121003512 <i>Irf8</i> , <i>1110050k14rik</i>	hs1
Chr8	121170103	121171139 <i>Foxl1</i> , <i>1700018b08rik</i>	mm241
Chr8	121667955	121670941 <i>Zcchc14</i> , <i>Jph3</i>	mm323
Chr8	124642912	124645752 <i>2310022b05rik</i> (INTRAGENIC)	mm1665
Chr8	124643702	124645898 <i>2310022b05rik</i> (INTRAGENIC)	hs1766
Chr8	125217043	125219851 <i>Disc1</i> (INTRAGENIC)	mm149
Chr8	126665421	126667756 <i>Irf2bp2</i> , <i>Tomm20</i>	mm1295
Chr8	13622329	13626370 <i>Rasa3</i> (INTRAGENIC)	mm1751
Chr8	15047444	15051156 <i>Bb014433</i> , <i>Myom2</i>	hs2514
Chr8	25342689	25344335 <i>5430421f17rik</i> , <i>Fgfr1</i>	mm610
Chr8	25439932	25441457 <i>5430421f17rik</i> , <i>Fgfr1</i>	mm595
Chr8	25440188	25442103 <i>5430421f17rik</i> , <i>Fgfr1</i>	mm919
Chr8	25543011	25545762 <i>Fgfr1</i> (INTRAGENIC)	mm612
Chr8	26384787	26385647 <i>Thap1</i> , <i>2310008n11rik</i>	hs631
Chr8	26832486	26834858 <i>2310008n11rik</i> , <i>Zfp703</i>	mm1598
Chr8	30647939	30649074 <i>4933433f19rik</i> , <i>Dusp26</i>	hs1715
Chr8	31942005	31944993 <i>Nrg1</i> , <i>Gm8179</i>	mm151
Chr8	46770571	46772246 <i>Irf2</i> (INTRAGENIC)	mm9
Chr8	50708168	50709135 <i>Gm2516</i> , <i>Aga</i>	hs886
Chr8	56914551	56916754 <i>Fbxo8</i> , <i>Hand2</i>	mm1688
Chr8	57333128	57334891 <i>Hand2</i> , <i>Scrg1</i>	mm1283
Chr8	7439758	7441123 <i>Slc10a2</i> , <i>Efnb2</i>	hs759
Chr8	77266899	77270239 <i>Arhgap10</i> (INTRAGENIC)	hs2100
Chr8	8488054	8491339 <i>Slc10a2</i> , <i>Efnb2</i>	mm985
Chr8	77671733	77672642 <i>Ednra</i> (INTRAGENIC)	mm761
Chr8	78740514	78743542 <i>Slc10a7</i> , <i>Lsm6</i>	mm1335
Chr8	80314046	80315940 <i>Hhip</i> , <i>Gypa</i>	hs906
Chr8	84728902	84732705 <i>Nfix</i> (INTRAGENIC)	mm21
Chr8	84741861	84745040 <i>Nfix</i> (INTRAGENIC)	mm1615
Chr8	84741926	84745230 <i>Nfix</i> (INTRAGENIC)	hs1900
Chr8	87120551	87122269 <i>N4bp1</i> , <i>Gm10637</i>	hs101
Chr8	87151207	87154296 <i>N4bp1</i> , <i>Gm10637</i>	mm1336
Chr8	87270549	87271379 <i>Gm10637</i> , <i>Cbln1</i>	hs124
Chr8	87835970	87837269 <i>Zfp423</i> (INTRAGENIC)	hs625
Chr8	88774689	88776074 <i>Cyld</i> , <i>Sall1</i>	hs162
Chr8	88939020	88940224 <i>Cyld</i> , <i>Sall1</i>	hs79
Chr8	89005819	89007424 <i>Cyld</i> , <i>Sall1</i>	hs152
Chr8	89086387	89087574 <i>Sall1</i> , <i>Tox3</i>	hs76
Chr8	89270665	89273482 <i>Sall1</i> , <i>Tox3</i>	mm984
Chr8	89323884	89325178 <i>Sall1</i> , <i>Tox3</i>	hs848
Chr8	89371089	89371832 <i>Sall1</i> , <i>Tox3</i>	hs74
Chr8	89386847	89388302 <i>Sall1</i> , <i>Tox3</i>	hs73
Chr8	89464933	89465803 <i>Sall1</i> , <i>Tox3</i>	hs71
Chr8	90213533	90214666 <i>Sall1</i> , <i>Tox3</i>	hs161
Chr8	90243821	90246886 <i>Sall1</i> , <i>Tox3</i>	hs1300
Chr8	90738604	90742411 <i>Tox3</i> , <i>Chd9</i>	mm871
Chr8	90860971	90863490 <i>Chd9</i> (INTRAGENIC)	mm1483
Chr8	91305057	91306285 <i>Rpgrip1l</i> (INTRAGENIC)	hs59
Chr8	91508767	91510326 <i>Fto</i> (INTRAGENIC)	hs155
Chr8	91538298	91539821 <i>Fto</i> (INTRAGENIC)	hs157

Chr8	91545726	91547572 <i>Fto</i> (INTRAGENIC)	hs156
Chr8	91664604	91665497 <i>Fto</i> (INTRAGENIC)	hs52
Chr8	91804616	91805515 <i>Irx3,4933436c20rik</i>	hs51
Chr8	91966331	91968303 <i>Irx3,4933436c20rik</i>	mm1651
Chr8	92025551	92027539 <i>Irx3,4933436c20rik</i>	hs43
Chr8	92094559	92095829 <i>Irx3,4933436c20rik</i>	hs37
Chr8	92449353	92450411 <i>Irx5,Irx6</i>	hs27
Chr8	92545404	92546474 <i>Irx5,Irx6</i>	hs26
Chr8	92648089	92649598 <i>Irx5,Irx6</i>	hs151
Chr8	92742867	92744200 <i>Irx6,Mmp2</i>	hs23
Chr8	93916782	93919741 <i>4930488l21rik,Amfr</i>	mm1458
Chr9	100130871	100131770 <i>4930519f24rik,Il20rb</i>	hs653
Chr9	100194020	100195329 <i>4930519f24rik,Il20rb</i>	hs210
Chr9	100210151	100211937 <i>4930519f24rik,Il20rb</i>	hs209
Chr9	102643318	102645182 <i>Anapc13,Amotl2</i>	mm1302
Chr9	106354104	106358319 <i>Poc1a,Dusp7</i>	mm1475
Chr9	117191214	117193679 <i>Rbms3</i> (INTRAGENIC)	mm1697
Chr9	118317970	118319794 <i>Cmc1,4933432g23rik</i>	hs1557
Chr9	118858597	118861666 <i>Itga9</i> (INTRAGENIC)	hs1961
Chr9	119629961	119635759 <i>Scn10a</i> (INTRAGENIC)	hs2268
Chr9	120601909	120604533 <i>Rpl14,1700020m21rik</i>	mm1406
Chr9	120618446	120621531 <i>Rpl14,1700020m21rik</i>	mm976
Chr9	121311714	121314947 <i>Ulk4,Trak1</i>	mm1661
Chr9	13697970	13700760 <i>Maml2</i> (INTRAGENIC)	mm1371
Chr9	14173191	14175995 <i>Fam76b,Sesn3</i>	hs2531
Chr9	23010878	23012755 <i>Bbs9,Bmper</i>	mm1296
Chr9	23083132	23084710 <i>Bbs9,Bmper</i>	mm1696
Chr9	23377927	23379852 <i>Bmper</i> (INTRAGENIC)	hs1336
Chr9	24748244	24749108 <i>Tbx20</i> (INTRAGENIC)	hs466
Chr9	24919749	24921117 <i>Tbx20,Herpud2</i>	hs461
Chr9	24922166	24923116 <i>Tbx20,Herpud2</i>	hs472
Chr9	35423876	35427017 <i>4933422a05rik,Cdon</i>	hs1641
Chr9	37053339	37055278 <i>Pknox2</i> (INTRAGENIC)	mm577
Chr9	41734978	41737961 <i>Mir125b-1,Sorl1</i>	mm1608
Chr9	41735463	41736836 <i>Mir125b-1,Sorl1</i>	hs872
Chr9	41889010	41892513 <i>Mir125b-1,Sorl1</i>	mm734
Chr9	41949140	41954525 <i>Mir125b-1,Sorl1</i>	mm1493
Chr9	43564181	43568174 <i>Trim29,Nectin1</i>	hs1915
Chr9	46381147	46381838 <i>4931429l15rik,2900052n01rik</i>	hs1632
Chr9	52147924	52150392 <i>Zc3h12c</i> (INTRAGENIC)	hs1311
Chr9	61600844	61603666 <i>Tle3,Rplp1</i>	mm29
Chr9	62414649	62415677 <i>Anp32a,Coro2b</i>	mm210
Chr9	63058010	63060489 <i>Pias1,Skor1</i>	mm1509
Chr9	63523990	63524533 <i>Iqch</i> (INTRAGENIC)	hs358
Chr9	63880198	63881507 <i>Smad3,Smad6</i>	hs660
Chr9	71974986	71975900 <i>Tcf12</i> (INTRAGENIC)	hs623
Chr9	71975967	71976730 <i>Tcf12</i> (INTRAGENIC)	hs357
Chr9	72639094	72641466 <i>Rfx7,Nedd4</i>	mm1473
Chr9	86186309	86188376 <i>Tpbpg,Ube2cbp</i>	mm1553
Chr9	87155250	87164091 <i>Mrap2</i> (INTRAGENIC)	hs2063
Chr9	88048577	88050948 <i>Tbx18,Nt5e</i>	mm898

Chr9	90419621	90421316 <i>Tbc1d2b,Zic1</i>	hs1115
Chr9	90691309	90692525 <i>Tbc1d2b,Zic1</i>	hs1203
Chr9	90692809	90693922 <i>Tbc1d2b,Zic1</i>	hs654
Chr9	90833186	90835005 <i>Tbc1d2b,Zic1</i>	hs1224
Chr9	90902260	90905637 <i>Tbc1d2b,Zic1</i>	hs1573
Chr9	91087948	91090091 <i>Tbc1d2b,Zic1</i>	hs1173
Chr9	91366858	91368202 <i>Zic1,Zic4</i>	hs1043
Chr9	95812717	95815609 <i>Pls1(INTRAGENIC)</i>	mm1367
Chr9	99773254	99774438 <i>Cldn18,Sox14</i>	hs843
Chr2	32053416	32057197 <i>Nup214,Fam78a</i>	hs1963
Chr2	32054951	32055806 <i>Nup214,Fam78a</i>	hs1963
Chr1	179385809	179386339 <i>Smyd3(INTRAGENIC)</i>	hs2070
Chr16	92273596	92276911 <i>Linc00310,Kcne2</i>	hs2174
Chr11	3125665	3127821 <i>Mir7109,Prr14l</i>	hs2240
Chr5	32742603	32744095 <i>Mir7109,Prr14l</i>	hs2240
Chr6	6058480	6059027 <i>Slc25a13(INTRAGENIC)</i>	hs2313
Chr2	147875456	147879482 <i>Loc284788(INTRAGENIC)</i>	hs2547
Chr2	147876114	147878674 <i>Loc284788(INTRAGENIC)</i>	hs2547
Chr1	93820269	93822146 <i>Tagap,Fndc1</i>	hs2576

Duplicate IDs exist here a given region in the mouse (mm10) genome are split in the human (hg19) genome

Supplemental Table S5: Thylacine accelerated regions (TARs)

Mouse chromosome	Alignment Start position (in reference)	Alignment End position (in reference)	Subalignment ID	ACC vs Neutral (p-value)	BH Pass (ACC)	gBGC vs Neutral (p-value)	BH Pass (gBGC)	gBGC+Sel vs gBGC (p-value)	BH Pass (gBGC+Sel)	VISTA Enhancer ID
Chr1	4544304	4544305	4544305	0.0000	TRUE	TRUE	1	FALSE	0.01294941	
Chr1	4617621	4617620	Chr1.880	0.0003	TRUE	TRUE	1	FALSE	0.018300221	
Chr1	4653996	4654325	Chr1.912	0.00022	TRUE	TRUE	1	FALSE	0.008405512	
Chr1	9389596	9389596	Chr1.2539	0.0004	FALSE	FALSE	1	FALSE	0.007316242	
Chr1	12436249	12436444	Chr1.3896	0.00306	TRUE	TRUE	1	FALSE	0.024794927	
Chr1	12510153	12510285	Chr1.3947	0	TRUE	TRUE	1	FALSE	0.000421136	
Chr1	12671710	1267216	Chr1.4054	0	TRUE	FALSE	1	FALSE	0.006950512	
Chr1	12725528	12725335	Chr1.4176	0.00033	TRUE	TRUE	1	FALSE	0.012722924	
Chr1	12744602	12744799	Chr1.4209	0.00003	TRUE	TRUE	1	FALSE	0.022034131	
Chr1	12776211	12776500	Chr1.4244	0.00001	TRUE	TRUE	1	FALSE	0.011069641	
Chr1	13224082	13225082	Chr1.4919	0.0001	TRUE	TRUE	1	FALSE	0.001017945	
Chr1	13782594	13782889	Chr1.5308	0	TRUE	TRUE	1	FALSE	6.98E-06	
Chr1	14105981	14168179	Chr1.5686	0.00022	TRUE	TRUE	1	FALSE	0.002926187	
Chr1	14320846	14305858	Chr1.5902	0.00518	TRUE	TRUE	1	FALSE	0.015513554	
Chr1	14513020	14513180	Chr1.6170	0.00007	TRUE	TRUE	1	FALSE	0.003933999	
Chr1	14566400	14566554	Chr1.6227	0.00032	TRUE	TRUE	1	FALSE	0.00127908	
Chr1	14712454	14712829	Chr1.6434	0	FALSE	FALSE	1	FALSE	0.006989437	
Chr1	15625049	15652177	Chr1.7174	0.00003	TRUE	TRUE	1	FALSE	0.001166011	
Chr1	16135029	16136320	Chr1.7665	0	TRUE	TRUE	1	FALSE	0.00105627	
Chr1	16249347	16249623	Chr1.7788	0	TRUE	TRUE	1	FALSE	1.0E-05	
Chr1	16293309	16293459	Chr1.7802	0.00031	TRUE	TRUE	1	FALSE	0.016403277	
Chr1	16295877	16296111	Chr1.7880	0.00006	TRUE	TRUE	1	FALSE	0.020836758	
Chr1	17096705	17096823	Chr1.8359	0.00003	TRUE	TRUE	1	FALSE	0.00069814	
Chr1	17718070	17718020	Chr1.8764	0.00011	TRUE	TRUE	1	FALSE	0.026633073	
Chr1	19681319	19681606	Chr1.10292	0.00227	TRUE	TRUE	1	FALSE	0.016529398	
Chr1	24107936	24108121	Chr1.13999	0.00002	TRUE	TRUE	1	FALSE	0.002580238	
Chr1	24598900	24598970	Chr1.14732	0	FALSE	FALSE	0	FALSE	0.00317417	
Chr1	29405799	29406069	Chr1.16541	0	TRUE	TRUE	1	FALSE	2.48E-05	
Chr1	39902855	39903224	Chr1.24196	0	TRUE	TRUE	1	FALSE	7.94E-05	
Chr1	39932805	39932719	Chr1.24212	0.00011	TRUE	FALSE	1	FALSE	0.006728977	
Chr1	40000524	40000639	Chr1.24293	0.00005	TRUE	TRUE	1	FALSE	0.016271611	
Chr1	41007121	41007399	Chr1.25188	0	TRUE	TRUE	1	FALSE	0.000172366	
Chr1	41805791	41805885	Chr1.25789	0	TRUE	0.374669768	FALSE	FALSE	3.33E-06	hs1526
Chr1	41853966	41853315	Chr1.25845	0	TRUE	TRUE	1	FALSE	7.78E-05	
Chr1	41889319	41888534	Chr1.26074	0.00078	TRUE	TRUE	1	FALSE	0.002140487	
Chr1	41898862	41890101	Chr1.26089	0	TRUE	TRUE	1	FALSE	0.000764733	
Chr1	41892532	41892765	Chr1.26122	0	FALSE	FALSE	0	FALSE	0.127E-05	
Chr1	41918444	41919066	Chr1.26178	0	TRUE	TRUE	1	FALSE	0.002069054	
Chr1	42107727	42107839	Chr1.26332	0.00006	TRUE	TRUE	1	FALSE	0.00324638	
Chr1	42153351	42153452	Chr1.26383	0.00047	TRUE	TRUE	1	FALSE	0.018483238	
Chr1	42243028	42244278	Chr1.26518	0	FALSE	TRUE	1	FALSE	0.01133708	
Chr1	42352710	42352920	Chr1.26655	0.00001	TRUE	TRUE	1	FALSE	0.003688104	
Chr1	42527678	42527901	Chr1.26895	0.00009	TRUE	TRUE	1	FALSE	0.01836539	
Chr1	42673553	42673775	Chr1.27096	0.00006	FALSE	FALSE	0	FALSE	0.025079991	
Chr1	42696810	42696939	Chr1.27138	0.00001	TRUE	TRUE	1	FALSE	0.001577455	
Chr1	42701277	42701517	Chr1.27224	0.00001	TRUE	TRUE	1	FALSE	0.003851837	
Chr1	42704707	42704981	Chr1.27246	0	FALSE	FALSE	0	FALSE	0.008951723	
Chr1	42770783	42770969	Chr1.27363	0.00109	TRUE	TRUE	1	FALSE	0.008063662	
Chr1	45356077	45356249	Chr1.28782	0	TRUE	0.019798436	FALSE	FALSE	0.000493765	
Chr1	45761073	45761206	Chr1.29076	0.00001	TRUE	FALSE	1	FALSE	0.005431621	
Chr1	51126272	51126382	Chr1.31706	0	TRUE	0.849527779	FALSE	FALSE	0.007701978	
Chr1	51290554	51291123	Chr1.32051	0	TRUE	TRUE	1	FALSE	0.000683617	
Chr1	51333826	51334085	Chr1.32194	0	TRUE	TRUE	1	FALSE	2.04E-06	
Chr1	55202038	55202138	Chr1.35874	0	FALSE	TRUE	1	FALSE	0.000143807	
Chr1	57078067	57078219	Chr1.38217	0.0003	TRUE	TRUE	1	FALSE	0.021013111	
Chr1	57082925	57083176	Chr1.38231	0.00046	TRUE	TRUE	1	FALSE	0.011539003	
Chr1	57083221	57083385	Chr1.38233	0.00036	FALSE	FALSE	0	FALSE	0.018738801	
Chr1	57499536	57490299	Chr1.38768	0.00008	TRUE	TRUE	1	FALSE	0.013060652	
Chr1	57528842	57529142	Chr1.38820	0	TRUE	TRUE	1	FALSE	0.00356074	
Chr1	57820839	57820975	Chr1.39214	0.00002	TRUE	TRUE	1	FALSE	0.007229388	
Chr1	57847623	57847677	Chr1.39269	0	TRUE	TRUE	1	FALSE	0.001227923	
Chr1	59450639	59450808	Chr1.41639	0.00011	TRUE	TRUE	1	FALSE	0.00227825	
Chr1	61062129	61062482	Chr1.43425	0	TRUE	TRUE	1	FALSE	0.000891754	
Chr1	61143559	61143955	Chr1.43824	0	TRUE	TRUE	1	FALSE	6.53E-07	
Chr1	61233768	61234058	Chr1.43818	0	TRUE	TRUE	1	FALSE	0.000203649	
Chr1	61387869	61388379	Chr1.44210	0	TRUE	TRUE	1	FALSE	0.000303874	
Chr1	62086108	62086389	Chr1.45170	0.00004	FALSE	FALSE	0	FALSE	0.022631317	
Chr1	62706124	62706225	Chr1.46656	0.00059	TRUE	TRUE	1	FALSE	0.028716072	
Chr1	62729727	62729964	Chr1.46777	0	TRUE	TRUE	1	FALSE	0.000536668	
Chr1	62784522	62784834	Chr1.47099	0	TRUE	0.691021353	FALSE	FALSE	0.002367291	
Chr1	63768163	63768391	Chr1.48354	0.00006	TRUE	TRUE	1	FALSE	0.000101575	
Chr1	63999572	63999752	Chr1.48638	0.00003	TRUE	TRUE	1	FALSE	0.005398797	
Chr1	64226421	64226526	Chr1.49170	0	TRUE	TRUE	1	FALSE	0.000917156	
Chr1	64836105	64836417	Chr1.49947	0	TRUE	0.14928343	FALSE	FALSE	0.003185438	
Chr1	64843856	64844180	Chr1.49961	0	TRUE	TRUE	1	FALSE	6.03E-08	
Chr1	66389497	66387091	Chr1.50966	0.00075	TRUE	TRUE	1	FALSE	0.020897792	
Chr1	68047114	68047473	Chr1.53067	0.00002	TRUE	TRUE	1	FALSE	0.008072092	
Chr1	69513251	69513350	Chr1.54868	0.00015	FALSE	FALSE	0	FALSE	0.031032965	
Chr1	69629590	69629833	Chr1.55062	0.00003	TRUE	TRUE	1	FALSE	0.000848665	
Chr1	69768824	69769129	Chr1.55250	0	TRUE	TRUE	1	FALSE	3.37E-09	
Chr1	71836810	71836912	Chr1.57725	0	FALSE	FALSE	0	FALSE	0.003501972	
Chr1	71845179	71845394	Chr1.57740	0	TRUE	TRUE	1	FALSE	0.000240989	
Chr1	73118630	73118853	Chr1.59223	0	TRUE	TRUE	1	FALSE	0.001371122	
Chr1	73270810	73271141	Chr1.59385	0	FALSE	FALSE	0	FALSE	7.08E-05	
Chr1	73545362	73545804	Chr1.59716	0.00005	TRUE	TRUE	1	FALSE	0.004647682	
Chr1	73758718	73759105	Chr1.59960	0	TRUE	FALSE	0	FALSE	6.77E-05	
Chr1	74204445	74204765	Chr1.60063	0.00002	FALSE	FALSE	0	FALSE	0.01050906	
Chr1	74284867	74285162	Chr1.60773	0	TRUE	TRUE	1	FALSE	1.02E-06	
Chr1	74779038	74779158	Chr1.61964	0.00056	TRUE	TRUE	1	FALSE	0.015029354	
Chr1	74804703	74804942	Chr1.62062	0.00035	TRUE	TRUE	1	FALSE	0.01839455	
Chr1	74850377	74850484	Chr1.62082	0.00005	TRUE	TRUE	1	FALSE	0.003604508	
Chr1	74951949	74952105	Chr1.62450	0.00034	TRUE	0.160873765	FALSE	FALSE	0.029287645	
Chr1	74978538	74978979	Chr1.62490	0	TRUE	TRUE	1	FALSE	0.07E-11	
Chr1	75133970	75134097	Chr1.62867	0	FALSE	TRUE	1	FALSE	0.000589017	
Chr1	75190772	75190910	Chr1.62889	0.00003	TRUE	TRUE	1	FALSE	0.002977987	
Chr1	75218453	75218602	Chr1.63098	0.00008	TRUE	TRUE	1	FALSE	0.002054655	
Chr1	75244447	75244726	Chr1.63156	0	FALSE	FALSE	0	FALSE	1.26E-05	
Chr1	75446846	75447099	Chr1.63367	0.00003	TRUE	TRUE	1	FALSE	0.003171498	
Chr1	75667691	75667936	Chr1.64708	0	TRUE	TRUE	1	FALSE	0.012498411	
Chr1	75805022	75805090	Chr1.64718	0.00006	TRUE	TRUE	1	FALSE	0.003072891	
Chr1	75895731	75895961	Chr1.64987	0.00003	TRUE	TRUE	1	FALSE	0.02283451	
Chr1	75916729	75916916	Chr1.65035	0.00002	TRUE	TRUE	1	FALSE	0.001064163	
Chr1	76404034	76404271	Chr1.65781	0.00041	TRUE	TRUE	1	FALSE	0.000657371	
Chr1	76489840	76489752	Chr1.65898	0	FALSE	FALSE	0	FALSE	0.00083522	
Chr1	76664403	76664636	Chr1.66152	0.00051	TRUE	TRUE	1	FALSE	0.027417686	
Chr1	77246179	77246387	Chr1.67005	0.00019	TRUE	TRUE	1	FALSE	0.031081627	
Chr1	77407714	77407871	Chr1.67428	0	FALSE	FALSE	0	FALSE	0.001371369	
Chr1	78022528	78022768	Chr1.68409	0	TRUE	TRUE	1	FALSE	0.015735058	
Chr1	78027155	78027322	Chr1.68421	0.00007	TRUE	TRUE	1	FALSE	0.008402554	
Chr1	78167318	78167708	Chr1.68739	0	TRUE	TRUE	1	FALSE	0.001491286	
Chr1	78944305	78944522	Chr1.69409	0	FALSE	FALSE	0	FALSE	0.011610753	
Chr1	81593378	81593647	Chr1.71436	0.00009	TRUE	TRUE	1	FALSE	0.018684041	
Chr1	82273881	82273922	Chr1.72222	0.00004	TRUE	TRUE	1	FALSE	0.007234441	
Chr1	82265538	82265749	Chr1.72240	0	FALSE	FALSE	0	FALSE	0.00197794	
Chr1	82385756	82385909	Chr1.72509	0	TRUE	TRUE	1	FALSE	0.002951858	
Chr1	82476219	82476349	Chr1.72662	0.00008	TRUE	TRUE	1	FALSE	0.012142693	
Chr1	82728020	82728266	Chr1.73178	0.00001	TRUE	TRUE	1	FALSE	0.020035531	
Chr1	84537489	84537766	Chr1.74654	0.00005	TRUE	TRUE	1	FALSE	0.000496578	
Chr1	86587050	865								

Chr1	138876371	138876557	Chr1.115051	0.00003	TRUE	1	FALSE	0.001143901	TRUE	
Chr1	139153548	139153806	Chr1.115276	0.00084	TRUE	1	FALSE	0.023541249	TRUE	
Chr1	143840558	143840871	Chr1.117255	0.00006	TRUE	1	FALSE	0.016381191	TRUE	
Chr1	151891458	151891599	Chr1.121703	0	TRUE	1	FALSE	5.37E-05	TRUE	
Chr1	152088781	152088994	Chr1.121864	0.00055	TRUE	1	FALSE	0.014732116	TRUE	
Chr1	152165733	152165987	Chr1.121927	0.00119	TRUE	1	FALSE	0.024885358	TRUE	
Chr1	152414693	152414979	Chr1.122088	0.00323	TRUE	1	FALSE	0.0285176	TRUE	
Chr1	153684779	153684895	Chr1.123713	0.0012	TRUE	1	FALSE	0.013450468	TRUE	
Chr1	154102885	154103256	Chr1.124211	0.00043	TRUE	1	FALSE	0.004890335	TRUE	
Chr1	154608916	154609017	Chr1.124693	0.00001	TRUE	1	FALSE	0.004653305	TRUE	
Chr1	155110105	155110215	Chr1.125141	0.00066	TRUE	1	FALSE	0.030999615	TRUE	
Chr1	155234106	155234391	Chr1.125326	0.00001	TRUE	1	FALSE	0.002479774	TRUE	
Chr1	155488025	155489034	Chr1.125981	0.00245	TRUE	1	FALSE	0.025304395	TRUE	
Chr1	157003239	157003375	Chr1.127190	0	TRUE	0.151845556	FALSE	0.016237358	TRUE	
Chr1	158733021	158733141	Chr1.129599	0	TRUE	1	FALSE	0.000215227	TRUE	
Chr1	160575933	160576868	Chr1.131973	0	TRUE	1	FALSE	0.002101748	TRUE	
Chr1	160791987	160792089	Chr1.132085	0.00001	TRUE	1	FALSE	0.000157274	TRUE	
Chr1	161713215	161713400	Chr1.132772	0.00043	TRUE	1	FALSE	0.015133729	TRUE	
Chr1	161958490	161959032	Chr1.133040	0.00001	TRUE	1	FALSE	0.002124416	TRUE	
Chr1	162017029	162017324	Chr1.133162	0	TRUE	1	FALSE	0.00053546	TRUE	
Chr1	162043854	162044217	Chr1.133201	0	TRUE	1	FALSE	9.40E-05	TRUE	
Chr1	162123821	162124042	Chr1.133314	0.00001	TRUE	1	FALSE	0.025934195	TRUE	
Chr1	162181308	162181453	Chr1.133393	0	TRUE	1	FALSE	0.025304395	TRUE	
Chr1	163285730	163285892	Chr1.134726	0	TRUE	1	FALSE	0.003236044	TRUE	
Chr1	163338910	163339156	Chr1.134804	0	TRUE	1	FALSE	0.000876036	TRUE	
Chr1	163443331	163443595	Chr1.134966	0.0003	TRUE	1	FALSE	0.030072281	TRUE	
Chr1	163610222	163610465	Chr1.135154	0.00009	TRUE	1	FALSE	0.011498896	TRUE	
Chr1	163687104	163687257	Chr1.135191	0	TRUE	1	FALSE	0.002004145	TRUE	
Chr1	163896864	163897022	Chr1.135443	0	FALSE	0	FALSE	0.000797996	TRUE	
Chr1	167598456	167598631	Chr1.138849	0.00135	TRUE	1	FALSE	0.021585378	TRUE	
Chr1	16787873	16787888	Chr1.139253	0.00025	TRUE	1	FALSE	0.020443264	TRUE	
Chr1	168385544	168385683	Chr1.139592	0.00011	TRUE	1	FALSE	0.008584427	TRUE	
Chr1	168432941	168433121	Chr1.140104	0	TRUE	1	FALSE	0.002668929	TRUE	
Chr1	169096778	169097084	Chr1.140541	0	TRUE	1	FALSE	0.00058773	TRUE	
Chr1	169886300	169886596	Chr1.141261	0	TRUE	1	FALSE	2.19E-05	TRUE	
Chr1	170424261	170424457	Chr1.141724	0	FALSE	0	FALSE	5.04E-05	TRUE	
Chr1	170481289	170481437	Chr1.141776	0.00003	TRUE	1	FALSE	0.00573174	TRUE	
Chr1	171250122	171250305	Chr1.142613	0.00017	TRUE	1	FALSE	0.005070874	TRUE	
Chr1	171329170	171329359	Chr1.142659	0	FALSE	0	FALSE	0.00110147	TRUE	
Chr1	171375528	171376130	Chr1.142980	0	TRUE	0.007956146	FALSE	0.004922822	TRUE	
Chr1	171387209	171387327	Chr1.143037	0	TRUE	1	FALSE	4.29E-05	TRUE	
Chr1	172017089	172017336	Chr1.143478	0.00038	TRUE	1	FALSE	0.020988843	TRUE	mm1677
Chr1	172200317	172200620	Chr1.143636	0	TRUE	1	FALSE	0.01177878	TRUE	
Chr1	172370280	172370383	Chr1.144314	0.00428	TRUE	1	FALSE	0.022606124	TRUE	
Chr1	175025688	175025947	Chr1.146509	0.00002	TRUE	1	FALSE	0.007025911	TRUE	
Chr1	176880231	176880386	Chr1.147679	0	FALSE	0.03134786	FALSE	0.004223966	TRUE	
Chr1	176999071	176999481	Chr1.147891	0.00014	TRUE	1	FALSE	0.008011921	TRUE	
Chr1	177010866	177011136	Chr1.147901	0	TRUE	1	FALSE	0.003259335	TRUE	
Chr1	177015287	177015427	Chr1.147916	0.00127	TRUE	1	FALSE	0.018133046	TRUE	
Chr1	177518961	177519177	Chr1.148517	0	TRUE	1	FALSE	0.000159067	TRUE	
Chr1	178567300	178567477	Chr1.149100	0.00032	TRUE	1	FALSE	0.014052129	TRUE	
Chr1	178733237	178733400	Chr1.149309	0.00052	TRUE	1	FALSE	0.015222935	TRUE	
Chr1	178790178	178790327	Chr1.149364	0.00026	TRUE	1	FALSE	0.022070752	TRUE	
Chr1	179059389	179059558	Chr1.149905	0.00284	TRUE	1	FALSE	0.021658605	TRUE	
Chr1	179143252	179143572	Chr1.149998	0.00001	TRUE	1	FALSE	0.015071844	TRUE	
Chr1	180808555	180809019	Chr1.151893	0.00005	FALSE	0	FALSE	0.009478491	TRUE	
Chr1	181420148	181420294	Chr1.152298	0.00005	TRUE	1	FALSE	0.009876101	TRUE	
Chr1	181993701	181993813	Chr1.152911	0.00055	TRUE	1	FALSE	0.028886828	TRUE	
Chr1	183188689	183188887	Chr1.154091	0	FALSE	0	FALSE	0.002243086	TRUE	
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Chr1	185867947	185868084	Chr1.157050	0	TRUE	1	FALSE	0.003092163	TRUE	
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Chr1	186380468	186380763	Chr1.157557	0	FALSE	0	FALSE	0.000927873	TRUE	
Chr1	186408060	186401131	Chr1.157726	0.00001	TRUE	1	FALSE	0.001997133	TRUE	
Chr1	187652051	187652346	Chr1.159169	0	FALSE	0	FALSE	0.000198566	TRUE	
Chr1	187803733	187803962	Chr1.159540	0.00011	TRUE	1	FALSE	0.029747064	TRUE	
Chr1	189797265	189797369	Chr1.162658	0.00002	TRUE	1	FALSE	0.006817992	TRUE	
Chr1	190138692	190138836	Chr1.163303	0	FALSE	0	FALSE	0.000971555	TRUE	
Chr1	190791886	190792093	Chr1.164546	0	TRUE	0.16791883	FALSE	0.013531773	TRUE	
Chr1	191894358	191894514	Chr1.165547	0.00047	TRUE	1	FALSE	0.019253871	TRUE	
Chr1	192368166	192368374	Chr1.165839	0	TRUE	1	FALSE	0.003962023	TRUE	
Chr1	192778973	192779031	Chr1.166173	0	TRUE	1	FALSE	0.003334992	TRUE	
Chr1	193518725	193518933	Chr1.167192	0.00091	TRUE	1	FALSE	0.014658098	TRUE	
Chr1	193550363	193550566	Chr1.167246	0.00007	TRUE	1	FALSE	0.025011238	TRUE	
Chr1	193585698	193586025	Chr1.167387	0.00007	FALSE	0	FALSE	0.017972048	TRUE	
Chr1	193576171	193576469	Chr1.167305	0	TRUE	1	FALSE	0.001071395	TRUE	
Chr1	194496589	194496764	Chr1.168490	0.00049	TRUE	1	FALSE	0.009798979	TRUE	
Chr1	194641694	194642207	Chr1.168754	0.00005	FALSE	0	FALSE	0.005575709	TRUE	
Chr1	194703362	194703584	Chr1.168971	0.00042	TRUE	1	FALSE	0.013854952	TRUE	
Chr1	194978129	194978300	Chr1.169487	0.00022	TRUE	1	FALSE	0.002911607	TRUE	
Chr10	7395547	7395784	Chr10.3647	0	TRUE	1	FALSE	1.5E-07	TRUE	
Chr10	7648458	7648717	Chr10.3724	0.00011	FALSE	0	FALSE	0.011953189	TRUE	
Chr10	8232507	8232772	Chr10.4379	0	TRUE	1	FALSE	0.000991153	TRUE	
Chr10	9376021	9376214	Chr10.5725	0.00083	TRUE	1	FALSE	0.031018156	TRUE	
Chr10	12848447	12848783	Chr10.8532	0.00007	FALSE	0	FALSE	0.004243502	TRUE	
Chr10	13213527	13213708	Chr10.8832	0.00002	TRUE	1	FALSE	0.006301236	TRUE	
Chr10	13787851	13788085	Chr10.9455	0.00185	TRUE	1	FALSE	0.020477132	TRUE	
Chr10	14026145	14026865	Chr10.9766	0.00003	FALSE	0	FALSE	0.002215933	TRUE	
Chr10	14977752	14977989	Chr10.10774	0.00002	TRUE	1	FALSE	0.030445054	TRUE	
Chr10	15299592	15299761	Chr10.10864	0.00001	TRUE	1	FALSE	0.003846834	TRUE	
Chr10	15502506	15502641	Chr10.10950	0.00104	TRUE	1	FALSE	0.020343635	TRUE	
Chr10	17212806	17213316	Chr10.11959	0	TRUE	1	FALSE	0.00017516	TRUE	
Chr10	17230027	17230547	Chr10.11970	0	TRUE	1	FALSE	1.15E-06	TRUE	hs1644
Chr10	17261702	17261973	Chr10.12051	0	TRUE	1	FALSE	2.07E-06	TRUE	
Chr10	17369563	17367310	Chr10.12225	0	FALSE	0	FALSE	0.004903658	TRUE	
Chr10	17561682	17561789	Chr10.12459	0.00002	TRUE	0.191571301	FALSE	0.023960012	TRUE	
Chr10	20549657	20549781	Chr10.15806	0.00003	TRUE	1	FALSE	0.017784731	TRUE	
Chr10	20559455	20559802	Chr10.15826	0	FALSE	0.1217930487	FALSE	0.023383274	TRUE	
Chr10	20725598	20725279	Chr10.16009	0.00077	TRUE	1	FALSE	0.01147906	TRUE	
Chr10	20838872	20839486	Chr10.16096	0	TRUE	1	FALSE	0.014478382	TRUE	
Chr10	21158598	21159123	Chr10.16475	0.00001	TRUE	1	FALSE	0.00770384	TRUE	
Chr10	23489105	23489383	Chr10.18187	0	FALSE	1	FALSE	0.003311011	TRUE	
Chr10	23548263	23548590	Chr10.18426	0.00032	TRUE	1	FALSE	0.02094412	TRUE	
Chr10	23675288	23675386	Chr10.18583	0.00023	TRUE	1	FALSE	0.001940063	TRUE	
Chr10	23863307	23863512	Chr10.18599	0.00096	TRUE	1	FALSE	0.008883319	TRUE	
Chr10	23724000	23725126	Chr10.18653	0	TRUE	1	FALSE	0.004538313	TRUE	
Chr10	23785349	23785475	Chr10.18742	0.00005	FALSE	0.488179715	FALSE	0.029134438	TRUE	
Chr10	24340780	24341321	Chr10.19839	0	TRUE	1	FALSE	1.48E-05	TRUE	
Chr10	24341350	24341460	Chr10.19816	0	FALSE	1	FALSE	0.02869668	TRUE	
Chr10	24343499	24343778	Chr10.19824	0.00005	TRUE	1	FALSE	0.021475793	TRUE	
Chr10	24396478	24396624	Chr10.19873	0.0006	TRUE	1	FALSE	0.027982473	TRUE	
Chr10	26983742	26983952	Chr10.210229	0	TRUE	1	FALSE	1.18E-06	TRUE	
Chr10	29143590	29143706	Chr10.24210	0.00003	TRUE	1	FALSE	0.002955267	TRUE	
Chr10	30946314	30946473	Chr10.25999	0.00886	TRUE	1	FALSE	0.027485278	TRUE	</

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Chr10	86331800	86332092	Chr10.75872	0.00001	TRUE	1	FALSE	0.001065538	TRUE
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Chr10	87102027	87102210	Chr10.76712	0.00001	TRUE	1	FALSE	0.003288262	TRUE
Chr10	87419591	87419722	Chr10.77011	0	TRUE	0.057939967	FALSE	0.005997992	TRUE
Chr10	88231655	88232108	Chr10.78101	0	TRUE	1	FALSE	0.00421907	TRUE
Chr10	91123904	91124024	Chr10.81133	0	TRUE	1	FALSE	1.90E-06	TRUE
Chr10	91171606	91171755	Chr10.81207	0.01289	TRUE	1	FALSE	0.02380847	TRUE
Chr10	91493559	91493686	Chr10.81634	0	TRUE	1	FALSE	0.000443706	TRUE
Chr10	93124275	93124539	Chr10.84111	0.00005	TRUE	1	FALSE	0.025530772	TRUE
Chr10	93623797	93623977	Chr10.84661	0.00005	TRUE	1	FALSE	0.007851836	TRUE
Chr10	93679335	93679704	Chr10.84743	0.00001	TRUE	1	FALSE	0.02299403	TRUE
Chr10	93810869	93810866	Chr10.84847	0	TRUE	0.044963238	FALSE	0.01088567	TRUE
Chr10	95322128	95322354	Chr10.86568	0.00001	TRUE	1	FALSE	0.001528058	TRUE
Chr10	96300759	96301248	Chr10.87333	0	TRUE	1	FALSE	0.006392987	TRUE
Chr10	96578910	96579158	Chr10.87637	0.00021	TRUE	1	FALSE	0.009276429	TRUE
Chr10	96974886	96974888	Chr10.88093	0.0001	TRUE	1	FALSE	0.01951902	TRUE
Chr10	97101386	97101677	Chr10.88202	0.00035	TRUE	1	FALSE	0.024020386	TRUE
Chr10	97226919	97226841	Chr10.88703	0	TRUE	1	FALSE	0.00242033	TRUE
Chr10	98466194	98466503	Chr10.89160	0.00011	TRUE	1	FALSE	0.013455172	TRUE
Chr10	98748878	98749146	Chr10.89489	0	TRUE	1	FALSE	0.001296673	TRUE
Chr10	98959434	98959709	Chr10.89713	0.00001	TRUE	1	FALSE	0.00503322	TRUE
Chr10	99242294	99242470	Chr10.90084	0.00008	TRUE	0.2041040925	FALSE	0.030156121	TRUE
Chr10	102244664	102244670	Chr10.92258	0.00006	TRUE	1	FALSE	0.017839616	TRUE
Chr10	102882815	102882931	Chr10.92812	0.00002	TRUE	1	FALSE	0.002763331	TRUE
Chr10	103002665	103002766	Chr10.92770	0	TRUE	1	FALSE	0.001558467	TRUE
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Chr10	1031114572	103111516	Chr10.92920	0	TRUE	1	FALSE	0.000420604	TRUE
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Chr10	107030851	107031018	Chr10.96034	0.00038	TRUE	1	FALSE	0.0188581	TRUE
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Chr10	108184672	108185136	Chr10.96242	0.00001	TRUE	1	FALSE	0.005637722	TRUE
Chr10	108371360	108371462	Chr10.96387	0.00017	TRUE	1	FALSE	0.003584547	TRUE
Chr10	108684722	108684940	Chr10.97905	0	TRUE	1	FALSE	0.00023701	TRUE
Chr10	109966350	109966558	Chr10.98321	0.00014	TRUE	1	FALSE	0.01378603	TRUE
Chr10	110534450	110534568	Chr10.98865	0.00024	TRUE	1	FALSE	0.018474055	TRUE
Chr10	111173867	111174002	Chr10.99759	0.00001	TRUE	1	FALSE	0.00373442	TRUE
Chr10	115013580	115014019	Chr10.102222	0.00031	TRUE	1	FALSE	0.030564295	TRUE
Chr10	116208725	116209075	Chr10.103685	0.00001	TRUE	1	FALSE	0.002933708	TRUE
Chr10	116300020	116301084	Chr10.103840	0.00027	TRUE	1	FALSE	0.01870966	TRUE
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Chr10	117509890	117510032	Chr10.104914	0.00005	TRUE	1	FALSE	0.000015162	TRUE
Chr10	119455675	119455831	Chr10.106395	0.00001	TRUE	1	FALSE	0.003599821	TRUE
Chr10	120404739	120404889	Chr10.107790	0	TRUE	1	FALSE	2.32E-06	TRUE
Chr10	120418775	120419074	Chr10.107811	0.00028	TRUE	1	FALSE	0.011270599	TRUE
Chr10	120474625	120474732	Chr10.107968	0.00032	TRUE	1	FALSE	0.007567076	TRUE
Chr10	120571314	120571694	Chr10.108096	0	TRUE	1	FALSE	0.003914678	TRUE
Chr10	120660353	120660592	Chr10.108184	0	TRUE	1	FALSE	8.99E-07	TRUE
Chr10	120788495	120788868	Chr10.108459	0	TRUE	1	FALSE	8.64E-06	TRUE
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Chr10	120970787	120971141	Chr10.108630	0	TRUE	1	FALSE	0.000603434	TRUE
Chr10	121062774	121063213	Chr10.108774	0	TRUE	1	FALSE	3.50E-07	TRUE
Chr10	122602684	122626396	Chr10.110041	0.00034	TRUE	1	FALSE	0.02180301	TRUE
Chr10	122960010	122960357	Chr10.110202	0	TRUE	1	FALSE	0.001076797	TRUE
Chr10	125961824	125962022	Chr10.112264	0	TRUE	1	FALSE	0.009975824	TRUE
Chr10	126181999	126182136	Chr10.112569	0.00013	TRUE	1	FALSE	0.003918988	TRUE
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Chr10	127198613	127198825	Chr10.114158	0.00009	TRUE	1	FALSE	0.026441415	TRUE
Chr10	127274364	127274576	Chr10.114349	0.00002	TRUE	1	FALSE	0.02193165	TRUE
Chr10	127402368	127403486	Chr10.114764	0	TRUE	1	FALSE	1.29E-05	TRUE
Chr10	127510198	127510462	Chr10.115012	0.00008	TRUE	1	FALSE	0.005913044	TRUE
Chr10	127661428	127661637	Chr10.115854	0.00254	TRUE	1	FALSE	0.010604312	TRUE
Chr10	128091017	128091174	Chr10.116818	0.00007	TRUE	1	FALSE	0.016615912	TRUE
Chr10	128097970	128097970	Chr10.116858	0	TRUE	1	FALSE	2.69E-06	TRUE
Chr10	128180178	128180378	Chr10.117082	0.00007	TRUE	1	FALSE	0.01165748	TRUE
Chr10	128481559	128481814	Chr10.117883	0	TRUE	1	FALSE	0.00126425	TRUE
Chr10	128543016	128543934	Chr10.118054	0.00001	TRUE	1	FALSE	0.001402156	TRUE
Chr10	128586098	128586209	Chr10.118293	0	TRUE	1	FALSE	4.11E-05	TRUE
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Chr10	128645184	128645388	Chr10.118404	0.00005	TRUE	1	FALSE	0.000234944	TRUE
Chr10	128700035	128700967	Chr10.118742	0	TRUE	1	FALSE	0.002565798	TRUE
Chr10	128804179	128804312	Chr10.118841	0.00142	TRUE	1	FALSE	0.02875538	TRUE
Chr10	128805474	128805624	Chr10.118850	0.00637	TRUE	1	FALSE	0.020974668	TRUE
Chr10	128883773	128883983	Chr10.118990	0	TRUE	1	FALSE	3.96E-05	TRUE
Chr11	3366492	3366607	Chr11.395	0.00009	TRUE	0.191703034	FALSE	0.019857132	TRUE
Chr11	3374161	3374416	Chr11.423	0	TRUE	0.012408181	FALSE	5.13E-06	TRUE
Chr11	3516999	3517124	Chr11.656	0.00016	TRUE	1	FALSE	0.001337276	TRUE
Chr11	4280048	4280287	Chr11.2004	0.00221	TRUE	1	FALSE	0.02764148	TRUE
Chr11	4323023	4323207	Chr11.2071	0	TRUE	1	FALSE	0.003483475	TRUE
Chr11	4816669	4816891	Chr11.2762	0	TRUE	0.012121721	FALSE	0.000436694	TRUE
Chr11	5256480	5257119	Chr11.3473	0	TRUE	0.030724254	FALSE	0.027854557	TRUE
Chr11	5244677	5244845	Chr11.3515	0	TRUE	0.003881564	FALSE	0.000181113	TRUE
Chr11	5314309	5314781	Chr11.3708	0	TRUE	1	FALSE	0.002897184	TRUE
Chr11	5314841	5315090	Chr11.3713	0.00161	TRUE	1	FALSE	0.016030702	TRUE
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Chr11	5381198	5381912	Chr11.3769	0	TRUE	0.006216301	FALSE	0.001199241	TRUE
Chr11	5391311	5391535	Chr11.3780	0	TRUE	0.009646783	FALSE	0.007165E-05	TRUE
Chr11	5525011	5525243	Chr11.3914	1	TRUE	1	FALSE	0.000360492	TRUE
Chr11	17457575	17457809	Chr11.8440	0	TRUE	1	FALSE	0.000213927	TRUE
Chr11	18451180	18451542	Chr11.9699	0	TRUE	1	FALSE	0.015460991	TRUE
Chr11	18971589	18971830	Chr11.10721	0	TRUE	1	FALSE	0.00081763	TRUE
Chr11	19012010	19012252	Chr11.10877	0.00054	TRUE	1	FALSE	0.028677724	TRUE
Chr11	19012959	19013094	Chr11.10884	0.00016	TRUE	1	FALSE	0.016499683	TRUE
Chr11	19197951	19198106	Chr11.11281	0.00021	TRUE	1	FALSE	0.014484178	TRUE
Chr11	19219554	19219662	Chr11.11298	0.00107	TRUE	1	FALSE	0.004129632	TRUE
Chr11	19345268	19345529	Chr11.11467	0	TRUE	1	FALSE	2.68E-05	TRUE
Chr11	19523636	19523855	Chr11.11701	0.00108	TRUE	1	FALSE	0.002679794	TRUE
Chr11	19560475	19560781	Chr11.11800	0.00001	TRUE	1	FALSE	0.010401877	TRUE
Chr11	19601615	19602025	Chr11.11858	0.00002	TRUE	1	FALSE	0.007658812	TRUE
Chr11	20053278	20053377	Chr11.12385	0.00087	TRUE	1	FALSE	0.028128943	TRUE
Chr11	20053406	20053614	Chr11.12387	0	TRUE	1	FALSE	0.001281717	TRUE
Chr11	20440241	20440396	Chr11.12827	0.00002	TRUE	1	FALSE	0.002382164	TRUE
Chr11	20543177	20543284	Chr11.12708	0.00085	TRUE	1	FALSE	0.000400289	TRUE
Chr11	20742532	20742645	Chr11.13077	0.00149	TRUE	1	FALSE	0.026059777	TRUE
Chr11	21119685	21119871	Chr11.13511	0.00003	TRUE	1	FALSE	0.02767152	TRUE
Chr11	22286036	22287096	Chr11.14596	0.00889	TRUE	1	FALSE	0.016327286	TRUE
Chr11	22348077	22348610	Chr11.14649	0.00012	TRUE	1	FALSE	0.012767085	TRUE
Chr11	22382075	22382240	Chr11.14908	0.00063	TRUE	1	FALSE	0.0004041552	TRUE
Chr11	23255756	23256399	Chr11.15047	0.00282	TRUE	1	FALSE	0.02181862	TRUE
Chr11	23669314	23669459	Chr11.15442	0.00001	TRUE	1	FALSE	0.001658526	TRUE
Chr11	24144407	24144537	Chr11.16318	0	TRUE	1	FALSE	0.000658012	TRUE
Chr11	24149141	24149476	Chr11.16338	0.00001	TRUE	1	FALSE	0.018952464	TRUE
Chr11	24739874	24740110	Chr11.17456	0	TRUE	1	FALSE	0.000393653	TRUE
Chr11	24804038	24804901	Chr11.17891	0	TRUE	0.03597144	FALSE	0.023607278	TRUE
Chr11	25359091	25358228	Chr11.18433	0.00021	TRUE	1	FALSE	0.018261144	TRUE
Chr11	25366665	25366920	Chr11.18453	0.00051	TRUE	1	FALSE	0.017983068	TRUE
Chr11	25533197	25533379	Chr11.18681	0.00027	TRUE	1	FALSE	0.016547929	TRUE
Chr1									

Chr11	69872460	69872698	Chr11.69427	0.00353	TRUE	1	FALSE	0.019385483	TRUE
Chr11	69838114	69838310	Chr11.70044	0	TRUE	0.861999713	FALSE	0.002343978	TRUE
Chr11	69893471	69893621	Chr11.70052	0.00001	TRUE	1	FALSE	0.01033528	TRUE
Chr11	70229710	70229914	Chr11.71201	0.00289	TRUE	1	FALSE	0.02791624	TRUE
Chr11	70234219	70234451	Chr11.71219	0	TRUE	1	FALSE	1.10E-05	TRUE
Chr11	70562373	70562633	Chr11.71942	1	FALSE	0.010945041	FALSE	3.36E-05	TRUE
Chr11	75015860	75016027	Chr11.77830	0	TRUE	1	FALSE	0.025168265	TRUE
Chr11	75047695	75048298	Chr11.77902	0	TRUE	1	FALSE	4.44E-06	TRUE
Chr11	75051591	75052473	Chr11.77921	1	FALSE	0.030311353	FALSE	0.007935446	TRUE
Chr11	75053370	75053568	Chr11.77925	0	TRUE	1	FALSE	0.003613559	TRUE
Chr11	75281290	75281685	Chr11.78485	0.00003	TRUE	1	FALSE	0.011228932	TRUE
Chr11	75318694	75319083	Chr11.78637	0	TRUE	1	FALSE	0.003014601	TRUE
Chr11	75505735	75505867	Chr11.79545	0.00011	TRUE	1	FALSE	0.0103352817	TRUE
Chr11	75648068	75648186	Chr11.79672	0	TRUE	1	FALSE	0.000562378	TRUE
Chr11	75649198	75649478	Chr11.79676	0.00002	TRUE	1	FALSE	0.010408351	TRUE
Chr11	75650382	75650627	Chr11.79693	0.00017	TRUE	1	FALSE	0.021086713	TRUE
Chr11	76101318	76101582	Chr11.80230	0.00006	TRUE	1	FALSE	0.01091621	TRUE
Chr11	76293795	76293971	Chr11.80626	0.00001	TRUE	1	FALSE	0.002446452	TRUE
Chr11	76358462	76358585	Chr11.80767	0.00006	FALSE	1	FALSE	0.025292257	TRUE
Chr11	76427582	76428042	Chr11.80846	0.00001	TRUE	1	FALSE	0.009564359	TRUE
Chr11	76439790	76439950	Chr11.80869	0.00166	TRUE	1	FALSE	0.020670658	TRUE
Chr11	76477198	76477341	Chr11.80942	0.00001	TRUE	1	FALSE	0.006221093	TRUE
Chr11	76506058	76506802	Chr11.81041	0.0001	TRUE	1	FALSE	0.010653459	TRUE
Chr11	77442564	77442808	Chr11.82081	0	TRUE	1	FALSE	0.001573196	TRUE
Chr11	77492079	77492276	Chr11.82349	0.00003	TRUE	1	FALSE	0.013401532	TRUE
Chr11	77786120	77786237	Chr11.82896	0.00103	TRUE	1	FALSE	0.022633244	TRUE
Chr11	77841069	77841270	Chr11.83088	0.00035	TRUE	1	FALSE	0.018671315	TRUE
Chr11	77888145	77888258	Chr11.83264	0.00178	TRUE	1	FALSE	0.0202601	TRUE
Chr11	77885259	77885465	Chr11.83336	0.00002	FALSE	1	FALSE	0.013397085	TRUE
Chr11	77894071	77894215	Chr11.83364	0	TRUE	1	FALSE	0.00029513	TRUE
Chr11	77896828	77897423	Chr11.83372	0	TRUE	1	FALSE	8.10E-08	TRUE
Chr11	77917514	77917850	Chr11.83411	0.00007	TRUE	1	FALSE	0.023811892	TRUE
Chr11	78050317	78050458	Chr11.83928	0.00004	TRUE	1	FALSE	0.002584226	TRUE
Chr11	78115740	78115915	Chr11.83985	0	TRUE	1	FALSE	0.000114621	TRUE
Chr11	78621866	78622141	Chr11.85348	0	TRUE	1	FALSE	0.002565937	TRUE
Chr11	79965826	79966107	Chr11.86192	0.00008	FALSE	1	FALSE	0.020335186	TRUE
Chr11	79994363	79994562	Chr11.86796	0	TRUE	1	FALSE	0.003031775	TRUE
Chr11	80312139	80312295	Chr11.87263	0.00001	TRUE	1	FALSE	0.003514871	TRUE
Chr11	80623072	80623282	Chr11.87894	0.00001	FALSE	1	FALSE	0.007647715	TRUE
Chr11	83382090	83383168	Chr11.90309	0.00008	TRUE	1	FALSE	0.016925972	TRUE
Chr11	84179504	84179603	Chr11.91399	0.00835	TRUE	1	FALSE	0.021987227	TRUE
Chr11	84201560	84201792	Chr11.91583	0.00006	TRUE	1	FALSE	0.021176894	TRUE
Chr11	85384071	85384818	Chr11.93311	0	TRUE	1	FALSE	0.047611083	TRUE
Chr11	85470535	85470724	Chr11.93392	0	TRUE	1	FALSE	0.00026424	TRUE
Chr11	85516758	85517081	Chr11.93445	0	TRUE	0.028893613	FALSE	0.013751617	TRUE
Chr11	85615963	85616150	Chr11.93618	0.00001	FALSE	1	FALSE	0.009212727	TRUE
Chr11	85632470	85633123	Chr11.93653	0.00001	TRUE	1	FALSE	0.027606977	TRUE
Chr11	85644926	85644948	Chr11.93996	0	TRUE	1	FALSE	9.11E-10	TRUE
Chr11	85691444	85691578	Chr11.93791	0.00004	FALSE	0.679614265	FALSE	0.025535334	TRUE
Chr11	85709209	85709457	Chr11.93828	0	TRUE	1	FALSE	0.00052904	TRUE
Chr11	85755033	85755212	Chr11.93955	0.00027	TRUE	0.08429766	FALSE	0.03027138	TRUE
Chr11	85876412	85876584	Chr11.94218	0	TRUE	1	FALSE	0.000361892	TRUE
Chr11	85918428	85918718	Chr11.94383	0	TRUE	1	FALSE	1.95E-05	TRUE
Chr11	85988664	85988922	Chr11.94476	0	TRUE	1	FALSE	1.68E-05	TRUE
Chr11	86543930	86544092	Chr11.95170	0	TRUE	1	FALSE	0.000268167	TRUE
Chr11	86650720	86651012	Chr11.95346	0	TRUE	1	FALSE	0.00330598	TRUE
Chr11	86950589	86950735	Chr11.95777	0	TRUE	1	FALSE	0.000850451	TRUE
Chr11	87357562	87357854	Chr11.96185	0	TRUE	1	FALSE	0.000110809	TRUE
Chr11	87388215	87388391	Chr11.96226	0	FALSE	1	FALSE	0.000839846	TRUE
Chr11	87571519	87571685	Chr11.96387	0.00283	TRUE	1	FALSE	0.020772378	TRUE
Chr11	87591902	87592420	Chr11.96479	0.00107	TRUE	1	FALSE	0.00432571	TRUE
Chr11	87592979	87592988	Chr11.96492	0.00637	TRUE	1	FALSE	0.013138556	TRUE
Chr11	87595759	87595884	Chr11.96499	0.00002	FALSE	1	FALSE	0.000293838	TRUE
Chr11	87596578	87596810	Chr11.96506	0.00001	TRUE	1	FALSE	0.005144159	TRUE
Chr11	87677709	87678253	Chr11.96703	0	TRUE	1	FALSE	0.0001075	TRUE
Chr11	87708966	87709048	Chr11.96785	0.00001	TRUE	1	FALSE	0.02580302	TRUE
Chr11	87755316	87755477	Chr11.96879	0.00232	TRUE	1	FALSE	0.008526307	TRUE
Chr11	87763702	87763831	Chr11.96917	0.00143	TRUE	1	FALSE	0.015951242	TRUE
Chr11	87816988	87817105	Chr11.97247	0.00001	FALSE	0.624391363	FALSE	0.011623728	TRUE
Chr11	88047567	88047677	Chr11.97666	0.00005	TRUE	1	FALSE	0.007536326	TRUE
Chr11	88301418	88301709	Chr11.98036	0	TRUE	1	FALSE	3.05E-07	TRUE
Chr11	88585232	88585511	Chr11.98633	0.00007	TRUE	1	FALSE	0.007081738	TRUE
Chr11	88581792	88582033	Chr11.98691	0.00001	TRUE	1	FALSE	0.00468101	TRUE
Chr11	88702770	88703084	Chr11.98977	0	TRUE	1	FALSE	0.000462817	TRUE
Chr11	89300927	89301259	Chr11.99888	0	TRUE	1	FALSE	0.001240004	TRUE
Chr11	89317764	89317950	Chr11.99725	0.00001	FALSE	0.20686291	FALSE	0.028177638	TRUE
Chr11	89423246	89423390	Chr11.99943	0.002	TRUE	1	FALSE	0.015650413	TRUE
Chr11	89485668	89485818	Chr11.100061	0.00289	TRUE	1	FALSE	0.016776356	TRUE
Chr11	89922558	89922868	Chr11.100591	0	FALSE	1	FALSE	0.006025585	TRUE
Chr11	90130053	90130354	Chr11.100832	0.00003	TRUE	1	FALSE	0.020910975	TRUE
Chr11	90369651	90369971	Chr11.101060	0.00007	TRUE	1	FALSE	0.016678498	TRUE
Chr11	90417968	90418070	Chr11.101156	0.00335	TRUE	1	FALSE	0.009212479	TRUE
Chr11	93896463	93896566	Chr11.103816	0.00016	FALSE	0.20686291	FALSE	0.02063528	TRUE
Chr11	94327676	94328014	Chr11.104422	0.00489	TRUE	1	FALSE	0.026846722	TRUE
Chr11	94419959	94422023	Chr11.104803	0.00033	TRUE	1	FALSE	0.007464235	TRUE
Chr11	94428500	94428724	Chr11.104838	0.00011	TRUE	1	FALSE	0.01340789	TRUE
Chr11	94442187	94442387	Chr11.104913	0.00021	TRUE	1	FALSE	0.005633905	TRUE
Chr11	95076331	95075440	Chr11.106307	0.00018	TRUE	1	FALSE	0.008107181	TRUE
Chr11	95134408	95134568	Chr11.106396	0	FALSE	1	FALSE	0.87E-06	TRUE
Chr11	95224230	95224436	Chr11.106535	0.00153	TRUE	1	FALSE	0.024465431	TRUE
Chr11	95309628	95309688	Chr11.106634	0.00002	TRUE	1	FALSE	0.00056966	TRUE
Chr11	95342032	95343065	Chr11.106735	0.00005	TRUE	1	FALSE	0.007732009	TRUE
Chr11	95343228	95343473	Chr11.106738	0	TRUE	1	FALSE	0.00175103	TRUE
Chr11	95344552	95344681	Chr11.106746	0.00029	TRUE	1	FALSE	0.015899395	TRUE
Chr11	95414913	95415025	Chr11.106955	0.00016	TRUE	1	FALSE	0.005786185	TRUE
Chr11	95494469	95494747	Chr11.107092	0.00001	FALSE	1	FALSE	0.027293832	TRUE
Chr11	95622589	95622730	Chr11.107336	0.00167	TRUE	1	FALSE	0.011088745	TRUE
Chr11	95639734	95639940	Chr11.107369	0.00567	TRUE	1	FALSE	0.030953388	TRUE
Chr11	95678210	95678491	Chr11.107447	0.00001	FALSE	1	FALSE	0.016202101	TRUE
Chr11	95713687	95713830	Chr11.107531	0.00258	TRUE	1	FALSE	0.00896946	TRUE
Chr11	96020789	96020921	Chr11.108011	0.00002	TRUE	1	FALSE	0.01451453	TRUE
Chr11	96342377	96342778	Chr11.108763	0	TRUE	1	FALSE	0.00148954	TRUE
Chr11	96404318	96404539	Chr11.108950	0.00011	TRUE	1	FALSE	0.002881878	TRUE
Chr11	96413689	96413857	Chr11.108970	0.00014	TRUE	1	FALSE	0.014319038	TRUE
Chr11	96467165	96467576	Chr11.109031	0	TRUE	1	FALSE	1.13E-05	TRUE
Chr11	96461493	96461683	Chr11.109039	0.00121	TRUE	1	FALSE	0.016957146	TRUE
Chr11	96643400	96643522	Chr11.109526	0.00001	TRUE	1	FALSE	0.011621614	TRUE
Chr11	96713827	96713948	Chr11.109714	0.00059	TRUE	1	FALSE	0.014388181	TRUE
Chr11	96725912	96726047	Chr11.109791	0.00023	FALSE	1	FALSE	0.01854725	TRUE
Chr11	96747058	96747225	Chr11.109853	0.00009	TRUE	1	FALSE	0.000835494	TRUE
Chr11	96775043	96775116	Chr11.109929	0.00001	TRUE	1	FALSE	0.029546884	TRUE
Chr11	96826649	96826768	Chr11.110334	0.00002	TRUE	0.245124706	FALSE	0.021456529	TRUE
Chr11	96892010	96892505	Chr11.110126	0.00005	TRUE	1	FALSE	0.001705447	TRUE
Chr11	96896455	96896793	Chr11.110138	0.00184	TRUE	1	FALSE	0.006850321	TRUE
Chr11	96929159	96929284	Chr11.110245	0.00033	TRUE	1	FALSE	0.002844105	TRUE
Chr11	96977461	96978105	Chr11.110389	0.00001	FALSE	1	FALSE	0.003364942	TRUE
Chr11	97006098	97008419	Chr11.110471	0	TRUE	1	FALSE	0.00116088	TRUE
Chr11	97019667	97019673	Chr11.110482	0.00002	TRUE	1	FALSE	0.000877622	TRUE
Chr11	97143510	97143781	Chr11.110892	0	FALSE	1	FALSE	0.00014373	TRUE
Chr11	9								

Chr11	108822355	108822459	Chr11.131752	0.00021	TRUE	1	FALSE	0.00355651	TRUE
Chr11	108886510	108886036	Chr11.131852	0	TRUE	1	FALSE	0.00258595	TRUE
Chr11	108886725	108887163	Chr11.131863	0	TRUE	0	FALSE	0.00417858	TRUE
Chr11	108609108	108609291	Chr11.132845	0.00004	TRUE	1	FALSE	0.017284026	TRUE
Chr11	111555648	111555923	Chr11.135137	0.00001	TRUE	1	FALSE	0.002199996	TRUE
Chr11	111558072	111558191	Chr11.135163	0.00002	TRUE	1	FALSE	0.0211675	TRUE
Chr11	111647892	111648306	Chr11.135262	0	TRUE	1	FALSE	7.94E-06	TRUE
Chr11	111657883	111658153	Chr11.135818	0	TRUE	1	FALSE	8.11E-05	TRUE
Chr11	111964047	111964223	Chr11.135837	0	TRUE	1	FALSE	0.000241781	TRUE
Chr11	112083095	112083308	Chr11.136007	0	TRUE	1	FALSE	8.66E-05	TRUE
Chr11	112137711	112137821	Chr11.136156	0	TRUE	1	FALSE	7.06E-05	TRUE
Chr11	112380620	112380762	Chr11.136590	0.00077	TRUE	1	FALSE	0.010974633	TRUE
Chr11	112781547	112781678	Chr11.137214	0.00005	TRUE	0.00647206	FALSE	0.025619528	TRUE
Chr11	113057144	113057289	Chr11.137659	0.00002	TRUE	0.302520467	FALSE	0.030494019	TRUE
Chr11	113361471	113361727	Chr11.138743	0.00003	TRUE	1	FALSE	0.000519392	TRUE
Chr11	113370263	113370374	Chr11.138759	0	TRUE	1	FALSE	0.000237632	TRUE
Chr11	114567309	114567546	Chr11.139261	0.00004	TRUE	1	FALSE	0.016478908	TRUE
Chr11	115232162	115232307	Chr11.140091	0	TRUE	1	FALSE	3.07E-06	TRUE
Chr11	115512869	115513008	Chr11.140094	0.00006	TRUE	1	FALSE	0.01326936	TRUE
Chr11	115699146	115699609	Chr11.141237	0	TRUE	1	FALSE	0.000716593	TRUE
Chr11	116333390	116333557	Chr11.143678	0.0097	TRUE	1	FALSE	0.023732684	TRUE
Chr11	117665762	117665919	Chr11.145781	0	TRUE	1	FALSE	0.00025504	TRUE
Chr12	3310093	3310168	Chr12.57	0.01064	TRUE	1	FALSE	0.025261206	TRUE
Chr12	3427514	3427633	Chr12.192	0	TRUE	1	FALSE	1.58E-05	TRUE
Chr12	4813791	4814007	Chr12.1635	0	TRUE	0.011540847	FALSE	0.002763078	TRUE
Chr12	5101610	5101931	Chr12.2095	0.00001	TRUE	0.000944697	FALSE	0.014898964	TRUE
Chr12	5275904	5276049	Chr12.2362	0	TRUE	0.011328877	FALSE	0.000695937	TRUE
Chr12	8108768	8109011	Chr12.5596	0	TRUE	0.011483215	FALSE	2.95E-05	TRUE
Chr12	9180783	9180942	Chr12.6813	0	TRUE	0.587066943	FALSE	0.00646327	TRUE
Chr12	9338582	9339477	Chr12.6820	0.00002	TRUE	0.10229292	FALSE	0.024446147	TRUE
Chr12	9438871	9438989	Chr12.6916	0.00002	TRUE	1	FALSE	0.003703608	TRUE
Chr12	9941205	9941484	Chr12.7491	0	TRUE	0.004411726	FALSE	8.83E-08	TRUE
Chr12	9963637	9963659	Chr12.7575	0	TRUE	0	FALSE	0.001861408	TRUE
Chr12	10035415	1003580	Chr12.7604	0	TRUE	0.108673322	FALSE	0.009419943	TRUE
Chr12	10095541	10095959	Chr12.7647	0.00005	TRUE	1	FALSE	0.003597915	TRUE
Chr12	10128145	10128470	Chr12.7678	0	TRUE	0.010809117	FALSE	0.001246211	TRUE
Chr12	10179523	10179629	Chr12.7732	0.00001	TRUE	0.037825751	FALSE	0.012728504	TRUE
Chr12	10377384	10377551	Chr12.7989	0	TRUE	0.004235081	FALSE	3.38E-05	TRUE
Chr12	12498695	12498944	Chr12.9411	0	TRUE	0.152054691	FALSE	0.006797077	TRUE
Chr12	12581636	12582073	Chr12.9479	0	TRUE	0.038974092	FALSE	0.000177141	TRUE
Chr12	12610879	12611036	Chr12.9508	0.00001	TRUE	0.001659185	FALSE	0.027626357	TRUE
Chr12	12611098	12611262	Chr12.9512	0.00001	TRUE	0.156484548	FALSE	0.019137947	TRUE
Chr12	12621446	12621703	Chr12.9521	0	TRUE	0	FALSE	0.000490139	TRUE
Chr12	12643766	12643865	Chr12.9542	0.00007	TRUE	0.213161466	FALSE	0.013778036	TRUE
Chr12	12662215	12662506	Chr12.9546	0.00001	TRUE	0.373537353	FALSE	0.01457185	TRUE
Chr12	12694027	12694204	Chr12.9591	0.0003	TRUE	0.120254691	FALSE	0.018041297	TRUE
Chr12	12694237	12694557	Chr12.9596	0	TRUE	0.006536848	FALSE	0.00559288	TRUE
Chr12	12907021	12907153	Chr12.9780	0	TRUE	0.049023666	FALSE	0.000602514	TRUE
Chr12	12911059	12911187	Chr12.9784	0	TRUE	0.059967261	FALSE	0.007408303	TRUE
Chr12	13045678	13045908	Chr12.9801	1	0.00005	FALSE	0.003769518	TRUE	TRUE
Chr12	16185705	16185845	Chr12.11865	0	TRUE	0.017221474	FALSE	0.004810728	TRUE
Chr12	16382771	16382920	Chr12.11979	0	TRUE	0.081891187	FALSE	4.40E-05	TRUE
Chr12	16383375	16383764	Chr12.11983	0	TRUE	0.080573617	FALSE	0.013147486	TRUE
Chr12	17390190	17390394	Chr12.13000	0.00022	TRUE	1	FALSE	0.004007293	TRUE
Chr12	25789504	25789633	Chr12.15179	0	TRUE	1	FALSE	0.023969008	TRUE
Chr12	26972174	26972881	Chr12.16133	0.00001	TRUE	0	FALSE	0.000271876	TRUE
Chr12	29538072	29538571	Chr12.17454	0.00014	TRUE	1	FALSE	0.012724578	TRUE
Chr12	33553750	33554247	Chr12.20422	0	TRUE	0.265088987	FALSE	0.000453857	TRUE
Chr12	34040188	34040377	Chr12.20985	0	TRUE	0	FALSE	0.005117585	TRUE
Chr12	34052754	34053062	Chr12.21021	0	TRUE	1	FALSE	0.015466789	TRUE
Chr12	34092981	34093151	Chr12.21065	0.00001	TRUE	1	FALSE	7.78E-05	TRUE
Chr12	34170655	34170828	Chr12.21208	0.00014	TRUE	1	FALSE	0.001015292	TRUE
Chr12	34198985	34201843	Chr12.21237	0	TRUE	0.018805373	FALSE	0.028014297	TRUE
Chr12	34248525	34248908	Chr12.21342	0	TRUE	0.054706807	FALSE	1.44E-05	TRUE
Chr12	34382638	34383231	Chr12.21527	0	TRUE	0.232404814	FALSE	6.08E-05	TRUE
Chr12	34389887	34387372	Chr12.21236	0	TRUE	0	FALSE	0.00254382	TRUE
Chr12	34637327	34637549	Chr12.21909	0	TRUE	0.00133036	FALSE	0.010210624	TRUE
Chr12	34999273	34999430	Chr12.22289	0	TRUE	0.001159164	FALSE	0.006593492	TRUE
Chr12	36303173	36303480	Chr12.23359	0	TRUE	0.036861359	FALSE	6.70E-06	TRUE
Chr12	36720927	36721639	Chr12.23648	0	TRUE	0.002840412	FALSE	2.03E-15	TRUE
Chr12	36722719	36723276	Chr12.23668	0	TRUE	0.050675985	FALSE	0.025550068	TRUE
Chr12	36831409	36832005	Chr12.23826	0	TRUE	0.163655577	FALSE	0.000176873	TRUE
Chr12	37568076	37568123	Chr12.24647	0	TRUE	1	FALSE	0.000331561	TRUE
Chr12	37566693	37566832	Chr12.24653	0	TRUE	0.015287613	FALSE	0.013620146	TRUE
Chr12	38777373	38777559	Chr12.25519	0.00001	TRUE	0.911936586	FALSE	0.024801208	TRUE
Chr12	39301919	39302192	Chr12.26096	0	TRUE	0.011548665	FALSE	0.001548665	TRUE
Chr12	46819407	46819514	Chr12.32293	0.00005	TRUE	1	FALSE	0.003948362	TRUE
Chr12	46870256	46870410	Chr12.32309	0.00004	TRUE	1	FALSE	0.018937221	TRUE
Chr12	49389713	49389946	Chr12.33261	0.0002	TRUE	0	FALSE	0.005200785	TRUE
Chr12	52412707	52413379	Chr12.36784	0	TRUE	0.105108755	FALSE	0.00242535	TRUE
Chr12	52493335	52493554	Chr12.36973	0.0001	TRUE	1	FALSE	0.014587807	TRUE
Chr12	53247495	53247609	Chr12.38142	0.00077	TRUE	1	FALSE	0.015823449	TRUE
Chr12	53624526	53624670	Chr12.38953	0.00002	TRUE	0	FALSE	0.027408028	TRUE
Chr12	54313709	54313822	Chr12.40416	0	TRUE	0.004159174	FALSE	5.71E-05	TRUE
Chr12	55567323	55567498	Chr12.41361	0.00109	TRUE	1	FALSE	0.018539488	TRUE
Chr12	55820141	55820247	Chr12.41629	0.00013	TRUE	0	FALSE	0.01321448	TRUE
Chr12	56301729	56301829	Chr12.42122	0.0038	TRUE	1	FALSE	0.022808393	TRUE
Chr12	56335797	56336082	Chr12.42517	0.00002	TRUE	1	FALSE	0.003517325	TRUE
Chr12	56691054	56691254	Chr12.42962	0	TRUE	0	FALSE	0.017231967	TRUE
Chr12	56695371	56695693	Chr12.42671	1	0.022131489	FALSE	0.000458006	TRUE	TRUE
Chr12	56698475	56698664	Chr12.42707	0	TRUE	1	FALSE	0.000196032	TRUE
Chr12	56756410	56756879	Chr12.42878	0	TRUE	1	FALSE	0.001067172	TRUE
Chr12	57006088	57006380	Chr12.43432	0	TRUE	1	FALSE	4.14E-07	TRUE
Chr12	57082622	57083194	Chr12.43526	0	TRUE	1	FALSE	6.97E-06	TRUE
Chr12	57108911	57109137	Chr12.43576	0	TRUE	1	FALSE	0.00616905	TRUE
Chr12	57109344	57109677	Chr12.43578	0	TRUE	0	FALSE	0.000485435	TRUE
Chr12	57124653	57125030	Chr12.43613	0	TRUE	1	FALSE	1.47E-08	TRUE
Chr12	57137343	57137604	Chr12.43628	0	TRUE	1	FALSE	0.001245482	TRUE
Chr12	57401547	57401755	Chr12.43822	0	TRUE	0	FALSE	0.004125933	TRUE
Chr12	57509812	57509330	Chr12.43946	0	TRUE	0.079810135	FALSE	3.69E-07	TRUE
Chr12	61524553	61525041	Chr12.46241	0.00001	TRUE	1	FALSE	0.003946525	TRUE
Chr12	61526383	61526528	Chr12.46260	0.00006	TRUE	1	FALSE	0.002274625	TRUE
Chr12	67220234	67220461	Chr12.48685	0	TRUE	1	FALSE	0.000214254	TRUE
Chr12	67221620	67221834	Chr12.48897	0.00001	TRUE	1	FALSE	0.002359794	TRUE
Chr12	69681174	69681297	Chr12.50248	0	TRUE	0.266717328	FALSE	1.10E-05	TRUE
Chr12	69908585	69908714	Chr12.50489	0	TRUE	0.00001	FALSE	0.004233366	TRUE
Chr12	70251346	70251670	Chr12.51076	0.00001	TRUE	1	FALSE	0.020480444	TRUE
Chr12	71311640	71312048	Chr12.52338	0.00001	TRUE	1	FALSE	0.004815922	TRUE
Chr12	71333142	71334133	Chr12.52434	0	TRUE	0	FALSE	4.12E-07	TRUE
Chr12	71376537	71376960	Chr12.52527	0.00001	TRUE	1	FALSE	0.029797053	TRUE
Chr12	71481383	71481835	Chr12.52683	0	TRUE	1	FALSE	0.000142284	TRUE
Chr12	71628654	71628951	Chr12.52699	0.00004	TRUE	1	FALSE	0.014374901	TRUE
Chr12	71822700	71822868	Chr12.53018	0	TRUE	1	FALSE	0.005512161	TRUE
Chr12	73032715	73033034	Chr12.54425	0.00017	TRUE	1	FALSE	0.027599676	TRUE
Chr12	73355413	73355588	Chr12.54974	0.00007	TRUE	1	FALSE	0.008476969	TRUE
Chr12	73463937	73464565	Chr12.55173	0.00009	TRUE	0	FALSE	0.011152392	TRUE
Chr12	73500844	73501037	Chr12.55194	0.00002	TRUE	1	FALSE	0.005260445	TRUE
Chr12	73529212	73529341	Chr12.55274	0.00014	TRUE	1	FALSE	0.001519519	TRUE

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Chr12	85629924	85630076	Chr12.70541	0.00002	TRUE	1	FALSE	0.007776156	TRUE
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Chr12	86911426	86911762	Chr12.72298	0	TRUE	1	FALSE	0.006522644	TRUE
Chr12	86947274	86947380	Chr12.72327	0.00339	TRUE	1	FALSE	0.012453093	TRUE
Chr12	86948181	86948385	Chr12.72335	0	TRUE	1	FALSE	0.00290768	TRUE
Chr12	86990528	86990663	Chr12.72448	0.00061	TRUE	1	FALSE	0.01104268	TRUE
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Chr12	90904093	90904228	Chr12.76766	0.00072	TRUE	1	FALSE	0.00663784	TRUE
Chr12	91412894	91413115	Chr12.77218	0.0008	TRUE	1	FALSE	0.016305534	TRUE
Chr12	92004079	92005132	Chr12.77881	0.0005	TRUE	1	FALSE	0.005828699	TRUE
Chr12	95040424	95041141	Chr12.80849	0.00139	TRUE	1	FALSE	0.006337113	TRUE
Chr12	95695621	95695765	Chr12.80858	0	TRUE	1	FALSE	5.68E-08	TRUE
Chr12	99564116	99564333	Chr12.84486	0	TRUE	1	FALSE	0.005246305	TRUE
Chr12	101817365	101817645	Chr12.86281	0	TRUE	1	FALSE	0.000375506	TRUE
Chr12	102511435	102511628	Chr12.87164	0	TRUE	1	FALSE	3.04E-06	TRUE
Chr12	102580226	102580436	Chr12.87239	0.00298	TRUE	1	FALSE	0.018551771	TRUE
Chr12	104814240	104814240	Chr12.89881	0	TRUE	1	FALSE	0.002880362	TRUE
Chr12	104919212	104919522	Chr12.89925	0	TRUE	1	FALSE	4.79E-05	TRUE
Chr12	105234532	105234662	Chr12.90081	0.00003	TRUE	1	FALSE	0.001765996	TRUE
Chr12	106853387	106854127	Chr12.91916	0.00003	TRUE	1	FALSE	0.004422037	TRUE
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Chr12	107011175	107011370	Chr12.92127	0.00042	TRUE	1	FALSE	0.014976574	TRUE
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Chr12	108916914	108917121	Chr12.94284	0	TRUE	1	FALSE	0.001651296	TRUE
Chr12	110187084	110187263	Chr12.95062	0	TRUE	1	FALSE	6.64E-05	TRUE
Chr12	113137016	113137197	Chr12.98795	0.00002	TRUE	1	FALSE	0.007295053	TRUE
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Chr12	118620960	118621162	Chr12.101292	0	TRUE	1	FALSE	0.00338864	TRUE
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Chr12	118719231	118719457	Chr12.101460	0	TRUE	1	FALSE	2.74E-05	TRUE
Chr12	118842676	118842937	Chr12.101673	0	TRUE	1	FALSE	5.77E-07	TRUE
Chr13	3361151	3361192	Chr13.32	0	TRUE	1	FALSE	1.18E-08	TRUE
Chr13	3893287	3893380	Chr13.402	0.00005	TRUE	1	FALSE	0.01119466	TRUE
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Chr13	16725536	16725825	Chr13.8649	0	TRUE	1	FALSE	0.001088302	TRUE
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Chr13	16770233	16770411	Chr13.8734	0	TRUE	1	FALSE	0.000883276	TRUE
Chr13	16899449	16899449	Chr13.8854	0.00015	FALSE	1	FALSE	0.017845047	TRUE
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Chr13	17086554	17086738	Chr13.9113	0	TRUE	1	FALSE	0.003075156	TRUE
Chr13	17185484	17185639	Chr13.9213	0.00205	TRUE	1	FALSE	0.027860431	TRUE
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Chr13	28420248	28420552	Chr13.16804	0.00001	TRUE	1	FALSE	0.014832694	TRUE
Chr13	28516770	28516956	Chr13.16923	0.00003	TRUE	1	FALSE	0.022609178	TRUE
Chr13	28690715	28690933	Chr13.17167	0.00001	TRUE	1	FALSE	0.004281832	TRUE
Chr13	28735124	28735279	Chr13.17260	0.00068	TRUE	1	FALSE	0.016966602	TRUE
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Chr13	30966580	30966590	Chr13.19427	0.00021	FALSE	1	FALSE	0.021108058	TRUE
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Chr13	32630357	32630464	Chr13.21146	0.00009	TRUE	1	FALSE	0.028940295	TRUE
Chr13	36583744	36583940	Chr13.23500	0.00007	TRUE	1	FALSE	0.008927391	TRUE
Chr13	37250232	37250480	Chr13.23988	0.00004	TRUE	1	FALSE	0.004609602	TRUE
Chr13	38162915	38163025	Chr13.24774	0.00011	FALSE	1	FALSE	0.004205547	TRUE
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Chr13	42051313	42051442	Chr13.29261	0.00005	TRUE	1	FALSE	0.003341236	TRUE
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Chr13	44582217	44582368	Chr13.31637	0.00006	TRUE	1	FALSE	0.028758911	TRUE
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Chr13	54564159	54564300	Chr13.39343	0.00002	TRUE	1	FALSE	0.002388389	TRUE
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Chr13	57582546	57582767	Chr13.43915	0.00001	TRUE	1	FALSE	0.003839281	TRUE
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Chr13	63766147	63766145	Chr13.48790	0.00009	TRUE	1	FALSE	0.008811907	TRUE
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Chr13	77981385	77981738	Chr13.57537	0	TRUE	1	FALSE	0.0011931578	TRUE
Chr13	78181221	78181535	Chr13.57908	0	TRUE	1	FALSE	0.002210117	TRUE
Chr13	78191121	78191542	Chr13.57973	0	TRUE	1	FALSE	0.000632019	TRUE
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Chr13	78445000	78445186	Chr13.58246	0	TRUE	1	FALSE	5.51E-05	TRUE
Chr13	81633300	81633361	Chr13.61410	0.00417	TRUE	1	FALSE	0.027023978	TRUE
Chr13	82508190	82508545	Chr13.62208	0	TRUE	1	FALSE	0.002038672	TRUE
Chr13	83111540	8311177							

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Chr13	11043694	11043693	Chr13.88071	0.00001	TRUE	0.063821254	FALSE	0.018881576	TRUE	
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Chr13	116654613	116654784	Chr13.94472	0	TRUE	0.230152955	FALSE	0.00049654	TRUE	
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Chr14	21253413	21253842	Chr14.13018	0	TRUE	1	FALSE	0.002402245	TRUE	
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Chr14	22710773	22711306	Chr14.15700	0	TRUE	1	FALSE	0.000369944	TRUE	
Chr14	22869354	22869525	Chr14.16222	0.00012	TRUE	1	FALSE	0.030332852	TRUE	
Chr14	23307989	23308140	Chr14.16978	0	TRUE	1	FALSE	0.000588593	TRUE	
Chr14	23492862	23493183	Chr14.17205	0	TRUE	1	FALSE	0.001937391	TRUE	
Chr14	23502172	23502327	Chr14.17235	0	TRUE	1	FALSE	0.005221021	TRUE	
Chr14	24997878	24998020	Chr14.18717	0	TRUE	1	FALSE	0.001929096	TRUE	
Chr14	25108278	25108401	Chr14.18814	0.00018	TRUE	1	FALSE	0.006470985	TRUE	mm1446
Chr14	25126729	25126831	Chr14.18865	0	TRUE	1	FALSE	0.000646862	TRUE	
Chr14	25239962	25240132	Chr14.18980	0.00002	TRUE	1	FALSE	0.00418385	TRUE	
Chr14	25378993	25379102	Chr14.19124	0	TRUE	1	FALSE	0.002391717	TRUE	
Chr14	25609448	25609582	Chr14.19438	0.00308	TRUE	1	FALSE	0.030841164	TRUE	
Chr14	27429549	27429951	Chr14.21193	0	TRUE	1	FALSE	0.000989307	TRUE	
Chr14	27661629	27661901	Chr14.21488	0	TRUE	0.038995592	FALSE	0.01353455	TRUE	
Chr14	27898827	27899055	Chr14.21809	0.00006	TRUE	1	FALSE	0.006235901	TRUE	
Chr14	28042964	28043309	Chr14.22108	0	TRUE	0.391543961	FALSE	0.025371482	TRUE	
Chr14	28156486	28164794	Chr14.22293	0.00645	FALSE	1	FALSE	0.022831709	TRUE	
Chr14	28202032	28202194	Chr14.22448	0	TRUE	1	FALSE	2.13E-05	TRUE	
Chr14	28281995	28282119	Chr14.22641	0	TRUE	0.019277995	FALSE	0.019308547	TRUE	
Chr14	28375714	28376176	Chr14.22906	0	TRUE	1	FALSE	0.003516417	TRUE	
Chr14	28410080	28411188	Chr14.22978	0	TRUE	0.007015549	FALSE	0.001740046	TRUE	
Chr14	28412936	28413181	Chr14.22987	0	TRUE	0.116201186	FALSE	2.02E-06	TRUE	
Chr14	28514167	28514584	Chr14.23281	0	TRUE	0.139810989	FALSE	3.80E-05	TRUE	
Chr14	28699743	28700023	Chr14.23317	0.0007	FALSE	1	FALSE	0.006733205	TRUE	
Chr14	28901929	28902185	Chr14.23637	0.00014	TRUE	1	FALSE	0.015445953	TRUE	
Chr14	28909533	28909641	Chr14.23655	0.00001	TRUE	1	FALSE	0.002727587	TRUE	
Chr14	28914344	28914603	Chr14.23675	0	TRUE	1	FALSE	0.000425978	TRUE	
Chr14	28916240	28916632	Chr14.23686	0.00001	TRUE	1	FALSE	0.004595922	TRUE	
Chr14	28986524	28986885	Chr14.23977	0	TRUE	0.035462339	FALSE	0.021248166	TRUE	
Chr14	29028160	29028405	Chr14.24114	0.00003	TRUE	1	FALSE	0.018186004	TRUE	
Chr14	29229104	29229206	Chr14.24517	0.00003	TRUE	0.314151032	FALSE	0.000360535	TRUE	
Chr14	29870027	29870259	Chr14.25351	0	TRUE	0.000972151	FALSE	0.013813578	TRUE	
Chr14	29882844	29883042	Chr14.25376	0	TRUE	1	FALSE	0.000220327	TRUE	
Chr14	30874601	30874708	Chr14.26995	0.0001	FALSE	0.057199247	FALSE	0.01289874	TRUE	
Chr14	32381093	32381267	Chr14.26962	0.00001	TRUE	1	FALSE	0.001089499	TRUE	
Chr14	34873944	34874094	Chr14.32725	0.00046	TRUE	1	FALSE	0.025874105	TRUE	
Chr14	41008355	41008530	Chr14.35873	0.00015	FALSE	1	FALSE	0.021109314	TRUE	
Chr14	45826052	45826512	Chr14.36795	0	TRUE	1	FALSE	2.10E-05	TRUE	hs1629
Chr14	46019838	46020259	Chr14.37007	0	TRUE	1	FALSE	0.000988175	TRUE	
Chr14	46436647	46436932	Chr14.37483	0.00002	TRUE	1	FALSE	0.022989769	TRUE	
Chr14	46575296	46575588	Chr14.37674	0	TRUE	1	FALSE	0.006469001	TRUE	
Chr14	46575985	46576428	Chr14.37678	0	TRUE	1	FALSE	0.002212597	TRUE	
Chr14	46604218	46604378	Chr14.37720	0.00044	TRUE	1	FALSE	0.019796299	TRUE	
Chr14	46604620	46604738	Chr14.37724	0	TRUE	1	FALSE	2.55E-06	TRUE	
Chr14	46605182	46605587	Chr14.37725	0	TRUE	1	FALSE	1.79E-05	TRUE	
Chr14	46838397	46838329	Chr14.38082	0	TRUE	1	FALSE	0.000110803	TRUE	
Chr14	48316542	48316687	Chr14.40989	0.00551	FALSE	1	FALSE	0.014839337	TRUE	
Chr14	51893490	51893613	Chr14.42530	0.00665	TRUE	1	FALSE	0.02829403	TRUE	
Chr14	52004079	52004753	Chr14.42775	0	TRUE	1	FALSE	0.000127037	TRUE	
Chr14	52009961	52010107	Chr14.42817	0.00082	TRUE	1	FALSE	0.02676752	TRUE	
Chr14	52010470	52011016	Chr14.42818	0.00001	TRUE	1	FALSE	0.014648516	TRUE	
Chr14	52012071	52012369	Chr14.42827	0	TRUE	1	FALSE	0.002096096	TRUE	
Chr14	52244196	52244298	Chr14.43176	0.0003	TRUE	1	FALSE	0.009424154	TRUE	
Chr14	52257711	52257960	Chr14.43195	0.00022	FALSE	1	FALSE	0.005680504	TRUE	
Chr14	54433209	54433340	Chr14.44568	0	TRUE	1	FALSE	4.21E-05	TRUE	
Chr14	54443177	54443362	Chr14.44652	0.00026	TRUE	0.467830008	FALSE	0.018332942	TRUE	
Chr14	54574314	54574558	Chr14.44807	0.00002	TRUE	1	FALSE	0.003557458	TRUE	
Chr14	54603508	54603614	Chr14.44979	0.00008	FALSE	1	FALSE	0.001108431	TRUE	
Chr14	54925565	54925720	Chr14.45819	0.00001	TRUE	1	FALSE	0.001233683	TRUE	
Chr14	55116958	55117058	Chr14.46705	0.00006	TRUE	1	FALSE	0.000512508	TRUE	
Chr14	55384379	55384537	Chr14.46789	0	TRUE	1	FALSE	0.001038612	TRUE	
Chr14	56887940	56888195	Chr14.49161	0.00007	TRUE	1	FALSE	0.000365056	TRUE	
Chr14	58471537	58471668	Chr14.50396	0.00012	TRUE	1	FALSE	0.00308		

Chr14	98137991	98138182	Chr14.84755	0	TRUE	1	FALSE	4.35E-05	TRUE
Chr14	98109715	98168816	Chr14.84845	0.00032	TRUE	1	FALSE	0.00017435	TRUE
Chr14	98333359	9833719	Chr14.86291	0	TRUE	1	FALSE	0.00153037	TRUE
Chr14	99746840	99747223	Chr14.86933	0.00005	TRUE	1	FALSE	0.02598919	TRUE
Chr14	99904531	99904899	Chr14.87158	0.00008	TRUE	1	FALSE	0.02937267	TRUE
Chr14	100284789	100284967	Chr14.87315	0	TRUE	1	FALSE	0.00272467	TRUE
Chr14	100750271	100750400	Chr14.88016	0.0003	TRUE	1	FALSE	0.003411893	TRUE
Chr14	100889945	100889152	Chr14.88104	0	TRUE	1	FALSE	0.000128402	TRUE
Chr14	100905280	100901192	Chr14.88173	0	TRUE	1	FALSE	3.56E-05	TRUE
Chr14	102979396	102979783	Chr14.89855	0	TRUE	1	FALSE	0.017160454	TRUE
Chr14	103765062	103765196	Chr14.90688	0.00014	TRUE	1	FALSE	0.01191333	TRUE
Chr14	105333469	105333997	Chr14.92727	0	TRUE	1	FALSE	0.003745091	TRUE
Chr14	105498918	105498940	Chr14.92929	0.00004	TRUE	1	FALSE	0.013054209	TRUE
Chr14	105589856	105590116	Chr14.93078	0	TRUE	1	FALSE	0.002301622	TRUE
Chr14	105698322	105698482	Chr14.93201	0.00004	TRUE	1	FALSE	0.011653353	TRUE
Chr14	106608364	106608675	Chr14.93833	0	TRUE	1	FALSE	0.001378883	TRUE
Chr14	110078407	110078658	Chr14.94866	0.00009	TRUE	1	FALSE	0.008095967	TRUE
Chr14	117008919	117009146	Chr14.98912	0	TRUE	1	FALSE	1.96E-05	TRUE
Chr14	118052344	118052508	Chr14.99811	0.00034	TRUE	1	FALSE	0.008970101	TRUE
Chr14	118180273	118180454	Chr14.99924	0.00001	TRUE	1	FALSE	0.008655782	TRUE
Chr14	120355571	120355821	Chr14.102766	0	TRUE	1	FALSE	0.00014987	TRUE
Chr14	121738822	121739027	Chr14.104062	0.00007	TRUE	1	FALSE	0.003368794	TRUE
Chr14	122426125	122427015	Chr14.104869	0	TRUE	1	FALSE	0.013054209	TRUE
Chr14	122451005	122451189	Chr14.104900	0.00005	TRUE	1	FALSE	0.000689315	TRUE
Chr14	122477052	122477186	Chr14.105024	0.00006	TRUE	0.265903287	FALSE	0.026611732	TRUE
Chr14	122480488	122480828	Chr14.105047	0	TRUE	1	FALSE	0.004103945	TRUE
Chr14	122756663	122756137	Chr14.105277	0	TRUE	1	FALSE	4.47E-08	TRUE
Chr14	122873151	122875458	Chr14.105371	0.00002	TRUE	1	FALSE	0.001943888	TRUE
Chr14	123022052	123022083	Chr14.105790	0.00002	FALSE	1	FALSE	0.002151	TRUE
Chr14	123985433	123985619	Chr14.106406	0.00001	TRUE	1	FALSE	0.001734393	TRUE
Chr14	124192322	124192526	Chr14.106496	0.00037	TRUE	1	FALSE	0.018846352	TRUE
Chr15	3580391	3580666	Chr15.358	0	TRUE	1	FALSE	6.60E-05	TRUE
Chr15	6303340	6303842	Chr15.1590	0	TRUE	1	FALSE	0.000424691	TRUE
Chr15	7124395	7124395	Chr15.2526	0.00001	TRUE	1	FALSE	0.008410477	TRUE
Chr15	7480292	7480675	Chr15.3404	0	TRUE	1	FALSE	0.003869498	TRUE
Chr15	7814407	7814411	Chr15.3989	0.00019	FALSE	1	FALSE	0.004317742	TRUE
Chr15	7888751	7889012	Chr15.4034	0	TRUE	0.33459808	FALSE	0.005402224	TRUE
Chr15	7984292	7984463	Chr15.4163	0.00005	TRUE	1	FALSE	0.026721488	TRUE
Chr15	8038106	8038279	Chr15.4181	0.00002	FALSE	1	FALSE	0.005101715	TRUE
Chr15	8710455	8710628	Chr15.5002	0.00092	TRUE	1	FALSE	0.012740285	TRUE
Chr15	8781247	8781448	Chr15.5053	0.00067	TRUE	1	FALSE	0.010583078	TRUE
Chr15	11066405	11066660	Chr15.6805	0	TRUE	1	FALSE	1.22E-05	TRUE
Chr15	12549690	12549694	Chr15.8201	0.0001	FALSE	1	FALSE	0.001783992	TRUE
Chr15	12605194	12605411	Chr15.8338	0.00053	TRUE	1	FALSE	0.007981551	TRUE
Chr15	12861017	12862090	Chr15.8641	0.00003	TRUE	1	FALSE	0.002791295	TRUE
Chr15	13393046	13393491	Chr15.97178	0	TRUE	1	FALSE	6.19E-06	TRUE
Chr15	16728668	16728973	Chr15.11144	0	TRUE	1	FALSE	3.43E-05	TRUE
Chr15	17770203	17770438	Chr15.11423	0	TRUE	1	FALSE	1.58E-06	TRUE
Chr15	18620334	18620473	Chr15.11768	0	FALSE	0	FALSE	0.003802786	TRUE
Chr15	22549074	2254926	Chr15.13594	0.00001	TRUE	1	FALSE	0.013806312	TRUE
Chr15	27178556	27178708	Chr15.15778	0.00003	TRUE	1	FALSE	0.009916626	TRUE
Chr15	32944006	32944270	Chr15.19567	0	TRUE	1	FALSE	0.000322849	TRUE
Chr15	34742458	34742640	Chr15.20095	0	TRUE	1	FALSE	5.33E-06	TRUE
Chr15	35085035	35085510	Chr15.21355	0	TRUE	1	FALSE	0.000125541	TRUE
Chr15	35284630	35284813	Chr15.21486	0.00051	FALSE	1	FALSE	0.007159261	TRUE
Chr15	35295932	35296118	Chr15.21526	0.00005	FALSE	1	FALSE	0.000421409	TRUE
Chr15	35302268	35302912	Chr15.21571	0	TRUE	1	FALSE	0.000285486	TRUE
Chr15	35313061	35313387	Chr15.21622	0.00003	TRUE	1	FALSE	0.017506875	TRUE
Chr15	35846396	35846519	Chr15.22199	0.00008	FALSE	1	FALSE	0.027895948	TRUE
Chr15	35847448	35847717	Chr15.22206	0	TRUE	1	FALSE	0.000345043	TRUE
Chr15	38077599	38077764	Chr15.24096	0.00001	TRUE	1	FALSE	0.000255915	TRUE
Chr15	38518167	38518385	Chr15.24311	0.00098	TRUE	1	FALSE	0.008587371	TRUE
Chr15	40729887	40729977	Chr15.26111	0.00133	0.00133	0.00133	FALSE	0.011765005	TRUE
Chr15	40979380	40979399	Chr15.26599	0.00042	TRUE	1	FALSE	0.031156237	TRUE
Chr15	41155312	41155506	Chr15.26937	0.00018	TRUE	1	FALSE	0.023318287	TRUE
Chr15	41494103	41494241	Chr15.27101	0.00001	FALSE	1	FALSE	0.003031541	TRUE
Chr15	43940450	43940630	Chr15.29272	0	TRUE	1	FALSE	0.00032456	TRUE
Chr15	43940674	43940815	Chr15.29275	0.00004	TRUE	1	FALSE	0.020851182	TRUE
Chr15	44428000	44428464	Chr15.29633	0	FALSE	0	FALSE	1.00E-09	TRUE
Chr15	44760414	44760596	Chr15.30108	0.00004	TRUE	1	FALSE	0.021712304	TRUE
Chr15	50695975	50695958	Chr15.32286	0	TRUE	1	FALSE	8.66E-07	TRUE
Chr15	50817490	50817713	Chr15.32530	0	TRUE	0.496268447	FALSE	0.000545306	TRUE
Chr15	50860697	50860686	Chr15.32658	0.00005	TRUE	1	FALSE	0.000898846	TRUE
Chr15	50861849	50862160	Chr15.32704	0	TRUE	1	FALSE	0.012423487	TRUE
Chr15	50885766	50885938	Chr15.32726	0	TRUE	1	FALSE	0.000761664	TRUE
Chr15	50888891	50889058	Chr15.32735	0.00001	FALSE	1	FALSE	0.003641042	TRUE
Chr15	50908886	50981128	Chr15.32761	0	TRUE	1	FALSE	0.00096062	TRUE
Chr15	51197869	51198216	Chr15.33277	0.00011	TRUE	0.417751904	FALSE	0.003598788	TRUE
Chr15	51528618	51528738	Chr15.33801	0.00001	FALSE	1	FALSE	0.013485054	TRUE
Chr15	51628564	51628624	Chr15.33902	0.00011	TRUE	1	FALSE	0.001659141	TRUE
Chr15	51794070	51794192	Chr15.34199	0.00021	TRUE	1	FALSE	0.001516339	TRUE
Chr15	51855403	51855827	Chr15.34301	0	TRUE	1	FALSE	0.000100361	TRUE
Chr15	51991090	51991808	Chr15.34414	0	TRUE	1	FALSE	1.03E-06	TRUE
Chr15	52430723	52430886	Chr15.34833	0.00015	TRUE	1	FALSE	0.006042083	TRUE
Chr15	53237252	53237594	Chr15.35673	0	TRUE	1	FALSE	1.95E-06	TRUE
Chr15	54387435	54387551	Chr15.36994	0.00055	FALSE	1	FALSE	0.019495189	TRUE
Chr15	55437330	55437446	Chr15.37960	0	TRUE	1	FALSE	5.24E-05	TRUE
Chr15	55800098	55800319	Chr15.38365	0	TRUE	1	FALSE	0.000130949	TRUE
Chr15	56429106	56429377	Chr15.38757	0	FALSE	1	FALSE	0.001159394	TRUE
Chr15	56694687	56694809	Chr15.39003	0.00002	TRUE	1	FALSE	0.002301904	TRUE
Chr15	56858194	56858376	Chr15.39141	0.00008	TRUE	1	FALSE	0.012903945	TRUE
Chr15	56881741	56881926	Chr15.39165	0.00288	TRUE	1	FALSE	0.03064757	TRUE
Chr15	58187438	58187580	Chr15.40252	0.0001	TRUE	1	FALSE	0.012702318	TRUE
Chr15	58192608	58192720	Chr15.40266	0.00206	TRUE	1	FALSE	0.020752973	TRUE
Chr15	58586299	58586421	Chr15.40788	0.00056	TRUE	1	FALSE	0.02683974	TRUE
Chr15	59537975	59538306	Chr15.41377	0.00027	FALSE	1	FALSE	0.017698926	TRUE
Chr15	61541071	61541196	Chr15.43093	0	TRUE	1	FALSE	0.000545578	TRUE
Chr15	61608292	61608735	Chr15.43172	0	TRUE	1	FALSE	0.001005713	TRUE
Chr15	61616889	61618119	Chr15.43191	0	FALSE	1	FALSE	0.000383095	TRUE
Chr15	62603294	62603537	Chr15.44175	0.00003	TRUE	0.381005848	FALSE	0.019445566	TRUE
Chr15	62953117	62953318	Chr15.44234	0.00003	TRUE	1	FALSE	0.01062807	TRUE
Chr15	63288575	63288787	Chr15.44497	0.00014	TRUE	1	FALSE	0.00489325	TRUE
Chr15	63360417	63360708	Chr15.44572	0.00008	TRUE	1	FALSE	0.002158797	TRUE
Chr15	63616650	63616904	Chr15.44805	0.00002	TRUE	1	FALSE	0.001368217	TRUE
Chr15	76466518	76466623	Chr15.54291	0	TRUE	0.001011161	FALSE	0.003467945	TRUE
Chr15	76466277	76466478	Chr15.54303	0	TRUE	1	FALSE	6.49E-06	TRUE
Chr15	77314975	77315137	Chr15.56016	0.00053	TRUE	1	FALSE	0.011408855	TRUE
Chr15	78871709	78872282	Chr15.57697	0	TRUE	1	FALSE	9.92E-07	TRUE
Chr15	78913970	78914258	Chr15.57857	0.00908	FALSE	0.614032988	FALSE	0.01634398	TRUE
Chr15	79042991	79043269	Chr15.58204	0.00049	TRUE	1	FALSE	0.00542885	TRUE
Chr15	80235827	80236048	Chr15.59893	0.00249	TRUE	1	FALSE	0.009150786	TRUE
Chr15	80710697	80710897	Chr15.60614	0.00125	TRUE	1	FALSE	0.018384843	TRUE
Chr15	80776561	80785968	Chr15.63055	0	TRUE	1	FALSE	0.001370137	TRUE
Chr15	81855204	81855318	Chr15.62127	0	TRUE	0.004252339	FALSE	0.005448822	TRUE
Chr15	82917378	82917688	Chr15.63964	0.00046	FALSE	1	FALSE	0.013828375	TRUE
Chr15	82921010	82921213	Chr15.63969	0	TRUE	0.002872023	FALSE	0.011515725	TRUE
Chr15	82941788	82941998	Chr15.64001	0.00009	TRUE	1	FALSE	0.011406206	TRUE
Chr15	83735015	83735115	Chr15.64853	0	TRUE	0.702012062	FALSE	0.002512574	TRUE
Chr15	85436107	85436258	Chr15.66285	0.00001	FALSE	0.02048048	FALSE	0.013930151	TRUE
Chr15	85975921	85976084	Chr15.67115	0	TRUE	0.003296955	FALSE	0.00260	

Chr16	18611795	18611982	Chr16.15583	0	TRUE	0.003966786	FALSE	3.50E-06	TRUE
Chr16	20731772	20731880	Chr16.17563	0.00012	TRUE	1	FALSE	0.013927695	TRUE
Chr16	21206550	21206751	Chr16.17700	0	TRUE	0.00007	TRUE	0.005727101	TRUE
Chr16	21222604	21222804	Chr16.17864	0.00054	TRUE	1	FALSE	0.015685745	TRUE
Chr16	21305734	21305842	Chr16.17873	0.00007	TRUE	0.077545304	FALSE	0.015307731	TRUE
Chr16	21308689	21308953	Chr16.17879	0	TRUE	0.018569918	FALSE	0.000612113	TRUE
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Chr16	21391269	21391465	Chr16.18114	0	TRUE	0.0009338476	FALSE	0.001364885	TRUE
Chr16	21689894	21670273	Chr16.18513	0	TRUE	0.007348686	FALSE	0.000634918	TRUE
Chr16	22430235	22430487	Chr16.19165	0	TRUE	1	FALSE	4.98E-05	TRUE
Chr16	22437836	22437934	Chr16.19192	0.00026	TRUE	1	FALSE	0.007794727	TRUE
Chr16	24447636	24448036	Chr16.21220	0	TRUE	0.576857911	FALSE	0.000142845	TRUE
Chr16	24453290	24453562	Chr16.21232	0	TRUE	0.03614824	FALSE	6.72E-06	TRUE
Chr16	24494594	24494825	Chr16.21294	0.00004	TRUE	0.347316306	FALSE	0.012013761	TRUE
Chr16	24515163	24515489	Chr16.21352	0	TRUE	0.00116905	FALSE	0.000895729	TRUE
Chr16	24565464	24565600	Chr16.21401	0	TRUE	0.108726605	FALSE	0.001225834	TRUE
Chr16	24961682	24962022	Chr16.21965	0	TRUE	0.000972407	FALSE	0.000812741	TRUE
Chr16	25248834	25249113	Chr16.22210	0	TRUE	1	FALSE	0.001347501	TRUE
Chr16	25385811	25385890	Chr16.22251	0	TRUE	0.01244669	FALSE	0.001533924	TRUE
Chr16	25408233	25408343	Chr16.22377	0.00001	TRUE	0.315949898	FALSE	0.010301184	TRUE
Chr16	25445752	25445937	Chr16.22437	0	TRUE	0.032620037	FALSE	0.009156667	TRUE
Chr16	25465520	25465681	Chr16.22465	0.00004	TRUE	1	FALSE	0.019620019	TRUE
Chr16	27523675	27523864	Chr16.24098	0	TRUE	0.00004	TRUE	0.007247118	TRUE
Chr16	29876337	29876654	Chr16.25827	0	TRUE	0.007212619	FALSE	2.32E-05	TRUE
Chr16	29993764	29993886	Chr16.25913	0	TRUE	0.35186663	FALSE	0.003338557	TRUE
Chr16	30055979	30056186	Chr16.25986	0	TRUE	1	FALSE	0.002819237	TRUE
Chr16	32644688	32644807	Chr16.26208	0.00185	TRUE	1	FALSE	0.023268949	TRUE
Chr16	38088030	38088036	Chr16.34141	0.00088	TRUE	1	FALSE	0.004109236	TRUE
Chr16	38711613	38711613	Chr16.34881	0	TRUE	0.00001	FALSE	0.016889184	TRUE
Chr16	42041550	42041758	Chr16.38905	0.00001	TRUE	1	FALSE	0.004742468	TRUE
Chr16	42269703	42269821	Chr16.39301	0.0015	TRUE	1	FALSE	0.024902047	TRUE
Chr16	42337620	42337946	Chr16.39407	0.00003	TRUE	1	FALSE	0.000989405	TRUE
Chr16	42717783	42718120	Chr16.39758	0	TRUE	0.00002	FALSE	0.01000152	TRUE
Chr16	42875706	42875865	Chr16.39903	0.00068	TRUE	1	FALSE	0.005703658	TRUE
Chr16	43081307	43081423	Chr16.40179	0.00001	TRUE	1	FALSE	0.004271544	TRUE
Chr16	43129898	43130284	Chr16.40279	0.00001	TRUE	1	FALSE	0.003475797	TRUE
Chr16	43298071	43298529	Chr16.40583	0	TRUE	0.016627729	FALSE	0.007010043	TRUE
Chr16	43308038	43308286	Chr16.40610	0	TRUE	1	FALSE	1.69E-05	TRUE
Chr16	43355550	43355997	Chr16.40723	0.00001	FALSE	0.00001	FALSE	0.000152118	TRUE
Chr16	43464021	43464196	Chr16.41037	0.00014	TRUE	1	FALSE	0.010676699	TRUE
Chr16	43504485	43504717	Chr16.41139	0.00024	TRUE	1	FALSE	0.021877708	TRUE
Chr16	43507137	43507347	Chr16.41168	0.00005	TRUE	1	FALSE	0.011067307	TRUE
Chr16	43507633	43508664	Chr16.41174	0	TRUE	0.018693556	FALSE	0.000000000	TRUE
Chr16	43549459	43549580	Chr16.41344	0.00109	TRUE	1	FALSE	0.027609265	TRUE
Chr16	43581186	43581313	Chr16.41437	0.00001	TRUE	1	FALSE	0.023975607	TRUE
Chr16	43582028	43582445	Chr16.41441	0	TRUE	1	FALSE	0.004615626	TRUE
Chr16	43604713	43604861	Chr16.41488	0.00014	TRUE	1	FALSE	0.014706191	TRUE
Chr16	44542227	44542337	Chr16.43051	0.00022	TRUE	1	FALSE	0.008787305	TRUE
Chr16	44552637	44552816	Chr16.43063	0	TRUE	0.110300002	FALSE	0.003701283	TRUE
Chr16	44671892	44672062	Chr16.43209	0.00001	TRUE	1	FALSE	0.001541098	TRUE
Chr16	45093956	45094097	Chr16.43488	0.00002	TRUE	1	FALSE	0.000371506	TRUE
Chr16	45121325	45121496	Chr16.43578	0.00002	TRUE	1	FALSE	0.017775132	TRUE
Chr16	45962979	45962755	Chr16.44372	0	TRUE	1	FALSE	0.005070406	TRUE
Chr16	52071896	52072175	Chr16.48826	0	TRUE	1	FALSE	0.000442283	TRUE
Chr16	52988869	52989233	Chr16.49841	0	TRUE	1	FALSE	1.99E-05	TRUE
Chr16	53095512	53095771	Chr16.49909	0.0009	FALSE	0.0009	FALSE	0.027258783	TRUE
Chr16	57317007	57317401	Chr16.52716	0	TRUE	1	FALSE	4.61E-07	TRUE
Chr16	57448005	57448981	Chr16.52948	0	TRUE	1	FALSE	4.20E-06	TRUE
Chr16	57675296	57675419	Chr16.53471	0.00004	FALSE	0.00004	FALSE	0.000729601	TRUE
Chr16	57755483	57755764	Chr16.53688	0	TRUE	1	FALSE	0.005750711	TRUE
Chr16	62653890	62654003	Chr16.56922	0.00001	TRUE	1	FALSE	0.002920307	TRUE
Chr16	63292197	63292373	Chr16.57534	0	TRUE	1	FALSE	0.000916599	TRUE
Chr16	65942470	6594515	Chr16.58880	0.00001	TRUE	1	FALSE	0.012284417	TRUE
Chr16	67617705	67617985	Chr16.61425	0.00013	TRUE	1	FALSE	0.011442734	TRUE
Chr16	67619191	67620040	Chr16.61444	0	TRUE	1	FALSE	1.89E-05	TRUE
Chr16	67620541	67620684	Chr16.61452	0	TRUE	0.0022	FALSE	0.012450356	TRUE
Chr16	67621199	67621496	Chr16.61457	0.00049	TRUE	1	FALSE	0.02176826	TRUE
Chr16	70078804	70078819	Chr16.62709	0	TRUE	1	FALSE	3.18E-06	TRUE
Chr16	70093237	70093528	Chr16.62743	0	TRUE	1	FALSE	1.38E-05	TRUE
Chr16	70103960	70104111	Chr16.62767	0	TRUE	1	FALSE	0.000381538	TRUE
Chr16	70228792	70228900	Chr16.62918	0.00949	TRUE	1	FALSE	0.020265335	TRUE
Chr16	70244577	70244739	Chr16.62930	0	TRUE	1	FALSE	2.86E-06	TRUE
Chr16	70336904	70336955	Chr16.63634	0	TRUE	1	FALSE	0.004140165	TRUE
Chr16	71391943	71392133	Chr16.63947	0	TRUE	1	FALSE	9.20E-05	TRUE
Chr16	72665781	72666053	Chr16.64956	0	TRUE	1	FALSE	1.56E-05	TRUE
Chr16	72670436	72670635	Chr16.64967	0.00002	FALSE	0.00002	FALSE	0.011765243	TRUE
Chr16	72699160	72699278	Chr16.65030	0.00011	TRUE	1	FALSE	0.013665165	TRUE
Chr16	72788001	72788194	Chr16.65144	0.00003	TRUE	1	FALSE	0.00248804	TRUE
Chr16	72785127	72785336	Chr16.65148	0.00005	FALSE	0.00005	FALSE	0.000731404	TRUE
Chr16	72800121	72800556	Chr16.65166	0	TRUE	0.041454916	FALSE	0.018773319	TRUE
Chr16	72807428	72807625	Chr16.65184	0	TRUE	1	FALSE	0.000670609	TRUE
Chr16	72808332	72808631	Chr16.65187	0.00002	TRUE	1	FALSE	0.003780285	TRUE
Chr16	72811584	72811968	Chr16.65199	0	TRUE	1	FALSE	6.61E-06	TRUE
Chr16	72812046	72812632	Chr16.65203	0	TRUE	1	FALSE	0.002175806	TRUE
Chr16	72875351	72875825	Chr16.65309	0	TRUE	1	FALSE	0.002609981	TRUE
Chr16	72937148	72937341	Chr16.65426	0	TRUE	0.073234017	FALSE	0.000242964	TRUE
Chr16	73028477	73028663	Chr16.65712	0.00009	TRUE	1	FALSE	0.00363952	TRUE
Chr16	73330091	73330616	Chr16.66242	0	TRUE	1	FALSE	1.82E-07	TRUE
Chr16	73636344	73636451	Chr16.66292	0.00022	FALSE	0.00022	FALSE	0.002370394	TRUE
Chr16	73647248	73647610	Chr16.66299	0	TRUE	1	FALSE	0.000829493	TRUE
Chr16	73933897	73934168	Chr16.66652	0	TRUE	1	FALSE	0.002583756	TRUE
Chr16	74272998	74273312	Chr16.67260	0	TRUE	1	FALSE	1.69E-10	TRUE
Chr16	74349467	74349626	Chr16.67427	0	TRUE	1	FALSE	0.002511258	TRUE
Chr16	74409718	74409892	Chr16.67538	0.00002	TRUE	1	FALSE	0.008722807	TRUE
Chr16	77237018	77237306	Chr16.70471	0	TRUE	1	FALSE	2.48E-05	TRUE
Chr16	77237766	77237993	Chr16.70473	0	TRUE	1	FALSE	1.14E-05	TRUE
Chr16	77594611	77594826	Chr16.70558	0	TRUE	1	FALSE	0.000819459	TRUE
Chr16	77649218	77649357	Chr16.70968	0.00023	TRUE	1	FALSE	0.012658282	TRUE
Chr16	77653434	77653581	Chr16.70984	0	TRUE	1	FALSE	0.004898986	TRUE
Chr16	77894393	77894621	Chr16.71239	0	TRUE	1	FALSE	2.12E-05	TRUE
Chr16	80916080	80916276	Chr16.79491	0	TRUE	1	FALSE	2.46E-05	TRUE
Chr16	92773523	92773835	Chr16.81705	0.00002	TRUE	1	FALSE	0.012346986	TRUE
Chr16	92869702	92869993	Chr16.81818	0.00006	TRUE	1	FALSE	0.017620990	TRUE
Chr16	93054525	93054957	Chr16.82097	0	TRUE	1	FALSE	0.00078675	TRUE
Chr16	93268881	93267198	Chr16.82398	0	TRUE	1	FALSE	0.000784788	TRUE
Chr16	93994250	93994369	Chr16.83387	0	TRUE	0.099860825	FALSE	0.00138192	TRUE
Chr16	94143661	94143818	Chr16.83612	0.00009	TRUE	1	FALSE	0.00233331	TRUE
Chr16	94205055	94205256	Chr16.83699	0.00003	TRUE	1	FALSE	0.007722024	TRUE
Chr16	95582780	95582911	Chr16.84822	0.00004	FALSE	0.00004	FALSE	0.002601259	TRUE
Chr16	4434319	4434469	Chr17.1645	0.00001	TRUE	1	FALSE	0.00365425	TRUE
Chr17	4498348	4498806	Chr17.1700	0	TRUE	1	FALSE	0.000826606	TRUE
Chr17	6804047	6807077	Chr17.3895	0.00191	TRUE	1	FALSE	0.018616492	TRUE
Chr17	17441456	17441802	Chr17.10790	0	TRUE	0.207260585	FALSE	0.002207462	TRUE
Chr17	17624452	17624559	Chr17.11050	0.00138	TRUE	1	FALSE	0.006846378	TRUE
Chr17	17828267	17828397	Chr17.11080	0	TRUE	1	FALSE	0.002550139	TRUE
Chr17	23622314	23622424	Chr17.11975	0.0001	FALSE	0.0001	FALSE	0.013879476	TRUE
Chr17	26940239	26940353	Chr17.19726	0.00001	TRUE	1	FALSE	0.000352043	TRUE
Chr17	26988849	26988866	Chr17.19845	0	TRUE	1	FALSE	0.000964557	TRUE
Chr17	26971714	26971947	Chr17.19859	0.00045	FALSE	0.00045	FALSE	0.016833497	TRUE
Chr17	27146290								

Chr17	34656762	34657015	Chr17.30971	0	TRUE	1	FALSE	0.000494135	TRUE
Chr17	34894364	34894562	Chr17.32208	0.00064	TRUE	1	FALSE	0.005144697	TRUE
Chr17	35043634	35043760	Chr17.32982	0	TRUE	1	FALSE	1.78E-05	TRUE
Chr17	35051873	35052002	Chr17.33013	0	TRUE	1	FALSE	2.09E-07	TRUE
Chr17	35136864	35136938	Chr17.33347	0.00055	TRUE	1	FALSE	0.008276019	TRUE
Chr17	35165048	35165248	Chr17.33517	0.00055	TRUE	1	FALSE	0.000641125	TRUE
Chr17	35199372	35199545	Chr17.33581	0.00005	TRUE	1	FALSE	0.002192411	TRUE
Chr17	35205134	35205442	Chr17.33633	0.00015	TRUE	1	FALSE	0.004009828	TRUE
Chr17	35218983	35219100	Chr17.33649	0.00001	TRUE	1	FALSE	0.009014998	TRUE
Chr17	35686107	35686208	Chr17.34225	0.00022	TRUE	1	FALSE	0.017403047	TRUE
Chr17	35697707	35697913	Chr17.34275	0	TRUE	1	FALSE	4.59E-06	TRUE
Chr17	35698033	35698179	Chr17.34277	0.00026	TRUE	1	FALSE	0.017945248	TRUE
Chr17	35841116	35841282	Chr17.34431	0	TRUE	1	FALSE	0.001753843	TRUE
Chr17	35869296	35869537	Chr17.34539	0	TRUE	1	FALSE	9.51E-06	TRUE
Chr17	35902246	35902418	Chr17.34693	0	TRUE	1	FALSE	1.54E-05	TRUE
Chr17	35916831	35916783	Chr17.34740	0.00007	TRUE	1	FALSE	0.000103481	TRUE
Chr17	35917513	35917643	Chr17.34751	0.00038	TRUE	1	FALSE	0.021375512	TRUE
Chr17	37049876	37049804	Chr17.35444	0.00032	TRUE	1	FALSE	0.007484721	TRUE
Chr17	44359868	443510315	Chr17.38449	0	TRUE	1	FALSE	0.00351083	TRUE
Chr17	44321180	44321424	Chr17.38469	0	TRUE	1	FALSE	0.000370853	TRUE
Chr17	44466678	44466781	Chr17.38693	0.00153	TRUE	1	FALSE	0.012228839	TRUE
Chr17	44670348	44670554	Chr17.39049	0.00019	TRUE	1	FALSE	0.013852333	TRUE
Chr17	44812833	44813045	Chr17.39279	0.00183	TRUE	1	FALSE	0.016027152	TRUE
Chr17	45118702	45119076	Chr17.39617	0.00003	TRUE	1	FALSE	0.008421408	TRUE
Chr17	45119129	45119501	Chr17.39622	0	TRUE	1	FALSE	0.000057772	TRUE
Chr17	45217203	45217328	Chr17.39737	0.00086	TRUE	1	FALSE	0.030969372	TRUE
Chr17	45377011	45377203	Chr17.39946	0.00061	TRUE	1	FALSE	0.016147633	TRUE
Chr17	45377281	45377397	Chr17.39951	0	TRUE	1	FALSE	0.000311593	TRUE
Chr17	45440885	45401259	Chr17.39978	0	TRUE	1	FALSE	0.002898997	TRUE
Chr17	45841366	45841546	Chr17.40069	0.00001	TRUE	1	FALSE	0.00135007	TRUE
Chr17	46024589	46024716	Chr17.41112	0.00001	TRUE	1	FALSE	0.001390717	TRUE
Chr17	46028762	46028937	Chr17.41134	0.00014	TRUE	1	FALSE	0.008114478	TRUE
Chr17	46042740	46042914	Chr17.41167	0	TRUE	1	FALSE	0.001182236	TRUE
Chr17	46063302	46063512	Chr17.41192	0.00052	TRUE	1	FALSE	0.005799362	TRUE
Chr17	46116127	46116391	Chr17.41249	0.00027	TRUE	1	FALSE	0.008704952	TRUE
Chr17	46160386	46160620	Chr17.41281	0.00045	TRUE	1	FALSE	0.027074	TRUE
Chr17	46266183	46266285	Chr17.41691	0.00002	TRUE	1	FALSE	0.000977638	TRUE
Chr17	46268412	46268528	Chr17.41693	0.00207	TRUE	1	FALSE	0.028921989	TRUE
Chr17	46282226	46282507	Chr17.41714	0	TRUE	1	FALSE	0.002121075	TRUE
Chr17	46284792	46284949	Chr17.41719	0.00027	TRUE	1	FALSE	0.013167252	TRUE
Chr17	46618623	46618907	Chr17.42656	0.00098	TRUE	1	FALSE	0.011525714	TRUE
Chr17	46645132	46645272	Chr17.42736	0	TRUE	1	FALSE	1.42E-05	TRUE
Chr17	46680898	46681093	Chr17.42974	0.00307	TRUE	1	FALSE	0.011727502	TRUE
Chr17	47143730	47143879	Chr17.43806	0.00011	TRUE	1	FALSE	0.027314586	TRUE
Chr17	47143981	47144179	Chr17.43808	0	TRUE	0.475569326	FALSE	1.85E-05	TRUE
Chr17	47441763	47441904	Chr17.43987	0.00013	TRUE	1	FALSE	0.008453465	TRUE
Chr17	47748789	47748952	Chr17.44516	0.00135	TRUE	1	FALSE	0.024366652	TRUE
Chr17	47930878	47930778	Chr17.44811	0.00231	TRUE	1	FALSE	0.024688118	TRUE
Chr17	48808177	48808288	Chr17.45425	0	TRUE	1	FALSE	2.57E-06	TRUE
Chr17	49019044	49019243	Chr17.45603	0	TRUE	1	FALSE	0.000971989	TRUE
Chr17	49078324	49078448	Chr17.45695	0.00026	TRUE	1	FALSE	0.001603457	TRUE
Chr17	49564761	49564976	Chr17.46121	0.00005	TRUE	1	FALSE	0.001175521	TRUE
Chr17	49800320	49800601	Chr17.46458	0.00005	TRUE	0.452894161	FALSE	0.017313871	TRUE
Chr17	49824610	49824710	Chr17.46471	0.00009	TRUE	1	FALSE	0.004988274	TRUE
Chr17	50510454	50510588	Chr17.47037	0.00004	TRUE	1	FALSE	0.000806161	TRUE
Chr17	51263200	51263325	Chr17.47146	0	TRUE	1	FALSE	0.000441772	TRUE
Chr17	51798636	51799169	Chr17.48641	0.00004	TRUE	1	FALSE	0.029288552	TRUE
Chr17	56738544	56738719	Chr17.52497	0	TRUE	0.048107596	FALSE	0.011502866	TRUE
Chr17	57266188	57265715	Chr17.53780	0	TRUE	1	FALSE	1.28E-06	TRUE
Chr17	59177855	59178047	Chr17.54410	0.00002	TRUE	1	FALSE	0.014228065	TRUE
Chr17	59373690	59374017	Chr17.54647	0	TRUE	1	FALSE	0.000435651	TRUE
Chr17	59430043	59430195	Chr17.54730	0	TRUE	1	FALSE	0.001143115	TRUE
Chr17	60529040	60529173	Chr17.55550	0.0001	TRUE	1	FALSE	0.004626148	TRUE
Chr17	62280224	62280565	Chr17.56400	0	TRUE	1	FALSE	7.66E-07	TRUE
Chr17	62286412	62286728	Chr17.56405	0	TRUE	1	FALSE	0.000155131	TRUE
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Chr17	62807575	62807790	Chr17.57652	0.00001	TRUE	1	FALSE	0.015672984	TRUE
Chr17	62851252	62851424	Chr17.57777	0	TRUE	1	FALSE	0.000083983	TRUE
Chr17	62963156	62963271	Chr17.57928	0.00007	TRUE	1	FALSE	0.009555928	TRUE
Chr17	62961271	62961719	Chr17.58009	0	TRUE	0.008561873	FALSE	0.00331855	TRUE
Chr17	63012219	63012514	Chr17.58105	0	TRUE	1	FALSE	0.00405461	TRUE
Chr17	63075192	63075460	Chr17.58194	0	TRUE	1	FALSE	0.000147183	TRUE
Chr17	63863865	63864151	Chr17.58807	0.0001	TRUE	1	FALSE	0.007107371	TRUE
Chr17	64206145	64206310	Chr17.59205	0	TRUE	1	FALSE	0.00588808	TRUE
Chr17	66843454	66843600	Chr17.61526	0	TRUE	1	FALSE	0.003457845	TRUE
Chr17	71018430	71018698	Chr17.65127	0.0031	TRUE	1	FALSE	0.027542988	TRUE
Chr17	71980884	71981015	Chr17.66375	0.00021	TRUE	1	FALSE	0.002526005	TRUE
Chr17	72937754	72937877	Chr17.67627	0.00131	TRUE	1	FALSE	0.022898714	TRUE
Chr17	73220447	73220781	Chr17.67856	0.00003	TRUE	1	FALSE	0.006889668	TRUE
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Chr17	75180011	75180198	Chr17.69662	0	TRUE	1	FALSE	6.58E-05	TRUE
Chr17	75368064	75368778	Chr17.70006	0.00007	TRUE	1	FALSE	0.030959361	TRUE
Chr17	75816881	75817158	Chr17.70445	0	TRUE	0.056970644	FALSE	0.000701244	TRUE
Chr17	78202827	78203078	Chr17.71707	0.00019	TRUE	1	FALSE	0.005345834	TRUE
Chr17	78508117	78508452	Chr17.72153	0	TRUE	1	FALSE	0.004097478	TRUE
Chr17	78503361	78503621	Chr17.72331	0.00001	TRUE	1	FALSE	0.024842938	TRUE
Chr17	83116387	83116525	Chr17.76310	0.00003	TRUE	1	FALSE	0.003682038	TRUE
Chr17	83250847	83251191	Chr17.76555	0	TRUE	1	FALSE	7.40E-05	TRUE
Chr17	83311887	83312145	Chr17.76619	0.00001	TRUE	1	FALSE	0.008403346	TRUE
Chr17	83706805	83707152	Chr17.77003	0	TRUE	1	FALSE	6.93E-06	TRUE
Chr17	83962977	83963391	Chr17.77229	0.00005	TRUE	1	FALSE	0.01195759	TRUE
Chr17	84062131	84062248	Chr17.77328	0.00105	TRUE	1	FALSE	0.012131482	TRUE
Chr17	84421046	84421245	Chr17.77841	0	TRUE	0.327384799	FALSE	2.25E-05	TRUE
Chr17	84510302	84510741	Chr17.77956	0	TRUE	1	FALSE	0.005660376	TRUE
Chr17	84848052	84848923	Chr17.78601	0.0089	TRUE	1	FALSE	0.025496072	TRUE
Chr17	84877988	84878222	Chr17.78616	0.00005	TRUE	1	FALSE	0.005361461	TRUE
Chr17	85235472	85235629	Chr17.79053	0.00031	TRUE	1	FALSE	0.002120426	TRUE
Chr17	85462751	85462858	Chr17.79471	0	TRUE	1	FALSE	0.002146889	TRUE
Chr17	85698310	85698633	Chr17.79813	0.00002	TRUE	1	FALSE	0.002039671	TRUE
Chr17	85785521	85786204	Chr17.79915	0	TRUE	1	FALSE	0.000648708	TRUE
Chr17	85803873	85804111	Chr17.79962	0.00001	TRUE	1	FALSE	0.011225254	TRUE
Chr17	85869364	85869651	Chr17.80259	0	TRUE	0.445929059	FALSE	0.004772991	TRUE
Chr17	86034000	86034224	Chr17.80332	0	TRUE	1	FALSE	0.001638961	TRUE
Chr17	87057802	87058194	Chr17.81558	0.00001	TRUE	1	FALSE	0.001074072	TRUE
Chr17	87317338	87317478	Chr17.81851	0.00007	TRUE	1	FALSE	0.007686707	TRUE
Chr17	87377149	87377387	Chr17.81990	0	TRUE	1	FALSE	0.009869253	TRUE
Chr17	87461120	87461302	Chr17.82092	0	TRUE	0.247007042	FALSE	0.005193037	TRUE
Chr17	87877435	87877610	Chr17.82387	0.00007	TRUE	1	FALSE	0.008688888	TRUE
Chr17	88026294	88026342	Chr17.82523	0	TRUE	0.075005372	FALSE	0.003034046	TRUE
Chr17	88159715	88160017	Chr17.82607	0	TRUE	1	FALSE	0.000712952	TRUE
Chr18	3653422	3653553	Chr18.238	0.00001	TRUE	1	FALSE	0.000107126	TRUE
Chr18	6514633	6515124	Chr18.2505	0.00004	TRUE	1	FALSE	0.018540137	TRUE
Chr18	6568140	6568504	Chr18.2722	0	TRUE	1	FALSE	0.001883393	TRUE
Chr18	8295238	8295406	Chr18.3299	0.00048	TRUE	1	FALSE	0.023319597	TRUE
Chr18	10978433	10978643	Chr18.5133	0	TRUE	1	FALSE	1.8E-05	TRUE
Chr18	13373673	13374170	Chr18.7563	0	TRUE	1	FALSE	0.004242597	TRUE
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Chr18	13620916	13621094	Chr18.8007	0.00058	TRUE	1	FALSE	0.010121556	TRUE
Chr18	13794025	13794860	Chr18.8455	0	TRUE	1	FALSE	0.002020336	TRUE
Chr18	13870674	13871156	Chr18.8753	0	TRUE	1	FALSE	0.006784455	TRUE
Chr18	13872187	13872356	Chr18.8764	0.00015	TRUE	1			

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Chr18	38186376	38186862	Chr18.39076	0	TRUE	1	FALSE	0.001449715	TRUE
Chr18	38190579	38190936	Chr18.39107	0.00025	TRUE	1	FALSE	0.002583044	TRUE
Chr18	38893072	38893172	Chr18.40363	0.00122	TRUE	1	FALSE	0.008386867	TRUE
Chr18	39096469	39096673	Chr18.40322	0.00137	TRUE	1	FALSE	0.002415192	TRUE
Chr18	39215175	39215436	Chr18.40657	0.00064	TRUE	1	FALSE	0.02611494	TRUE
Chr18	42036774	42036917	Chr18.43252	0	TRUE	1	FALSE	6.13E-06	TRUE
Chr18	42454192	42454474	Chr18.43864	0	TRUE	1	FALSE	0.001005986	TRUE
Chr18	42897959	42898306	Chr18.44556	0.00001	TRUE	1	FALSE	0.006755403	TRUE
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Chr18	47170318	47170444	Chr18.47491	0.00025	TRUE	1	FALSE	0.023198026	TRUE
Chr18	47304314	47304658	Chr18.47831	0.00001	TRUE	1	FALSE	0.018664116	TRUE
Chr18	47907198	47907413	Chr18.48610	0	TRUE	1	FALSE	0.000197316	TRUE
Chr18	49289173	49289290	Chr18.49600	0.00017	TRUE	1	FALSE	0.021062446	TRUE
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Chr18	51119618	51119734	Chr18.50790	0	TRUE	1	FALSE	0.000129807	TRUE
Chr18	52587750	52588041	Chr18.51229	0	TRUE	1	FALSE	0.001977127	TRUE
Chr18	52833071	52833161	Chr18.51642	0.00005	FALSE	1	FALSE	0.001648999	TRUE
Chr18	53316878	53317031	Chr18.52199	0.00001	TRUE	1	FALSE	0.002216035	TRUE
Chr18	53580625	53580735	Chr18.52620	0.00049	TRUE	1	FALSE	0.027142252	TRUE
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Chr18	54718927	54718991	Chr18.53931	0	TRUE	1	FALSE	0.73E-05	TRUE
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Chr18	55443125	55443372	Chr18.55223	0	FALSE	1	FALSE	0.000416791	TRUE
Chr18	55545986	55546269	Chr18.55394	0	TRUE	1	FALSE	5.83E-05	TRUE
Chr18	55562617	55562932	Chr18.55433	0	TRUE	1	FALSE	0.000247099	TRUE
Chr18	56014696	56015124	Chr18.55853	0	FALSE	1	FALSE	0.00492363	TRUE
Chr18	61340474	61340566	Chr18.61362	0.00001	TRUE	0.125655048	FALSE	0.0009316531	TRUE
Chr18	62823485	62823636	Chr18.62851	0.00024	TRUE	1	FALSE	0.022567197	TRUE
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Chr18	64464643	64464661	Chr18.64707	0.0001	TRUE	1	FALSE	0.013540395	TRUE
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Chr18	68707114	68707290	Chr18.68136	0.00142	FALSE	1	FALSE	0.002122068	TRUE
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Chr18	69470034	69470158	Chr18.69389	0	FALSE	1	FALSE	0.000433025	TRUE
Chr18	69500797	69501027	Chr18.69468	0	TRUE	1	FALSE	0.000377521	TRUE
Chr18	69596130	69596372	Chr18.69761	0	TRUE	1	FALSE	1.09E-06	TRUE
Chr18	69601085	69601268	Chr18.69778	0	FALSE	1	FALSE	0.001679038	TRUE
Chr18	69613283	69613790	Chr18.69826	0.00021	TRUE	1	FALSE	0.02604661	TRUE
Chr18	69676003	69676217	Chr18.69986	0.00002	TRUE	1	FALSE	0.013960876	TRUE
Chr18	69734254	69734374	Chr18.70110	0	TRUE	1	FALSE	0.000103936	TRUE
Chr18	70140980	70141179	Chr18.70339	0.00001	FALSE	1	FALSE	0.002424821	TRUE
Chr18	73634750	73634961	Chr18.73326	0.00001	TRUE	1	FALSE	0.018226974	TRUE
Chr18	75263513	75263616	Chr18.74671	0	TRUE	0.555985646	FALSE	0.003336281	TRUE
Chr18	75378547	75378765	Chr18.74818	0.00038	TRUE	1	FALSE	0.030471426	TRUE
Chr18	75382170	75382385	Chr18.74825	0	TRUE	1	FALSE	0.000666611	TRUE
Chr18	75518276	75518399	Chr18.75064	0.00002	TRUE	0.427138244	FALSE	0.023162607	TRUE
Chr18	77563098	77563259	Chr18.77055	0	FALSE	1	FALSE	0.000209472	TRUE
Chr18	78260094	78260221	Chr18.77674	0.00004	TRUE	1	FALSE	0.000625899	TRUE
Chr18	78333903	78334029	Chr18.77978	0	TRUE	1	FALSE	0.000441267	TRUE
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Chr18	78776085	78776060	Chr18.78330	0.00004	FALSE	1	FALSE	0.000120953	TRUE
Chr18	78832652	78833117	Chr18.78702	0	TRUE	0.181613248	FALSE	0.028554815	TRUE
Chr18	78972026	78973534	Chr18.78976	0.00003	TRUE	1	FALSE	0.008791754	TRUE
Chr18	79020310	79020466	Chr18.79051	0	TRUE	1	FALSE	0.001364197	TRUE
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Chr18	79106383	79106497	Chr18.79213	0.000025	TRUE	1	FALSE	0.020597269	TRUE
Chr18	79495790	79495958	Chr18.79528	0.00002	FALSE	1	FALSE	0.000422682	TRUE
Chr18	83265346	83265478	Chr18.82208	0.00101	TRUE	1	FALSE	0.012225742	TRUE
Chr18	83490020	83490122	Chr18.82404	0.00131	TRUE	1	FALSE	0.017036371	TRUE
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Chr18	84085013	84085134	Chr18.83169	0.00001	TRUE	1	FALSE	0.022816901	TRUE
Chr18	84194258	84194390	Chr18.83346	0.00019	TRUE	1	FALSE	0.026238318	TRUE
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Chr18	4195283	4195618	Chr19.2103	0.00167	TRUE	1	FALSE	0.014600977	TRUE
Chr19	5274015	5274116	Chr19.4585	0.00009	TRUE	0.116615685	FALSE	0.025521932	TRUE
Chr19	5494921	5495056	Chr19.5008	0.00041	TRUE	1	FALSE	0.002441893	TRUE
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Chr19	8832346	8832597	Chr19.11220	0	TRUE	0.037234838	FALSE	0.018652153	TRUE
Chr19	8951880	8952295	Chr19.11759	0.0001	FALSE	1	FALSE	0.009124895	TRUE
Chr19	8967165	8967275	Chr19.11824	0.00079	TRUE	1	FALSE	0.005861659	TRUE
Chr19	10245684	10245783	Chr19.12946	0	TRUE	1	FALSE	0.000144104	TRUE
Chr19	10276945	10276783	Chr19.13042	0.00108	FALSE	1	FALSE	0.020260723	TRUE
Chr19	10294805	10295102	Chr19.13073	0	TRUE	1	FALSE	2.36E-07	TRUE
Chr19	10385725	10385889	Chr19.13160	0.00037	TRUE	1	FALSE	0.016914014	TRUE
Chr19	12493829	12494071	Chr19.15707	0.00331	TRUE	1	FALSE	0.025278133	TRUE
Chr19	14595242	14595470	Chr19.17274	0.00002	FALSE	1	FALSE	0.01024693	TRUE
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Chr19	18420346	18420584	Chr19.21306	0.00013	TRUE	1	FALSE	0.026631726	TRUE
Chr19	19977889	19977904	Chr19.22723	0	TRUE	0.251115712	FALSE	0.00763002	TRUE
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Chr19	22045217	22045456	Chr19.24199	0.00002	TRUE	1	FALSE	0.003165993	TRUE
Chr19	22100755	22100874	Chr19.24382	0	TRUE	1	FALSE	0.000332351	TRUE
Chr19	22447670	22448485	Chr19.24502	0.0001	TRUE	1	FALSE	0.004183127	TRUE
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Chr19	23142672	23142838	Chr19.25225	0	TRUE	0.533948199	FALSE	0.005205922	TRUE
Chr19	24862281	24862401	Chr19.26918	0.00222	TRUE	1	FALSE	0.0169733	TRUE
Chr19	25326943	25326930	Chr19.27412	0	TRUE	1	FALSE	0.000134145	TRUE
Chr19	25365158	25365382	Chr19.27482	0.00013	FALSE	1	FALSE	0.00569463	TRUE
Chr19	25654214	25654387	Chr19.27911	0.00003	TRUE	1	FALSE	0.0019539	TRUE
Chr19	25782080	25783223	Chr19.28104	0.00001	TRUE	1	FALSE	0.003433878	TRUE
Chr19	26243958	26244317	Chr19.28540	0	FALSE	1	FALSE	3.54E-05	TRUE
Chr19	26478314	26478469	Chr19.28739	0	TRUE	1	FALSE	0.002074679	TRUE
Chr19	27917002	279172							

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Chr19	50440401	50440641	Chr19.56145	0	TRUE	1	FALSE	0.000172123	TRUE	
Chr19	53043417	53043538	Chr19.57030	0.00001	TRUE	1	FALSE	0.000484728	TRUE	
Chr19	53080870	53081144	Chr19.57577	0.00019	TRUE	1	FALSE	0.020124203	TRUE	
Chr19	53136311	53136618	Chr19.57657	0.00001	TRUE	1	FALSE	0.004963867	TRUE	
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Chr19	54582171	54582337	Chr19.59428	0.00023	TRUE	1	FALSE	0.022618112	TRUE	
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Chr19	55607426	55607625	Chr19.60883	0	TRUE	1	FALSE	2.81E-05	TRUE	
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Chr19	55749317	55749524	Chr19.61176	0.00013	TRUE	1	FALSE	0.01146219	TRUE	
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Chr19	55989821	55989872	Chr19.61789	0.0012	TRUE	1	FALSE	0.021401483	TRUE	
Chr19	56116262	56116566	Chr19.62006	0	TRUE	1	FALSE	0.000305854	TRUE	
Chr19	56320455	56320840	Chr19.62399	0	TRUE	1	FALSE	2.17E-06	TRUE	
Chr19	56602039	56602152	Chr19.62973	0.00001	TRUE	1	FALSE	0.004123987	TRUE	
Chr19	56631634	56631783	Chr19.63004	0	TRUE	1	FALSE	0.010783217	TRUE	
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Chr19	58423071	58423226	Chr19.65796	0.0002	TRUE	1	FALSE	0.021147339	TRUE	
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Chr19	59193119	59193339	Chr19.67010	0	TRUE	0.23813221	FALSE	0.004736915	TRUE	
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Chr19	60121009	60122106	Chr19.68398	0	TRUE	1	FALSE	0.002564113	TRUE	
Chr19	60142035	60142419	Chr19.68423	0.00003	TRUE	0.372249557	FALSE	0.018193658	TRUE	
Chr19	60935670	60936149	Chr19.69437	0	TRUE	1	FALSE	0.01714663	TRUE	
Chr2	12709641	12709793	Chr2.8887	0.00002	TRUE	1	FALSE	0.008715032	TRUE	
Chr2	17339411	17339627	Chr2.13162	0.00001	FALSE	1	FALSE	0.006879522	TRUE	
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Chr2	18315019	18315228	Chr2.14003	0	FALSE	1	FALSE	0.00980746	TRUE	
Chr2	24539298	24539468	Chr2.18221	0	TRUE	1	FALSE	0.011199612	TRUE	
Chr2	29051690	29051931	Chr2.26054	0.0001	TRUE	1	FALSE	0.014321689	TRUE	
Chr2	29488457	29488739	Chr2.26697	0	TRUE	1	FALSE	0.012102737	TRUE	
Chr2	29827307	29827473	Chr2.27192	0.00006	TRUE	1	FALSE	0.002626195	TRUE	
Chr2	29856716	29857049	Chr2.27281	0	TRUE	1	FALSE	1.17E-05	TRUE	
Chr2	30077682	30077788	Chr2.27882	0.00012	TRUE	1	FALSE	0.008704554	TRUE	
Chr2	30470679	30470815	Chr2.28936	0.00002	FALSE	1	FALSE	0.028383317	TRUE	
Chr2	31206972	31207155	Chr2.29686	0.00002	TRUE	1	FALSE	0.001560768	TRUE	
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Chr2	31962711	31962894	Chr2.31426	0.00001	FALSE	1	FALSE	0.001138958	TRUE	
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Chr2	33736464	33736598	Chr2.34802	0.00003	TRUE	0.304318893	FALSE	0.014785504	TRUE	
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Chr2	34532506	34532766	Chr2.36027	0	TRUE	1	FALSE	0.001234959	TRUE	
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Chr2	34569182	34569376	Chr2.36113	0	FALSE	1	FALSE	0.004997144	TRUE	
Chr2	35811960	35812171	Chr2.37788	0.00009	TRUE	1	FALSE	0.022446089	TRUE	
Chr2	36148923	36149059	Chr2.38254	0	TRUE	1	FALSE	0.000123768	TRUE	
Chr2	37443021	37443253	Chr2.39397	0.00059	TRUE	1	FALSE	0.012073471	TRUE	
Chr2	37908000	37909047	Chr2.40234	0	TRUE	1	FALSE	0.010689792	TRUE	
Chr2	38163366	38163505	Chr2.40759	0.00001	TRUE	1	FALSE	0.001291946	TRUE	
Chr2	38824287	38824485	Chr2.41838	0.00005	TRUE	1	FALSE	0.00678169	TRUE	
Chr2	38926737	38926990	Chr2.41968	0	FALSE	1	FALSE	4.43E-05	TRUE	
Chr2	44124480	44124612	Chr2.45631	0.00001	TRUE	1	FALSE	0.000597998	TRUE	
Chr2	44206666	44206857	Chr2.45796	0.00046	TRUE	1	FALSE	0.027174545	TRUE	
Chr2	44438211	44438475	Chr2.46321	0.00021	TRUE	1	FALSE	0.0152331	TRUE	
Chr2	44591540	44591708	Chr2.46618	0	TRUE	1	FALSE	3.29E-06	TRUE	
Chr2	45102292	45102815	Chr2.47794	0	TRUE	1	FALSE	8.10E-07	TRUE	
Chr2	45184370	45184521	Chr2.48088	0.00015	TRUE	1	FALSE	0.014699593	TRUE	
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Chr2	45359685	45359925	Chr2.48469	0	TRUE	1	FALSE	0.002612483	TRUE	
Chr2	45693455	45693686	Chr2.49115	0.00004	TRUE	1	FALSE	0.013191977	TRUE	
Chr2	46465423	46465712	Chr2.49983	0.00009	FALSE	1	FALSE	0.01471572	TRUE	
Chr2	48417259	48417426	Chr2.51480	0	TRUE	0.162144989	FALSE	0.00032228	TRUE	
Chr2	49313496	49313621	Chr2.52616	0	TRUE	0.375945205	FALSE	0.013625263	TRUE	
Chr2	49719345	49719181	Chr2.52854	0.00004	FALSE	1	FALSE	0.017308062	TRUE	
Chr2	49719936	49720286	Chr2.52972	0.00008	TRUE	1	FALSE	0.006929689	TRUE	
Chr2	50810534	50811188	Chr2.54240	0	TRUE	1	FALSE	0.000486572	TRUE	
Chr2	50835490	50835687	Chr2.54297	0	TRUE	1	FALSE	0.00142691	TRUE	
Chr2	50890902	50891198	Chr2.54395	0.00001	TRUE	1	FALSE	0.00477011	TRUE	
Chr2	51081285	51081437	Chr2.54552	0.00007	TRUE	1	FALSE	0.003833	TRUE	
Chr2	51645704	51645917	Chr2.55146	0.00025	TRUE	1	FALSE	0.024376446	TRUE	
Chr2	52944108	52944237	Chr2.57079	0	FALSE	1	FALSE	0.000279996	TRUE	
Chr2	53037006	53037130	Chr2.57168	0.00191	TRUE	1	FALSE	0.0299624184	TRUE	
Chr2	53038811	53044144	Chr2.57198	0	TRUE	1	FALSE	6.45E-05	TRUE	
Chr2	54436152	54436341	Chr2.58033	0.00043	FALSE	1	FALSE	0.027433328	TRUE	
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Chr2	57616688	57616932	Chr2.60400	0	TRUE	1	FALSE	8.50E-05	TRUE	
Chr2	57698602	57698838	Chr2.60452	0.00003	TRUE	1	FALSE	0.018352632	TRUE	
Chr2	57848008	57848233	Chr2.60618	0	TRUE	1	FALSE	0.004659473	TRUE	
Chr2	58481492	58481792	Chr2.61289	0	TRUE	1	FALSE	0.001547884	TRUE	
Chr2	58486168	58486356	Chr2.61290	0.00004	TRUE	1	FALSE	0.000597169	TRUE	
Chr2	58488867	58489775	Chr2.61299	0	TRUE	1	FALSE	0.001833524	TRUE	
Chr2	58595257	58595522	Chr2.61457	0.00012	TRUE	1	FALSE	0.004721714	TRUE	
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Chr2	58535117	58535598	Chr2.61740	0.00005	FALSE	1	FALSE	0.000351954	TRUE	
Chr2	59593846	59594317	Chr2.62615	0	TRUE	1	FALSE	1.30E-07	TRUE	
Chr2	60042768	60042902	Chr2.63265	0	TRUE	1	FALSE	0.004479626	TRUE	
Chr2	60786289	60786527	Chr2.64279	0	TRUE	1	FALSE	0.0006918	TRUE	mm1564
Chr2	60802224	60802514	Chr2.64411	0.00001	TRUE	1	FALSE	0.00001766	TRUE	
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Chr2	61176985	61177102	Chr2.64737	0.00013	TRUE	1	FALSE	0.008271717	TRUE	
Chr2	62360034	62360228	Chr2.66104	0	TRUE	1	FALSE	0.000101513	TRUE	
Chr2	63373561	63374182	Chr2.67399	0.00024	FALSE	1	FALSE	0.017881112	TRUE	
Chr2	64043188	64043336	Chr2.68117	0.00001	TRUE	1	FALSE	0.001969126	TRUE	
Chr2	64065576	64065724	Chr2.68164	0	TRUE	1	FALSE	3.76E-08	TRUE	
Chr2	64092911	64093098	Chr2.68281	0.00001	TRUE	1	FALSE	0.008197757	TRUE	
Chr2	65656096	65656814	Chr2.70323	0.00007	TRUE	1	FALSE	0.023453337	TRUE	
Chr2	65818522	65818843	Chr2.70393	0.00001	TRUE	1	FALSE	0.004105932	TRUE	
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Chr2	69215513	69215633	Chr2.73793	0	FALSE	1	FALSE	0.001139312	TRUE	
Chr2	69722803	69722914	Chr2.74892	0.00991	TRUE	1	FALSE	0.031083841	TRUE	
Chr2	70443161	70443285	Chr2.75882	0						

Chr2	9153726	9153786	Chr2:102367	0.00148	TRUE	1	FALSE	0.004430296	TRUE
Chr2	91537629	91538091	Chr2:102372	0.00039	TRUE	1	FALSE	0.011869179	TRUE
Chr2	91538073	9185264	Chr2:102996	0	TRUE	1	FALSE	0.005374743	TRUE
Chr2	92055836	92056030	Chr2:103527	0.00007	TRUE	1	FALSE	0.020925261	TRUE
Chr2	92972774	92973061	Chr2:104780	0	TRUE	0.015876507	FALSE	0.007888773	TRUE
Chr2	93895013	93896622	Chr2:105454	0.00004	TRUE	1	FALSE	0.003894931	TRUE
Chr2	94122318	94123119	Chr2:106008	0	TRUE	1	FALSE	0.000312386	TRUE
Chr2	95232440	95232566	Chr2:107019	0.00033	TRUE	1	FALSE	0.003566468	TRUE
Chr2	95232815	95232760	Chr2:107021	0	TRUE	0.00083	FALSE	0.017035017	TRUE
Chr2	102143077	10214322	Chr2:110993	0.00011	TRUE	1	FALSE	0.003669913	TRUE
Chr2	102232190	102232136	Chr2:111111	0	TRUE	0.000881654	FALSE	0.003618743	TRUE
Chr2	102440379	102440613	Chr2:111371	0.00006	TRUE	0.054195365	FALSE	0.03064216	TRUE
Chr2	102468010	102468078	Chr2:111413	0	TRUE	0.00001	FALSE	0.01617194	TRUE
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Chr2	102873969	102873591	Chr2:112045	0	TRUE	1	FALSE	0.015811211	TRUE
Chr2	103144491	103144693	Chr2:112331	0	TRUE	1	FALSE	0.000589661	TRUE
Chr2	103720688	103720792	Chr2:113139	0.00042	TRUE	0.31153567	FALSE	0.020637904	TRUE
Chr2	104814649	104814771	Chr2:114407	0.00012	TRUE	1	FALSE	0.003131951	TRUE
Chr2	105077028	105077269	Chr2:115588	0.00002	TRUE	0.005407129	FALSE	0.001476922	TRUE
Chr2	106461991	106462224	Chr2:116710	0	TRUE	0.009097035	FALSE	0.014833114	TRUE
Chr2	106462280	106462595	Chr2:116714	0	TRUE	1	FALSE	0.000443585	TRUE
Chr2	106577310	106577411	Chr2:116852	0.00005	TRUE	0.104960215	FALSE	0.02384339	TRUE
Chr2	106577444	106577785	Chr2:116853	0	TRUE	0.007619669	FALSE	0.021628826	TRUE
Chr2	106743646	106743940	Chr2:117139	0	TRUE	0.014803831	FALSE	0.000221903	TRUE
Chr2	106797826	106798092	Chr2:117246	0	TRUE	0.00002	FALSE	0.000591055	TRUE
Chr2	106856720	106856824	Chr2:117349	0.00008	TRUE	1	FALSE	0.0120836	TRUE
Chr2	108828155	108828283	Chr2:118718	0.00008	TRUE	1	FALSE	0.36E-05	TRUE
Chr2	109917458	109917838	Chr2:119786	0.00002	TRUE	1	FALSE	0.00763543	TRUE
Chr2	110320062	110320286	Chr2:120283	0.00004	TRUE	1	FALSE	0.014811616	TRUE
Chr2	112455669	112455860	Chr2:121398	0.00008	TRUE	1	FALSE	2.43E-05	TRUE
Chr2	113216863	113217013	Chr2:122358	0	TRUE	1	FALSE	0.009015857	TRUE
Chr2	113405205	113405359	Chr2:122540	0.00106	TRUE	0.464078232	FALSE	0.013395395	TRUE
Chr2	113444722	113444904	Chr2:122811	0.00001	TRUE	1	FALSE	1.26E-08	TRUE
Chr2	113537917	113538385	Chr2:122701	0	TRUE	1	FALSE	0.000773944	TRUE
Chr2	113538996	113539187	Chr2:122708	0.00001	TRUE	1	FALSE	0.029489715	TRUE
Chr2	113575979	113576484	Chr2:122746	0.00021	TRUE	1	FALSE	0.007586721	TRUE
Chr2	113595744	113595950	Chr2:122781	0.00005	TRUE	0.014861344	FALSE	0.022849511	TRUE
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Chr2	115185041	115185169	Chr2:125152	0	TRUE	1	FALSE	1.04E-05	TRUE
Chr2	115213577	115213991	Chr2:125196	0	TRUE	1	FALSE	0.005886204	TRUE
Chr2	115230243	115230571	Chr2:125223	0	TRUE	0.000190497	FALSE	0.024310375	TRUE
Chr2	115326083	115327207	Chr2:125330	0	TRUE	1	FALSE	0.021938977	TRUE
Chr2	115483320	115483715	Chr2:125635	0	TRUE	1	FALSE	6.78E-05	TRUE
Chr2	115512972	115513228	Chr2:125719	0.00001	TRUE	1	FALSE	0.001136259	TRUE
Chr2	115905341	115905785	Chr2:126850	0	TRUE	0.159196016	FALSE	0.026246129	TRUE
Chr2	115941994	115942281	Chr2:126777	0	TRUE	1	FALSE	0.002618886	TRUE
Chr2	116058738	116058170	Chr2:127133	0.00002	TRUE	0.03087	FALSE	0.004489692	TRUE
Chr2	116062521	116062677	Chr2:127164	0	TRUE	1	FALSE	0.008196413	TRUE
Chr2	116071149	116071341	Chr2:127213	0	TRUE	1	FALSE	0.002450454	TRUE
Chr2	116819366	116819558	Chr2:128230	0.00004	TRUE	1	FALSE	0.007554505	TRUE
Chr2	117214830	117215221	Chr2:128691	0	TRUE	1	FALSE	0.027528963	TRUE
Chr2	117551070	117551239	Chr2:129488	0.00001	TRUE	1	FALSE	0.010947791	TRUE
Chr2	118039591	118039715	Chr2:129597	0.00061	TRUE	1	FALSE	0.001235091	TRUE
Chr2	118160798	118160998	Chr2:129862	0.00001	TRUE	1	FALSE	0.006246219	TRUE
Chr2	118548508	118548666	Chr2:130391	0	TRUE	1	FALSE	5.53E-05	TRUE
Chr2	118548657	118548840	Chr2:130390	0.00045	TRUE	1	FALSE	0.026339318	TRUE
Chr2	118746906	118747203	Chr2:130739	0	TRUE	1	FALSE	0.020805675	TRUE
Chr2	119222230	119222384	Chr2:131839	0.00002	TRUE	0.066800485	FALSE	0.000228828	TRUE
Chr2	119350985	119351099	Chr2:131973	0.00577	TRUE	1	FALSE	0.000926524	TRUE
Chr2	119408519	119408693	Chr2:132073	0	TRUE	1	FALSE	7.71E-05	TRUE
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Chr2	119800945	119801108	Chr2:132961	0	TRUE	1	FALSE	0.00052332	TRUE
Chr2	119872446	119872601	Chr2:132756	0.00004	TRUE	1	FALSE	0.000734071	TRUE
Chr2	120048613	120048815	Chr2:133314	0.00001	TRUE	0.088753671	FALSE	4.34E-05	TRUE
Chr2	120050345	120050485	Chr2:133336	0	TRUE	1	FALSE	0.004346262	TRUE
Chr2	120059349	120059535	Chr2:133402	0.00012	TRUE	1	FALSE	0.000534634	TRUE
Chr2	120079732	120079985	Chr2:133567	0	TRUE	1	FALSE	0.001236966	TRUE
Chr2	120442494	120442626	Chr2:134192	0.004	TRUE	0.054914653	FALSE	0.033343974	TRUE
Chr2	121450201	121450702	Chr2:136325	0	TRUE	1	FALSE	0.027424017	TRUE
Chr2	122631267	122631683	Chr2:138154	0.00005	TRUE	1	FALSE	0.00856543	TRUE
Chr2	124090573	124090674	Chr2:139104	0.00011	TRUE	1	FALSE	0.017435163	TRUE
Chr2	124160409	124161011	Chr2:139205	0.00002	TRUE	1	FALSE	0.00304483	TRUE
Chr2	124611810	124612050	Chr2:140002	0.00011	TRUE	1	FALSE	5.16E-07	TRUE
Chr2	124971870	124972178	Chr2:140570	0.00001	TRUE	1	FALSE	0.012780876	TRUE
Chr2	125136958	125137108	Chr2:140795	0.00059	TRUE	1	FALSE	0.010825055	TRUE
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Chr2	130633680	130633863	Chr2:147825	0.00023	TRUE	1	FALSE	0.002967542	TRUE
Chr2	133336133	133336319	Chr2:150235	0	TRUE	1	FALSE	0.002062322	TRUE
Chr2	133746976	133750084	Chr2:151029	0.00011	TRUE	1	FALSE	0.013295294	TRUE
Chr2	134497899	134498213	Chr2:151746	0	TRUE	1	FALSE	0.001179016	TRUE
Chr2	134498243	134498671	Chr2:151748	0.00001	TRUE	1	FALSE	0.000577747	TRUE
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Chr2	134872185	134872323	Chr2:152066	0	TRUE	1	FALSE	1.99E-06	TRUE
Chr2	137074075	137074248	Chr2:154313	0	TRUE	1	FALSE	0.000260733	TRUE
Chr2	137111527	137111647	Chr2:154536	0.0003	TRUE	0.001790207	FALSE	0.001375154	TRUE
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Chr2	137786543	137786821	Chr2:155622	0.00001	TRUE	1	FALSE	0.020764832	TRUE
Chr2	139612590	139612886	Chr2:157052	0	TRUE	1	FALSE	0.01192768	TRUE
Chr2	139642361	139642646	Chr2:157107	0	TRUE	1	FALSE	0.014332391	TRUE
Chr2	139884618	139884618	Chr2:157509	0	TRUE	1	FALSE	0.00175966	TRUE
Chr2	140025736	140025944	Chr2:157600	0.0001	TRUE	1	FALSE	0.028602772	TRUE
Chr2	140142005	140142119	Chr2:157725	0.00005	TRUE	1	FALSE	0.016719095	TRUE
Chr2	140395273	140395483	Chr2:157913	0	TRUE	1	FALSE	0.01248426	TRUE
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Chr2	142149516	142149617	Chr2:160226	0.0001	TRUE	1	FALSE	3.61E-05	TRUE
Chr2	142590266	142590384	Chr2:160772	0	TRUE	1	FALSE	9.51E-05	TRUE
Chr2	144270505	144270703	Chr2:162241	0.00461	TRUE	1	FALSE	0.026713258	TRUE
Chr2	145222505	145222770	Chr2:163311	0	TRUE	1	FALSE	0.006595	TRUE
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Chr2	146245426	146245567	Chr2:163936	0.00026	TRUE	1	FALSE	0.000361023	TRUE
Chr2	147184837	147184979	Chr2:165229	0.00003	TRUE	1	FALSE	0.000151322	TRUE
Chr2	151768628	151767050	Chr2:167862	0.0001	TRUE	1	FALSE	0.001749374	TRUE
Chr2	152114644	152114847	Chr2:168035	0.00109	TRUE	1	FALSE	8.96E-08	TRUE
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Chr2	153237298	153237803	Chr2:169470	0.00016	TRUE	1	FALSE	0.002107041	TRUE
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Chr2	155862532	155862647	Chr2:172810	0	TRUE	1	FALSE	4.89E-07	TRUE
Chr2	155943368	155943382	Chr2:172936	0.00586	TRUE	1	FALSE	0.000812654	TRUE
Chr2	156566654	156566887	Chr2:174380	0	TRUE	1	FALSE	0.000364811	TRUE
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Chr2	157461880	157461981	Chr2:175184	0	TRUE	1	FALSE	0.00176E-06	TRUE
Chr2	157705518	157705744	Chr2:175413	0.01277	TRUE	1	FALSE	0.025862779	TRUE
Chr2	157768610	157767056	Chr2:175481	0	TRUE	1	FALSE	0.000614674	TRUE
Chr2	157788721	157788924							

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Chr3	30163654	30163798	Chr3.18353	0	TRUE	0.041332619	FALSE	0.000155571	TRUE
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Chr3	37805428	37805729	Chr3.25672	0	TRUE	1	FALSE	0.000802207	TRUE
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Chr3	40050441	40050774	Chr3.27643	0	TRUE	1	FALSE	0.000337945	TRUE
Chr3	41581013	41581384	Chr3.29096	0.00001	TRUE	0.113358996	FALSE	0.006070136	TRUE
Chr3	41602930	41603213	Chr3.29156	0	TRUE	1	FALSE	0.004927612	TRUE
Chr3	45754420	45754641	Chr3.31367	0.00005	TRUE	1	FALSE	0.010852634	TRUE
Chr3	50678895	50679019	Chr3.33866	0.00037	TRUE	1	FALSE	0.014428055	TRUE
Chr3	51061951	51062176	Chr3.34375	0	TRUE	1	FALSE	0.000145712	TRUE
Chr3	51109039	51109241	Chr3.34476	0.00008	TRUE	1	FALSE	0.006958251	TRUE
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Chr3	51808062	51808320	Chr3.35229	0.00001	TRUE	1	FALSE	0.006900217	TRUE
Chr3	51810006	51811025	Chr3.35234	0	TRUE	1	FALSE	0.000252481	TRUE
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Chr3	52184704	52184834	Chr3.35812	0.00057	TRUE	1	FALSE	0.015764789	TRUE
Chr3	53045165	53045382	Chr3.36737	0.00024	TRUE	1	FALSE	0.016917427	TRUE
Chr3	53390539	53390868	Chr3.37387	0.00141	TRUE	1	FALSE	0.017825433	TRUE
Chr3	55467779	55468122	Chr3.38823	0.00009	TRUE	1	FALSE	0.030677615	TRUE
Chr3	55569612	55570068	Chr3.39098	0	TRUE	1	FALSE	0.002118678	TRUE
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Chr3	55717450	55717625	Chr3.39310	0.00008	TRUE	1	FALSE	0.015040567	TRUE
Chr3	55788740	55788905	Chr3.39470	0.00411	TRUE	1	FALSE	0.025278975	TRUE
Chr3	55828420	55828695	Chr3.39511	0	TRUE	1	FALSE	0.000609399	TRUE
Chr3	55888209	55888334	Chr3.39567	0.00148	TRUE	1	FALSE	0.026709638	TRUE
Chr3	56471590	56471788	Chr3.39957	0	FALSE	0.000240552	FALSE	0.000240552	TRUE
Chr3	56810006	56810201	Chr3.40191	0.00001	TRUE	1	FALSE	0.000900689	TRUE
Chr3	58204054	58204215	Chr3.40992	0	TRUE	1	FALSE	0.002640073	TRUE
Chr3	59360252	59360355	Chr3.42514	0.00001	FALSE	0.000317114	FALSE	0.000317114	TRUE
Chr3	60531201	60531594	Chr3.43190	0	TRUE	1	FALSE	0.000515205	TRUE
Chr3	65537448	65537678	Chr3.46325	0	TRUE	0.259710941	FALSE	0.000360802	TRUE
Chr3	65627373	65627594	Chr3.46464	0	TRUE	0.149908336	FALSE	0.016260316	TRUE
Chr3	66154523	66154540	Chr3.47076	0.00011	TRUE	1	FALSE	0.004343444	TRUE
Chr3	66573326	66573726	Chr3.47379	0.00004	TRUE	1	FALSE	0.005308351	TRUE
Chr3	68513625	68513949	Chr3.49488	0.00035	TRUE	1	FALSE	0.021467388	TRUE
Chr3	68572145	68572377	Chr3.49620	0.00017	FALSE	0.000381995	FALSE	0.000381995	TRUE
Chr3	73056672	73056793	Chr3.51864	0.00079	TRUE	1	FALSE	0.017132377	TRUE
Chr3	73056745	73057573	Chr3.51874	0.00044	TRUE	1	FALSE	0.00116167	TRUE
Chr3	81206053	81206187	Chr3.55443	0	FALSE	0.001061039	FALSE	0.001061039	TRUE
Chr3	81377940	81378076	Chr3.55571	0	TRUE	1	FALSE	5.21E-05	TRUE
Chr3	84235594	84235734	Chr3.58169	0.00007	TRUE	1	FALSE	0.002597729	TRUE
Chr3	86447064	86447384	Chr3.60718	0.00001	TRUE	1	FALSE	0.013515264	TRUE
Chr3	86530172	86530294	Chr3.60802	0.00053	FALSE	0.00053	FALSE	0.020129219	TRUE
Chr3	86539640	86539748	Chr3.60804	0	TRUE	1	FALSE	0.000394911	TRUE
Chr3	86542992	86543288	Chr3.60824	0.00001	TRUE	1	FALSE	0.000754545	TRUE
Chr3	86699193	86699444	Chr3.61032	0	FALSE	0.011086953	FALSE	0.011086953	TRUE
Chr3	86706888	86707055	Chr3.61047	0.00005	TRUE	1	FALSE	0.003879106	TRUE
Chr3	86754348	86754683	Chr3.61151	0	TRUE	1	FALSE	0.000197703	TRUE
Chr3	86897256	86897354	Chr3.61388	0	FALSE	3.48E-06	FALSE	3.48E-06	TRUE
Chr3	87165148	87165302	Chr3.61592	0.00078	TRUE	1	FALSE	0.013677901	TRUE
Chr3	87509248	87509395	Chr3.61769	0.00022	TRUE	1	FALSE	0.005317335	TRUE
Chr3	87857945	87857977	Chr3.62640	0	TRUE	1	FALSE	0.000373966	TRUE
Chr3	88075333	88075432	Chr3.63190	0.00027	FALSE	0.000132264	FALSE	0.000132264	TRUE
Chr3	88081938	88082036	Chr3.63199	0.001	TRUE	1	FALSE	0.006369344	TRUE
Chr3	88146084	88146239	Chr3.63456	0.00021	TRUE	1	FALSE	0.018745976	TRUE
Chr3	88150498	88150729	Chr3.63473	0.00003	TRUE	0.081195152	FALSE	0.017785477	TRUE
Chr3	88510155	88510278	Chr3.64316	0.00021	TRUE	1	FALSE	0.011129916	TRUE
Chr3	88527700	88527876	Chr3.64337	0.00729	TRUE	1	FALSE	0.021262353	TRUE
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Chr3	88539540	88539667	Chr3.64427	0.00101	TRUE	0.054399655	FALSE	0.013264232	TRUE
Chr3	88616553	88616680	Chr3.64612	0.00051	TRUE	1	FALSE	0.021624922	TRUE
Chr3	89320613	89320962	Chr3.66334	0	TRUE	1	FALSE	3.37E-06	TRUE
Chr3	89340607	89340787	Chr3.66421	0.00011	TRUE	1	FALSE	0.000201448	TRUE
Chr3	89384118	89384506	Chr3.66697	0.00054	TRUE	1	FALSE	0.01172398	TRUE
Chr3	89390008	89390447	Chr3.66737	0	TRUE	1	FALSE	1.50E-05	TRUE
Chr3	90213603	90213731	Chr3.68268	0.00023	TRUE	1	FALSE	0.000951309	TRUE
Chr3	90293771	90293942	Chr3.68607	0.00307	TRUE	1	FALSE	0.026798692	TRUE
Chr3	90413210	90413382	Chr3.68880	0.00053	TRUE	1	FALSE	0.008954935	TRUE
Chr3	95108424	95108611	Chr3.71457	0.00032	FALSE	0.00032	FALSE	0.000373994	TRUE
Chr3	95217582	95217807	Chr3.71763	0	TRUE	1	FALSE	1.00E-05	TRUE
Chr3	95282961	95283178	Chr3.71934	0.00051	TRUE	1	FALSE	0.027654881	TRUE
Chr3	95318599	95318745	Chr3.72041	0.00002	TRUE	1	FALSE	0.005789482	TRUE
Chr3	95620416	95620560	Chr3.72511	0.00008	TRUE	1	FALSE	0.010533761	TRUE
Chr3	95663031	95663251	Chr3.72514	0.00001	TRUE	1	FALSE	0.003874616	TRUE
Chr3	95905241	95905399	Chr3.73117	0.00025	TRUE	1	FALSE	0.006060269	TRUE
Chr3	96019862	96020125	Chr3.73247	0	FALSE	0.001904842	FALSE	0.001904842	TRUE
Chr3	96050511	96050674	Chr3.73907	0	TRUE	1	FALSE	2.12E-06	TRUE
Chr3	96578807	96577017	Chr3.73942	0.00021	TRUE	1	FALSE	0.004343889	TRUE
Chr3	97277160	97277352	Chr3.75094	0.00018	FALSE	0.00018	FALSE	0.012371494	TRUE
Chr3	98020983	98020796	Chr3.75873	0.00089	TRUE	1	FALSE	0.006822623	TRUE
Chr3	98042845	98043041	Chr3.75928	0.00001	TRUE	1	FALSE	0.003437184	TRUE
Chr3	99263538	99263770	Chr3.77384	0	TRUE	1	FALSE	0.000212766	TRUE
Chr3	99574161	99574346	Chr3.77739	0	TRUE	1	FALSE	1.93E-06	TRUE
Chr3	99965942	99966244	Chr3.78171	0.00022	TRUE	1	FALSE	0.020573187	TRUE
Chr3	101162954	101163101	Chr3.79574	0	TRUE	1	FALSE	0.002367096	TRUE
Chr3	101602621	101602879	Chr3.80138	0	FALSE	0.004019098	FALSE	0.004019098	TRUE
Chr3	102471986	102472096	Chr3.80942	0	TRUE	1	FALSE	0.000465946	TRUE
Chr3	102490403	102490516	Chr3.80978	0.00001	TRUE	1	FALSE	0.000503407	TRUE
Chr3	102890327	102890523	Chr3.81478	0.00002	FALSE	0.00002	FALSE	0.022031757	TRUE
Chr3	103130281	103130574	Chr3.81701	0.00066	TRUE	1	FALSE	0.022138539	TRUE
Chr3	104794602	104794724	Chr3.83661	0.00573	TRUE	1	FALSE	0.023932556	TRUE
Chr3	104836322	104836370	Chr3.83811	0.00034	TRUE	1	FALSE	0.015204752	TRUE
Chr3	104941142	104941267	Chr3.83940	0	TRUE	1	FALSE	1.61E-05	TRUE
Chr3	104962480	104962596	Chr3.84007	0.00598	TRUE	1	FALSE	0.021615192	TRUE
Chr3	105051795	105051934	Chr3.84141	0.00007	TRUE	1	FALSE	0.000618203	TRUE
Chr3	105590315	105590422	Chr3.84819	0.00011	FALSE	0.011289736	FALSE	0.011289736	TRUE
Chr3	105710302	105710620	Chr3.85035	0.00118	TRUE	1	FALSE	0.007846061	TRUE
Chr3	107593693	107594013	Chr3.87114	0	TRUE	1	FALSE	8.35E-06	TRUE
Chr3	107596526	107596724	Chr3.87119	0.00022	FALSE	0.00022	FALSE	0.010458611	TRUE
Chr3	107695377	107695562	Chr3.87350	0	FALSE	0.001094598	FALSE	0.001094598	TRUE
Chr3	108081774	108081937	Chr3.87842	0	TRUE	1	FALSE	8.33E-05	TRUE
Chr3	108085425	108085532	Chr3.87852	0.00023	TRUE	1	FALSE	0.005335204	TRUE
Chr3	108140746	108140949	Chr3.87957	0.00001	TRUE	1	FALSE	0.000761564	TRUE
Chr3	108283904	108284073	Chr3.88342	0.00557	TRUE	1	FALSE	0.014557692	TRUE
Chr3	108287666	108287900	Chr3.88347	0	TRUE	1	FALSE	0.004538588	TRUE
Chr3	108911649	108911748	Chr3.89689	0.00021	FALSE	0.00021	FALSE	0.008453206	TRUE
Chr3	109584464	109584755	Chr3.90217	0.00014	TRUE	1	FALSE	0.017769127	TRUE
Chr3	109783219	109783320	Chr3.90564	0.00311	TRUE	1	FALSE	0.027433522	TRUE
Chr3	113999328	113999519	Chr3.93030	0.00002	FALSE	0.001983248	FALSE	0.001983248	TRUE
Chr3	114031733	114031949	Chr3.93070	0	TRUE	1	FALSE	0.001242862	TRUE
Chr3	117994549	117994725							

Chr3	138064064	138064253	Chr3.114582	0.00232	TRUE	1	FALSE	0.027045647	TRUE
Chr3	141467496	141467639	Chr3.117415	0.00001	TRUE	1	FALSE	0.00099139	TRUE
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Chr3	141575276	141575582	Chr3.117628	0	TRUE	1	FALSE	0.004557839	TRUE
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Chr3	141892529	141895453	Chr3.118299	0	TRUE	1	FALSE	0.00047152	TRUE
Chr3	143092036	143092311	Chr3.119829	0	TRUE	1	FALSE	2.52E-05	TRUE
Chr3	143579486	143579695	Chr3.120723	0	TRUE	0.020523536	FALSE	0.000211997	TRUE
Chr3	143633046	143631283	Chr3.120807	0.00008	TRUE	1	FALSE	0.023898964	TRUE
Chr3	143722244	143722206	Chr3.121037	0	TRUE	1	FALSE	0.00593687	TRUE
Chr3	143743720	143743918	Chr3.121098	0.00001	TRUE	1	FALSE	0.002160178	TRUE
Chr3	143926135	143952506	Chr3.121503	0	TRUE	1	FALSE	0.000182057	TRUE
Chr3	144010817	144010771	Chr3.121636	0.00006	TRUE	1	FALSE	0.030077702	TRUE
Chr3	144010861	144011128	Chr3.121639	0.00001	TRUE	1	FALSE	0.008617614	TRUE
Chr3	144107098	144107933	Chr3.121856	0.00005	TRUE	1	FALSE	0.006653077	TRUE
Chr3	144377744	144377940	Chr3.122467	0	TRUE	1	FALSE	0.002047086	TRUE
Chr3	144378923	144379027	Chr3.122473	0.00055	TRUE	1	FALSE	0.01732879	TRUE
Chr3	144380909	144381036	Chr3.122483	0.00109	TRUE	1	FALSE	0.014433377	TRUE
Chr3	145217050	145217221	Chr3.123594	0	TRUE	1	FALSE	0.000212495	TRUE
Chr3	145692020	145692086	Chr3.124246	0.00016	TRUE	1	FALSE	0.002026188	TRUE
Chr3	146682301	146682596	Chr3.125528	0	TRUE	1	FALSE	8.92E-05	TRUE
Chr3	147028761	147028294	Chr3.125951	0.00003	TRUE	1	FALSE	0.000448504	TRUE
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Chr3	148559871	148560137	Chr3.128400	0	TRUE	0.17204333	FALSE	0.0232533	TRUE
Chr3	148990382	148990460	Chr3.129313	0	TRUE	1	FALSE	7.47E-05	TRUE
Chr3	149190599	149191382	Chr3.129801	0	TRUE	0.280848933	FALSE	0.000952694	TRUE
Chr3	149266277	149266404	Chr3.129954	0.00038	TRUE	1	FALSE	0.015457478	TRUE
Chr3	149292598	149292927	Chr3.130039	0	TRUE	1	FALSE	0.004447256	TRUE
Chr3	149295445	149295627	Chr3.130055	0.00012	TRUE	1	FALSE	0.003907392	TRUE
Chr3	149331367	149331698	Chr3.130119	0	TRUE	1	FALSE	7.09E-05	TRUE
Chr3	149454028	149454189	Chr3.130489	0.00013	FALSE	1	FALSE	0.005465007	TRUE
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Chr3	150080381	150080653	Chr3.131770	0	TRUE	1	FALSE	0.004094047	TRUE
Chr3	152080312	152080814	Chr3.133881	0	FALSE	1	FALSE	6.18E-05	TRUE
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Chr3	153277309	153277576	Chr3.134406	0	TRUE	1	FALSE	0.003158101	TRUE
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Chr3	153493675	153493788	Chr3.134760	0.00002	TRUE	0.100602	FALSE	0.018833715	TRUE
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Chr3	154530730	154530948	Chr3.135901	0	TRUE	0.024989935	FALSE	0.005781246	TRUE
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Chr3	156305210	156305378	Chr3.137628	0	TRUE	1	FALSE	0.013403619	TRUE
Chr3	157155211	157155383	Chr3.138550	0.00001	TRUE	1	FALSE	0.001759485	TRUE
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Chr4	6514790	6514930	Chr4.1421	0.00127	TRUE	1	FALSE	0.018665768	TRUE
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Chr4	6792980	6793024	Chr4.1713	0.00005	TRUE	1	FALSE	0.020601853	TRUE
Chr4	7634213	7634341	Chr4.2088	0.00001	FALSE	1	FALSE	0.013828959	TRUE
Chr4	8750817	8751240	Chr4.3314	0	TRUE	1	FALSE	0.00095306	TRUE
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Chr4	10707115	10707436	Chr4.5273	0	TRUE	1	FALSE	0.001195321	TRUE
Chr4	10787057	10787209	Chr4.5308	0.00001	FALSE	1	FALSE	0.001444426	TRUE
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Chr4	12511921	12512353	Chr4.6889	0.00001	TRUE	1	FALSE	0.010271837	TRUE
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Chr4	12792367	12792501	Chr4.7281	0.00005	TRUE	1	FALSE	0.003064148	TRUE
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Chr4	13588055	13588252	Chr4.8825	0.00001	FALSE	1	FALSE	0.001375922	TRUE
Chr4	17854545	17854669	Chr4.10696	0.00009	TRUE	1	FALSE	0.014468926	TRUE
Chr4	22498781	22499004	Chr4.13507	0	TRUE	1	FALSE	0.018162462	TRUE
Chr4	22999979	22999931	Chr4.14054	0.00002	FALSE	1	FALSE	0.00104935	TRUE
Chr4	23176130	23176288	Chr4.14214	0.00004	TRUE	1	FALSE	0.002810697	TRUE
Chr4	23513925	23514364	Chr4.14460	0.00002	TRUE	1	FALSE	0.001717272	TRUE
Chr4	24609305	24609424	Chr4.15578	0.00014	FALSE	1	FALSE	0.009639008	TRUE
Chr4	24650963	24650984	Chr4.15737	0.00003	TRUE	1	FALSE	0.0105028	TRUE
Chr4	29118715	29119174	Chr4.17985	0	TRUE	1	FALSE	0.000261428	TRUE
Chr4	29119812	29120114	Chr4.17973	0	TRUE	1	FALSE	0.016181195	TRUE
Chr4	29282348	29282487	Chr4.18129	0.00001	FALSE	1	FALSE	0.000503251	TRUE
Chr4	29282562	29282776	Chr4.18131	0	TRUE	1	FALSE	0.000262174	TRUE
Chr4	30790467	30790763	Chr4.19252	0.00001	TRUE	1	FALSE	0.001926227	TRUE
Chr4	31611514	31611791	Chr4.20123	0.00001	FALSE	1	FALSE	0.026705316	TRUE
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Chr4	32238591	32238707	Chr4.21111	0	TRUE	1	FALSE	1.14E-12	TRUE
Chr4	32288337	32288635	Chr4.21199	0.00001	FALSE	1	FALSE	0.00592625	TRUE
Chr4	32293390	32294031	Chr4.21216	0	TRUE	1	FALSE	0.001789591	TRUE
Chr4	32363728	32363938	Chr4.21364	0	TRUE	1	FALSE	0.000285829	TRUE
Chr4	32430679	32430912	Chr4.21516	0.00001	TRUE	1	FALSE	0.001639544	TRUE
Chr4	32483055	32483294	Chr4.21589	0	TRUE	0.20705511	FALSE	0.002999991	TRUE
Chr4	32486721	32487041	Chr4.21584	0.00021	TRUE	1	FALSE	0.005500837	TRUE
Chr4	32508771	32508952	Chr4.21595	0	TRUE	1	FALSE	0.002371984	TRUE
Chr4	34551625	34551804	Chr4.24054	0	TRUE	1	FALSE	5.07E-05	TRUE
Chr4	41174611	41174756	Chr4.27959	0.00016	TRUE	1	FALSE	0.009122043	TRUE
Chr4	41316444	41316580	Chr4.28139	0.00045	TRUE	1	FALSE	0.024941835	TRUE
Chr4	41470682	41471059	Chr4.28307	0	TRUE	1	FALSE	9.73E-06	TRUE
Chr4	41542000	41542542	Chr4.28408	0	TRUE	1	FALSE	1.73E-06	TRUE
Chr4	41665517	41665646	Chr4.28747	0.00398	TRUE	1	FALSE	0.020077812	TRUE
Chr4	41762769	41763017	Chr4.29031	0.00069	TRUE	1	FALSE	0.009057691	TRUE
Chr4	43032501	43032788	Chr4.29559	0.00162	FALSE	1	FALSE	0.013597827	TRUE
Chr4	43041020	43041149	Chr4.29608	0.00354	TRUE	1	FALSE	0.015909268	TRUE
Chr4	43209156	43209467	Chr4.29851	0	TRUE	1	FALSE	0.000115723	TRUE
Chr4	43249623	43249754	Chr4.29879	0.00005	FALSE	1	FALSE	0.001722165	TRUE
Chr4	43492779	43492917	Chr4.30394	0	TRUE	1	FALSE	0.000228645	TRUE
Chr4	43560450	43560622	Chr4.30770	0.00011	FALSE	1	FALSE	0.003364578	TRUE
Chr4	45491088	45491412	Chr4.33432	0.00005	TRUE	1	FALSE	0.013897833	TRUE
Chr4	46663129	46663322	Chr4.34805	0.00001	FALSE	1	FALSE	0.014981303	TRUE
Chr4	47178690	47178853	Chr4.35352	0.00018	TRUE	1	FALSE	0.001230362	TRUE
Chr4	48047131	48047464	Chr4.36300	0	TRUE	1	FALSE	0.000389663	TRUE
Chr4	49265819	49266010	Chr4.37419	0.00021	FALSE	0.356191953	FALSE	0.000464881	TRUE
Chr4	49806671	49806863	Chr4.38078	0	TRUE	1	FALSE	0.002180405	TRUE
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Chr4	54480531	54480800	Chr4.41117	0	TRUE	1	FALSE	0.009595117	TRUE
Chr4	54533914	54534301	Chr4.41173	0	TRUE	1	FALSE	2.49E-05	TRUE
Chr4	54812368	54813123	Chr4.41212	0	TRUE	1	FALSE	0.001459616	TRUE
Chr4	54813299	54813479	Chr4.41217	0.00054	TRUE	1	FALSE	0.028163386	TRUE
Chr4	56088621	56089202	Chr4.43010	0	TRUE	1	FALSE	0.000116762	TRUE
Chr4	56120345	56120683	Chr4.43050	0.00001	TRUE	1	FALSE	0.008609111	TRUE
Chr4	58670566	58671098	Chr4.45905	0	FALSE	1	FALSE	5.52E-05	TRUE
Chr4	58943559	58943661	Chr4.46167	0.00015	TRUE	1	FALSE	0.028136114	TRUE
Chr4	59240031	59240161	Chr4.46448	0.00012	TRUE	0.449188276	FALSE	0.026474597	TRUE
Chr4	59829196	59829451	Chr4.46746	0.00002	TRUE	1	FALSE	0.014389971	TRUE
Chr4	62659278	62659636	Chr4.47710	0	TRUE	1	FALSE	0.029347249	TRUE
Chr4	63221631	63221796	Chr4.48387	0.00049	TRUE	1	FALSE	0.024743894	TRUE
Chr4	63963155	63963430							

Chv4	84637956	84638180	Chv4.67795	0.00003	TRUE	0.947613775	FALSE	0.024683888	TRUE
Chv4	84644643	84644754	Chv4.67817	0.00233	TRUE	1	FALSE	0.024275757	TRUE
Chv4	84798658	84798760	Chv4.68063	0.00007	TRUE	1	FALSE	0.015115315	TRUE
Chv4	85976312	85976421	Chv4.69188	0.00009	TRUE	1	FALSE	0.006834292	TRUE
Chv4	86054589	86054734	Chv4.69350	0.00002	TRUE	0.101941369	FALSE	0.028103702	TRUE
Chv4	86571126	86571284	Chv4.70240	0.00003	TRUE	1	FALSE	0.019131761	TRUE
Chv4	87041380	87041670	Chv4.70690	0	TRUE	1	FALSE	0.001233731	TRUE
Chv4	87386422	87386653	Chv4.71007	0.00016	TRUE	1	FALSE	0.000350189	TRUE
Chv4	87785496	87785991	Chv4.71496	0	TRUE	0.659720438	FALSE	0.025592171	TRUE
Chv4	87930992	87931332	Chv4.71725	0	TRUE	1	FALSE	1.93E-06	TRUE
Chv4	87983794	87984141	Chv4.71814	0	TRUE	1	FALSE	0.00675012	TRUE
Chv4	88033000	88033706	Chv4.71924	0.00011	TRUE	1	FALSE	0.011996555	TRUE
Chv4	88030907	88034019	Chv4.72432	0.00001	TRUE	1	FALSE	0.000303992	TRUE
Chv4	89644335	89644554	Chv4.73050	0.00054	TRUE	1	FALSE	0.024100369	TRUE
Chv4	89650522	89650556	Chv4.73071	0.00045	TRUE	1	FALSE	0.025990123	TRUE
Chv4	89650764	89651038	Chv4.73075	0.00004	TRUE	1	FALSE	0.010807603	TRUE
Chv4	91375135	91375240	Chv4.74397	0	TRUE	1	FALSE	0.00042049	TRUE
Chv4	91375676	91376065	Chv4.74401	0	TRUE	1	FALSE	0.000421725	TRUE
Chv4	91376343	91376974	Chv4.74403	0	FALSE	1	FALSE	1.58E-07	TRUE
Chv4	91399790	91400213	Chv4.74487	0	TRUE	1	FALSE	1.74E-08	TRUE
Chv4	95743024	95743282	Chv4.78077	0.00005	TRUE	1	FALSE	0.009075215	TRUE
Chv4	97637092	97637311	Chv4.78617	0.00001	TRUE	1	FALSE	0.004441256	TRUE
Chv4	97779233	97779623	Chv4.78877	0.00001	TRUE	1	FALSE	0.002464298	TRUE
Chv4	97823295	97823487	Chv4.80050	0.00001	TRUE	1	FALSE	0.004205118	TRUE
Chv4	97825905	97826044	Chv4.80065	0.00001	TRUE	0.088672701	FALSE	0.018129354	TRUE
Chv4	97920667	97921049	Chv4.80320	0	TRUE	0.029494301	FALSE	8.17E-07	TRUE
Chv4	98003798	98003929	Chv4.80567	0.00014	TRUE	1	FALSE	0.014071738	TRUE
Chv4	98009022	98009267	Chv4.80591	0.00018	TRUE	0.440809348	FALSE	0.016659941	TRUE
Chv4	98094308	98094708	Chv4.80764	0.00006	TRUE	1	FALSE	0.003252332	TRUE
Chv4	98322149	98322732	Chv4.80979	0	TRUE	1	FALSE	8.63E-06	TRUE
Chv4	99273303	99273268	Chv4.81966	0.00001	TRUE	1	FALSE	0.002820059	TRUE
Chv4	99573278	99573435	Chv4.82500	0.00001	TRUE	1	FALSE	0.004882603	TRUE
Chv4	99630182	99630554	Chv4.82643	0	TRUE	1	FALSE	0.02911444	TRUE
Chv4	10003690	10003632	Chv4.83065	0	TRUE	1	FALSE	3.72E-05	TRUE
Chv4	100154701	100155045	Chv4.83200	0	TRUE	0.31316427	FALSE	0.002514665	TRUE
Chv4	100156163	100156468	Chv4.83206	0	TRUE	1	FALSE	5.14E-08	TRUE
Chv4	10022267	10022218	Chv4.83328	0	TRUE	0.000935949	FALSE	0.008738034	TRUE
Chv4	100394145	10039462	Chv4.83582	0	TRUE	1	FALSE	0.022961386	TRUE
Chv4	100864919	100864143	Chv4.84027	0.00001	FALSE	0.30701163	FALSE	0.018500247	TRUE
Chv4	100866469	10086623	Chv4.84064	0	TRUE	0.009285514	FALSE	0.003170225	TRUE
Chv4	100967662	100967835	Chv4.84181	0.00001	TRUE	0.036275043	FALSE	0.000824467	TRUE
Chv4	102257763	102257886	Chv4.85171	0	TRUE	0.260914088	FALSE	0.000641724	TRUE
Chv4	102574200	102574862	Chv4.85581	0	TRUE	0.725569975	FALSE	0.00159812	TRUE
Chv4	104719160	104719294	Chv4.86883	0.00001	TRUE	0.58469107	FALSE	0.002879674	TRUE
Chv4	104889020	104889226	Chv4.88452	0.00001	TRUE	0.024730966	FALSE	0.026645623	TRUE
Chv4	105352296	105352505	Chv4.89010	0	TRUE	0.013518427	FALSE	0.00167051	TRUE
Chv4	105704599	105704159	Chv4.89346	0.00078	TRUE	1	FALSE	0.011915242	TRUE
Chv4	106302040	106302040	Chv4.89837	0	TRUE	1	FALSE	0.000339782	TRUE
Chv4	106365608	106367107	Chv4.90724	0	TRUE	0.003076091	FALSE	0.018219136	TRUE
Chv4	106656983	106656268	Chv4.90765	0.00011	TRUE	1	FALSE	0.024045264	TRUE
Chv4	107097492	107097641	Chv4.91076	0	TRUE	0.007157365	FALSE	0.002389595	TRUE
Chv4	107112930	107113126	Chv4.91142	0.00002	TRUE	1	FALSE	0.005342552	TRUE
Chv4	107440604	107440242	Chv4.91596	0	TRUE	0.006717014	FALSE	0.002494916	TRUE
Chv4	107443265	107443442	Chv4.91612	0.00059	TRUE	1	FALSE	0.030452694	TRUE
Chv4	108359769	108359919	Chv4.92646	0.00003	TRUE	1	FALSE	0.00212818	TRUE
Chv4	109156393	109156581	Chv4.93455	0	TRUE	1	FALSE	0.001673649	TRUE
Chv4	10295905	10296318	Chv4.94028	0	TRUE	0.104669782	FALSE	0.025708834	TRUE
Chv4	110286443	110286843	Chv4.94832	0.00001	TRUE	1	FALSE	0.021488155	TRUE
Chv4	111350071	111350342	Chv4.95649	0	FALSE	0.002244963	FALSE	0.00240463	TRUE
Chv4	114562720	114562961	Chv4.96434	0	TRUE	0.29747709	FALSE	0.000140763	TRUE
Chv4	114688022	114688250	Chv4.96620	0.00016	TRUE	1	FALSE	0.023962508	TRUE
Chv4	114818985	114819527	Chv4.96767	0	TRUE	1	FALSE	0.001281773	TRUE
Chv4	115864658	115864900	Chv4.97965	0	TRUE	1	FALSE	5.44E-08	TRUE
Chv4	117281425	117281586	Chv4.100209	0	TRUE	0.11241172	FALSE	0.000148839	TRUE
Chv4	117283541	117283896	Chv4.100217	0	TRUE	0.001350219	FALSE	0.000393967	TRUE
Chv4	117299863	117300072	Chv4.100263	0	TRUE	1	FALSE	6.55E-08	TRUE
Chv4	117409399	117409620	Chv4.100404	0.00001	TRUE	1	FALSE	0.000120973	TRUE
Chv4	117427122	117427350	Chv4.100438	0.00022	TRUE	1	FALSE	0.012048555	TRUE
Chv4	117595315	117595663	Chv4.100749	0	TRUE	0.001583095	FALSE	1.88E-06	TRUE
Chv4	117601308	117601738	Chv4.100761	0.00011	TRUE	1	FALSE	0.006977568	TRUE
Chv4	117613391	117613752	Chv4.100798	0	TRUE	0.090242362	FALSE	1.07E-05	TRUE
Chv4	117646658	117646807	Chv4.100843	0	TRUE	1	FALSE	0.000643351	TRUE
Chv4	117649419	117649638	Chv4.101044	0.00148	TRUE	1	FALSE	0.018422876	TRUE
Chv4	118256492	118256603	Chv4.101884	0	TRUE	1	FALSE	4.63E-05	TRUE
Chv4	118262508	118262724	Chv4.101905	0	TRUE	1	FALSE	2.47E-07	TRUE
Chv4	120143091	120143186	Chv4.104366	0.00001	FALSE	0.0001	FALSE	0.006995503	TRUE
Chv4	120249038	120249258	Chv4.104492	0.00001	TRUE	1	FALSE	0.005718816	TRUE
Chv4	120267860	120267268	Chv4.104526	0	TRUE	1	FALSE	1.41E-06	TRUE
Chv4	120814384	120814580	Chv4.105148	0.00011	FALSE	0.0001	FALSE	0.007693396	TRUE
Chv4	122858507	122858940	Chv4.105711	0.00444	TRUE	1	FALSE	0.013353474	TRUE
Chv4	123000743	123001098	Chv4.105880	0.00028	TRUE	1	FALSE	0.015407428	TRUE
Chv4	123056029	123051320	Chv4.105967	0	TRUE	1	FALSE	0.001270983	TRUE
Chv4	123413524	123414208	Chv4.106601	0	TRUE	1	FALSE	0.001383933	TRUE
Chv4	123423001	123423124	Chv4.106618	0.00016	TRUE	1	FALSE	0.005129816	TRUE
Chv4	123572612	123572733	Chv4.107051	0.00037	TRUE	1	FALSE	0.021146578	TRUE
Chv4	123572933	123573177	Chv4.107052	0.00001	FALSE	0.0001	FALSE	0.000914865	TRUE
Chv4	123623688	123624046	Chv4.107125	0.00003	TRUE	1	FALSE	0.001961745	TRUE
Chv4	123624123	123624333	Chv4.107130	0.00026	TRUE	1	FALSE	0.020763352	TRUE
Chv4	123663432	123663651	Chv4.107181	0	TRUE	0.06874221	FALSE	0.018271729	TRUE
Chv4	123667354	123667566	Chv4.107198	0	TRUE	1	FALSE	0.001699922	TRUE
Chv4	123670679	123670876	Chv4.107205	0.00001	TRUE	1	FALSE	0.000329855	TRUE
Chv4	124196819	124196999	Chv4.107677	0.00001	TRUE	1	FALSE	0.000596135	TRUE
Chv4	124667692	124669017	Chv4.108165	0.00016	TRUE	1	FALSE	0.023633983	TRUE
Chv4	125057152	125057295	Chv4.109015	0.00001	TRUE	1	FALSE	0.001686055	TRUE
Chv4	126103165	126103398	Chv4.110387	0.00004	TRUE	1	FALSE	0.016652676	TRUE
Chv4	126104805	126104991	Chv4.110394	0	FALSE	0	FALSE	1.98E-05	TRUE
Chv4	126257137	126257341	Chv4.110709	0.00426	TRUE	1	FALSE	0.021291272	TRUE
Chv4	126468384	126468529	Chv4.111164	0.01087	TRUE	1	FALSE	0.02580887	TRUE
Chv4	126744292	126744511	Chv4.111526	0.04004	FALSE	0.408225903	FALSE	0.007043303	TRUE
Chv4	126781758	126782096	Chv4.111657	0.00043	TRUE	1	FALSE	0.017023294	TRUE
Chv4	126967042	126967167	Chv4.111885	0	TRUE	0.212601424	FALSE	0.003808835	TRUE
Chv4	128175728	128175276	Chv4.113627	0	TRUE	1	FALSE	0.000123561	TRUE
Chv4	128694945	128695717	Chv4.113945	0.00001	TRUE	1	FALSE	0.021006998	TRUE
Chv4	129147733	129148187	Chv4.114328	0	TRUE	1	FALSE	0.004257767	TRUE
Chv4	129516483	129516852	Chv4.114908	0	TRUE	1	FALSE	1.67E-05	TRUE
Chv4	129542724	129542924	Chv4.114946	0.00104	FALSE	1	FALSE	0.014249686	TRUE
Chv4	129647679	129647892	Chv4.115225	0.00012	TRUE	1	FALSE	0.017627515	TRUE
Chv4	129828278	129823045	Chv4.115407	0.00007	TRUE	1	FALSE	0.003200628	TRUE
Chv4	131848151	131848316	Chv4.117285	0.00069	FALSE	0.0001	FALSE	0.011280011	TRUE
Chv4	131885601	131885601	Chv4.117362	0	TRUE	1	FALSE	2.63E-08	TRUE
Chv4	131937265	131937499	Chv4.117488	0.00001	TRUE	1	FALSE	0.000767077	TRUE
Chv4	132025988	132026071	Chv4.117678	0.00008	TRUE	1	FALSE	0.020590908	TRUE
Chv4	132043481	132043627	Chv4.117708	0.00001	TRUE	1	FALSE	0.00265731	TRUE
Chv4	132398170	132398324	Chv4.118102	0.00427	TRUE	1	FALSE	0.027974153	TRUE
Chv4	132724033	132724152	Chv4.118427	0.00001	TRUE	0.058717104	FALSE	0.0023418979	TRUE
Chv4	133021854	133021994	Chv4.118929	0.00035	FALSE	0.0005	FALSE	0.013211919	TRUE

Chr4	150456936	150457249	Chr4.140951	0	TRUE	1	FALSE	6.44E-05	TRUE
Chr4	150557967	150558109	Chr4.141053	0.00006	TRUE	1	FALSE	0.005104747	TRUE
Chr4	151533670	151533628	Chr4.142427	0.00001	TRUE	0.069454454	TRUE	0.026505411	TRUE
Chr4	151851916	151852154	Chr4.142801	0	TRUE	1	FALSE	0.001740713	TRUE
Chr4	152007633	152007771	Chr4.143052	0.00061	TRUE	1	FALSE	0.01257056	TRUE
Chr4	152121117	152121284	Chr4.143336	0	TRUE	1	FALSE	0.030658871	TRUE
Chr4	154585575	154585759	Chr4.146707	0	TRUE	1	FALSE	0.003142642	TRUE
Chr4	154601307	154601660	Chr4.146801	0	TRUE	0.404719436	FALSE	0.023607902	TRUE
Chr4	155144354	155144538	Chr4.147825	0.00022	TRUE	1	FALSE	0.028797333	TRUE
Chr4	155466067	155466203	Chr4.147982	0	TRUE	1	FALSE	0.001278874	TRUE
Chr5	4311393	4311957	Chr5.1463	0	TRUE	1	FALSE	0.006528274	TRUE
Chr5	4409281	4409638	Chr5.1583	0.00002	TRUE	1	FALSE	0.002093666	TRUE
Chr5	4486875	4486864	Chr5.2257	0	TRUE	1	FALSE	1.94E-06	TRUE
Chr5	12583404	12583745	Chr5.6735	0	TRUE	1	FALSE	0.007698466	TRUE
Chr5	1263744	12637910	Chr5.6786	0.00001	TRUE	1	FALSE	0.000565348	TRUE
Chr5	12538870	12639047	Chr5.6790	0.00002	TRUE	1	FALSE	0.0030328	TRUE
Chr5	12751693	12751796	Chr5.6887	0.00047	TRUE	1	FALSE	0.014128268	TRUE
Chr5	13402736	13402916	Chr5.7553	0.00001	TRUE	1	FALSE	0.002993175	TRUE
Chr5	13421329	13421727	Chr5.7585	0	TRUE	1	FALSE	3.08E-07	TRUE
Chr5	22032262	22032482	Chr5.13711	0.00007	TRUE	1	FALSE	0.018465311	TRUE
Chr5	23961301	23961455	Chr5.15481	0	TRUE	0.146840772	FALSE	0.006233576	TRUE
Chr5	24352786	24352892	Chr5.15829	0.00038	TRUE	1	FALSE	0.009700433	TRUE
Chr5	24426033	24428198	Chr5.16278	0	TRUE	1	FALSE	0.000210299	TRUE
Chr5	24453876	24453998	Chr5.16481	0.00006	TRUE	1	FALSE	0.019572683	TRUE
Chr5	30814438	30814587	Chr5.21230	0.00518	TRUE	1	FALSE	0.01379881	TRUE
Chr5	30816364	30816848	Chr5.21241	0.00001	TRUE	1	FALSE	0.003198553	TRUE
Chr5	31151889	31152043	Chr5.22219	0.00029	TRUE	1	FALSE	0.00947405	TRUE
Chr5	31638804	31639119	Chr5.22952	0	TRUE	1	FALSE	0.002098218	TRUE
Chr5	31916503	31916632	Chr5.23290	0	TRUE	1	FALSE	0.001881106	TRUE
Chr5	31984633	31984907	Chr5.23392	0	TRUE	1	FALSE	1.95E-08	TRUE
Chr5	37858772	37858807	Chr5.28901	0	TRUE	0.008814152	FALSE	0.00095464	TRUE
Chr5	37968567	37968882	Chr5.29001	0.00001	TRUE	0.06161875	FALSE	0.011327067	TRUE
Chr5	38003118	38003271	Chr5.29037	0	TRUE	0.014148557	FALSE	0.026385816	TRUE
Chr5	38076778	38076986	Chr5.29130	0	TRUE	0.003383241	FALSE	0.000302865	TRUE
Chr5	39417629	39417778	Chr5.30031	0	TRUE	1	FALSE	0.000474494	TRUE
Chr5	41370286	41370619	Chr5.31029	0	TRUE	1	FALSE	0.002684565	TRUE
Chr5	41562374	41562673	Chr5.31257	0	TRUE	0.0044309	FALSE	0.013537651	TRUE
Chr5	43328882	43329125	Chr5.33221	0	TRUE	1	FALSE	6.77E-05	TRUE
Chr5	44669580	44669814	Chr5.33690	0	TRUE	1	FALSE	0.00500537	TRUE
Chr5	44872315	44872518	Chr5.33947	0.00028	TRUE	1	FALSE	0.011972119	TRUE
Chr5	44975514	44975706	Chr5.33997	0	TRUE	0.003697067	FALSE	0.001363708	TRUE
Chr5	44975747	44976006	Chr5.33999	0	TRUE	0.00841954	FALSE	0.01476855	TRUE
Chr5	45137372	45137508	Chr5.34117	0	TRUE	0.038003861	FALSE	0.012663053	TRUE
Chr5	46367297	46367522	Chr5.35134	0	TRUE	1	FALSE	0.002676421	TRUE
Chr5	47262028	47262358	Chr5.35717	0	TRUE	0.014563772	FALSE	1.94E-05	TRUE
Chr5	47557322	47557574	Chr5.36014	0.00001	TRUE	1	FALSE	0.00680311	TRUE
Chr5	49285582	49285784	Chr5.37529	0.00057	TRUE	1	FALSE	0.021384651	TRUE
Chr5	50198525	50197044	Chr5.38161	0	TRUE	1	FALSE	0.006632187	TRUE
Chr5	50359790	50359934	Chr5.38355	0	TRUE	1	FALSE	2.72E-05	TRUE
Chr5	51551653	51552008	Chr5.38849	0	TRUE	0.115750151	FALSE	0.001870483	TRUE
Chr5	51911319	51911439	Chr5.40830	0.00001	TRUE	1	FALSE	0.006831086	TRUE
Chr5	54238881	54239057	Chr5.43594	0.00001	TRUE	0.171661641	FALSE	0.007443998	TRUE
Chr5	64358028	64359165	Chr5.49779	0	TRUE	0.004616329	FALSE	0.000198942	TRUE
Chr5	66151624	66152026	Chr5.51875	0	TRUE	0.231356902	FALSE	0.002208912	TRUE
Chr5	66969570	66969692	Chr5.52812	0.00003	TRUE	1	FALSE	0.007967467	TRUE
Chr5	66992947	66992710	Chr5.52962	0	TRUE	0.00006	FALSE	0.004418653	TRUE
Chr5	67223569	67223731	Chr5.53329	0.00021	TRUE	1	FALSE	0.00105913	TRUE
Chr5	67223805	67223967	Chr5.53330	0.00006	TRUE	1	FALSE	0.003749567	TRUE
Chr5	73279893	73279996	Chr5.57333	0.00003	FALSE	0.00003	FALSE	0.009693006	TRUE
Chr5	74059320	74059647	Chr5.57980	0.00021	TRUE	1	FALSE	0.01207945	TRUE
Chr5	74880002	74881052	Chr5.58979	0.00001	TRUE	0.165181738	FALSE	0.00746408	TRUE
Chr5	76748548	76748872	Chr5.61311	0.00179	TRUE	1	FALSE	0.030782639	TRUE
Chr5	88887089	88888153	Chr5.60753	0.00001	TRUE	1	FALSE	0.022124181	TRUE
Chr5	90340018	90340141	Chr5.71093	0.00003	TRUE	1	FALSE	0.00648617	TRUE
Chr5	92843876	92844229	Chr5.73013	0	TRUE	1	FALSE	0.000399927	TRUE
Chr5	93045145	93045250	Chr5.73301	0.00546	TRUE	1	FALSE	0.022175732	TRUE
Chr5	93126701	93126885	Chr5.73338	0.0012	TRUE	1	FALSE	0.025813732	TRUE
Chr5	96386630	96386857	Chr5.73922	0	TRUE	0.309450903	FALSE	0.008306264	TRUE
Chr5	99218353	99218609	Chr5.77452	0.00001	TRUE	1	FALSE	0.012191958	TRUE
Chr5	106491975	106492275	Chr5.83874	0	TRUE	1	FALSE	0.000195913	TRUE
Chr5	107020148	107020606	Chr5.84480	0	TRUE	1	FALSE	0.001012582	TRUE
Chr5	107192347	107192808	Chr5.84833	0	TRUE	0.052748024	FALSE	0.000676762	TRUE
Chr5	107195075	107196102	Chr5.84850	0.0002	TRUE	1	FALSE	0.021907962	TRUE
Chr5	107203201	107203434	Chr5.84867	0	TRUE	1	FALSE	4.22E-06	TRUE
Chr5	107222063	107222193	Chr5.84902	0	TRUE	1	FALSE	1.63E-06	TRUE
Chr5	107287361	107287814	Chr5.85012	0	TRUE	1	FALSE	0.021703606	TRUE
Chr5	107289314	107289523	Chr5.85017	0.00038	TRUE	1	FALSE	0.007664729	TRUE
Chr5	111057209	111057664	Chr5.88751	0.00004	TRUE	1	FALSE	0.017451545	TRUE
Chr5	111059510	111059686	Chr5.88755	0	TRUE	0.031272338	FALSE	0.005389313	TRUE
Chr5	111138286	111138531	Chr5.88872	0.0002	TRUE	1	FALSE	0.007590133	TRUE
Chr5	111217875	111218193	Chr5.89019	0.00002	TRUE	0.02901571	FALSE	0.027365525	TRUE
Chr5	111371339	111371559	Chr5.89377	0	TRUE	1	FALSE	8.0E-05	TRUE
Chr5	111577004	111577739	Chr5.89674	0	TRUE	1	FALSE	0.000158395	TRUE
Chr5	111662066	111662262	Chr5.89710	0	TRUE	0.001664402	FALSE	2.69E-08	TRUE
Chr5	112552001	112552129	Chr5.90719	0.00148	TRUE	1	FALSE	0.030489128	TRUE
Chr5	112595854	112595985	Chr5.91190	0.00009	TRUE	1	FALSE	0.000887848	TRUE
Chr5	114584513	114584655	Chr5.93700	0	TRUE	1	FALSE	0.000474825	TRUE
Chr5	114645010	114645198	Chr5.93830	0	TRUE	1	FALSE	1.76E-05	TRUE
Chr5	114604715	114604843	Chr5.94134	0.00035	TRUE	0.319680162	FALSE	0.030500631	TRUE
Chr5	115143536	115143902	Chr5.94454	0.00089	TRUE	0.454130969	FALSE	0.028723258	TRUE
Chr5	115331324	115331557	Chr5.94780	0.00002	TRUE	0.224855512	FALSE	0.009431737	TRUE
Chr5	115332875	115333107	Chr5.94785	0.00002	TRUE	1	FALSE	0.02362445	TRUE
Chr5	115647628	115647778	Chr5.95033	0.00003	TRUE	1	FALSE	0.010484946	TRUE
Chr5	116007014	116007299	Chr5.96136	0.00546	TRUE	1	FALSE	0.00955629	TRUE
Chr5	117493097	117493199	Chr5.97588	0.00119	TRUE	1	FALSE	0.027700077	TRUE
Chr5	118084491	118084619	Chr5.98329	0.00001	TRUE	1	FALSE	0.003502244	TRUE
Chr5	118981040	118981432	Chr5.99546	0	TRUE	1	FALSE	0.004130304	TRUE
Chr5	118984812	118984939	Chr5.99573	0.00003	TRUE	1	FALSE	0.003532573	TRUE
Chr5	119070186	119070186	Chr5.99687	0.00003	TRUE	1	FALSE	0.003621564	TRUE
Chr5	119247080	119247172	Chr5.99892	0.00024	TRUE	1	FALSE	0.01187799	TRUE
Chr5	119674879	119675286	Chr5.100507	0.00001	TRUE	1	FALSE	0.007674851	TRUE
Chr5	121251815	121251988	Chr5.102837	0.00002	TRUE	0.586411622	FALSE	0.003176036	TRUE
Chr5	121367658	121367837	Chr5.103310	0.00009	TRUE	1	FALSE	0.002651378	TRUE
Chr5	122051410	122051646	Chr5.104449	0	TRUE	1	FALSE	0.000331626	TRUE
Chr5	122130496	122130686	Chr5.104965	0	TRUE	0.004838503	FALSE	0.011166822	TRUE
Chr5	122320228	122320346	Chr5.104791	0.00002	TRUE	0.08103366	FALSE	0.011011385	TRUE
Chr5	122525774	122526001	Chr5.105126	0.00033	TRUE	1	FALSE	0.022063216	TRUE
Chr5	122549082	122549345	Chr5.105195	0.00002	TRUE	0.05082363	FALSE	0.016961846	TRUE
Chr5	122989360	122989954	Chr5.105849	0	TRUE	1	FALSE	0.002041193	TRUE
Chr5	123140771	123141230	Chr5.106075	0	TRUE	1	FALSE	0.012643467	TRUE
Chr5	125105147	125105159	Chr5.110149	0.00011	TRUE	0.564609045	FALSE	0.013782678	TRUE
Chr5	129844967	129845078	Chr5.112481	0.00003	TRUE	1	FALSE	0.011539991	TRUE
Chr5	131417788	131417861	Chr5.113800	0.00001	TRUE	1	FALSE	0.011893333	TRUE
Chr5	131512760	131513075	Chr5.113766	0.00001	TRUE	0.404270269	FALSE	0.00804137	TRUE
Chr5	131517804	131518085	Chr5.113774	0.00001	TRUE	1	FALSE	0.027976044	TRUE
Chr5	131553095	131553332	Chr5.113852	0.00001	TRUE	1	FALSE	0.023646073	TRUE
Chr5	131833135	131833347	Chr5.114360	0.00009	TRUE	1	FALSE	0.002562488	TRUE
Chr5	131851029	131851317	Chr5.114391	0.00004	TRUE	1	FALSE	0.02179959	TRUE
Chr5	131967116	131967304	Chr5.114805	0.00006	TRUE	1	FALSE	0.008148152	TRUE
Chr5	132182340	13							

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Chr6	28706534	28707150	Chr6.22561	0	TRUE	0.356750486	FALSE	0.001030342	TRUE	
Chr6	28748305	28748667	Chr6.22642	0	TRUE	1	FALSE	0.001220277	TRUE	
Chr6	28822549	28822701	Chr6.22830	0.0001	TRUE	1	FALSE	0.024811898	TRUE	
Chr6	28827446	28827556	Chr6.22853	0.00172	TRUE	1	FALSE	0.009762887	TRUE	
Chr6	28879445	28879574	Chr6.23024	0.00011	TRUE	1	FALSE	0.00767998	TRUE	
Chr6	28981200	28981318	Chr6.23099	0.00376	TRUE	1	FALSE	0.023658432	TRUE	
Chr6	29772170	29772362	Chr6.24685	0	TRUE	0.068474731	FALSE	0.000440304	TRUE	
Chr6	29853977	29854146	Chr6.24744	0.00027	TRUE	1	FALSE	0.005737865	TRUE	
Chr6	30147144	30147309	Chr6.25092	0.00086	TRUE	1	FALSE	0.022506964	TRUE	
Chr6	30301191	30301356	Chr6.25253	0.00005	TRUE	1	FALSE	0.002928965	TRUE	
Chr6	30303482	30303661	Chr6.25270	0	TRUE	1	FALSE	0.000717462	TRUE	
Chr6	30549846	30550022	Chr6.25578	0	TRUE	1	FALSE	1.67E-06	TRUE	
Chr6	30568174	30568480	Chr6.25624	0.00045	TRUE	1	FALSE	0.021414851	TRUE	
Chr6	30653865	30654288	Chr6.25921	0	TRUE	0.318845447	FALSE	0.009180728	TRUE	
Chr6	30664767	30665293	Chr6.25986	0	TRUE	1	FALSE	3.35E-05	TRUE	
Chr6	30693505	30693824	Chr6.26026	0.00176	TRUE	1	FALSE	0.008143457	TRUE	
Chr6	32586574	32586716	Chr6.28055	0	TRUE	1	FALSE	0.000156942	TRUE	
Chr6	32805460	32805632	Chr6.28273	0.00051	TRUE	1	FALSE	0.02433387	TRUE	
Chr6	34599941	34600244	Chr6.30697	0.0001	TRUE	1	FALSE	0.016365344	TRUE	
Chr6	34731546	34731715	Chr6.30898	0	TRUE	1	FALSE	0.003363505	TRUE	
Chr6	34743989	34744117	Chr6.30921	0	TRUE	1	FALSE	3.94E-32	TRUE	
Chr6	35804155	35804273	Chr6.31504	0	TRUE	1	FALSE	0.001448995	TRUE	
Chr6	36837683	36837832	Chr6.32558	0.00019	TRUE	1	FALSE	0.005127228	TRUE	
Chr6	36850652	36850780	Chr6.32596	0	TRUE	1	FALSE	0.001675786	TRUE	
Chr6	374115200	37411514	Chr6.33097	0.00035	TRUE	1	FALSE	0.020660537	TRUE	
Chr6	38552005	38552186	Chr6.33910	0.00411	TRUE	1	FALSE	0.016490169	TRUE	
Chr6	39528683	39528798	Chr6.34957	0.00112	TRUE	1	FALSE	0.009486825	TRUE	
Chr6	50038243	50038351	Chr6.44491	0.00021	TRUE	1	FALSE	0.00949892	TRUE	
Chr6	50667561	50668006	Chr6.45077	0	TRUE	0.001429687	FALSE	0.009393437	TRUE	
Chr6	50726074	50726498	Chr6.45187	0	TRUE	0.001401338	FALSE	2.29E-06	TRUE	
Chr6	50810683	50810814	Chr6.45350	0	TRUE	0.01781741	FALSE	0.007508878	TRUE	
Chr6	51002435	51002536	Chr6.45719	0.00004	TRUE	0.546876136	FALSE	0.005816876	TRUE	hs1600
Chr6	51010728	51010992	Chr6.45764	0	TRUE	1	FALSE	0.00078015	TRUE	
Chr6	51016499	51016824	Chr6.45771	0	TRUE	0.007880341	FALSE	0.008761972	TRUE	
Chr6	51017603	51017851	Chr6.45783	0	TRUE	0.030564415	FALSE	3.59E-08	TRUE	
Chr6	51039581	51040145	Chr6.45829	0	TRUE	1	FALSE	0.019227045	TRUE	
Chr6	51148071	51148222	Chr6.46067	0	TRUE	1	FALSE	6.68E-05	TRUE	
Chr6	51177389	51178104	Chr6.46177	0.00001	TRUE	0.08458352	FALSE	0.00585269	TRUE	
Chr6	51361817	51361955	Chr6.46367	0	TRUE	0.005456458	FALSE	0.003546091	TRUE	
Chr6	51753873	51754064	Chr6.46939	0	TRUE	1	FALSE	0.00263116	TRUE	
Chr6	51757727	51757960	Chr6.46964	0.00001	TRUE	1	FALSE	0.002199433	TRUE	
Chr6	52213071	52213242	Chr6.48195	0.00404	TRUE	1	FALSE	0.01068896	TRUE	
Chr6	52443308	52443586	Chr6.48695	0	TRUE	1	FALSE	3.45E-05	TRUE	
Chr6	52795492	52795678	Chr6.49190	0.00001	TRUE	0.022776796	FALSE	0.019253619	TRUE	
Chr6	52797445	52797604	Chr6.49194	0	TRUE	0.012022	FALSE	0.00043366	TRUE	
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Chr6	53449352	53449514	Chr6.50292	0	TRUE	0.01032653	FALSE	0.007726167	TRUE	
Chr6	53450549	53450761	Chr6.50304	0.00001	TRUE	0.199375545	FALSE	0.001144859	TRUE	
Chr6	53452207	53452566	Chr6.50308	0	TRUE	0.038092642	FALSE	0.003971587	TRUE	
Chr6	53496734	53497106	Chr6.50378	0	TRUE	0.071606767	FALSE	0.023019869	TRUE	
Chr6	53669905	53667133	Chr6.50520	0.00022	TRUE	1	FALSE	0.010983076	TRUE	
Chr6	53818172	53818357	Chr6.50873	0.00018	TRUE	1	FALSE	0.015575354	TRUE	
Chr6	53824941	53825095	Chr6.50889	0.00028	TRUE	1	FALSE	0.010971529	TRUE	
Chr6	53854368	53854888	Chr6.50787	0	TRUE	1	FALSE	0.008858292	TRUE	
Chr6	53895959	53898866	Chr6.50956	0.00004	TRUE	0.040682098	FALSE	0.022696431	TRUE	
Chr6	53820889	53821081	Chr6.51171	0.00317	TRUE	1	FALSE	0.013127121	TRUE	
Chr6	53942359	53942532	Chr6.51344	0	TRUE	0.027286972	FALSE	0.009641674	TRUE	
Chr6	54222910	54223049	Chr6.51791	0	TRUE	1	FALSE	0.001261166	TRUE	
Chr6	54279086	54279360	Chr6.51843	0.00004	TRUE	1	FALSE	0.013659753	TRUE	
Chr6	55873743	55874006	Chr6.53558	0.00001	TRUE	1	FALSE	0.021828502	TRUE	
Chr6	62202081	62292480	Chr6.56169	0	TRUE	1	FALSE	0.000310587	TRUE	
Chr6	61716032	61716261	Chr6.55599	0	TRUE	1	FALSE	0.024777916	TRUE	
Chr6	83306297	83306397	Chr6.67228	0.00001	TRUE	0.069592547	FALSE	0.008996968	TRUE	
Chr6	83440423	83440588	Chr6.67504	0	TRUE	1	FALSE	5.56E-05	TRUE	
Chr6	83567698	83567789	Chr6.67650	0	TRUE	0.013422996	FALSE	2.60E-06	TRUE	
Chr6	84144436	84144606	Chr6.68346	0	TRUE	1	FALSE	3.91E-05	TRUE	
Chr6	84315280	84315472	Chr6.68824	0.00011	TRUE	0.355728406	FALSE	0.030730639	TRUE	
Chr6	84460634	84461146	Chr6.69051	0	TRUE	0.003254613	FALSE	0.001030609	TRUE	
Chr6	84807041	84807692	Chr6.69136	0.00004	TRUE	0.033895122	FALSE	0.02223694	TRUE	
Chr6	84780095	84780353	Chr6.69219	0	TRUE	0.002554131	FALSE	0.007319799	TRUE	
Chr6	85155016	85155251	Chr6.69521	0	TRUE	1	FALSE	3.98E-09	TRUE	
Chr6	85165819	85165976	Chr6.69554	0.0004	TRUE	1	FALSE	0.027657975	TRUE	hs1025
Chr6	85544179	85544579	Chr6.70121	0	TRUE	0.075134535	FALSE	0.003908819	TRUE	
Chr6	86109871	86109737	Chr6.70423	0.00003	TRUE	1	FALSE	0.001366817	TRUE	
Chr6	86549672	86549997	Chr6.71107	0	TRUE	0	FALSE	3.83E-05	TRUE	
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Chr6	87272121	87272463	Chr6.71623	0	TRUE	1	FALSE	0.003770404	TRUE	
Chr6	88262270	88262546	Chr6.72572	0	TRUE	1	FALSE	0.000522775	TRUE	
Chr6	88296851	88296770	Chr6.72634	0.00018	TRUE	1	FALSE	0.002355287	TRUE	
Chr6	92648848	92649015	Chr6.72669	0.00002	TRUE	1	FALSE	0.000124697	TRUE	
Chr6	93218183	93218291	Chr6.77420	0.00041	TRUE	1	FALSE	0.010666727	TRUE	
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Chr6	94640419	94640627	Chr6.79037	0.00002	TRUE	1	FALSE	0.001387684	TRUE	
Chr6	94681750	94682007	Chr6.79125	0	TRUE	1	FALSE	0.002700358	TRUE	
Chr6	94772975	94773354	Chr6.79278	0.00001	TRUE	1	FALSE	0.020524907	TRUE	
Chr6	95117741	95117980	Chr6.79730	0	TRUE	1	FALSE	2.56E-05	TRUE	
Chr6	95484151	95484349	Chr6.80069	0.00003	TRUE	1	FALSE	0.009929728	TRUE	
Chr6	95743735	9574626	Chr6.80208	0	TRUE	1	FALSE	2.44E-05	TRUE	
Chr6	97881997	97882157	Chr6.82738	0.0001	TRUE	1	FALSE	0.000334477	TRUE	
Chr6	98048832	98049115	Chr6.83039	0	TRUE	1	FALSE	0.000568694	TRUE	
Chr6	98117429	98117632	Chr6.83199	0.00006	TRUE	1	FALSE	0.024290183	TRUE	
Chr6	98267952	98268152	Chr6.83521	0	TRUE	1	FALSE	0.017684074	TRUE	
Chr6	99475176	99475280	Chr6.86059	0.00001	TRUE	1	FALSE	0.000970423	TRUE	
Chr6	99483474	99483792	Chr6.86069	0	TRUE	1	FALSE	0.005938069	TRUE	
Chr6	99605032	99601097	Chr6.86208	0.00005	TRUE	1	FALSE	0.027365507	TRUE	
Chr6	99626901	99627067	Chr6.86381	0.00001	TRUE	1	FALSE	0.010462183	TRUE	
Chr6	100144200	100144317	Chr6.86834	0.00009	TRUE	1	FALSE	0.011449255	TRUE	
Chr6	100563142	100563264	Chr6.87074	0.00183	TRUE	1	FALSE	0.02697529	TRUE	
Chr6	100581189	100581488	Chr6.87103	0	TRUE	1	FALSE	0.000360022	TRUE	
Chr6	101196511	101196754	Chr6.87784	0.00004	TRUE	1	FALSE	0.019977831	TRUE	
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Chr6	102608963	102609036	Chr6.89294	0.00119	TRUE	1	FALSE	0.0071681	TRUE	
Chr6	103810123	103810459	Chr6.90236	0	TRUE	1	FALSE	1.56E-06	TRUE	
Chr6	104457607	104457754	Chr6.90893	0.00017	TRUE	1	FALSE	0.015860432	TRUE	
Chr6	104761057	104761267	Chr6.90936	0	TRUE	1	FALSE	0.00287453	TRUE	
Chr6	112757094	112757267	Chr6.97223	0.00007	TRUE	1	FALSE	0.025694206	TRUE	
Chr6	114917540	114917654	Chr6.99796	0.00003	TRUE	1	FALSE	0.003303614	TRUE	
Chr6	115213120	115213524	Chr6.99992	0	TRUE	1	FALSE	0.003816558	TRUE	
Chr6	115318932	115319046	Chr6.100147	0.0016	TRUE	1	FALSE	0.014085564	TRUE	
Chr6	115908226	115908423	Chr6.101050	0.00096	TRUE	1	FALSE	0.00995803	TRUE	
Chr6	116946221	116946509	Chr6.102179	0.00004	TRUE	1	FALSE	0.024721188	TRUE	
Chr6	119051632	119052112	Chr6.103754	0	TRUE	1	FALSE	0.000123311	TRUE	
Chr6	119492237	119								

Chr7	25293919	25294157	Chr7.9238	0	TRUE	1	FALSE	0.000752811	TRUE	
Chr7	25711624	25711956	Chr7.9983	0.00072	TRUE	1	FALSE	0.009954966	TRUE	
Chr7	27532005	27532169	Chr7.12380	0.00028	TRUE	1	FALSE	0.005519807	TRUE	
Chr7	28072927	28073031	Chr7.12747	0.00003	TRUE	1	FALSE	0.000476876	TRUE	
Chr7	28401583	28401732	Chr7.13940	0.00082	TRUE	1	FALSE	0.016210198	TRUE	
Chr7	29581292	29581597	Chr7.16837	0.00023	TRUE	1	FALSE	0.009186846	TRUE	
Chr7	34109521	34109625	Chr7.19291	0.00003	TRUE	0.033723153	FALSE	0.029649185	TRUE	
Chr7	34594287	34594444	Chr7.19899	0	TRUE	1	FALSE	0.00084999	TRUE	
Chr7	34630301	34630301	Chr7.19732	0	TRUE	1	FALSE	1.70E-05	TRUE	
Chr7	34753321	34753466	Chr7.19942	0	TRUE	1	FALSE	0.000566962	TRUE	
Chr7	34955704	34955810	Chr7.20143	0.00219	TRUE	1	FALSE	0.009870632	TRUE	
Chr7	36714039	36714199	Chr7.22703	0.00028	TRUE	1	FALSE	0.025613098	TRUE	
Chr7	37126350	37126674	Chr7.23319	0	TRUE	0.371437838	FALSE	0.029045577	TRUE	
Chr7	37997754	37997876	Chr7.24885	0.00008	TRUE	1	FALSE	0.010439011	TRUE	
Chr7	45180918	45181159	Chr7.29156	0.00983	TRUE	1	FALSE	0.022277569	TRUE	
Chr7	45339269	45339420	Chr7.29582	0.00681	TRUE	1	FALSE	0.030484799	TRUE	
Chr7	46466534	46466825	Chr7.32674	0	TRUE	1	FALSE	0.002165124	TRUE	
Chr7	46795987	46796164	Chr7.33093	0.00218	TRUE	1	FALSE	0.010167787	TRUE	
Chr7	49146417	49146417	Chr7.34516	0.00000	TRUE	1	FALSE	0.005895137	TRUE	
Chr7	49262111	49262506	Chr7.34692	0.00172	TRUE	1	FALSE	0.005853707	TRUE	
Chr7	50220647	50220750	Chr7.36201	0.00021	TRUE	1	FALSE	0.009083078	TRUE	
Chr7	66459186	66459500	Chr7.41551	0.00047	TRUE	1	FALSE	0.021905581	TRUE	
Chr7	67073467	67073845	Chr7.42890	0	TRUE	1	FALSE	0.0013665	TRUE	
Chr7	68917483	68917581	Chr7.44023	0.00004	TRUE	0.1725853	FALSE	0.030883334	TRUE	
Chr7	69808430	69808641	Chr7.44914	0.0003	TRUE	1	FALSE	0.017426452	TRUE	
Chr7	70345477	70345769	Chr7.45805	0	TRUE	1	FALSE	0.004389489	TRUE	
Chr7	70352209	70352326	Chr7.45833	0.0002	TRUE	1	FALSE	0.005070958	TRUE	
Chr7	70515242	70515451	Chr7.46250	0	TRUE	1	FALSE	0.002967919	TRUE	
Chr7	70576608	70576737	Chr7.46357	0.00045	FALSE	1	FALSE	0.002263779	TRUE	
Chr7	70822420	70822844	Chr7.46816	0	TRUE	1	FALSE	8.55E-05	TRUE	
Chr7	71603807	71603818	Chr7.48127	0	TRUE	1	FALSE	0.011961502	TRUE	
Chr7	73544179	73544480	Chr7.49953	0	TRUE	1	FALSE	0.016907394	TRUE	
Chr7	75648079	75649192	Chr7.51174	0	TRUE	0.2023143	FALSE	0.001335153	TRUE	
Chr7	82720799	82721044	Chr7.59244	0	TRUE	1	FALSE	0.018725587	TRUE	
Chr7	82868453	82868565	Chr7.59334	0.00032	TRUE	0.211627621	FALSE	0.030859312	TRUE	
Chr7	89405022	89405452	Chr7.61965	0	FALSE	0	FALSE	0.002839521	TRUE	
Chr7	89679242	89679545	Chr7.62319	0	TRUE	1	FALSE	0.000989396	TRUE	
Chr7	90059970	90060176	Chr7.62685	0	TRUE	1	FALSE	0.005630949	TRUE	
Chr7	90476799	90477351	Chr7.63259	0.00038	FALSE	0	FALSE	0.001753032	TRUE	
Chr7	90784704	90784999	Chr7.63405	0	TRUE	1	FALSE	0.000193435	TRUE	
Chr7	92777177	92777328	Chr7.65223	0	TRUE	1	FALSE	9.48E-06	TRUE	
Chr7	92984742	92985187	Chr7.65444	0	TRUE	1	FALSE	0.00047444	TRUE	
Chr7	92985402	92985688	Chr7.65454	0	TRUE	1	FALSE	0.001740446	TRUE	
Chr7	93846024	93847034	Chr7.65991	0.00053	TRUE	1	FALSE	0.022945314	TRUE	
Chr7	94042663	94042906	Chr7.66047	0.00027	TRUE	1	FALSE	0.004992019	TRUE	
Chr7	95689274	95689577	Chr7.67152	0	TRUE	0.07918439	FALSE	0.007401844	TRUE	
Chr7	96305676	96305798	Chr7.67712	0	0.00026	TRUE	1	FALSE	0.002282352	TRUE
Chr7	96661732	96662034	Chr7.68130	0.00002	TRUE	1	FALSE	0.002255996	TRUE	
Chr7	97580510	97580621	Chr7.69380	0.00304	FALSE	0	FALSE	0.01520615	TRUE	
Chr7	98354681	98354851	Chr7.70207	0	TRUE	1	FALSE	0.000552813	TRUE	
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Chr7	98702101	98702435	Chr7.70776	0	TRUE	1	FALSE	0.000223332	TRUE	
Chr7	98908133	98908252	Chr7.71110	0	TRUE	1	FALSE	0.001393256	TRUE	
Chr7	98909040	98910112	Chr7.71111	0	TRUE	1	FALSE	0.005713076	TRUE	
Chr7	98911350	98911472	Chr7.71122	0.00002	TRUE	1	FALSE	0.005953567	TRUE	
Chr7	98968014	98968605	Chr7.71199	0	FALSE	0	FALSE	0.01333495	TRUE	
Chr7	98983270	98983714	Chr7.71206	0	TRUE	1	FALSE	5.05E-07	TRUE	
Chr7	99016256	99016389	Chr7.71233	0.00013	TRUE	1	FALSE	0.011512493	TRUE	
Chr7	99020934	99020979	Chr7.71246	0.00009	FALSE	0	FALSE	0.025360811	TRUE	
Chr7	100608993	100609106	Chr7.73295	0.00063	TRUE	1	FALSE	0.020277552	TRUE	
Chr7	100873058	100873164	Chr7.73668	0.00002	TRUE	1	FALSE	0.001352842	TRUE	
Chr7	101109322	101109473	Chr7.74023	0.0008	TRUE	1	FALSE	0.007052584	TRUE	
Chr7	101110172	101110275	Chr7.74034	0.00006	TRUE	1	FALSE	0.00872302	TRUE	
Chr7	101896355	101896461	Chr7.75135	0.00004	TRUE	1	FALSE	0.002486298	TRUE	
Chr7	105635973	105635989	Chr7.81363	0.00025	TRUE	1	FALSE	0.014268824	TRUE	
Chr7	108616851	108616765	Chr7.86899	0.00131	FALSE	0	FALSE	0.002992993	TRUE	
Chr7	109850199	109850321	Chr7.87042	0	TRUE	0.122260647	FALSE	0.012394886	TRUE	
Chr7	109925591	109925708	Chr7.87134	0.0032	TRUE	1	FALSE	0.022998919	TRUE	
Chr7	110142216	110142462	Chr7.87396	0	TRUE	0.034667851	FALSE	0.014870467	TRUE	
Chr7	110632852	110632961	Chr7.87852	0.00003	TRUE	1	FALSE	0.006467434	TRUE	
Chr7	111082779	11108331	Chr7.88429	0	TRUE	1	FALSE	1.23E-06	TRUE	
Chr7	111772460	111772636	Chr7.89037	0	TRUE	1	FALSE	0.000474484	TRUE	
Chr7	112023361	112023639	Chr7.89194	0.0121	TRUE	1	FALSE	0.027124551	TRUE	
Chr7	112572533	112572718	Chr7.89851	0.00064	TRUE	1	FALSE	0.005531271	TRUE	
Chr7	112905431	112905553	Chr7.90338	0.00054	TRUE	1	FALSE	0.02035989	TRUE	
Chr7	112973459	112973563	Chr7.90425	0.00062	TRUE	1	FALSE	0.01979436	TRUE	
Chr7	115453618	115453762	Chr7.92607	0	TRUE	0.01861656	FALSE	8.03E-05	TRUE	
Chr7	115833676	115834107	Chr7.93676	0	TRUE	1	FALSE	2.05E-05	TRUE	
Chr7	116032428	116032807	Chr7.94044	0	FALSE	0	FALSE	0.001509578	TRUE	
Chr7	116334079	116334217	Chr7.94528	0.00008	TRUE	1	FALSE	0.002099967	TRUE	
Chr7	117436884	117436784	Chr7.95377	0.00001	TRUE	1	FALSE	0.002359608	TRUE	
Chr7	119895005	119895256	Chr7.98152	0	TRUE	1	FALSE	0.00137E-05	TRUE	
Chr7	123328044	123328200	Chr7.102210	0.0004	FALSE	0	FALSE	0.016374484	TRUE	
Chr7	124347748	124347891	Chr7.102892	0.00387	TRUE	1	FALSE	0.02811411	TRUE	
Chr7	126502423	126502618	Chr7.104091	0.00001	TRUE	1	FALSE	0.012357545	TRUE	
Chr7	127018518	127018688	Chr7.106073	0.00007	FALSE	0	FALSE	0.008653482	TRUE	
Chr7	127745707	127746028	Chr7.107480	0.00015	TRUE	1	FALSE	0.014218139	TRUE	
Chr7	127789223	127789484	Chr7.107554	0.00001	TRUE	1	FALSE	0.003999897	TRUE	
Chr7	127889855	127889977	Chr7.108029	0.00037	FALSE	0	FALSE	0.020832305	TRUE	
Chr7	129751712	129751811	Chr7.110282	0.00002	TRUE	1	FALSE	0.020905651	TRUE	
Chr7	129779094	129779422	Chr7.110326	0	TRUE	1	FALSE	1.47E-05	TRUE	
Chr7	129876261	12987574	Chr7.110434	0.00004	TRUE	1	FALSE	0.007788006	TRUE	
Chr7	129976274	129976563	Chr7.110555	0	FALSE	1	FALSE	0.00504796	TRUE	
Chr7	130183897	130184153	Chr7.110921	0.00001	TRUE	1	FALSE	0.00616278	TRUE	
Chr7	130426141	130426429	Chr7.111320	0	TRUE	1	FALSE	0.000702121	TRUE	
Chr7	130713939	130714068	Chr7.111556	0.0001	FALSE	0	FALSE	0.004357623	TRUE	
Chr7	132317165	132317341	Chr7.113893	0.00002	TRUE	1	FALSE	0.015548437	TRUE	
Chr7	132712057	132712163	Chr7.114207	0	TRUE	0.1310052	FALSE	0.004467055	TRUE	
Chr7	132816096	132816287	Chr7.114359	0.00005	FALSE	0.073143136	FALSE	0.001209092	TRUE	
Chr7	133017178	133011906	Chr7.114635	0	TRUE	0.009140418	FALSE	9.57E-05	TRUE	
Chr7	133440708	133441226	Chr7.115136	0	TRUE	0.003587134	FALSE	6.73E-05	TRUE	
Chr7	133898942	133899257	Chr7.115324	0	TRUE	0.004702399	FALSE	6.62E-06	TRUE	
Chr7	134227908	134228110	Chr7.116162	0	TRUE	0.012448884	FALSE	0.000503595	TRUE	
Chr7	134497747	134497943	Chr7.116357	0.00001	TRUE	1	FALSE	0.000458721	TRUE	
Chr7	136406515	136406798	Chr7.118620	0.00012	TRUE	1	FALSE	0.001187165	TRUE	
Chr7	136499404	136499627	Chr7.118819	0	TRUE	1	FALSE	0.00059271	TRUE	
Chr7	137211018	137211253	Chr7.120023	0	TRUE	0.092255159	FALSE	0.006229044	TRUE	
Chr7	137221262	137221696	Chr7.120057	0	TRUE	0.001035124	FALSE	0.01400599	TRUE	
Chr7	137284206	137284405	Chr7.120264	0.00005	FALSE	0.073143136	FALSE	0.027712471	TRUE	
Chr7	138466093	138466761	Chr7.121331	0.00002	TRUE	0.239570794	FALSE	0.014686928	TRUE	
Chr7	139530915	139531046	Chr7.121424	0.00086	TRUE	1	FALSE	0.014374275	TRUE	
Chr7	141893563	141893781	Chr7.124455	0.00004	FALSE	0.043178969	FALSE	0.014111817	TRUE	
Chr7	143273223	143273344	Chr7.125239	0.00007	TRUE	0.302015201	FALSE	0.020865281	TRUE	
Chr7	145025475	145025593	Chr7.127625	0	TRUE	1	FALSE	0.000567272	TRUE	
Chr7	145159447	145159643	Chr7.127657	0	TRUE	0.007910035	FALSE	0.015107097	TRUE	
Chr7	145229270	145229393	Chr7.127732	0.00364	FALSE	0	FALSE	0.009722698	TRUE	
Chr7	7131499	7132149	Chr6.3416	0	TRUE	1	FALSE	3.60E-05	TRUE	
Chr8	12385509	12385607	Chr8.8621	0.00004	TRUE	1	FALSE	0.003130343	TRUE	
Chr8	23345392	23345620	Chr8.14643	0.00004	TRUE	1	FALSE	0.008451518	TRUE	
Chr8	23420497	23420658	Chr8.14798	0	TRUE	1	FALSE	0.000334556	TRUE	
Chr8</										

Chr8	90870784	90871301	Chr8.74852	0.00004	TRUE	1	FALSE	0.025218266	TRUE	
Chr8	91217295	91217726	Chr8.75330	0	TRUE	1	FALSE	0.014813819	TRUE	
Chr8	91342751	91342918	Chr8.75594	0.00026	TRUE	1	FALSE	0.005865269	TRUE	
Chr8	91347450	91347656	Chr8.75597	0.00003	TRUE	1	FALSE	0.014970742	TRUE	
Chr8	91355336	91355843	Chr8.75613	0.00001	TRUE	1	FALSE	0.018448948	TRUE	
Chr8	91488833	91489968	Chr8.75817	0.00031	TRUE	1	FALSE	0.030273846	TRUE	
Chr8	91508057	91508457	Chr8.75853	0	TRUE	1	FALSE	0.001146429	TRUE	
Chr8	91897560	91897663	Chr8.76820	0.00007	TRUE	0.58244061	FALSE	0.030011094	TRUE	
Chr8	91927483	91928137	Chr8.76887	0	TRUE	1	FALSE	0.00125406	TRUE	
Chr8	91994175	91994316	Chr8.77037	0	TRUE	1	FALSE	0.000174116	TRUE	
Chr8	92363018	92363129	Chr8.77702	0	TRUE	0.014208575	FALSE	0.000470817	TRUE	
Chr8	92827308	92827447	Chr8.78338	0.0003	TRUE	1	FALSE	0.033503372	TRUE	
Chr8	938112603	93811330	Chr8.79368	0.00025	TRUE	1	FALSE	0.017053378	TRUE	
Chr8	94214490	94214591	Chr8.79823	0.00076	TRUE	1	FALSE	0.02482584	TRUE	
Chr8	94551879	94551988	Chr8.80502	0	TRUE	1	FALSE	1.09E-06	TRUE	
Chr8	96363117	96363227	Chr8.83007	0.00035	TRUE	1	FALSE	0.023061495	TRUE	
Chr8	102782009	102782183	Chr8.88246	0	TRUE	0.251220305	FALSE	0.017892463	TRUE	
Chr8	103451417	103451723	Chr8.89067	0	TRUE	0.186843398	FALSE	0.006522541	TRUE	
Chr8	103938920	103938922	Chr8.89542	0.00001	TRUE	1	FALSE	0.000137013	TRUE	
Chr8	105289190	105289298	Chr8.91433	0.0001	TRUE	1	FALSE	0.006462884	TRUE	
Chr8	105469238	105469529	Chr8.92115	0.00048	TRUE	1	FALSE	0.025693201	TRUE	
Chr8	105527185	105527338	Chr8.92284	0.00003	TRUE	1	FALSE	0.00594167	TRUE	
Chr8	105931004	105931122	Chr8.93258	0.00006	TRUE	0.072049569	FALSE	0.020875862	TRUE	
Chr8	106511675	106511926	Chr8.94464	0.00083	TRUE	1	FALSE	0.013787234	TRUE	
Chr8	106892037	106892411	Chr8.95153	0	TRUE	0.674160933	FALSE	0.01362033	TRUE	
Chr8	107070120	107070263	Chr8.95812	0	TRUE	1	FALSE	0.020100713	TRUE	
Chr8	107295497	107295803	Chr8.95759	0	TRUE	1	FALSE	8.13E-05	TRUE	
Chr8	107458382	107458483	Chr8.96007	0.00009	TRUE	1	FALSE	0.003773258	TRUE	
Chr8	107553467	107553619	Chr8.96065	0	FALSE	1	FALSE	0.001488974	TRUE	
Chr8	107816636	107816770	Chr8.96555	0.00004	TRUE	1	FALSE	0.004060609	TRUE	
Chr8	107860150	107860650	Chr8.96645	0	TRUE	0.023724712	FALSE	0.018599201	TRUE	
Chr8	107840842	107854541	Chr8.96659	0.00005	TRUE	1	FALSE	0.012099144	TRUE	
Chr8	108028413	108028640	Chr8.97042	0.00001	TRUE	1	FALSE	0.013947808	TRUE	ha1612
Chr8	108101360	108101964	Chr8.97220	0	TRUE	1	FALSE	0.000101093	TRUE	
Chr8	108148421	108148534	Chr8.97322	0	TRUE	1	FALSE	0.005286894	TRUE	
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Chr8	108699849	108700025	Chr8.98515	0.00001	TRUE	1	FALSE	0.002015645	TRUE	
Chr8	108702864	108702946	Chr8.98533	0.00014	TRUE	1	FALSE	0.027479646	TRUE	
Chr8	108724467	108725036	Chr8.98832	0	FALSE	0	FALSE	4.21E-05	TRUE	
Chr8	108748654	108749164	Chr8.98685	0.00007	TRUE	1	FALSE	0.011647052	TRUE	
Chr8	108762427	108762530	Chr8.98725	0.00003	TRUE	1	FALSE	0.002503188	TRUE	
Chr8	108800315	108800548	Chr8.99015	0	TRUE	0.17526472	FALSE	1.31E-05	TRUE	
Chr8	108804821	108805052	Chr8.99030	0	TRUE	1	FALSE	0.002007194	TRUE	
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Chr8	109464419	109464929	Chr8.99906	0	TRUE	1	FALSE	1.88E-05	TRUE	
Chr8	109466918	109467031	Chr8.99921	0.00019	FALSE	1	FALSE	0.028833842	TRUE	
Chr8	109708013	109708254	Chr8.100475	0	TRUE	1	FALSE	0.000249914	TRUE	
Chr8	109728537	109728656	Chr8.100542	0	TRUE	1	FALSE	0.001348922	TRUE	
Chr8	109782026	109782037	Chr8.100621	0.00005	FALSE	1	FALSE	0.010592039	TRUE	
Chr8	109833695	109833953	Chr8.100649	0.00031	TRUE	1	FALSE	0.001394088	TRUE	
Chr8	109954449	109954616	Chr8.100939	0.00336	TRUE	1	FALSE	0.017416472	TRUE	
Chr8	110676729	110676939	Chr8.102175	0.00006	TRUE	1	FALSE	0.027390491	TRUE	
Chr8	110876711	110876779	Chr8.102198	0	TRUE	0.007078808	FALSE	0.004341405	TRUE	
Chr8	110702753	110702931	Chr8.102208	0	TRUE	0.009513433	FALSE	0.001317856	TRUE	
Chr8	112268670	112268782	Chr8.104362	0.00041	TRUE	1	FALSE	0.016226845	TRUE	
Chr8	113764154	113764154	Chr8.105807	0.00002	FALSE	0	FALSE	0.005368292	TRUE	
Chr8	115161789	115161961	Chr8.107913	0	TRUE	1	FALSE	5.58E-05	TRUE	
Chr8	115199006	115199781	Chr8.107984	0.00026	TRUE	1	FALSE	0.019786373	TRUE	
Chr8	115982324	115982441	Chr8.109271	0.00124	FALSE	0	FALSE	0.008800745	TRUE	
Chr8	116125052	116125153	Chr8.109491	0.00001	TRUE	1	FALSE	0.001241628	TRUE	
Chr8	120487883	120488047	Chr8.114435	0.00001	TRUE	1	FALSE	0.006107338	TRUE	
Chr8	120902504	120902887	Chr8.114624	0	TRUE	1	FALSE	0.007866431	TRUE	
Chr8	121316047	121316294	Chr8.115376	0.0001	FALSE	0	FALSE	0.023380308	TRUE	
Chr8	121651828	121652159	Chr8.115774	0.00001	TRUE	1	FALSE	0.000807632	TRUE	
Chr8	123040117	123040331	Chr8.117769	0	TRUE	1	FALSE	0.004894326	TRUE	
Chr8	124275480	124275617	Chr8.119377	0.00003	TRUE	1	FALSE	0.005849494	TRUE	
Chr8	125227186	125227451	Chr8.120268	0	TRUE	1	FALSE	0.002753852	TRUE	
Chr8	126838279	126838494	Chr8.121025	0.00001	TRUE	0.099064219	FALSE	0.020915585	TRUE	
Chr8	127533417	127535722	Chr8.122887	0	FALSE	0	FALSE	0.002931068	TRUE	
Chr8	128528677	128528812	Chr8.124461	0.00008	TRUE	1	FALSE	0.006434936	TRUE	
Chr8	7960988	7961242	Chr8.2482	0	TRUE	1	FALSE	5.25E-06	TRUE	
Chr8	13299973	13300136	Chr8.4834	0	TRUE	1	FALSE	0.000113625	TRUE	
Chr8	13470158	13470284	Chr8.4986	0.00006	TRUE	1	FALSE	0.000868574	TRUE	
Chr8	13828291	13828522	Chr8.5645	0.00001	TRUE	1	FALSE	0.020182179	TRUE	
Chr8	14031811	14032197	Chr8.5782	0.00002	TRUE	1	FALSE	0.008961967	TRUE	
Chr8	142153339	14215741	Chr8.5912	0.00007	TRUE	1	FALSE	0.025651026	TRUE	
Chr8	14215921	14216022	Chr8.5920	0	TRUE	0.012374735	FALSE	0.002640557	TRUE	
Chr8	22529241	22529591	Chr8.14077	0	TRUE	0.00270139	FALSE	0.003852286	TRUE	
Chr8	22789555	22789929	Chr8.14417	0.00025	FALSE	1	FALSE	0.014104035	TRUE	
Chr8	22797590	22797857	Chr8.14460	0	TRUE	0.000833507	FALSE	0.017038064	TRUE	
Chr8	23005413	23005551	Chr8.14709	0.00001	TRUE	0.063299292	FALSE	0.016139157	TRUE	mm1696
Chr8	23036392	23036416	Chr8.14848	0.00032	TRUE	1	FALSE	0.010116189	TRUE	
Chr8	23112621	23112624	Chr8.14933	0	TRUE	0.395049647	FALSE	0.00045827	TRUE	
Chr8	27030638	27030742	Chr8.16941	0.00001	TRUE	1	FALSE	1.45E-05	TRUE	
Chr8	2769158	27692929	Chr8.17662	0.00018	TRUE	1	FALSE	0.022616106	TRUE	
Chr8	28048178	28048488	Chr8.18224	0.00008	FALSE	0.00238	FALSE	0.017999672	TRUE	
Chr8	30150284	30150463	Chr8.21107	0.00006	TRUE	1	FALSE	0.00445163	TRUE	
Chr8	30716484	30716639	Chr8.21763	0.0003	TRUE	1	FALSE	0.008632783	TRUE	
Chr8	30944059	30944179	Chr8.22127	0.00001	FALSE	1	FALSE	0.001572805	TRUE	
Chr8	30985751	30986086	Chr8.22261	0	TRUE	1	FALSE	5.26E-05	TRUE	
Chr8	31898619	31899752	Chr8.23273	0.00046	TRUE	1	FALSE	0.01883616	TRUE	
Chr8	32016451	32016610	Chr8.23308	0.00003	TRUE	1	FALSE	0.00127167	TRUE	
Chr8	32506090	32506441	Chr8.23864	0.00005	TRUE	1	FALSE	0.005485016	TRUE	
Chr8	32518781	32518928	Chr8.23989	0.00001	TRUE	1	FALSE	0.006050811	TRUE	
Chr8	32711429	32711539	Chr8.24342	0.01017	TRUE	1	FALSE	0.003837258	TRUE	
Chr8	32782466	32782686	Chr8.24522	0.0020	TRUE	1	FALSE	0.027314516	TRUE	
Chr8	33070303	33070303	Chr8.24813	0	TRUE	1	FALSE	0.003294406	TRUE	
Chr8	33152232	33152533	Chr8.24854	0	TRUE	1	FALSE	0.001022139	TRUE	
Chr8	34238639	34238746	Chr8.25026	0.00069	FALSE	1	FALSE	0.030195222	TRUE	
Chr8	34489428	34489530	Chr8.26027	0	TRUE	0.010009681	FALSE	0.000478812	TRUE	
Chr8	35342563	35342749	Chr8.27576	0	TRUE	0.02110804	FALSE	0.010735808	TRUE	
Chr8	35346545	35346719	Chr8.27585	0	TRUE	0.001437313	FALSE	0.010528837	TRUE	
Chr8	35360201	35362343	Chr8.27606	0.0001	TRUE	1	FALSE	0.024109029	TRUE	
Chr8	35378242	35378353	Chr8.27630	0.00054	TRUE	1	FALSE	0.010226659	TRUE	
Chr8	35443589	35443692	Chr8.27723	0.00022	TRUE	1	FALSE	0.015543426	TRUE	
Chr8	36821471	36821579	Chr8.28323	0.00041	FALSE	1	FALSE	0.017111026	TRUE	
Chr8	37026113	37026268	Chr8.28626	0	TRUE	0.134873662	FALSE	4.78E-06	TRUE	
Chr8	37358966	37359067	Chr8.29038	0.00007	TRUE	1	FALSE	0.001299694	TRUE	
Chr8	37359726	37359866	Chr8.29044	0.00775	FALSE	1	FALSE	0.028164181	TRUE	
Chr8	37401911	37402087	Chr8.29112	0.00367	TRUE	1	FALSE	0.016063606	TRUE	
Chr8	37490441	37490441	Chr8.29389	0.00034	TRUE	1	FALSE	0.001857524	TRUE	
Chr8	41102739	41102887	Chr8.33136	0	TRUE	1	FALSE	0.000802962	TRUE	
Chr8	41498396	41498591	Chr8.33558	0	TRUE	1	FALSE	5.42E-05	TRUE	
Chr8	41533266	41533414	Chr8.33628	0	TRUE	0.191582519	FALSE	0.002971385	TRUE	
Chr8	41542692	41542838	Chr8.33647	0.00173	TRUE	1	FALSE	0.016789672	TRUE	
Chr8	41590153	41590273	Chr8.33749	0.00003	FALSE	0	FALSE	0.007589294	TRUE	
Chr8	41614224	4161								

Chr9	51007932	51008081	Chr9.49353	0.00002	TRUE	1	FALSE	0.006731824	TRUE
Chr9	51735838	51735879	Chr9.50251	0.00002	TRUE	1	FALSE	0.004036736	TRUE
Chr9	51784022	51784111	Chr9.50280	0.00004	TRUE	1	FALSE	0.02565906	TRUE
Chr9	52800618	52800745	Chr9.51247	0.00001	TRUE	1	FALSE	0.003668205	TRUE
Chr9	52941064	52941230	Chr9.51515	0.00002	TRUE	1	FALSE	0.008687526	TRUE
Chr9	55546034	55546194	Chr9.53853	0	TRUE	0	FALSE	0.01017118	TRUE
Chr9	56303214	56303346	Chr9.54529	0	0.021029797	1	FALSE	0.008567374	TRUE
Chr9	56418786	56418962	Chr9.54606	0.00582	TRUE	1	FALSE	0.029544495	TRUE
Chr9	56463595	56463558	Chr9.54639	0.00061	FALSE	1	FALSE	0.025294302	TRUE
Chr9	56492503	56492656	Chr9.54688	0	TRUE	1	FALSE	0.000182838	TRUE
Chr9	57578250	57578408	Chr9.56162	0	TRUE	1	FALSE	0.000452205	TRUE
Chr9	58048945	58049089	Chr9.57124	0.00003	TRUE	1	FALSE	0.00062133	TRUE
Chr9	58090667	58090772	Chr9.57138	0.00006	TRUE	1	FALSE	0.027213986	TRUE
Chr9	58536999	58537104	Chr9.57873	0.00038	TRUE	1	FALSE	0.003977028	TRUE
Chr9	59094198	59094419	Chr9.58566	0	TRUE	1	FALSE	0.002626907	TRUE
Chr9	60982712	60982814	Chr9.60629	0.00001	TRUE	1	FALSE	0.004279024	TRUE
Chr9	62122482	62122635	Chr9.61884	0.00001	TRUE	1	FALSE	0.000208446	TRUE
Chr9	63296993	63297137	Chr9.63207	0	TRUE	1	FALSE	0.000903312	TRUE
Chr9	63305343	63305580	Chr9.63217	0.00007	TRUE	1	FALSE	0.013743564	TRUE
Chr9	63309001	63309241	Chr9.63226	0.00061	TRUE	1	FALSE	0.026547288	TRUE
Chr9	63407251	63407368	Chr9.63429	0.00195	TRUE	1	FALSE	0.030048513	TRUE
Chr9	63568515	63568634	Chr9.63744	0.00033	TRUE	1	FALSE	0.013302725	TRUE
Chr9	63704092	63705058	Chr9.63987	0.00002	TRUE	1	FALSE	0.002866501	TRUE
Chr9	63998235	63998419	Chr9.64277	0.00077	TRUE	1	FALSE	0.008192637	TRUE
Chr9	64458573	64458840	Chr9.64932	0.00009	TRUE	1	FALSE	0.007437387	TRUE
Chr9	65102494	65102673	Chr9.65870	0.00165	TRUE	1	FALSE	0.015785446	TRUE
Chr9	65156671	65156766	Chr9.66060	0	TRUE	0.072850027	FALSE	0.006683233	TRUE
Chr9	65192214	65192351	Chr9.66201	0.00001	TRUE	1	FALSE	0.000354618	TRUE
Chr9	65973343	65973528	Chr9.67458	0.00017	FALSE	1	FALSE	0.02565906	TRUE
Chr9	66697900	66698036	Chr9.68558	0.00002	TRUE	1	FALSE	0.029139233	TRUE
Chr9	67071531	67071682	Chr9.68832	0.00022	TRUE	1	FALSE	0.030168522	TRUE
Chr9	67485244	67485457	Chr9.69398	0.00001	TRUE	1	FALSE	0.002577367	TRUE
Chr9	67573300	67573487	Chr9.69437	0	TRUE	1	FALSE	0.001900216	TRUE
Chr9	67581968	67582077	Chr9.69446	0.00051	TRUE	1	FALSE	0.007584331	TRUE
Chr9	68235028	68235373	Chr9.70227	0	TRUE	1	FALSE	0.007829567	TRUE
Chr9	68771401	68771598	Chr9.70975	0.00001	FALSE	1	FALSE	0.010928196	TRUE
Chr9	68782378	68782479	Chr9.71004	0.00011	TRUE	1	FALSE	0.010665426	TRUE
Chr9	69224115	69224216	Chr9.71891	0.00008	TRUE	1	FALSE	0.012579008	TRUE
Chr9	69292678	69292894	Chr9.72070	0.00009	FALSE	1	FALSE	0.026041029	TRUE
Chr9	69712877	69713002	Chr9.72763	0	TRUE	1	FALSE	0.000219595	TRUE
Chr9	70207490	70207718	Chr9.73406	0.00077	TRUE	1	FALSE	0.018458887	TRUE
Chr9	70848374	70848664	Chr9.74113	0.00001	TRUE	1	FALSE	0.030511951	TRUE
Chr9	71700720	71700978	Chr9.75096	0	TRUE	1	FALSE	6.95E-05	TRUE
Chr9	71835315	71835464	Chr9.75083	0.00004	TRUE	1	FALSE	0.002316119	TRUE
Chr9	72197097	72197373	Chr9.75457	0.00001	TRUE	1	FALSE	0.013462031	TRUE
Chr9	72691668	72692111	Chr9.75854	0	TRUE	1	FALSE	0.012177374	TRUE
Chr9	72692241	72692594	Chr9.75859	0	TRUE	1	FALSE	0.000261742	TRUE
Chr9	72693633	72693767	Chr9.75874	0.00006	TRUE	1	FALSE	0.026418054	TRUE
Chr9	72694041	72694384	Chr9.75982	0.00017	FALSE	1	FALSE	0.016333278	TRUE
Chr9	72787058	72788154	Chr9.76014	0.00004	TRUE	1	FALSE	0.006852417	TRUE
Chr9	72828624	72829210	Chr9.76073	0.00001	TRUE	1	FALSE	0.020456957	TRUE
Chr9	72880290	72880594	Chr9.76172	0	TRUE	1	FALSE	0.00465936	TRUE
Chr9	72881389	72881488	Chr9.76176	0.00001	TRUE	1	FALSE	0.005568907	TRUE
Chr9	75774289	75774552	Chr9.79088	0	TRUE	1	FALSE	0.000105211	TRUE
Chr9	76024619	76024753	Chr9.79357	0.00002	TRUE	1	FALSE	0.001660124	TRUE
Chr9	76029413	76029675	Chr9.79348	0	FALSE	1	FALSE	0.029304926	TRUE
Chr9	77340132	77340520	Chr9.80078	0.00001	TRUE	1	FALSE	0.025335329	TRUE
Chr9	79610477	79610645	Chr9.81775	0.00004	TRUE	1	FALSE	0.010481254	TRUE
Chr9	79809128	79809702	Chr9.82286	0	FALSE	0	FALSE	1.72E-05	TRUE
Chr9	79876212	79876425	Chr9.82427	0.00022	TRUE	1	FALSE	0.006242012	TRUE
Chr9	83325931	83326102	Chr9.84157	0.00001	TRUE	1	FALSE	0.007077663	TRUE
Chr9	87634276	87634483	Chr9.87832	0	TRUE	1	FALSE	0.297E-08	TRUE
Chr9	87738900	87739173	Chr9.88010	0.00006	TRUE	1	FALSE	0.010821381	TRUE
Chr9	89496769	89496938	Chr9.88907	0.00002	TRUE	1	FALSE	0.008742888	TRUE
Chr9	94750469	94750681	Chr9.92588	0	TRUE	1	FALSE	0.001633744	TRUE
Chr9	94940266	94940486	Chr9.92819	0.00001	FALSE	1	FALSE	0.024023071	TRUE
Chr9	96957045	96957233	Chr9.95038	0.00163	TRUE	1	FALSE	0.02822845	TRUE
Chr9	98933112	98933287	Chr9.96835	0.00111	TRUE	1	FALSE	0.023773517	TRUE
Chr9	99479040	99479171	Chr9.97231	0.00001	FALSE	1	FALSE	0.003043007	TRUE
Chr9	103007988	103008042	Chr9.100454	0.00091	TRUE	1	FALSE	0.016930031	TRUE
Chr9	10318157	10318156	Chr9.100627	0.00012	TRUE	1	FALSE	0.020747628	TRUE
Chr9	106318146	106318316	Chr9.104499	0	TRUE	1	FALSE	1.30E-05	TRUE
Chr9	106442886	106443153	Chr9.104747	0	TRUE	1	FALSE	1.86E-05	TRUE
Chr9	106454664	106454693	Chr9.104754	0	TRUE	1	FALSE	9.13E-06	TRUE
Chr9	106454973	106455131	Chr9.104757	0.00009	TRUE	1	FALSE	0.002042224	TRUE
Chr9	106682228	106682413	Chr9.105214	0	TRUE	1	FALSE	0.000385886	TRUE
Chr9	107614596	107614809	Chr9.106969	0.00003	TRUE	1	FALSE	0.003127524	TRUE
Chr9	107651133	107651234	Chr9.107008	0	TRUE	1	FALSE	0.000703055	TRUE
Chr9	108657600	108657974	Chr9.110898	0.0001	FALSE	0	FALSE	0.001602692	TRUE
Chr9	110116942	110117448	Chr9.112239	0.00134	TRUE	1	FALSE	0.003171482	TRUE
Chr9	110757861	110758120	Chr9.113470	0	TRUE	1	FALSE	0.000313895	TRUE
Chr9	116236362	116236681	Chr9.118482	0	TRUE	0.420298919	FALSE	0.003155591	TRUE
Chr9	116807390	116807608	Chr9.118948	0.00001	TRUE	1	FALSE	0.008185557	TRUE
Chr9	117031164	117031601	Chr9.119094	0	TRUE	1	FALSE	0.021156646	TRUE
Chr9	117394224	117394451	Chr9.119548	0.00003	TRUE	1	FALSE	0.002172446	TRUE
Chr9	117789418	117789621	Chr9.119895	0.00002	FALSE	1	FALSE	0.023110096	TRUE
Chr9	118278857	118278968	Chr9.120305	0	TRUE	1	FALSE	0.0002085	TRUE
Chr9	118341698	118341991	Chr9.120356	0	TRUE	0.000819908	FALSE	3.07E-08	TRUE
Chr9	120653433	120653563	Chr9.123872	0.00001	FALSE	1	FALSE	0.004807919	TRUE
Chr9	122085818	122085996	Chr9.125533	0	TRUE	0.000991461	FALSE	0.015570474	TRUE
Chr9	122199125	122199260	Chr9.125641	0	TRUE	1	FALSE	0.000399356	TRUE
Chr10	84722734	84723027	Chr10.74389	0	TRUE	0.000404941	TRUE	0.002103178	TRUE
Chr12	9306863	93069118	Chr12.6879	0	TRUE	1	FALSE	1.19E-08	TRUE
Chr12	10241237	10241555	Chr12.7810	0	TRUE	0.000712732	TRUE	3.76E-07	TRUE
Chr12	12509183	12509641	Chr12.9428	0	TRUE	2.52E-09	TRUE	6.34E-07	TRUE
Chr12	16046346	16046543	Chr12.11780	0	TRUE	5.38E-05	TRUE	0.00054465	TRUE
Chr12	34215687	34216352	Chr12.21284	0	TRUE	4.56E-05	TRUE	0.02478604	TRUE
Chr12	34372389	34372839	Chr12.21496	0	TRUE	1.18E-05	TRUE	0.022032565	TRUE
Chr12	35240450	35250541	Chr12.23002	0	TRUE	0.000416245	TRUE	0.005195906	TRUE
Chr12	36262283	36262779	Chr12.23338	0	TRUE	0.000257623	TRUE	4.02E-10	TRUE
Chr13	15570943	15571571	Chr13.7352	0	TRUE	5.22E-07	TRUE	1.43E-06	TRUE
Chr13	1706268	1706824	Chr13.9109	0	TRUE	1.06E-05	TRUE	0.0017617	TRUE
Chr13	49504788	49505088	Chr13.373308	0	TRUE	1.05E-08	TRUE	1.58E-06	TRUE
Chr13	49682345	49682864	Chr13.37434	0	TRUE	9.45E-11	TRUE	7.33E-06	TRUE
Chr14	27351674	27352022	Chr14.21048	0	TRUE	0.000104768	TRUE	1.86E-05	TRUE
Chr14	27402110	27402237	Chr14.21172	0	TRUE	9.00E-05	TRUE	0.000380849	TRUE
Chr14	28202319	28202775	Chr14.22452	0	TRUE	0.000450283	TRUE	0.00053757	TRUE
Chr14	28295088	28295328	Chr14.22673	0	TRUE	4.61E-05	TRUE	0.000303733	TRUE
Chr14	28410010	28410768	Chr14.22975	0	TRUE	0.000162445	TRUE	0.001980794	TRUE
Chr14	30365946	30366141	Chr14.26113	0	TRUE	0.000435158	TRUE	0.001397076	TRUE
Chr14	54666625	54666947	Chr14.46051	0	TRUE	0.000320024	TRUE	0.020965497	TRUE
Chr14	64810581	64810706	Chr14.56201	0	TRUE	0.000115594	TRUE	0.000144905	TRUE
Chr14	21356459	21356515	Chr16.18123	0	TRUE	0.000257623	TRUE	0.010889653	TRUE
Chr16	24712277	24712603	Chr16.21581	0	TRUE	2.56E-05	TRUE	5.05E-06	TRUE
Chr16	24969062	24961291	Chr16.21958	0	TRUE	0.000639848	TRUE	0.000253644	TRUE
Chr16	25445177	25445376	Chr16.22432	0	TRUE	0.000305621	TRUE	0.000698516	TRUE
Chr16	29893010	29893358	Chr16.25833	0	TRUE	6.93E-05	TRUE	0.008105369	TRUE
Chr16	31695625	31695956	Chr16.27199	0	TRUE	8.24E-05	TRUE	0.022789882	TRUE
Chr16	36411958	36421135	Chr16.595	0	TRUE	0.000170012	TRUE	0.000223181	TRUE
Chr19	7091802	7091934	Chr19.9533	0	TRUE	7.37E-05	TRUE	0.00029432	TRUE
Chr19	7135069</								

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Chr1	11033314	11033541	Chr1:3163	0.00288	TRUE	1	FALSE	0.206007773	FALSE
Chr1	11033686	11033855	Chr1:3169	0.00432	TRUE	1	FALSE	0.190815302	FALSE
Chr1	11759511	11759773	Chr1:3504	0.00652	TRUE	1	FALSE	0.166740134	FALSE
Chr1	12193140	12193247	Chr1:3751	0.00552	TRUE	1	FALSE	0.037267376	FALSE
Chr1	12577016	12577248	Chr1:3979	0.00432	FALSE	1	FALSE	0.318775953	FALSE
Chr1	12694361	12694465	Chr1:4117	0.01957	TRUE	1	FALSE	0.423414283	FALSE
Chr1	12744620	12745047	Chr1:4212	0.00006	TRUE	0.698863643	FALSE	0.087528998	FALSE
Chr1	12796602	12796017	Chr1:4281	0.0004	FALSE	1	FALSE	0.042662213	FALSE
Chr1	13196748	13196878	Chr1:4886	0.00019	TRUE	0.111383392	FALSE	0.265589965	FALSE
Chr1	13197002	13197362	Chr1:4888	0.00009	TRUE	1	FALSE	0.102974609	FALSE
Chr1	13366780	13366886	Chr1:5046	0.01525	TRUE	0.155685055	FALSE	0.368859008	FALSE
Chr1	13377154	13377184	Chr1:5060	0.00203	TRUE	1	FALSE	0.103369153	FALSE
Chr1	13427945	13428246	Chr1:5106	0.00002	TRUE	1	FALSE	0.033751413	FALSE
Chr1	13807957	13808256	Chr1:5326	0.00147	TRUE	0.026969039	FALSE	0.408246662	FALSE
Chr1	13846866	13846904	Chr1:5330	0.00371	TRUE	0.204765625	FALSE	0.50393126	FALSE
Chr1	13855359	13855482	Chr1:5359	0.00107	TRUE	0.534072845	FALSE	0.052779184	FALSE
Chr1	13860923	13861642	Chr1:5379	0.00389	TRUE	1	FALSE	0.749081836	FALSE
Chr1	13892229	13892520	Chr1:5459	0.02689	TRUE	1	FALSE	0.985340784	FALSE
Chr1	14108990	14109184	Chr1:5614	0.01278	TRUE	1	FALSE	0.473170385	FALSE
Chr1	14150835	14151034	Chr1:5674	0.00452	TRUE	0.134614333	FALSE	0.936891797	FALSE
Chr1	14180315	14180787	Chr1:5714	0.00323	TRUE	1	FALSE	0.545538009	FALSE
Chr1	14185848	14186267	Chr1:5733	0.00053	TRUE	1	FALSE	0.147782077	FALSE
Chr1	14207663	14207774	Chr1:5767	0.02841	TRUE	1	FALSE	0.636927444	FALSE
Chr1	14304332	14304813	Chr1:5881	0.00004	TRUE	1	FALSE	0.155617115	FALSE
Chr1	14311262	14311486	Chr1:5930	0.00025	TRUE	1	FALSE	0.094355547	FALSE
Chr1	14314014	14314137	Chr1:5951	0.00034	TRUE	1	FALSE	0.046264194	FALSE
Chr1	14315169	14315268	Chr1:5955	0.00083	TRUE	1	FALSE	0.097468472	FALSE
Chr1	14505837	14505874	Chr1:6142	0.00059	FALSE	1	FALSE	0.033811609	FALSE
Chr1	14570104	14570835	Chr1:6240	0.00024	TRUE	1	FALSE	0.538145139	FALSE
Chr1	15358540	15358866	Chr1:6929	0.00139	TRUE	0.329773981	FALSE	0.201148361	FALSE
Chr1	16108278	16108460	Chr1:7566	0.00656	TRUE	1	FALSE	0.248198416	FALSE
Chr1	16249681	16249813	Chr1:7750	0.00215	TRUE	1	FALSE	0.130339194	FALSE
Chr1	18634939	18640118	Chr1:9268	0.00002	TRUE	1	FALSE	0.128890921	FALSE
Chr1	19216600	19217012	Chr1:9722	0.00228	TRUE	0.236664492	FALSE	0.248198416	FALSE
Chr1	19851244	19851547	Chr1:10583	0.00567	FALSE	1	FALSE	0.178865326	FALSE
Chr1	20135104	20135320	Chr1:10773	0.01855	TRUE	1	FALSE	0.169620784	FALSE
Chr1	20478413	20478571	Chr1:11231	0.00873	TRUE	1	FALSE	0.038863372	FALSE
Chr1	21052674	21052886	Chr1:11905	0.00024	FALSE	1	FALSE	0.102557824	FALSE
Chr1	21074137	21074484	Chr1:11933	0.00405	TRUE	1	FALSE	0.943174857	FALSE
Chr1	21086633	21086882	Chr1:11953	0.00648	TRUE	0.264821047	FALSE	0.300660052	FALSE
Chr1	21521703	21521919	Chr1:12220	0.00072	TRUE	1	FALSE	0.034443842	FALSE
Chr1	23207081	23207788	Chr1:13372	0.00163	TRUE	1	FALSE	0.071421314	FALSE
Chr1	23271428	23271689	Chr1:13401	0.00629	TRUE	1	FALSE	0.086972901	FALSE
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Chr1	25627215	25627406	Chr1:15757	0.00937	TRUE	1	FALSE	0.532834602	FALSE
Chr1	30017815	30018086	Chr1:16695	0.01557	TRUE	1	FALSE	0.733364617	FALSE
Chr1	30536537	30536787	Chr1:16939	0.00023	TRUE	1	FALSE	0.060021516	FALSE
Chr1	34005390	34005551	Chr1:18896	0.00986	FALSE	1	FALSE	0.128104592	FALSE
Chr1	34005708	34005850	Chr1:18890	0.02097	TRUE	1	FALSE	0.443107921	FALSE
Chr1	34021713	34021924	Chr1:18941	0.02587	TRUE	1	FALSE	0.559739701	FALSE
Chr1	34389458	34390006	Chr1:18844	0.00273	TRUE	1	FALSE	0.444242434	FALSE
Chr1	36500057	36501079	Chr1:21073	0.00876	TRUE	0.08076	FALSE	0.38974508	FALSE
Chr1	38247960	38248383	Chr1:22689	0.01677	TRUE	1	FALSE	0.509301202	FALSE
Chr1	38438672	38438781	Chr1:22933	0.00018	TRUE	0.504193616	FALSE	0.05755945	FALSE
Chr1	38503051	38503272	Chr1:23033	0.00238	FALSE	0.375870706	FALSE	0.721953608	FALSE
Chr1	38629038	38629535	Chr1:23272	0.01166	TRUE	1	FALSE	0.413061527	FALSE
Chr1	39312036	39312189	Chr1:23705	0.01406	TRUE	1	FALSE	0.191177489	FALSE
Chr1	39324079	39325079	Chr1:23739	0.02349	FALSE	1	FALSE	0.23897258	FALSE
Chr1	39730897	39731006	Chr1:24137	0.00316	TRUE	1	FALSE	0.033013098	FALSE
Chr1	39947834	39948143	Chr1:24225	0.00902	TRUE	1	FALSE	0.553094711	FALSE
Chr1	40959226	40959486	Chr1:25111	0.01021	TRUE	1	FALSE	0.290892973	FALSE
Chr1	41034132	41035034	Chr1:25213	0.00581	TRUE	1	FALSE	0.70862398	FALSE
Chr1	41035925	41036060	Chr1:25229	0.00239	TRUE	1	FALSE	0.034158278	FALSE
Chr1	41037650	41037774	Chr1:25237	0.00677	TRUE	1	FALSE	0.096903983	FALSE
Chr1	41128254	41128397	Chr1:25325	0.00013	TRUE	1	FALSE	0.105452053	FALSE
Chr1	41273210	41273345	Chr1:25518	0.01186	TRUE	0.107179099	FALSE	0.789769854	FALSE
Chr1	41309096	41309083	Chr1:25625	0.00013	TRUE	0.075163702	FALSE	0.549891846	FALSE
Chr1	41652804	41653036	Chr1:25840	0.01535	FALSE	1	FALSE	0.125015247	FALSE
Chr1	41742817	41742929	Chr1:25907	0.01241	TRUE	1	FALSE	0.049617335	FALSE
Chr1	41742963	41743816	Chr1:25909	0.00646	TRUE	1	FALSE	0.960466424	FALSE
Chr1	41885229	41885476	Chr1:26056	0.01833	TRUE	1	FALSE	0.365106822	FALSE
Chr1	41891664	41892008	Chr1:26115	0.00057	TRUE	1	FALSE	0.136421874	FALSE
Chr1	41960431	41960736	Chr1:26198	0.00131	TRUE	1	FALSE	0.188314036	FALSE
Chr1	42026714	42026822	Chr1:26241	0.01885	TRUE	1	FALSE	0.228134052	FALSE
Chr1	42208598	42208844	Chr1:26439	0.00059	FALSE	0.4692714	FALSE	0.04907214	FALSE
Chr1	42242582	42243247	Chr1:26509	0.02675	TRUE	1	FALSE	0.635239958	FALSE
Chr1	42262381	42262592	Chr1:26555	0.00002	TRUE	0.515504987	FALSE	0.060031622	FALSE
Chr1	42265842	42266014	Chr1:26601	0.00059	FALSE	1	FALSE	0.131418901	FALSE
Chr1	42296077	42296178	Chr1:26605	0.00974	TRUE	0.705045279	FALSE	0.574241225	FALSE
Chr1	42264840	42266688	Chr1:26610	0.01688	TRUE	1	FALSE	0.31063891	FALSE
Chr1	42490596	42491096	Chr1:26845	0.00496	TRUE	1	FALSE	0.063757716	FALSE
Chr1	42504472	42504623	Chr1:26885	0.00013	FALSE	1	FALSE	0.04043368	FALSE
Chr1	42675001	42675126	Chr1:27102	0.00376	TRUE	1	FALSE	0.224583137	FALSE
Chr1	42689423	42689595	Chr1:27153	0.01385	TRUE	1	FALSE	0.777002778	FALSE
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Chr1	42694960	42695085	Chr1:27194	0.0034	TRUE	1	FALSE	0.091412803	FALSE
Chr1	42696178	42696463	Chr1:27200	0.01163	TRUE	1	FALSE	0.335391439	FALSE
Chr1	42702108	42702327	Chr1:27232	0.00311	FALSE	1	FALSE	0.261234433	FALSE
Chr1	42703653	42704015	Chr1:27239	0.00089	TRUE	1	FALSE	0.168267511	FALSE
Chr1	42775137	42775508	Chr1:27376	0.00244	TRUE	1	FALSE	0.190885888	FALSE
Chr1	43006177	43006368	Chr1:27538	0.00318	TRUE	1	FALSE	0.119721251	FALSE
Chr1	43300780	43300967	Chr1:27638	0.00275	TRUE	1	FALSE	0.275103112	FALSE
Chr1	45043278	45043622	Chr1:28475	0.00464	TRUE	1	FALSE	0.312763037	FALSE
Chr1	45276253	45276382	Chr1:28521	0.00218	TRUE	1	FALSE	0.326276267	FALSE
Chr1	45296312	45296495	Chr1:28530	0.00316	FALSE	1	FALSE	0.202732595	FALSE
Chr1	45315987	45316102	Chr1:28570	0.00004	TRUE	0.056566729	FALSE	0.05610254	FALSE
Chr1	45492250	45492524	Chr1:28981	0.00795	TRUE	1	FALSE	0.093175707	FALSE
Chr1	45628620	45627039	Chr1:29847	0.00434	FALSE	1	FALSE	0.51693267	FALSE
Chr1	45675834	45676222	Chr1:29063	0.00454	TRUE	1	FALSE	0.484193407	FALSE
Chr1	45761288	45761381	Chr1:29077	0.00004	TRUE	1	FALSE	0.039687276	FALSE
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Chr1	50652201	50653407	Chr1:31118	0.00005	FALSE	0.213684549	FALSE	0.067510308	FALSE
Chr1	51267168	51267533	Chr1:31996	0.0003	TRUE	1	FALSE	0.096139471	FALSE
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Chr1	51697227	51697582	Chr1:32565	0.008	TRUE	1	FALSE	0.262990205	FALSE
Chr1	51997334	51997439	Chr1:32975	0.00343	TRUE	1	FALSE	0.039114675	FALSE
Chr1	52471060	52471245	Chr1:33491	0.01075	TRUE	1	FALSE	0.258198779	FALSE
Chr1	53094939	53096714	Chr1:33540	0.00045	FALSE	1	FALSE	0.055550128	FALSE
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Chr1	55196776	55196971	Chr1:35867	0.00451	TRUE	1	FALSE	0.269774586	FALSE
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Chr1	56359033	56359615	Chr1:37146	0.00214	FALSE	1	FALSE	0.139442453	FALSE
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Chr1	56973929	56974076	Chr1:38067	0.00305	FALSE	1	FALSE	0.045140824	FALSE
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Chr1	62860600	62861135	Chr1.47332	0.00592	TRUE	1	FALSE	0.094836542	FALSE
Chr1	64069559	64069601	Chr1.48810	0.00161	TRUE	1	FALSE	0.087759813	FALSE
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Chr1	64802743	64802913	Chr1.49872	0.0173	TRUE	1	FALSE	0.253187801	FALSE
Chr1	64854007	64854156	Chr1.49987	0.02257	TRUE	1	FALSE	0.076667777	FALSE
Chr1	64859347	64859275	Chr1.50049	0.00332	TRUE	1	FALSE	0.059740564	FALSE
Chr1	66221571	66221839	Chr1.50774	0.00137	TRUE	1	FALSE	0.081974592	FALSE
Chr1	66402058	66402185	Chr1.50996	0.00011	TRUE	1	FALSE	0.051318786	FALSE
Chr1	66934231	66934421	Chr1.51815	0.00663	FALSE	1	FALSE	0.374122227	FALSE
Chr1	67049332	67049547	Chr1.52011	0.0119	TRUE	1	FALSE	0.670385113	FALSE
Chr1	68049829	68050193	Chr1.53076	0.00992	TRUE	1	FALSE	0.193168307	FALSE
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Chr1	71653288	71653444	Chr1.57500	0.0242	TRUE	1	FALSE	0.060231188	FALSE
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Chr1	72005586	72005688	Chr1.57954	0.0228	TRUE	1	FALSE	0.50413178	FALSE
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Chr1	74542579	74542722	Chr1.61330	0.0263	TRUE	1	FALSE	0.201213982	FALSE
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Chr1	10								

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Chr10	9603731	9603882	Chr10.5990	0.01128	TRUE	1	FALSE	0.209232907	FALSE
Chr10	9582431	9582441	Chr10.6115	0.0201	FALSE	0.943683626	FALSE	0.5526293	FALSE
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Chr10	21991657	21991816	Chr10.17335	0.02392	TRUE	1	FALSE	0.140897275	FALSE
Chr10	22728319	22728542	Chr10.17520	0.00885	TRUE	1	FALSE	0.287022558	FALSE
Chr10	23268135	23268518	Chr10.17739	0.00385	FALSE	1	FALSE	0.192655540	FALSE
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Chr10	23162779	23163090	Chr10.17977	0.00436	TRUE	1	FALSE	0.268132543	FALSE
Chr10	23332881	23333290	Chr10.18157	0.00073	TRUE	1	FALSE	0.25814257	FALSE
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Chr10	23372341	23372663	Chr10.18230	0.00096	TRUE	1	FALSE	0.133433187	FALSE
Chr10	23394202	23394501	Chr10.18264	0.01213	TRUE	1	FALSE	0.307559509	FALSE
Chr10	23401626	23402347	Chr10.18275	0.00345	FALSE	1	FALSE	0.304476002	FALSE
Chr10	23449228	23449806	Chr10.18343	0.00091					

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Chr10	69046051	69046313								

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Chr10	120246596	120247080	Chr10.107457	0.00987	FALSE	1	FALSE	0.68644147	FALSE	
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Chr10	120418332	120418514	Chr10.107809	0.00422	FALSE	1	FALSE	0.061227733	FALSE	
Chr10	120419273	120419489	Chr10.107815	0.00543	FALSE	1	FALSE	0.12510285	FALSE	
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Chr10	125785755	125786004								

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Chr11	18749429	18749582	Chr11.10151	0.0001	TRUE		FALSE	0.03971202	FALSE
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Chr11	24341361	24341509	Chr11.16833	0.02369	TRUE		FALSE	0.214730316	FALSE
Chr11	24342063	24342061	Chr11.16842	0.00009	TRUE		FALSE	0.034220078	FALSE
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Chr11	25104508	25104658	Chr11.18121	0.02391	TRUE	0.062199841	FALSE	0.749433373	FALSE
Chr11	25124382	25124654	Chr11.18144	0.00001	TRUE		FALSE	0.050407757	FALSE
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Chr11	32453337	32453748	Chr11.24860	0.00167	TRUE		FALSE	0.01168853	FALSE
Chr11	32642433	32642533	Chr11.25045	0.00906	TRUE		FALSE	0.062196616	FALSE
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Chr11	35505035	35505538	Chr11.28320	0.02592	TRUE		FALSE	0.715685298	FALSE
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Chr11	36302669	36303026	Chr11.29916	0.00016	TRUE	0.017697416	FALSE	0.074179028	FALSE
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Chr11	45168683	45167208	Chr11.40601	0.02079					

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Chr11	60320623	60320776	Chr11:56907	0.02306	TRUE	1	FALSE	0.39197084	FALSE	
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Chr11	69366469	69366578	Chr11:68332	0.00267	TRUE	1	FALSE	0.076270206	FALSE	
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Chr11	69370383	69370783	Chr11:68336	0.00002	TRUE	1	FALSE	0.085155949	FALSE	
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Chr11	70606626	70606801	Chr11:71917	0.01191	TRUE	1	FALSE	0.400671133	FALSE	
Chr11	70657573	70657773	Chr11:72179	0.05507	TRUE	1	FALSE	0.036145946	FALSE	
Chr11	70669749	70669893	Chr11:72256	0.02183	TRUE	0.239686639	FALSE	0.394025322	FALSE	
Chr11	74652794	74653059	Chr11:77053	0.00225	TRUE	1	FALSE	0.119964831	FALSE	
Chr11	74653489	74653666	Chr11:77062	0.02049	TRUE	1	FALSE	0.133198005	FALSE	
Chr11	74670692	74670874	Chr11:77231	0.00367	TRUE	0.044001917	FALSE	0.238206314	FALSE	
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Chr11	74904044	74904084	Chr11:77776	0.00114	FALSE	1	FALSE	0.178774627	FALSE	
Chr11	74902468	74903138	Chr11:77789	0.00062	TRUE	1	FALSE	0.136544402	FALSE	
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Chr11	75162812	75162890	Chr11:78214	0.00655	FALSE	1	FALSE	0.064802345	FALSE	
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Chr11	82646125	82646262	Chr11:89745	0.01748	FALSE	1	FALSE	0.356241135	FALSE	
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Chr11	88472644	88472879	Chr11.98425	0.00308	TRUE	1	FALSE	0.44183651	FALSE
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Chr11	102985658	102986728	Chr11.124347	0.00328	TRUE	1	FALSE	0.053619825	FALSE
Chr11	102921831	102922110	Chr11.124448	0.00335	TRUE	1	FALSE	0.260607543	FALSE
Chr11	102957053	102957236	Chr11.124514	0.00176	FALSE	0.00176	FALSE	0.065884646	FALSE
Chr11	103115587	103115587	Chr11.124830	0.00309	TRUE	1	FALSE	0.12693707	FALSE
Chr11	103142610	103142613	Chr11.124900	0.00073	TRUE	0.268555387	FALSE	0.043977409	FALSE
Chr11	103235805	103235936	Chr11.125151	0.00471	FALSE	0.4863737	FALSE	0.18478181	FALSE
Chr11	103344324	103344733	Chr11.125324	0.01047	TRUE	1	FALSE	0.157853653	FALSE
Chr11	103755502	103755852	Chr11.125642	0.0006	TRUE	1	FALSE	0.036521377	

Chr11	11226251	112264387	Chr11.136387	0.00099	TRUE	1	FALSE	0.189952759	FALSE	
Chr11	112401658	112401758	Chr11.136607	0.00069	TRUE	1	FALSE	0.128310206	FALSE	
Chr11	112501750	112502244	Chr11.138729	0.00063	TRUE	1	FALSE	0.42254048	FALSE	
Chr11	112507083	112507217	Chr11.138742	0.00166	TRUE	1	FALSE	0.056637383	FALSE	
Chr11	112530329	112530833	Chr11.138777	0.00008	TRUE	1	FALSE	0.084308365	FALSE	
Chr11	112538109	112538361	Chr11.138801	0.00032	TRUE	1	FALSE	0.412785022	FALSE	
Chr11	112542709	112542819	Chr11.138829	0.01066	TRUE	0.12827594	FALSE	0.405236013	FALSE	
Chr11	112543104	112543208	Chr11.138831	0.00983	TRUE	1	FALSE	0.057966782	FALSE	
Chr11	112580502	112850855	Chr11.137381	0.00251	FALSE	1	FALSE	0.923253418	FALSE	
Chr11	113148106	114314809	Chr11.137804	0.02197	TRUE	1	FALSE	0.058093377	FALSE	
Chr11	114062527	114062890	Chr11.138851	0.00021	TRUE	1	FALSE	0.034649988	FALSE	
Chr11	114176584	114176701	Chr11.138835	0.01176	TRUE	1	FALSE	0.176746798	FALSE	
Chr11	114294240	114294467	Chr11.139040	0.00207	TRUE	1	FALSE	0.407738212	FALSE	
Chr11	115206951	115207052	Chr11.140041	0.011	TRUE	1	FALSE	0.123009708	FALSE	
Chr11	115225631	115225748	Chr11.140075	0.00092	FALSE	0.77777043	FALSE	0.078173259	FALSE	
Chr11	115401087	115401199	Chr11.140223	0.01538	TRUE	1	FALSE	0.190818021	FALSE	
Chr11	115737994	115738089	Chr11.141276	0.00569	TRUE	1	FALSE	0.256503011	FALSE	
Chr11	115777645	115777748	Chr11.141306	0.00342	TRUE	1	FALSE	0.051921266	FALSE	
Chr11	115945477	115945582	Chr11.142326	0.00086	FALSE	0.027257893	FALSE	0.428182973	FALSE	
Chr11	116060106	116060267	Chr11.142658	0.00611	TRUE	0.38462118	FALSE	0.562401764	FALSE	
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Chr11	117394338	117394482	Chr11.145092	0.02362	TRUE	1	FALSE	0.385081907	FALSE	
Chr11	117491046	117492080	Chr11.145169	0.01128	TRUE	1	FALSE	0.284630763	FALSE	
Chr11	117492221	117492346	Chr11.145171	0.00086	TRUE	0.040094344	FALSE	0.144041152	FALSE	
Chr11	117932379	117932502	Chr11.145758	0.01656	TRUE	0.575197878	FALSE	0.410772058	FALSE	
Chr11	117995378	117995502	Chr11.145832	0.02142	TRUE	1	FALSE	0.289104943	FALSE	
Chr11	118240593	118240700	Chr11.146662	0.00076	FALSE	0.000000000	FALSE	0.047818309	FALSE	mm1622
Chr11	118324626	118324737	Chr11.146818	0.00389	TRUE	1	FALSE	0.068881366	FALSE	
Chr11	119082991	119083138	Chr11.147660	0.02038	TRUE	1	FALSE	0.172767458	FALSE	
Chr11	119084798	119084808	Chr11.147674	0.02592	TRUE	1	FALSE	0.183476202	FALSE	
Chr11	119514058	119514241	Chr11.149040	0.00491	FALSE	0.00491	FALSE	0.1144202945	FALSE	
Chr11	120625997	120626113	Chr11.151033	0.00693	TRUE	1	FALSE	0.103241818	FALSE	
Chr11	120631306	120631451	Chr11.151068	0.00184	TRUE	1	FALSE	0.043216431	FALSE	
Chr12	3308475	3308579	Chr12.548	0.00776	FALSE	0.00776	FALSE	0.367253845	FALSE	
Chr12	3887411	3887880	Chr12.548	0.00211	TRUE	1	FALSE	0.039642138	FALSE	
Chr12	4247889	4248314	Chr12.1103	0.00344	TRUE	1	FALSE	0.507495438	FALSE	
Chr12	4509855	4510048	Chr12.1319	0.00225	FALSE	0.00225	FALSE	0.100597971	FALSE	
Chr12	4523210	4523569	Chr12.1327	0.00131	TRUE	1	FALSE	0.031441821	FALSE	
Chr12	4523755	4524126	Chr12.1328	0.00078	TRUE	1	FALSE	0.109606454	FALSE	
Chr12	7465107	7465356	Chr12.4398	0.00003	TRUE	0.00003	FALSE	0.041417489	FALSE	
Chr12	8300726	8300843	Chr12.5747	0.00095	FALSE	0.222227873	FALSE	0.425380228	FALSE	
Chr12	8954347	8954618	Chr12.6244	0.00016	TRUE	1	FALSE	0.0448974	FALSE	
Chr12	9191631	9191865	Chr12.6819	0.00022	TRUE	0.382237626	FALSE	0.089027992	FALSE	
Chr12	9338373	9338594	Chr12.6814	0.00015	FALSE	0.00015	FALSE	0.288814208	FALSE	hs1273
Chr12	9340478	9341021	Chr12.6827	0.00023	TRUE	0.002993444	FALSE	0.222198321	FALSE	
Chr12	9439020	9439135	Chr12.6920	0.00282	TRUE	0.192075892	FALSE	0.080070501	FALSE	
Chr12	9439169	9439330	Chr12.6922	0.02612	TRUE	1	FALSE	0.349655701	FALSE	
Chr12	9519255	9519375	Chr12.7010	0.00006	TRUE	0.377111806	FALSE	0.038882064	FALSE	
Chr12	9565133	9565275	Chr12.7058	0.02414	TRUE	0.049458712	FALSE	0.170365847	FALSE	
Chr12	9612979	9613346	Chr12.7146	0.01925	TRUE	1	FALSE	0.248043457	FALSE	
Chr12	10056990	1005844	Chr12.7549	0.00019	TRUE	0.339461503	FALSE	0.460888148	FALSE	
Chr12	10231860	10232060	Chr12.7798	0.00015	TRUE	0.263616044	FALSE	0.033085052	FALSE	
Chr12	10461420	10461685	Chr12.8128	0.01181	TRUE	1	FALSE	0.071765718	FALSE	
Chr12	12581390	12581408	Chr12.9477	0.00015	FALSE	0.00015	FALSE	0.041591546	FALSE	
Chr12	12676585	12677069	Chr12.9574	0.00006	TRUE	0.010421005	FALSE	0.154227941	FALSE	
Chr12	12710344	12710533	Chr12.9613	0.00099	TRUE	1	FALSE	0.089238046	FALSE	mm1310
Chr12	12723198	12723373	Chr12.9623	0.00003	TRUE	0.010802452	FALSE	0.073015281	FALSE	
Chr12	12877679	12877955	Chr12.9755	0.00333	TRUE	1	FALSE	0.330330944	FALSE	
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Chr12	13043620	13044135	Chr12.9889	0.00161	TRUE	0.041358919	FALSE	0.582147129	FALSE	
Chr12	13145022	13146030	Chr12.9982	0.00064	TRUE	0.198146842	FALSE	0.06008894	FALSE	
Chr12	15617165	15617689	Chr12.11418	0.00073	TRUE	0.10704088	FALSE	0.108935682	FALSE	
Chr12	15832723	15832928	Chr12.11635	0.00017	TRUE	0.01353932	FALSE	0.244353804	FALSE	
Chr12	15937833	15937941	Chr12.11693	0.00046	FALSE	0.185826167	FALSE	0.064122875	FALSE	
Chr12	16151242	16151738	Chr12.11827	0.00291	TRUE	0.143624025	FALSE	0.138111007	FALSE	
Chr12	17444531	17444704	Chr12.13038	0.01819	TRUE	1	FALSE	0.34734923	FALSE	
Chr12	17693980	17693192	Chr12.13198	0.00018	FALSE	0.00018	FALSE	0.092944787	FALSE	
Chr12	17762577	17762776	Chr12.13151	0.02221	TRUE	1	FALSE	0.132197522	FALSE	
Chr12	24537904	24538175	Chr12.13909	0.00037	TRUE	0.159747262	FALSE	0.229462009	FALSE	
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Chr12	25034196	25034297	Chr12.14376	0.00765	TRUE	1	FALSE	0.187899092	FALSE	
Chr12	25124021	25124141	Chr12.14565	0.01345	TRUE	1	FALSE	0.241776161	FALSE	hs1527
Chr12	25235574	25235815	Chr12.14654	0.01177	FALSE	0.01177	FALSE	0.438907062	FALSE	
Chr12	26533390	26533506	Chr12.15787	0.01267	TRUE	1	FALSE	0.211875584	FALSE	
Chr12	26831170	26831288	Chr12.15874	0.01705	TRUE	0.549398087	FALSE	0.488460345	FALSE	
Chr12	26853822	26853958	Chr12.15888	0.02134	FALSE	0.02134	FALSE	0.458484036	FALSE	
Chr12	26734243	26734373	Chr12.15930	0.00097	TRUE	1	FALSE	0.09511212	FALSE	
Chr12	27018057	27018206	Chr12.16152	0.01987	TRUE	1	FALSE	0.209044578	FALSE	
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Chr12	27335897	27336165	Chr12.16384	0.01836	FALSE	0.01836	FALSE	0.795171676	FALSE	
Chr12	27564283	27564424	Chr12.16560	0.00128	TRUE	1	FALSE	0.343119819	FALSE	hs1496
Chr12	27932920	27933029	Chr12.16703	0.00025	TRUE	0.682022748	FALSE	0.14501117	FALSE	
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Chr12	32059870	32060077	Chr12.19327	0.01501	TRUE	1	FALSE	0.096035401	FALSE	
Chr12	32826538	32826761	Chr12.19734	0.00915	FALSE	0.622202554	FALSE	0.325666036	FALSE	
Chr12	33162007	33162094	Chr12.20035	0.00118	TRUE	1	FALSE	0.326825108	FALSE	
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Chr12	33245572	33245677	Chr12.20129	0.02237	TRUE	1	FALSE	0.413676679	FALSE	
Chr12	33303316	33303458	Chr12.20162	0.00586	FALSE	0.00586	FALSE	0.776282195	FALSE	
Chr12	33344817	33344944	Chr12.20261	0.01731	TRUE	1	FALSE	0.595790258	FALSE	
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Chr12	33956879	33960034	Chr12.20872	0.00015	TRUE	1	FALSE	0.280658442	FALSE	
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Chr12	34147041	34147262	Chr12.21171	0.00018	TRUE	0.235738348	FALSE	0.038900108	FALSE	
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Chr12	34182770	34183123	Chr12.21223	0.02102	TRUE	1	FALSE	0.977610554	FALSE	
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Chr12	34199604	34199792	Chr12.21255	0.00303	TRUE	0.073415202	FALSE	0.20139608	FALSE	hs644
Chr12	34204010	34204381	Chr12.21270	0.00189	TRUE	0.02539188	FALSE	0.622681436	FALSE	
Chr12	34218907	34219181	Chr12.21291	0.00205	FALSE	0.00205	FALSE	0.141882		

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Chr12	53812383	53812520	Chr12:39442	0.00099	TRUE	1	FALSE	0.073035056	FALSE
Chr12	53825528	53825761	Chr12:39472	0.00118	TRUE	1	FALSE	0.118625426	FALSE
Chr12	53826803	53827068	Chr12:39480	0.00258	TRUE	1	FALSE	0.333641132	FALSE
Chr12	53846491	53846902	Chr12:39561	0.00342	TRUE	1	FALSE	0.535963371	FALSE
Chr12	54197479	54197868	Chr12:40234	0.01272	TRUE	1	FALSE	0.368001254	FALSE
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Chr12	54890196	54890598	Chr12:40774	0.00507	TRUE	1	FALSE	0.751894904	FALSE
Chr12	55721303	55721637	Chr12:41574	0.00332	TRUE	1	FALSE	0.155205216	FALSE
Chr12	55821070	55821246	Chr12:41633	0.01667	TRUE	1	FALSE	0.065676491	FALSE
Chr12	55933894	55934052	Chr12:41770	0.01804	TRUE	1	FALSE	0.562690538	FALSE
Chr12	56005275	56005533	Chr12:41845	0.00047	TRUE	1	FALSE	0.152473083	FALSE
Chr12	56207022	56208777	Chr12:42113	0.00314	TRUE	1	FALSE	0.833534968	FALSE
Chr12	56301940	56302278	Chr12:42123	0.00446	TRUE	1	FALSE	0.212068023	FALSE
Chr12	56336564	56336862	Chr12:42522	0.00023	TRUE	1	FALSE	0.181103803	FALSE
Chr12	56569770	56570057	Chr12:42819	0.00055	TRUE	1	FALSE	0.054862376	FALSE
Chr12	56728013	56728135	Chr12:42819	0.01329	TRUE	0.962006914	FALSE	0.489985987	FALSE
Chr12	56781009	56781690	Chr12:42941	0	TRUE	1	FALSE	0.053898844	FALSE
Chr12	56827624	56828143	Chr12:43069	0.0002	TRUE	1	FALSE	0.785315391	FALSE
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Chr12	56958820	56959067	Chr12:43311	0.01257	TRUE	0.07525672	FALSE	0.628931156	FALSE
Chr12	56959123	56959451	Chr12:43314	0.00036	TRUE	0.464851321	FALSE	0.181059592	FALSE
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Chr12	56984748	56984850	Chr12:43375	0.00091	TRUE	1	FALSE	0.061520582	FALSE
Chr12	57109715	57109992	Chr12:43579	0.00068	TRUE	1	FALSE	0.21573803	FALSE
Chr12	57138710	57139308	Chr12:43637	0.00241	TRUE	1	FALSE	0.344239314	FALSE
Chr12	57275596	57275853	Chr12:43715	0.02569	TRUE	1	FALSE	0.633837396	FALSE
Chr12	61523468	61523637	Chr12:46227	0.00832	TRUE	1	FALSE	0.09773892	FALSE
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Chr12	67220773	67221106	Chr12:48691	0.00283	TRUE	1	FALSE	0.08593088	FALSE
Chr12	69373844	69374020	Chr12:50006	0.00528	TRUE	1	FALSE	0.193672869	FALSE
Chr12	69374412	69374483	Chr12:50014	0	TRUE	0.161488774	FALSE	0.136477284	FALSE
Chr12	70267788	70267867	Chr12:51122	0.0249	TRUE	1	FALSE	0.106410761	FALSE
Chr12	71227434	71227578	Chr12:52207	0.00573	TRUE	1	FALSE	0.289249701	FALSE
Chr12	71360771	71360948	Chr12:52463	0.01666	TRUE	1	FALSE	0.31991602	FALSE
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Chr12	71433395	71433638	Chr12:52611	0.01304	TRUE	1	FALSE	0.437096143	FALSE
Chr12	71458877	71459084	Chr12:52656	0.01912	TRUE	1	FALSE	0.641428602	FALSE
Chr12	71526388	71526497	Chr12:52745	0.00019	TRUE	1	FALSE	0.332451029	FALSE
Chr12	71536911	71537011	Chr12:52763	0.01817	TRUE	1	FALSE	0.276528485	FALSE
Chr12	71796770	71797028	Chr12:52987	0.00245	TRUE	1	FALSE	0.185745328	FALSE
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Chr12	71888927	71889148	Chr12:53123	0.00024	TRUE	1	FALSE	0.043443336	FALSE
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Chr12	73034022	73034175	Chr12:54433	0.0069	TRUE	1	FALSE	0.389331456	FALSE
Chr12	73037047	73037298	Chr12:54443	0.00129	TRUE	1	FALSE	0.216964512	FALSE
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Chr12	73041240	73041571	Chr12:54460	0.00008	TRUE	1	FALSE	0.056229752	FALSE
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Chr12	73042189	73042351	Chr12:54465	0.01098	TRUE	1	FALSE	0.483334876	FALSE
Chr12	73048625	73049034	Chr12:54517	0.00073	FALSE	0.480624843	FALSE	0.027763981	FALSE
Chr12	73109936	73110176	Chr12:54624	0.01334	TRUE	1	FALSE	0.902561819	FALSE
Chr12	73147402	73147477	Chr12:54662	0.00016	TRUE	1	FALSE	0.043744796	FALSE
Chr12	73229313	73229471	Chr12:54747	0.00018	FALSE	1	FALSE	0.043744796	FALSE
Chr12	73303458	73303667	Chr12:54869	0.01082	TRUE	1	FALSE	0.986672859	FALSE
Chr12	73341669	73342171	Chr12:54941	0.00002	TRUE	1	FALSE	0.057202578	FALSE
Chr12	73350677	73351051	Chr12:54955	0.00002	FALSE	1	FALSE	0.346590166	FALSE
Chr12	73424706	73425107	Chr12:55094	0.00005	TRUE	1	FALSE	0.048902021	FALSE
Chr12	73459578	73459733	Chr12:55120	0.00241	TRUE	1	FALSE	0.097674186	FALSE
Chr12	73460196	73460598	Chr12:55125	0.00001	TRUE	1	FALSE	0.094839414	FALSE
Chr12	73472317	73472681	Chr12:55144	0.01176	TRUE	1	FALSE	0.596383558	FALSE
Chr12	73480452	73480552	Chr12:55157	0.01471	TRUE	1	FALSE	0.522332049	FALSE
Chr12	73511677	73511930	Chr12:55231	0.01686	TRUE	1	FALSE	0.491137689	FALSE
Chr12	73512016	73512115	Chr12:55234	0.01696	TRUE	1	FALSE	0.09156507	FALSE
Chr12	73525490	73525699	Chr12:55269	0.00024	TRUE	1	FALSE	0.06025827	FALSE
Chr12	73754431	73754747	Chr12:55533	0	TRUE	1	FALSE	0.083154284	FALSE
Chr12	73892728	73892946	Chr12:55730	0.00062	TRUE	1	FALSE	0.426767034	FALSE
Chr12	76546891	76547086	Chr12:56570	0.00014	TRUE	1	FALSE	0.032677768	FALSE
Chr12	76954824	76955418	Chr12:59396	0.00035	TRUE	0.576907852	FALSE	0.44419859	FALSE
Chr12	77003039	77003531	Chr12:59495	0.00641	TRUE	1	FALSE	0.320861085	FALSE
Chr12	79344613	79346740	Chr12:61729	0.02537	TRUE	1	FALSE	0.360983105	FALSE
Chr12	79354598	79355104	Chr12:61738	0.00731	TRUE	1	FALSE	0.372276702	FALSE
Chr12	79372649	79372939	Chr12:61769	0.00022	TRUE	1	FALSE	0.034847505	FALSE
Chr12	79373070	79373197	Chr12:61773	0.00034	FALSE	0.20094778	FALSE	0.507191682	FALSE
Chr12	79380560	79380679	Chr12:61802	0.00321	TRUE	1	FALSE	0.223553204	FALSE
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Chr12	79427133	79427232	Chr12:61855	0.00334	FALSE	0.765167894	FALSE	0.146386346	FALSE
Chr12	79532001	79532480	Chr12:62052	0.00006	TRUE	1	FALSE	0.041119707	FALSE
Chr12	79549764	79550599	Chr12:62092	0.01204	TRUE	1	FALSE	0.220656989	FALSE
Chr12	79575046	79575300	Chr12:62136	0.00016	TRUE	1	FALSE	0.064027473	FALSE
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Chr12	79663071	79663577	Chr12:62328	0.00003	TRUE	1	FALSE	0.252493894	FALSE
Chr12	79682570	79682763	Chr12:62378	0.00685	FALSE	1	FALSE	0.195653121	FALSE
Chr12	79707463	79708119	Chr12:62432	0.00448	TRUE	1	FALSE	0.642338743	FALSE
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Chr12	79805071	79805447	Chr12:62688	0.02287	TRUE	1	FALSE	0.788463481	FALSE
Chr12	79814470	79814750	Chr12:62728	0.00038	TRUE	1	FALSE	0.152509369	FALSE
Chr12	79851455	79851723	Chr12:62798	0.0001	TRUE	1	FALSE	0.065140343	FALSE
Chr12	79859489	79860009	Chr12:62816	0.00594	TRUE	1	FALSE	0.760538482	FALSE
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Chr12	79944637	79944991	Chr12:62954	0.00074	TRUE	1	FALSE	0.117613005	FALSE
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Chr12	79959302	79959419	Chr12:63052	0.00005	FALSE	1	FALSE	0.169133198	FALSE
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Chr12	80062541	80062574	Chr12:63176	0.0037	TRUE	1	FALSE	0.152585917	FALSE
Chr12	80130820	80131082	Chr12:63302	0.02064	TRUE	1	FALSE	0.439311425	FALSE
Chr12	80254740	80255094	Chr12:63694	0.00211	FALSE	1	FALSE	0.060660794	FALSE
Chr12	80760481	80760774	Chr12:64028	0.00948	TRUE	1	FALSE	0.400033068	FALSE
Chr12	80867746	80868016	Chr12:64137	0.00075	TRUE	1	FALSE	0.352889605	FALSE
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Chr12	81055307	81055580	Chr12:64384	0.00208	TRUE	1	FALSE	0.203504295	FALSE
Chr12	81095013	81095126	Chr12:64410	0.00685	FALSE	1	FALSE	0.081506212	FALSE
Chr12	81137887	81138003	Chr12:64473	0.00682	FALSE	1	FALSE	0.24971888	FALSE
Chr12	81140608	81140635	Chr12:64479	0.00067	TRUE	1	FALSE	0.218445038	FALSE
Chr12	81664073	81664225	Chr12:65015	0.01056	TRUE	1	FALSE	0.16516355	FALSE
Chr12	82105361	82105691	Chr12:65435	0.01131	TRUE	1	FALSE	0.632282997	FALSE
Chr12	83201917	83202066	Chr12:66423	0.00174	TRUE	1	FALSE	0.055285509	FALSE
Chr12	83337140	83337406	Chr12:66610	0.00858	TRUE	1	FALSE	0.402708209	FALSE
Chr12	83424484	83424772	Chr12:66625	0.00377	TRUE	0.164700047	FALSE	0.138987916	FALSE
Chr12	83427776	83427963	Chr12:66720	0.00115	FALSE	1	FALSE	0.328643876	FALSE
Chr12	83466584	83466696	Chr12:66763	0.02171	TRUE	1</			

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Chr12	91114536	91115002	Chr12:76952	0.00136	TRUE	0.112948334	FALSE	0.195262039	FALSE	
Chr12	91680493	91682626	Chr12:77473	0.0172	TRUE		1	FALSE	0.27288461	FALSE
Chr12	92246849	92247198	Chr12:78207	0.01775	TRUE		1	FALSE	0.927133181	FALSE
Chr12	93677602	93677811	Chr12:79230	0.00041	TRUE	0.242072144	FALSE	0.458482141	FALSE	
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Chr12	94190836	94191123	Chr12:79562	0.01354	TRUE		1	FALSE	0.345357616	FALSE
Chr12	94249736	94249977	Chr12:79615	0.00004	TRUE	0.040709175	FALSE	0.179377631	FALSE	
Chr12	95071381	95071694	Chr12:80159	0.00007	TRUE	0.046011743	FALSE	0.173360876	FALSE	
Chr12	95466649	95466796	Chr12:80534	0.00005	TRUE	0.114710803	FALSE	0.067959601	FALSE	
Chr12	95466875	95467405	Chr12:80536	0.00004	TRUE		1	FALSE	0.422716126	FALSE
Chr12	95482078	95482448	Chr12:80571	0.00135	TRUE		1	FALSE	0.669360145	FALSE
Chr12	95492429	95493045	Chr12:80844	0.0142	TRUE		1	FALSE	0.274009314	FALSE
Chr12	95686209	95686341	Chr12:80874	0.01812	TRUE		1	FALSE	0.442028857	FALSE
Chr12	95817892	95818053	Chr12:81155	0.00008	TRUE	0.143324733	FALSE	0.074647547	FALSE	
Chr12	95947458	95949697	Chr12:81269	0.00236	TRUE		1	FALSE	0.115236853	FALSE
Chr12	97203624	97203973	Chr12:82050	0.00226	TRUE	0.892301207	FALSE	0.989047696	FALSE	
Chr12	97473318	97473334	Chr12:82348	0.00008	TRUE		1	FALSE	0.063957908	FALSE
Chr12	97476391	97476537	Chr12:82349	0.00004	TRUE		1	FALSE	0.048160847	FALSE
Chr12	99192478	99192731	Chr12:83956	0.00467	TRUE		1	FALSE	0.410940147	FALSE
Chr12	99308675	99307005	Chr12:84165	0.00166	TRUE		1	FALSE	0.20130562	FALSE
Chr12	99527063	99527460	Chr12:84429	0.01703	TRUE		1	FALSE	0.967113129	FALSE
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Chr12	100408348	100408509	Chr12:85448	0.01407	TRUE		1	FALSE	0.148340136	FALSE
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Chr12	100909445	100909549	Chr12:86061	0.0152	TRUE		1	FALSE	0.073631446	FALSE
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Chr12	103164621	103164826	Chr12:87798	0.00529	TRUE		1	FALSE	0.218904722	FALSE
Chr12	104477992	104478286	Chr12:89395	0.00502	TRUE		1	FALSE	0.202914576	FALSE
Chr12	104690440	104690575	Chr12:89648	0.00738	TRUE		1	FALSE	0.199075198	FALSE
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Chr12	104737763	104737884	Chr12:89780	0.01193	TRUE		1	FALSE	0.472295941	FALSE
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Chr12	106478407	106478615	Chr12:91453	0.00002	TRUE		1	FALSE	0.07823143	FALSE
Chr12	106746933	106747040	Chr12:91809	0.00082	TRUE		1	FALSE	0.168362556	FALSE
Chr12	106829315	106829472	Chr12:91878	0.01708	TRUE		1	FALSE	0.023214708	FALSE
Chr12	106829507	106829606	Chr12:91879	0.01888	TRUE		1	FALSE	0.300510999	FALSE
Chr12	106867986	106868197	Chr12:91941	0.00001	TRUE	0.3866204	FALSE	0.045717807	FALSE	
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Chr12	107165767	107166087	Chr12:92342	0.00134	TRUE		1	FALSE	0.253046602	FALSE
Chr12	107281216	107281323	Chr12:92446	0.00103	TRUE	0.206724594	FALSE	0.211925643	FALSE	
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Chr12	107869616	107870750	Chr12:93094	0.00003	TRUE		1	FALSE	0.038574618	FALSE
Chr12	107887084	107887389	Chr12:93305	0.00771	TRUE		1	FALSE	0.759917595	FALSE
Chr12	107980646	107980210	Chr12:93325	0.02483	TRUE		1	FALSE	0.544834137	FALSE
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Chr12	108914118	108914238	Chr12:94275	0.00022	TRUE		1	FALSE	0.358596082	FALSE
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Chr12	119165197	119165337	Chr12:102093	0.00679	TRUE		1	FALSE	0.105752748	FALSE
Chr12	3901167	3900389	Chr13:396	0.1772	TRUE		1	FALSE	0.18596863	FALSE
Chr13	6029111	6022029	Chr13:1523	0.00986	TRUE	0.203751724	FALSE	0.248215532	FALSE	
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Chr13	12339742	12338991	Chr13:5335	0.02529	TRUE		1	FALSE	0.194012794	FALSE
Chr13	13484461	13484601	Chr13:5866	0.00393	TRUE		1	FALSE	0.077310379	FALSE
Chr13	13560230	13560320	Chr13:5974	0.01186	TRUE		1	FALSE	0.080573441	FALSE
Chr13	14930429	14930515	Chr13:6899	0.00001	TRUE		1	FALSE	0.107849835	FALSE
Chr13	15107997	15108242	Chr13:6975	0.00227	TRUE		1	FALSE	0.062753307	FALSE
Chr13	15343713	15343855	Chr13:7072	0.00579	TRUE	0.069347422	FALSE	0.556246333	FALSE	
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Chr13	23620743	23621049	Chr13:13246	0.00231	TRUE		1	FALSE	0.1272413	FALSE
Chr13	24049518	24049721	Chr13:13949	0.00225	TRUE		1	FALSE	0.074787209	FALSE
Chr13	24155229	24155338	Chr13:14055	0.00112	TRUE		1	FALSE	0.042685595	FALSE
Chr13	24202397	24202639	Chr13:14080	0.00147	TRUE		1	FALSE	0.551885599	FALSE
Chr13	25723288	25723447	Chr13:15413	0.02189	TRUE		1	FALSE	0.462927775	FALSE
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Chr13	26154092	26154223	Chr13:15798	0.01957	TRUE		1	FALSE	0.638540761	FALSE
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Chr13	28544515	28544718	Chr13:16981	0.01308	TRUE		1	FALSE	0.180007046	FALSE
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Chr13	28718357	28718484	Chr13:17219	0.01987	TRUE		1	FALSE	0.1889898	FALSE
Chr13	28779892	28780137	Chr13:17267	0.02098	TRUE		1	FALSE	0.890623058	FALSE
Chr13	28757231	28757345	Chr13:17290	0.00329	TRUE		1	FALSE	0.076194369	FALSE
Chr13	28802168	28802319	Chr13:17392	0.00049	TRUE		1	FALSE	0.063471653	FALSE
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Chr13	28954154	28954391	Chr13:17556	0.00257	TRUE		1	FALSE	0.656447853	FALSE
Chr13	28992151	28992309	Chr13:17590	0.00765	TRUE		1	FALSE	0.193015692	FALSE
Chr13	29047495	29047739	Chr13:18053	0.00232	TRUE		1	FALSE	0.178362558	FALSE
Chr13	29415982	29415996	Chr13:18070	0.00284	TRUE		1	FALSE	0.010102525	FALSE
Chr13	29416267	29416730	Chr13:18078	0.00015	TRUE		1	FALSE	0.066540374	FALSE
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Chr13	29715167	29715456	Chr13:18368	0.00003	TRUE		1	FALSE	0.184063173	FALSE
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Chr13	29747367	29747632	Chr13:18411	0.00003	TRUE		1	FALSE	0.07779071	FALSE
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Chr13	29986715	29987155	Chr13:18673	0.01165	TRUE		1	FALSE	0.288055511	FALSE
Chr13	30097702	30097812	Chr13:19368	0.00996	TRUE		1	FALSE	0.171928847	FALSE

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Chr13	45740525	45740761	Chr13.33063	0.01631	TRUE	1	FALSE	0.348430442	FALSE	
Chr13	45940155	45940601	Chr13.33284	0.01713	TRUE	1	FALSE	0.966309186	FALSE	
Chr13	46217517	46217712	Chr13.33680	0.01385	TRUE	1	FALSE	0.513021981	FALSE	
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Chr13	46572103	46572285	Chr13.33985	0.00386	TRUE	1	FALSE	0.318337625	FALSE	mm132
Chr13	47333939	47337284	Chr13.35023	0.00775	TRUE	1	FALSE	0.238945546	FALSE	
Chr13	47765332	47765693	Chr13.35450	0.00186	TRUE	1	FALSE	0.270240305	FALSE	
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Chr13	47862606	47863076	Chr13.35563	0.00108	TRUE	1	FALSE	0.048027635	FALSE	
Chr13	48013442	48013688	Chr13.35726	0.01304	TRUE	1	FALSE	0.844188178	FALSE	
Chr13	48384503	48384773	Chr13.36242	0.00936	TRUE	1	FALSE	0.243358277	FALSE	hs1175
Chr13	48734870	48735271	Chr13.36526	0.00185	TRUE	1	FALSE	0.131849379	FALSE	
Chr13	49385453	49385561	Chr13.37327	0.01012	TRUE	0.354456116	FALSE	0.333825842	FALSE	
Chr13	49492518	49492664	Chr13.37301	0.02056	TRUE	0.030414094	FALSE	0.21420444	FALSE	
Chr13	51581112	51581343	Chr13.37870	0.00038	TRUE	1	FALSE	0.15271706	FALSE	
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Chr13	53464051	53464879	Chr13.38821	0.01009	TRUE	0.27477925	FALSE	0.342607981	FALSE	hs1256
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Chr13	57945047	57945175	Chr13.44437	0.00859	TRUE	1	FALSE	0.080829588	FALSE	
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Chr13	76921193	76921460	Chr13.56311	0.00003	TRUE	1	FALSE	0.087517172	FALSE	
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Chr13	77884890	77884760	Chr13.57371	0.00042	TRUE	0.592330744	FALSE	0.06595322	FALSE	
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Chr13	78187354	78187481	Chr13.57948	0.00249	TRUE	1	FALSE	0.240551498	FALSE	
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Chr13	78638370	78638510	Chr13.58576	0.00005	TRUE	0.132012471	FALSE	0.070188625	FALSE	hs1024
Chr13	78937820	78938026	Chr13.59029	0.00072	TRUE	1	FALSE	0.916232027	FALSE	
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Chr13	81234244	81234353	Chr13.60710	0.00404	TRUE	1				

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Chr13	102957319	102957382	Chr13.81210	0.00031	TRUE	1	FALSE	0.080601665	FALSE	
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Chr14	11435230	11435429	Chr14.4525	0.00212	TRUE	1	FALSE	0.098600417	FALSE	
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Chr14	14067630	14068012	Chr14.7575	0.00602	TRUE	1	FALSE	0.088488449	FALSE	
Chr14	14083564	14083586	Chr14.7598	0.00014	FALSE	0.114793278	FALSE	0.242809401	FALSE	
Chr14	15358707	15358824	Chr14.8195	0.00604	TRUE	1	FALSE	0.166260724	FALSE	
Chr14	16497492	16497700	Chr14.8844	0.00658	FALSE	0.069044725	FALSE	0.745603198	FALSE	
Chr14	16554363	16554538	Chr14.8967	0.00108	FALSE	0.075569767	FALSE	0.234184873	FALSE	
Chr14	16554726	16554918	Chr14.8969	0.00062	TRUE	1	FALSE	0.063088927	FALSE	
Chr14	16574136	16574418	Chr14.9051	0						

Chr14	22892372	Chr14.16088	0.00225	TRUE	1	FALSE	0.066013907	FALSE	
Chr14	22936805	22937154 Chr14.16163	0.00335	TRUE	1	FALSE	0.112080322	FALSE	
Chr14	23116848	23107089 Chr14.16316	0.00016	FALSE	0.625626545	1	FALSE	0.324461354	FALSE
Chr14	23378701	23378953 Chr14.16897	0.00306	TRUE	1	FALSE	0.078327036	FALSE	
Chr14	23428082	23428386 Chr14.17048	0.01234	TRUE	1	FALSE	0.642489137	FALSE	
Chr14	23502077	23502806 Chr14.17239	0.00053	FALSE	1	FALSE	0.13383496	FALSE	
Chr14	23520309	23520440 Chr14.17284	0.00055	TRUE	1	FALSE	0.043963225	FALSE	mm17
Chr14	23581298	23581486 Chr14.17380	0.00106	TRUE	1	FALSE	0.116287381	FALSE	
Chr14	24105642	24105820 Chr14.18144	0.00227	TRUE	0.031890445	1	FALSE	0.248581263	FALSE
Chr14	24900847	24901015 Chr14.18636	0.0182	TRUE	1	FALSE	0.271078203	FALSE	
Chr14	24985967	24986244 Chr14.18691	0.00014	TRUE	1	FALSE	0.071549958	FALSE	
Chr14	24994024	24994059 Chr14.18715	0.00243	TRUE	1	FALSE	0.03499782	FALSE	
Chr14	25350432	25350598 Chr14.19038	0.01261	TRUE	1	FALSE	0.408110777	FALSE	
Chr14	25362805	25363032 Chr14.19110	0.00897	TRUE	1	FALSE	0.123702205	FALSE	
Chr14	25461226	25461340 Chr14.19207	0.00791	TRUE	1	FALSE	0.049584174	FALSE	
Chr14	25465867	25465236 Chr14.19224	0.0006	FALSE	0.098666044	1	FALSE	0.351315946	FALSE
Chr14	254782156	25478272 Chr14.19238	0.00006	TRUE	0.015269671	1	FALSE	0.209632728	FALSE
Chr14	25496239	25496484 Chr14.19262	0.00104	TRUE	1	FALSE	0.06813771	FALSE	
Chr14	25555539	25555059 Chr14.19339	0.00234	TRUE	0.099906745	1	FALSE	0.051445342	FALSE
Chr14	25606058	25606348 Chr14.19421	0.01058	TRUE	1	FALSE	0.437860064	FALSE	
Chr14	25766331	25766431 Chr14.19692	0.00243	TRUE	1	FALSE	0.074887286	FALSE	
Chr14	26417241	26417451 Chr14.19825	0.02371	TRUE	0.036590428	1	FALSE	0.867493707	FALSE
Chr14	26420615	26421319 Chr14.19844	0	TRUE	1	FALSE	0.310207993	FALSE	
Chr14	26638079	26638207 Chr14.20037	0.02637	TRUE	1	FALSE	0.050309509	FALSE	
Chr14	26814405	26814598 Chr14.20280	0.00402	TRUE	0.494576378	1	FALSE	0.148103332	FALSE
Chr14	27043435	27043669 Chr14.20987	0.00014	TRUE	1	FALSE	0.039763243	FALSE	
Chr14	27046112	27046307 Chr14.20601	0.00184	TRUE	1	FALSE	0.347575516	FALSE	
Chr14	27063968	27066640 Chr14.20667	0.00087	TRUE	0.223600199	1	FALSE	0.133161484	FALSE
Chr14	27069386	27068198 Chr14.20676	0.00644	FALSE	1	FALSE	0.454477071	FALSE	
Chr14	27068995	27070014 Chr14.20689	0.00204	TRUE	0.168782199	1	FALSE	0.126544747	FALSE
Chr14	27102745	27102926 Chr14.20794	0.00085	TRUE	0.098157871	1	FALSE	0.189113441	FALSE
Chr14	27403323	27403828 Chr14.21177	0.00575	TRUE	1	FALSE	0.950367752	FALSE	
Chr14	27609607	27610228 Chr14.21096	0.00041	TRUE	0.00041	1	FALSE	0.123495948	FALSE
Chr14	27623897	27624133 Chr14.21721	0.00014	TRUE	0.154248235	1	FALSE	0.087881323	FALSE
Chr14	27920334	27920489 Chr14.21867	0.00749	TRUE	0.14162528	1	FALSE	0.439554374	FALSE
Chr14	28043499	28043687 Chr14.22112	0.00251	FALSE	0.059222777	1	FALSE	0.116564746	FALSE
Chr14	28097748	28097950 Chr14.22261	0.01277	TRUE	0.023631617	1	FALSE	0.432925105	FALSE
Chr14	28098034	28098152 Chr14.22267	0.0008	TRUE	1	FALSE	0.102336115	FALSE	
Chr14	28100299	28100438 Chr14.22276	0.00025	TRUE	0.440679617	1	FALSE	0.981320119	FALSE
Chr14	28164222	28164426 Chr14.22390	0.00026	TRUE	1	FALSE	0.143274016	FALSE	
Chr14	28164448	28165022 Chr14.22396	0.00104	TRUE	0.359480892	1	FALSE	0.137897697	FALSE
Chr14	28165948	28166074 Chr14.22403	0.00014	TRUE	0.073321871	1	FALSE	0.058889681	FALSE
Chr14	28229400	28229503 Chr14.22492	0.01537	TRUE	0.01537	1	FALSE	0.240373374	FALSE
Chr14	28247988	28248136 Chr14.22529	0.00722	TRUE	1	FALSE	0.124593568	FALSE	
Chr14	28279072	28279341 Chr14.22632	0.001	TRUE	0.186977004	1	FALSE	0.121880229	FALSE
Chr14	28285552	28285782 Chr14.22945	0.00237	FALSE	1	FALSE	0.988038676	FALSE	
Chr14	28317173	28317826 Chr14.22751	0.00084	TRUE	1	FALSE	0.069273328	FALSE	
Chr14	28332379	28332718 Chr14.22784	0.00022	TRUE	1	FALSE	0.0536886	FALSE	
Chr14	28352162	28352527 Chr14.22848	0.00004	TRUE	0.071941367	1	FALSE	0.311217471	FALSE
Chr14	28374349	28374581 Chr14.22902	0.00004	TRUE	0.017849767	1	FALSE	0.036303722	FALSE
Chr14	28376538	28376689 Chr14.22918	0.00442	TRUE	0.294753069	1	FALSE	0.445744943	FALSE
Chr14	28414942	28414935 Chr14.23010	0.00083	TRUE	0.428824057	1	FALSE	0.257877324	FALSE
Chr14	28450755	28451035 Chr14.23087	0.02061	TRUE	0.02061	1	FALSE	0.506203294	FALSE
Chr14	28476845	28477070 Chr14.23181	0.0038	TRUE	0.508427804	1	FALSE	0.680165388	FALSE
Chr14	28484387	28484545 Chr14.23200	0.0104	TRUE	1	FALSE	0.424340612	FALSE	
Chr14	28505177	28505297 Chr14.23227	0.00516	FALSE	1	FALSE	0.081032984	FALSE	
Chr14	28700773	28700186 Chr14.23522	0.0018	TRUE	0.333457058	1	FALSE	0.092075986	FALSE
Chr14	28776194	28776332 Chr14.23600	0.00112	TRUE	1	FALSE	0.12613378	FALSE	
Chr14	28777023	28777256 Chr14.23605	0.02597	FALSE	1	FALSE	0.303278163	FALSE	
Chr14	28867418	28867723 Chr14.23614	0.00009	TRUE	1	FALSE	0.059161936	FALSE	
Chr14	28930729	28930966 Chr14.23872	0.00048	TRUE	1	FALSE	0.113080761	FALSE	
Chr14	28953373	28954305 Chr14.23919	0.00319	TRUE	0.028634294	1	FALSE	0.862163291	FALSE
Chr14	28969038	28969144 Chr14.23987	0.00025	TRUE	0.00025	1	FALSE	0.205661056	FALSE
Chr14	29005758	29005934 Chr14.24029	0.00001	TRUE	0.00183015	1	FALSE	0.117502647	FALSE
Chr14	29006579	29006844 Chr14.24030	0.00385	TRUE	1	FALSE	0.323693472	FALSE	
Chr14	29017867	29018033 Chr14.24090	0.00013	FALSE	0.062489364	1	FALSE	0.032020352	FALSE
Chr14	29028878	29029045 Chr14.24120	0.00589	TRUE	0.335291606	1	FALSE	0.41581894	FALSE
Chr14	29055635	29055836 Chr14.24173	0.00312	TRUE	1	FALSE	0.22653158	FALSE	
Chr14	29079353	29080155 Chr14.24287	0.00725	FALSE	0.745981532	1	FALSE	0.745981532	FALSE
Chr14	29156958	29157574 Chr14.24377	0.01018	TRUE	1	FALSE	0.632339716	FALSE	
Chr14	29164361	29164604 Chr14.24397	0.00857	TRUE	0.074349033	1	FALSE	0.656925691	FALSE
Chr14	29183728	29183877 Chr14.24447	0.02547	TRUE	0.068410464	1	FALSE	0.634835405	FALSE
Chr14	29226173	29226379 Chr14.24512	0.00004	TRUE	1	FALSE	0.046803054	FALSE	
Chr14	29229237	29229531 Chr14.24521	0.00004	TRUE	1	FALSE	0.040046791	FALSE	
Chr14	29285572	29286806 Chr14.24547	0.02464	FALSE	0.467664601	1	FALSE	0.725688669	FALSE
Chr14	29441636	29441746 Chr14.24769	0.01617	TRUE	0.216089967	1	FALSE	0.569993974	FALSE
Chr14	29707562	29707778 Chr14.25191	0.01307	TRUE	0.227614587	1	FALSE	0.303271514	FALSE
Chr14	29719769	29719769 Chr14.25227	0.00281	TRUE	1	FALSE	0.505383995	FALSE	
Chr14	29720719	29720726 Chr14.25230	0.01102	FALSE	1	FALSE	0.235595044	FALSE	
Chr14	29940419	29940566 Chr14.25420	0.01673	TRUE	0.196151265	1	FALSE	0.441294134	FALSE
Chr14	30060600	30061049 Chr14.25667	0.01088	TRUE	0.121625052	1	FALSE	0.211912156	FALSE
Chr14	30257865	30257886 Chr14.25974	0.00034	TRUE	0.147891033	1	FALSE	0.064789686	FALSE
Chr14	30379411	30379518 Chr14.26174	0.00616	TRUE	1	FALSE	0.047696216	FALSE	
Chr14	31202641	31202641 Chr14.27865	0.00682	TRUE	1	FALSE	0.11557577	FALSE	
Chr14	32030372	32030381 Chr14.29307	0.01892	TRUE	1	FALSE	0.9197923	FALSE	
Chr14	33798095	33798444 Chr14.31623	0.00026	TRUE	1	FALSE	0.223923244	FALSE	
Chr14	33919209	33919490 Chr14.31703	0.02602	TRUE	1	FALSE	0.580889973	FALSE	
Chr14	33919555	33919787 Chr14.31705	0.00608	TRUE	1	FALSE	0.312726077	FALSE	
Chr14	33920084	33921441 Chr14.31711	0.00008	FALSE	1	FALSE	0.0811387	FALSE	
Chr14	34548930	34549067 Chr14.32499	0.02203	TRUE	1	FALSE	0.277678769	FALSE	
Chr14	45825775	45825889 Chr14.36793	0.00855	TRUE	0.047857862	1	FALSE	0.543453581	FALSE
Chr14	46017375	46017632 Chr14.36967	0.00005	TRUE	1	FALSE	0.12702313	FALSE	hs1629
Chr14	46019295	46019592 Chr14.37025	0.00148	TRUE	1	FALSE	0.170323273	FALSE	hs1629
Chr14	46381127	46381297 Chr14.37393	0.00029	TRUE	1	FALSE	0.084781501	FALSE	
Chr14	46381420	46381545 Chr14.37395	0.01186	TRUE	1	FALSE	0.258421536	FALSE	
Chr14	46385155	46385416 Chr14.37416	0.00001	FALSE	0.025891857	1	FALSE	0.03748986	FALSE
Chr14	46387140	46387290 Chr14.37427	0.0193	TRUE	0.135484971	1	FALSE	0.502985652	FALSE
Chr14	46390297	46390439 Chr14.37433	0.00406	TRUE	1	FALSE	0.098677328	FALSE	
Chr14	46390828	46391117 Chr14.37437	0.00014	FALSE	1	FALSE	0.071578962	FALSE	
Chr14	46884024	46884206 Chr14.38083	0.0254	TRUE	1	FALSE	0.287695974	FALSE	
Chr14	46889774	46889990 Chr14.38244	0.00718	TRUE	1	FALSE	0.237220305	FALSE	
Chr14	47039345	47039350 Chr14.38435	0.00721	TRUE	1	FALSE	0.46980469	FALSE	
Chr14	47105077	47105833 Chr14.38471	0.00173	TRUE	1	FALSE	0.24665049	FALSE	
Chr14	47294611	47294839 Chr14.38668	0.00001	TRUE	1	FALSE	0.03704509	FALSE	
Chr14	48052535	48052813 Chr14.39251	0.00256	TRUE	1	FALSE	0.163761602	FALSE	
Chr14	48056944	48057045 Chr14.39930	0.00004	FALSE	0.128194	1	FALSE	0.550713394	FALSE
Chr14	48063650	48063818 Chr14.40059	0.00385	TRUE	1	FALSE	0.162065782	FALSE	
Chr14	48854255	48854443 Chr14.40398	0.00057	TRUE	1	FALSE	0.107143521	FALSE	
Chr14	48905404	48905516 Chr14.40298	0.00572	TRUE	1	FALSE	0.16794986	FALSE	hs1791
Chr14	48991059	48991192 Chr14.40602	0.00391	TRUE	1	FALSE	0.206421156	FALSE	
Chr14	49173645	49174022 Chr14.40815	0.00902	TRUE	1	FALSE	0.431296158	FALSE	
Chr14	50807597	50807687 Chr14.41931	0.00523	TRUE	0.686669578	1	FALSE	0.091785549	FALSE
Chr14	51028900	51029000 Chr14.42068	0.00221	TRUE	1	FALSE	0.1051635	FALSE	
Chr14	51986246	51986347 Chr14.42695	0.00727	TRUE	1	FALSE	0.117519471	FALSE</	

Chr14	62416345	62416566	Chr14.53728	0.00224	TRUE	0.379976003	FALSE	0.714162659	FALSE
Chr14	63910246	63910371	Chr14.55504	0.00547	TRUE	1	FALSE	0.083591824	FALSE
Chr14	64587532	64588165	Chr14.55583	0.00034	TRUE	0.383675616	FALSE	0.223148992	FALSE
Chr14	64588281	64588473	Chr14.55856	0.00049	TRUE	1	FALSE	0.040967817	FALSE
Chr14	64653008	64653121	Chr14.55918	0.00172	TRUE	1	FALSE	0.052687138	FALSE
Chr14	64645718	64645878	Chr14.56281	0.01842	TRUE	1	FALSE	0.358019465	FALSE
Chr14	65704462	65704183	Chr14.57175	0.00087	TRUE	0.09796169	FALSE	0.283952567	FALSE
Chr14	65724865	65725186	Chr14.57190	0.01985	TRUE	1	FALSE	0.889078657	FALSE
Chr14	66055080	66055690	Chr14.58237	0.00246	TRUE	0.039649445	FALSE	0.368042749	FALSE
Chr14	67233510	67233712	Chr14.58593	0.01588	TRUE	1	FALSE	0.158383858	FALSE
Chr14	67343212	67343312	Chr14.58907	0.00582	TRUE	1	FALSE	0.245806617	FALSE
Chr14	67357799	67357919	Chr14.58950	0.01275	TRUE	0.13404919	FALSE	0.261372395	FALSE
Chr14	67371487	67371622	Chr14.58991	0.00587	TRUE	1	FALSE	0.113803066	FALSE
Chr14	67418001	67418188	Chr14.59121	0.0142	TRUE	1	FALSE	0.203799604	FALSE
Chr14	67614277	67614934	Chr14.59420	0.00123	TRUE	1	FALSE	0.568485885	FALSE
Chr14	67615849	67615863	Chr14.59427	0.01839	TRUE	0.044835184	FALSE	0.617619144	FALSE
Chr14	67888391	67888521	Chr14.59906	0.01456	TRUE	1	FALSE	0.257039916	FALSE
Chr14	67962249	67962457	Chr14.59949	0.00054	TRUE	1	FALSE	0.163772287	FALSE
Chr14	68792129	68792342	Chr14.60954	0.02674	TRUE	1	FALSE	0.675352523	FALSE
Chr14	68934741	68935034	Chr14.60748	0.006	TRUE	1	FALSE	0.298443085	FALSE
Chr14	69028844	69029143	Chr14.60831	0.00249	TRUE	1	FALSE	0.040832041	FALSE
Chr14	69040050	69040373	Chr14.60895	0.02622	TRUE	0.059842977	FALSE	0.953651405	FALSE
Chr14	69053090	69053523	Chr14.60907	0.00002	TRUE	1	FALSE	0.030287123	FALSE
Chr14	69089123	69089477	Chr14.60937	0.00014	TRUE	0.552362887	FALSE	0.057013974	FALSE
Chr14	69098578	69098881	Chr14.61434	0.01006	TRUE	1	FALSE	0.088020399	FALSE
Chr14	70026599	70026780	Chr14.61784	0.01727	TRUE	1	FALSE	0.251393445	FALSE
Chr14	70064180	70064293	Chr14.61878	0.01012	TRUE	0.065978759	FALSE	0.379673967	FALSE
Chr14	70207568	70207814	Chr14.62348	0.00088	TRUE	0.542508054	FALSE	0.139780616	FALSE
Chr14	70526962	70527049	Chr14.62679	0.01445	TRUE	1	FALSE	0.077631956	FALSE
Chr14	70550290	70552354	Chr14.63024	0.022	TRUE	1	FALSE	0.082872561	FALSE
Chr14	70707942	70708170	Chr14.63463	0.01587	TRUE	1	FALSE	0.324670814	FALSE
Chr14	72146511	72146831	Chr14.64599	0.01387	TRUE	1	FALSE	0.070369393	FALSE
Chr14	72167436	72167624	Chr14.64636	0.01024	TRUE	1	FALSE	0.227635543	FALSE
Chr14	72341828	72342338	Chr14.64781	0.02855	TRUE	1	FALSE	0.919110418	FALSE
Chr14	72602867	72603018	Chr14.65181	0.00091	TRUE	1	FALSE	0.088725905	FALSE
Chr14	72739320	72739457	Chr14.65329	0.00125	TRUE	0.598662036	FALSE	0.182409407	FALSE
Chr14	73472447	73472799	Chr14.65755	0.00409	TRUE	1	FALSE	0.291074159	FALSE
Chr14	74640792	74640888	Chr14.66157	0.02384	TRUE	1	FALSE	0.290104995	FALSE
Chr14	75531895	75532103	Chr14.67963	0.00066	TRUE	1	FALSE	0.168378919	FALSE
Chr14	76221656	76221949	Chr14.67641	0.00516	TRUE	0.228162967	FALSE	0.211165404	FALSE
Chr14	76441224	76441444	Chr14.67888	0.00011	TRUE	1	FALSE	0.048466659	FALSE
Chr14	76505755	76505976	Chr14.67916	0.00131	TRUE	0.101512877	FALSE	0.24879765	FALSE
Chr14	76569672	76569788	Chr14.67982	0.01688	TRUE	1	FALSE	0.538073997	FALSE
Chr14	76577912	76578023	Chr14.67985	0.00373	TRUE	0.106529496	FALSE	0.277059126	FALSE
Chr14	76688204	76688393	Chr14.68075	0.00167	TRUE	1	FALSE	0.272224633	FALSE
Chr14	76694223	76694412	Chr14.68093	0.00151	TRUE	1	FALSE	0.157753366	FALSE
Chr14	76699042	76699158	Chr14.68111	0.01796	TRUE	1	FALSE	0.262050667	FALSE
Chr14	76708470	76708913	Chr14.68126	0.02404	TRUE	1	FALSE	0.840254874	FALSE
Chr14	76740308	76740463	Chr14.68159	0	TRUE	0.001146426	FALSE	0.042710393	FALSE
Chr14	76764562	76764707	Chr14.68185	0.02511	TRUE	1	FALSE	0.905056945	FALSE
Chr14	76789849	76799231	Chr14.68225	0.02689	TRUE	0.621709125	FALSE	0.982156321	FALSE
Chr14	76799946	76800291	Chr14.68227	0.00449	TRUE	1	FALSE	0.403068406	FALSE
Chr14	76828904	76829075	Chr14.68253	0.00519	TRUE	1	FALSE	0.157133872	FALSE
Chr14	77456972	77457085	Chr14.68916	0.0038	TRUE	0.250233392	FALSE	0.159064526	FALSE
Chr14	77473640	77473852	Chr14.68934	0.02301	TRUE	1	FALSE	0.526432479	FALSE
Chr14	77574579	77574693	Chr14.68952	0.00205	TRUE	1	FALSE	0.1103027	FALSE
Chr14	77581463	77581656	Chr14.69096	0.00862	TRUE	1	FALSE	0.204930694	FALSE
Chr14	77581796	77581899	Chr14.69100	0.01586	TRUE	1	FALSE	0.020902102	FALSE
Chr14	77631114	77631363	Chr14.69076	0.00005	TRUE	1	FALSE	0.161993637	FALSE
Chr14	78216447	78216561	Chr14.69876	0.00371	TRUE	0.66583248	FALSE	0.335585682	FALSE
Chr14	78383126	78383236	Chr14.70042	0.01224	TRUE	1	FALSE	0.15408671	FALSE
Chr14	79076484	79076782	Chr14.70711	0.00079	TRUE	1	FALSE	0.213190026	FALSE
Chr14	79135125	79135481	Chr14.70799	0.01588	TRUE	1	FALSE	0.848683286	FALSE
Chr14	79140173	79140487	Chr14.70805	0.00019	TRUE	1	FALSE	0.109947974	FALSE
Chr14	79157911	79158104	Chr14.70825	0.00641	TRUE	1	FALSE	0.055351147	FALSE
Chr14	79482395	79482692	Chr14.71180	0.00204	TRUE	1	FALSE	0.630149775	FALSE
Chr14	79644885	79645080	Chr14.71340	0.02584	TRUE	1	FALSE	0.454096673	FALSE
Chr14	79659737	79659836	Chr14.71376	0.00833	TRUE	1	FALSE	0.192815967	FALSE
Chr14	80028115	80028215	Chr14.72174	0.00481	TRUE	1	FALSE	0.02801433	FALSE
Chr14	80139403	80139513	Chr14.72307	0.00196	TRUE	1	FALSE	0.141866555	FALSE
Chr14	80847664	80847864	Chr14.73376	0.00011	TRUE	0.302389781	FALSE	0.060685605	FALSE
Chr14	80901412	80901633	Chr14.73434	0.00558	TRUE	1	FALSE	0.262369041	FALSE
Chr14	81761010	81761172	Chr14.74126	0.00082	TRUE	1	FALSE	0.389791003	FALSE
Chr14	84444041	84445118	Chr14.74972	0.02827	TRUE	1	FALSE	0.307618156	FALSE
Chr14	86069768	86069979	Chr14.76533	0.00022	TRUE	1	FALSE	0.043210322	FALSE
Chr14	86071037	86071140	Chr14.76540	0.00068	TRUE	0.214638226	FALSE	0.26566464	FALSE
Chr14	86327644	86327798	Chr14.76924	0.00257	TRUE	1	FALSE	0.067544126	FALSE
Chr14	86432180	86432455	Chr14.77100	0.00305	TRUE	1	FALSE	0.025082458	FALSE
Chr14	86448294	86448594	Chr14.77154	0.00015	TRUE	1	FALSE	0.041085986	FALSE
Chr14	86468285	86468408	Chr14.77187	0.00227	TRUE	1	FALSE	0.165167116	FALSE
Chr14	86748522	86748552	Chr14.77630	0.00017	TRUE	1	FALSE	0.240054745	FALSE
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Chr14	93020206	93020263	Chr14.83024	0.00525	TRUE	1	FALSE	0.194423593	FALSE
Chr14	93734570	93734673	Chr14.81948	0.02045	TRUE	1	FALSE	0.184903121	FALSE
Chr14	93898983	93899037	Chr14.82208	0.02007	TRUE	1	FALSE	0.608981956	FALSE
Chr14	95357039	95357263	Chr14.82905	0.00016	TRUE	1	FALSE	0.209111616	FALSE
Chr14	97595643	97595850	Chr14.83035	0.02278	TRUE	1	FALSE	0.184906201	FALSE
Chr14	97960738	97961112	Chr14.84423	0.01189	TRUE	1	FALSE	0.520288327	FALSE
Chr14	97962887	97963170	Chr14.84471	0.00207	TRUE	1	FALSE	0.401824291	FALSE
Chr14	98108061	98108709	Chr14.84696	0.0104	TRUE	1	FALSE	0.826947675	FALSE
Chr14	98172212	98172616	Chr14.84864	0.00072	TRUE	1	FALSE	0.225095999	FALSE
Chr14	98471940	98472222	Chr14.85157	0.00679	TRUE	1	FALSE	0.574489807	FALSE
Chr14	99297427	99297612	Chr14.86223	0.02123	TRUE	1	FALSE	0.703001924	FALSE
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Chr14	100281915	100282018	Chr14.87492	0.00817	TRUE	1	FALSE	0.163245529	FALSE
Chr14	10028976	100289903	Chr14.87527	0.00735	TRUE	1	FALSE	0.258845904	FALSE
Chr14	100459417	100459639	Chr14.87719	0.0005	TRUE	1	FALSE	0.183998955	FALSE
Chr14	100461159	100461222	Chr14.87730	0.01387	TRUE	0.031604032	FALSE	0.253366135	FALSE
Chr14	100715107	100715269	Chr14.87981	0.00005	TRUE	1	FALSE	0.099406206	FALSE
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Chr14	101351839	101351966	Chr14.88490	0.00407	TRUE	1	FALSE	0.154186842	FALSE
Chr14	101377362	10137814	Chr14.88518	0.00196	TRUE	1	FALSE	0.098223036	FALSE
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Chr14	102030957	102031223	Chr14.89227	0.00001	TRUE	1	FALSE	0.218487975	FALSE
Chr14	102238024	102238261	Chr14.89400	0.00833	TRUE	0.195064257	FALSE	0.594042035	FALSE
Chr14	102403361	102403761	Chr14.89436	0.00322	TRUE	1	FALSE	0.147488245	FALSE
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Chr14	102742251	102742398	Chr14.89614	0.00397	TRUE	1	FALSE	0.082582491	FALSE
Chr14	103571805	103571992	Chr14.90471	0.00487	TRUE	1	FALSE	0.080982378	FALSE
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Chr14	103846104	103846275	Chr14.90870	0.00243	TRUE	1	FALSE	0.092095726	FALSE
Chr14	105448319	105453684	Chr14.92995	0.00379	TRUE	1	FALSE	0.480305734	FALSE
Chr14	105675642	105677068							

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Chr15	8717091	8717221	Chr15.5015	0.01436	TRUE	1	FALSE	0.46756572	FALSE
Chr15	10589832	10589807	Chr15.6378	0.00045	TRUE	1	FALSE	0.070291454	FALSE
Chr15	10637254	10637562	Chr15.6421	0.00135	TRUE	1	FALSE	0.034891775	FALSE
Chr15	10735971	10736116	Chr15.6509	0.00079	TRUE	0.034960614	FALSE	0.167971083	FALSE
Chr15	10951900	10952122	Chr15.6614	0.0109	TRUE	1	FALSE	0.309402369	FALSE
Chr15	11460754	11460947	Chr15.7137	0.01026	FALSE	1	FALSE	0.24949147	FALSE
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Chr15	12456033	12457033	Chr15.8153	0.01677	TRUE	1	FALSE	0.187270961	FALSE
Chr15	12457072	12457203	Chr15.8156	0.01103	TRUE	1	FALSE	0.151359664	FALSE
Chr15	12635221	12635400	Chr15.8402	0.003	TRUE	1	FALSE	0.113982898	FALSE
Chr15	12941618	12942015	Chr15.8811	0.00386	TRUE	1	FALSE	0.710315757	FALSE
Chr15	13125890	13126059	Chr15.9164	0.01448	TRUE	1	FALSE	0.267689352	FALSE
Chr15	13212354	13212565	Chr15.9401	0.00323	TRUE	1	FALSE	0.162505248	FALSE
Chr15	13759817	13759783	Chr15.10223	0.00023	TRUE	1	FALSE	0.100080034	FALSE
Chr15	18318555	18318768	Chr15.11757	0.00672	TRUE	1	FALSE	0.169501772	FALSE
Chr15	25408743	25408843	Chr15.14207	0.00253	TRUE	1	FALSE	0.037033661	FALSE
Chr15	25623736	25623843	Chr15.14350	0.01493	TRUE	1	FALSE	0.216770131	FALSE
Chr15	25679143	25679423	Chr15.14384	0.0043	TRUE	1	FALSE	0.144133229	FALSE
Chr15	26712458	26712728	Chr15.15395	0.02695	TRUE	1	FALSE	0.1	FALSE
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Chr15	27216363	27216505	Chr15.15800	0.00205	TRUE	1	FALSE	0.097439587	FALSE
Chr15	27770504	27770651	Chr15.16289	0.0041	TRUE	1	FALSE	0.130493347	FALSE
Chr15	27771313	27771518	Chr15.16275	0.00665	TRUE	1	FALSE	0.486944446	FALSE
Chr15	27788357	27788524	Chr15.16311	0.00025	TRUE	1	FALSE	0.038531551	FALSE
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Chr15	27793483	27793760	Chr15.16327	0.00662	TRUE	1	FALSE	0.177340552	FALSE
Chr15	27992180	27992327	Chr15.16567	0.00048	TRUE	0.260715603	FALSE	0.133008653	FALSE
Chr15	30173733	30173996	Chr15.17612	0.01822	TRUE	1	FALSE	0.27495098	FALSE
Chr15	31854056	31855110	Chr15.18628	0.00768	TRUE	1	FALSE	0.270518781	FALSE
Chr15	32403565	32403590	Chr15.19199	0.00753	TRUE	1	FALSE	0.277166334	FALSE
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Chr15	34372948	34373204	Chr15.20471	0.00255	TRUE	1	FALSE	0.352164839	FALSE
Chr15	34680538	34680636	Chr15.20924	0.01025	TRUE	1	FALSE	0.236595986	FALSE
Chr15	34904691	34904678	Chr15.21191	0.00004	FALSE	0.00004	FALSE	0.269720051	FALSE
Chr15	35021254	35021369	Chr15.21290	0.00306	TRUE	0.068842119	FALSE	0.399324717	FALSE
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Chr15	35271078	35272386	Chr15.21457	0.01099	TRUE	1	FALSE	0.308610568	FALSE
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Chr15	35298239	35298491	Chr15.21545	0.0005	FALSE	0.0005	FALSE	0.185799992	FALSE
Chr15	35816810	35816987	Chr15.22125	0.01813	TRUE	1	FALSE	0.409202869	FALSE
Chr15	35842679	35843511	Chr15.22183	0	TRUE	1	FALSE	0.116112126	FALSE
Chr15	35849349	35849750	Chr15.22212	0.00208	FALSE	0.00208	FALSE	0.145722596	FALSE
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Chr15	35868962	35869354	Chr15.22248	0.01811	TRUE	1	FALSE	0.605959993	FALSE
Chr15	35898762	35898881	Chr15.22251	0.01344	TRUE	0.05310721	FALSE	0.58568834	FALSE
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Chr15	36016202	36016598	Chr15.22511	0.0185	TRUE	1	FALSE	0.728164306	FALSE
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Chr15	36403567	36403673	Chr15.22963	0.00231	TRUE	1	FALSE	0.089430956	FALSE
Chr15	37210459	37210601	Chr15.23443	0.00812	TRUE	1	FALSE	0.09575404	FALSE
Chr15	37232188	37232231	Chr15.23457	0.00018	FALSE	0.00018	FALSE	0.162483946	FALSE
Chr15	37617083	37617384	Chr15.23791	0.00014	TRUE	1	FALSE	0.080052332	FALSE
Chr15	38302294	38302457	Chr15.24236	0.01784	TRUE	1	FALSE	0.096355642	FALSE
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Chr15	43045019	43045220	Chr15.28468	0.00069	TRUE	1	FALSE	0.046513778	FALSE
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Chr15	50686438	50686718	Chr15.32251	0.00051	TRUE	1	FALSE	0.057212009	FALSE
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Chr15	50844130	50844796	Chr15.32614	0.00031	FALSE	0.00031	FALSE	0.46940963	FALSE
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Chr15	51117041	51117422	Chr15.33242	0.01062	FALSE	0.01062	FALSE	0.459394209	FALSE
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Chr15	51359501	51359836	Chr15.33599	0.00289	TRUE	1	FALSE	0.00304603	FALSE
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Chr15	52160871	52160859	Chr15.34524	0.00017	FALSE	0.00017	FALSE	0.089191844	FALSE
Chr15	53257876	53257988	Chr15.35694	0.00981	TRUE	0.269125414	FALSE	0.386523616	FALSE
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Chr15	590								

Chr15	81066890	81067293	Chr15.61133	0.01053	TRUE	1	FALSE	0.84189748	FALSE
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Chr15	93590983	93591185	Chr15.73350	0.00082	TRUE	1	FALSE	0.04222379	FALSE
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Chr15	93593914	93594322	Chr15.73364	0.00002	TRUE	1	FALSE	0.044699187	FALSE
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Chr15	97824180	97824377	Chr15.77411	0.00293	TRUE	1	FALSE	0.100521655	FALSE
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Chr15	97825182	9782519	Chr15.77419	0.02271	TRUE	1	FALSE	0.272275498	FALSE
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Chr15	97892666	97892788	Chr15.77546	0.00226	TRUE	1	FALSE	0.085566732	FALSE
Chr15	97914442	97914568	Chr15.77586	0.00066	TRUE	1	FALSE	0.054809972	FALSE
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Chr15	97990461	97990415	Chr15.77750	0.00099	TRUE	1	FALSE	0.146555089	FALSE
Chr15	98002052	98002310	Chr15.77809	0.01316	TRUE	1	FALSE	0.250349376	FALSE
Chr15	98108410	98108822	Chr15.77879	0.00021	TRUE	0.064144128	FALSE	0.039975034	FALSE
Chr15	98033395	98033524	Chr15.78149	0.00091	TRUE	0.350370024	FALSE	0.495483225	FALSE
Chr15	98035882	98036045	Chr15.78810	0.00994	TRUE	1	FALSE	0.154009791	FALSE
Chr15	98674617	98674778	Chr15.78960	0.00688	TRUE	1	FALSE	0.07668467	FALSE
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Chr15	98762131	98762338	Chr15.79104	0.0004	TRUE	1	FALSE	0.07848521	FALSE
Chr15	98775673	98775783	Chr15.79144	0.00075	TRUE	1	FALSE	0.040120044	FALSE
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Chr15	98869475	98869619	Chr15.79616	0.00026	TRUE	0.042127361	FALSE	0.226013357	FALSE
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Chr15	99097823	99097929	Chr15.80096	0.00035	TRUE	1	FALSE	0.03891783	FALSE
Chr15	99221720	99221843	Chr15.80240	0.01646	TRUE	1	FALSE	0.159141994	FALSE
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Chr15	99316741	99316934	Chr15.80512	0.00089	TRUE	0.495137103	FALSE	0.072761883	FALSE
Chr15	99344669	99344765	Chr15.80548	0.00013	TRUE	1	FALSE	0.038811221	FALSE
Chr15	99527576	99527733	Chr15.80935	0.0253	TRUE	1	FALSE	0.154809064	FALSE
Chr15	99637539	99638233	Chr15.81178	0.00587	TRUE	1	FALSE	0.704396958	FALSE
Chr15	99656311	99656500	Chr15.81227	0.02135	TRUE	1	FALSE	0.227378859	FALSE
Chr15	99698971	99700135	Chr15.81341	0.02686	TRUE	1	FALSE	0.487230292	FALSE
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Chr15	99890486	99890858	Chr15.81678	0.00671	TRUE	1	FALSE	0.386538111	FALSE
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Chr15	102776344	102776605	Chr15.87729	0.00138	TRUE	1	FALSE	0.490856479	FALSE
Chr15	102778318	102778368	Chr15.87753	0.0234	TRUE	1	FALSE	0.291488955	FALSE
Chr15	102806876	102807215	Chr15.87813	0.00829	TRUE	1	FALSE	0.705896284	FALSE
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Chr15	103376904	103377110	Chr15.89532	0.00122	TRUE	1	FALSE	0.037306657	FALSE
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Chr15	4595575	4595671	Chr16.1270	0.02461	TRUE	1	FALSE	0.183794261	FALSE
Chr16	4890613	4890613	Chr16.1859	0.00855	FALSE	1	FALSE	0.088243725	FALSE
Chr16	6448531	6448921	Chr16.4142	0.00072	TRUE	1	FALSE	0.269807431	FALSE
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Chr16	30038880	30038818	Chr16.25691	0.00017	FALSE	0.091574862	FALSE	0.205168904	FALSE
Chr16	30045676	30045835	Chr16.25697	0.00218	TRUE	0.354128192	FALSE	0.064690661	FALSE
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Chr16	30069780	30069892	Chr16.26026	0.00179	FALSE	0.01978	FALSE	0.173058483	FALSE
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Chr16	30501885	30502096	Chr16.26491	0.00005	TRUE	0.031189904	FALSE	0.04230972	FALSE
Chr16	31056441	31065658	Chr16.27197	0.00068	TRUE	0.1006	FALSE	0.354547468	FALSE
Chr16	32343092	32343348	Chr16.28851	0.00079	TRUE	1	FALSE	0.127089664	FALSE
Chr16	34414096	34414249	Chr16.30195	0.02054	FALSE	0.481536463	FALSE	0.25742362	FALSE
Chr16	34502160	34502593	Chr16.30307	0.00281	FALSE	0.00281	FALSE	0.786240591	FALSE
Chr16	34526677	34526672	Chr16.30352	0.00619	1	FALSE	FALSE	0.093601746	FALSE
Chr16	34574374	34574566	Chr16.30424	0.00213	TRUE	1	FALSE	0.04402663	FALSE
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Chr16	34952411	34952512	Chr16.30800	0.00001	TRUE	0.040732482	FALSE	0.095236964	FALSE
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Chr16	35106770	35106947	Chr16.30881	0.01771	TRUE	1	FALSE	0.377016194	FALSE
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Chr16	43235373	43236066	Chr16.40444	0.0001	FALSE	0.0001	FALSE	0.29884506	FALSE
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Chr16	43309915	43310273	Chr16.40614	0.00002	TRUE	1	FALSE	0.05195344	FALSE
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Chr16	43573026	43573586	Chr16.41402	0.00023	TRUE	1	FALSE	0.096770832	FALSE
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Chr16	43579210	43579326	Chr16.41426	0.0256	TRUE	1	FALSE	0.090533008	FALSE
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Chr16	50431424	50431602	Chr16.47771	0.01365	TRUE	1	FALSE	0.266505682	FALSE
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Chr16	57474122	57474243	Chr16.53001	0.02455	FALSE	0.02455	FALSE	0.054464866	FALSE
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Chr16	581237150	581238							

Chr16	77650521	77651047	Chr16.70973	0.00002	TRUE	1	FALSE	0.067577495	FALSE	
Chr16	77662041	77662406	Chr16.71006	0.00003	TRUE	1	FALSE	0.068929844	FALSE	
Chr16	84071407	84071928	Chr16.74398	0.00004	TRUE	1	FALSE	0.242355606	FALSE	
Chr16	88563569	88563862	Chr16.77852	0.00433	TRUE	1	FALSE	0.080249437	FALSE	
Chr16	91334324	91334357	Chr16.80151	0.01521	TRUE	1	FALSE	0.420320809	FALSE	
Chr16	91728552	91728678	Chr16.80961	0.00004	TRUE	1	FALSE	0.073006245	FALSE	
Chr16	92139910	92140082	Chr16.80924	0.00392	TRUE	0.280035486	FALSE	0.188383923	FALSE	
Chr16	92565490	92565623	Chr16.81304	0.00239	TRUE	1	FALSE	0.219010557	FALSE	
Chr16	92592229	92592524	Chr16.81314	0.00489	FALSE	1	FALSE	0.630930433	FALSE	
Chr16	92625713	92625883	Chr16.81404	0.02112	TRUE	1	FALSE	0.753112342	FALSE	
Chr16	92645865	92646011	Chr16.81442	0.00014	TRUE	0.51212205	FALSE	0.082618518	FALSE	
Chr16	92717632	92717692	Chr16.81611	0.01678	TRUE	1	FALSE	0.545133584	FALSE	
Chr16	92930968	92931214	Chr16.81616	0.00065	TRUE	1	FALSE	0.065070982	FALSE	
Chr16	92954049	92954198	Chr16.81973	0.01174	TRUE	0.326122261	FALSE	0.98601381	FALSE	
Chr16	92954397	92954526	Chr16.81977	0.00916	TRUE	1	FALSE	0.051005851	FALSE	
Chr16	93026478	93026734	Chr16.82043	0.00002	TRUE	1	FALSE	0.499311912	FALSE	
Chr16	93075475	93075681	Chr16.82125	0.01884	TRUE	1	FALSE	0.434610504	FALSE	
Chr16	93558002	93558495	Chr16.82664	0.00054	TRUE	1	FALSE	0.288400356	FALSE	
Chr16	93842171	93842307	Chr16.83300	0.00027	TRUE	1	FALSE	0.076492439	FALSE	
Chr16	94143476	94143563	Chr16.83609	0.00173	TRUE	1	FALSE	0.071924803	FALSE	
Chr16	94164380	94164723	Chr16.83643	0.02103	TRUE	1	FALSE	0.942313724	FALSE	
Chr16	94179172	94180000	Chr16.83661	0	TRUE	1	FALSE	0.041370452	FALSE	
Chr16	94531590	94532391	Chr16.84117	0.00032	TRUE	1	FALSE	0.160705224	FALSE	ha2333
Chr16	94694602	94694883	Chr16.84168	0.0011	TRUE	0.142679319	FALSE	0.341381548	FALSE	
Chr16	95241642	95241890	Chr16.84422	0.00026	TRUE	1	FALSE	0.080395567	FALSE	
Chr16	95410211	95410378	Chr16.84658	0.02218	TRUE	1	FALSE	0.588970247	FALSE	
Chr16	97962241	97962353	Chr16.86596	0.0061	TRUE	1	FALSE	0.043650887	FALSE	
Chr17	3337052	3337471	Chr17.144	0.00204	TRUE	1	FALSE	0.241630037	FALSE	
Chr17	4175015	4175413	Chr17.1347	0.00001	FALSE	1	FALSE	0.089405587	FALSE	
Chr17	4777907	4778087	Chr17.2036	0.00873	TRUE	1	FALSE	0.254943561	FALSE	
Chr17	5007256	5007602	Chr17.2246	0.00351	TRUE	1	FALSE	0.384226466	FALSE	
Chr17	5067429	5067584	Chr17.2316	0.02227	TRUE	1	FALSE	0.402719552	FALSE	
Chr17	5086093	5086278	Chr17.2333	0.00294	TRUE	1	FALSE	0.185453763	FALSE	
Chr17	5310267	5310505	Chr17.2588	0.01505	TRUE	1	FALSE	0.378647115	FALSE	
Chr17	10490747	10491000	Chr17.5981	0.01807	TRUE	1	FALSE	0.078137325	FALSE	
Chr17	11927080	11927247	Chr17.7117	0.01089	TRUE	0.194371758	FALSE	0.340243843	FALSE	
Chr17	11972651	11972819	Chr17.7222	0.02191	TRUE	1	FALSE	0.325449499	FALSE	
Chr17	14497167	14497406	Chr17.9050	0.00483	TRUE	1	FALSE	0.389595302	FALSE	
Chr17	15936923	15994207	Chr17.10144	0.00001	FALSE	1	FALSE	0.647519922	FALSE	
Chr17	16177167	16177525	Chr17.10205	0.00142	TRUE	1	FALSE	0.114289892	FALSE	
Chr17	16344231	16344471	Chr17.10368	0.00383	TRUE	1	FALSE	0.125218107	FALSE	
Chr17	17403061	17404000	Chr17.10700	0.01442	TRUE	1	FALSE	0.530138994	FALSE	
Chr17	17438020	17439060	Chr17.10762	0.00017	TRUE	1	FALSE	0.095151657	FALSE	
Chr17	17444067	17445318	Chr17.10810	0.00017	TRUE	1	FALSE	0.227522646	FALSE	
Chr17	26663236	26663393	Chr17.19369	0.00966	TRUE	1	FALSE	0.071423286	FALSE	
Chr17	26715635	26715761	Chr17.19413	0.00063	FALSE	1	FALSE	0.100032090	FALSE	
Chr17	26844210	26844644	Chr17.19581	0.02248	TRUE	1	FALSE	0.503263455	FALSE	
Chr17	26850778	26851029	Chr17.19585	0.00286	TRUE	1	FALSE	0.032334621	FALSE	
Chr17	26950145	26950390	Chr17.19147	0.00406	TRUE	1	FALSE	0.189022578	FALSE	
Chr17	26951514	26951756	Chr17.19760	0.01194	TRUE	1	FALSE	0.063935207	FALSE	
Chr17	26970839	26971377	Chr17.19855	0.00571	TRUE	1	FALSE	0.086824274	FALSE	
Chr17	27056655	27056766	Chr17.19849	0.00693	TRUE	1	FALSE	0.114857847	FALSE	
Chr17	27129104	27129417	Chr17.20209	0.00004	TRUE	1	FALSE	0.036433603	FALSE	
Chr17	27138518	27138637	Chr17.20286	0.00637	TRUE	1	FALSE	0.093467099	FALSE	
Chr17	27194739	27194848	Chr17.20421	0.01633	TRUE	1	FALSE	0.126763081	FALSE	
Chr17	27207878	27207824	Chr17.20449	0.00049	FALSE	1	FALSE	0.63574481	FALSE	
Chr17	27228472	27228620	Chr17.20514	0.00436	TRUE	1	FALSE	0.148706679	FALSE	
Chr17	27445585	27445720	Chr17.20653	0.01063	TRUE	1	FALSE	0.088977075	FALSE	
Chr17	28037543	28037690	Chr17.21344	0.00167	FALSE	1	FALSE	0.042480906	FALSE	
Chr17	28064066	28064705	Chr17.21534	0.00066	TRUE	1	FALSE	0.136711864	FALSE	
Chr17	28085207	28085496	Chr17.21539	0.00012	TRUE	1	FALSE	0.048249742	FALSE	
Chr17	28098759	28098888	Chr17.21563	0.00199	TRUE	1	FALSE	0.133993111	FALSE	
Chr17	28146294	28146402	Chr17.21657	0.00279	TRUE	0.247753582	FALSE	0.516580193	FALSE	
Chr17	28158618	28158987	Chr17.21680	0.00109	TRUE	1	FALSE	0.035925625	FALSE	
Chr17	28171873	28172510	Chr17.21746	0.00188	TRUE	1	FALSE	0.131177255	FALSE	
Chr17	28420171	28420644	Chr17.22185	0.00001	FALSE	1	FALSE	0.603898916	FALSE	
Chr17	28428583	28428696	Chr17.22193	0.01789	TRUE	1	FALSE	0.151059975	FALSE	
Chr17	28697487	28697650	Chr17.22544	0.00075	TRUE	1	FALSE	0.124000583	FALSE	
Chr17	29218529	29218668	Chr17.23252	0.00001	FALSE	1	FALSE	0.221633155	FALSE	
Chr17	29438713	29438854	Chr17.23543	0.01384	TRUE	1	FALSE	0.065633627	FALSE	
Chr17	29707155	29707504	Chr17.23951	0.00196	TRUE	1	FALSE	0.064634355	FALSE	
Chr17	29796772	29797054	Chr17.24062	0.00331	TRUE	1	FALSE	0.096033153	FALSE	
Chr17	29873728	29873868	Chr17.24198	0.01817	TRUE	1	FALSE	0.229504757	FALSE	
Chr17	29874000	29874211	Chr17.24202	0.00227	TRUE	1	FALSE	0.170634684	FALSE	
Chr17	29985537	29985701	Chr17.24310	0.00036	TRUE	1	FALSE	0.098004953	FALSE	
Chr17	30064372	30064686	Chr17.24386	0.00663	FALSE	1	FALSE	0.63347886	FALSE	
Chr17	30159865	30159909	Chr17.24491	0.00997	TRUE	1	FALSE	0.474875513	FALSE	
Chr17	30203708	30204019	Chr17.24571	0.00401	TRUE	1	FALSE	0.116751544	FALSE	
Chr17	30321272	30321265	Chr17.24653	0.00196	FALSE	1	FALSE	0.215482091	FALSE	
Chr17	30334668	30335126	Chr17.24665	0.00318	TRUE	1	FALSE	0.055237519	FALSE	
Chr17	30360984	30361093	Chr17.24950	0.0152	TRUE	0.164163316	FALSE	0.136054441	FALSE	hs1366
Chr17	30378352	30378676	Chr17.25001	0.00183	TRUE	1	FALSE	0.424967482	FALSE	
Chr17	30467023	30468023	Chr17.25143	0.00004	FALSE	1	FALSE	0.033445496	FALSE	
Chr17	30468623	30468752	Chr17.25149	0.00481	TRUE	1	FALSE	0.258213348	FALSE	
Chr17	30469779	30468380	Chr17.25204	0	TRUE	1	FALSE	0.070811131	FALSE	
Chr17	30568358	30568511	Chr17.25211	0.00016	FALSE	1	FALSE	0.157914775	FALSE	
Chr17	32354026	32354247	Chr17.27436	0.01063	TRUE	1	FALSE	0.460233096	FALSE	
Chr17	34121851	34121982	Chr17.29724	0.00844	TRUE	1	FALSE	0.070558332	FALSE	
Chr17	34591633	34592002	Chr17.30620	0.01544	TRUE	0.70942680	FALSE	0.386365256	FALSE	
Chr17	34613313	34613423	Chr17.30778	0.023	TRUE	1	FALSE	0.127822445	FALSE	
Chr17	35009097	35009083	Chr17.33157	0.00413	TRUE	1	FALSE	0.103362958	FALSE	
Chr17	35218552	35218796	Chr17.33646	0.00298	TRUE	1	FALSE	0.052856346	FALSE	
Chr17	35220074	35220210	Chr17.33658	0.02223	TRUE	1	FALSE	0.124001192	FALSE	
Chr17	35900837	35900979	Chr17.34689	0.00116	TRUE	1	FALSE	0.105529018	FALSE	
Chr17	35917152	35917445	Chr17.34750	0.01148	TRUE	1	FALSE	0.335556602	FALSE	
Chr17	36271122	36271275	Chr17.35103	0.00467	TRUE	1	FALSE	0.192281326	FALSE	
Chr17	42576122	42576265	Chr17.36534	0.0113	TRUE	1	FALSE	0.115907431	FALSE	
Chr17	43251323	43251601	Chr17.37096	0.00167	TRUE	1	FALSE	0.296803732	FALSE	
Chr17	43714373	43714541	Chr17.37322	0.01045	TRUE	1	FALSE	0.377992986	FALSE	
Chr17	44310383	44310530	Chr17.38454	0.00629	TRUE	0.210959332	FALSE	0.263704237	FALSE	
Chr17	44335181	44335413	Chr17.38492	0.0083	TRUE	1	FALSE	0.159097942	FALSE	
Chr17	44619104	44619247	Chr17.38961	0.01809	TRUE	1	FALSE	0.352171758	FALSE	mm624
Chr17	44623461	44623651	Chr17.38965	0.00662	TRUE	1	FALSE	0.77205571	FALSE	
Chr17	44623950	44624124	Chr17.38967	0.00048	TRUE	1	FALSE	0.080491823	FALSE	
Chr17	44645241	44645348	Chr17.39005	0.00271	TRUE	1	FALSE	0.105277816	FALSE	
Chr17	44669861	44669902	Chr17.39043	0.00331	TRUE	1	FALSE	0.061298936	FALSE	
Chr17	44669939	44670046	Chr17.39045	0.00468	TRUE	1	FALSE	0.065449863	FALSE	
Chr17	44683110	44683291	Chr17.39077	0.00328	TRUE	1	FALSE	0.082281383	FALSE	
Chr17	44683331	44683484	Chr17.39079	0.00162	FALSE	1	FALSE	0.056542632	FALSE	
Chr17	44722463	44722882	Chr17.39142	0.0241	TRUE	1	FALSE	0.876156581	FALSE	mm657
Chr17	44725054	44725212	Chr17.39155	0.00279	TRUE	0.314546452	FALSE	0.565491486	FALSE	
Chr17	44730381	44730566	Chr17.39162	0.00204	TRUE	1	FALSE	0.184184465	FALSE	
Chr17	44739076	44739446	Chr17.39202	0.00654	TRUE	1	FALSE</			

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Chr17	62625120	62625284	Chr17:57018	0.00209	TRUE	1	FALSE	0.052923214	FALSE
Chr17	62818401	62818522	Chr17:57670	0.01931	TRUE	1	FALSE	0.387333353	FALSE
Chr17	62846307	62846550	Chr17:57780	0.0009	TRUE	1	FALSE	0.270630418	FALSE
Chr17	62862983	62863085	Chr17:57805	0.0141	TRUE	0.416181663	FALSE	0.290820422	FALSE
Chr17	62879188	62879428	Chr17:57861	0.0056	TRUE	1	FALSE	0.204046505	FALSE
Chr17	62883089	62883211	Chr17:57879	0.02619	TRUE	1	FALSE	0.102202005	FALSE
Chr17	62905706	62905958	Chr17:57904	0.01418	TRUE	0.913823149	FALSE	0.574987785	FALSE
Chr17	62959200	62959382	Chr17:57984	0.00075	TRUE	1	FALSE	0.118079097	FALSE
Chr17	62962301	62962439	Chr17:58018	0.0009	TRUE	0.310790004	FALSE	0.175393288	FALSE
Chr17	62963129	62963429	Chr17:58023	0.02113	TRUE	1	FALSE	0.553087353	FALSE
Chr17	62968276	62968478	Chr17:58033	0.00676	TRUE	1	FALSE	0.445810213	FALSE
Chr17	63005171	63005304	Chr17:58084	0.01661	TRUE	1	FALSE	0.784115885	FALSE
Chr17	63026122	63026457	Chr17:58126	0.00022	TRUE	1	FALSE	0.16479309	FALSE
Chr17	63028721	63028929	Chr17:58133	0.00027	TRUE	1	FALSE	0.088741744	FALSE
Chr17	63075663	63075993	Chr17:58199	0.01498	TRUE	1	FALSE	0.381657727	FALSE
Chr17	63076181	63076512	Chr17:58203	0.00352	TRUE	1	FALSE	0.165297671	FALSE
Chr17	63146336	63146473	Chr17:58373	0.00711	TRUE	1	FALSE	0.097818966	FALSE
Chr17	63146942	63146846	Chr17:58377	0.00075	TRUE	1	FALSE	0.297245507	FALSE
Chr17	63686075	63686382	Chr17:58892	0.00911	TRUE	1	FALSE	0.767528507	FALSE
Chr17	64786432	64786639	Chr17:58929	0.00004	TRUE	1	FALSE	0.186869243	FALSE
Chr17	66696781	66696946	Chr17:61298	0.00052	TRUE	1	FALSE	0.072642781	FALSE
Chr17	66761617	66761769	Chr17:61380	0.00028	TRUE	1	FALSE	0.064707099	FALSE
Chr17	67237449	67237611	Chr17:62017	0.01891	TRUE	1	FALSE	0.391163327	FALSE
Chr17	68002174	68002445	Chr17:63100	0.00807	TRUE	1	FALSE	0.338839509	FALSE
Chr17	68045807	68046233	Chr17:63140	0.01128	TRUE	1	FALSE	0.611717249	FALSE
Chr17	68163833	68163743	Chr17:63228	0.00635	TRUE	1	FALSE	0.05689081	FALSE
Chr17	69230144	69230306	Chr17:64011	0.01525	TRUE	1	FALSE	0.381332284	FALSE
Chr17	70614831	70614993	Chr17:64765	0.00662	TRUE	1	FALSE	0.900791953	FALSE
Chr17	70977866	70988148	Chr17:65104	0.01675	TRUE	1	FALSE	0.791976038	FALSE
Chr17	71947459	71947614	Chr17:66305	0.02339	TRUE	1	FALSE	0.304181425	FALSE
Chr17	72837637	72837964	Chr17:67483	0.00512	TRUE	0.65831042	FALSE	0.352191931	FALSE
Chr17	72916195	72916307	Chr17:67575	0.01353	TRUE	1	FALSE	0.092193274	FALSE
Chr17	72926382	72926547	Chr17:67603	0.02632	TRUE	1	FALSE	0.465945446	FALSE
Chr17	73701726	73701337	Chr17:68328	0.00626	TRUE	1	FALSE	0.108928272	FALSE
Chr17	73811562	73811685	Chr17:68426	0.02117	TRUE	1	FALSE	0.791171247	FALSE
Chr17	75056601	75056885	Chr17:69487	0.0234	TRUE	1	FALSE	0.689754888	FALSE
Chr17	75056885	75056990	Chr17:69492	0.00425	TRUE	1	FALSE	0.111113641	FALSE
Chr17	75158727	75158837	Chr17:69615	0.00269	TRUE	0.017815296	FALSE	0.102559007	FALSE</

Chr18	13305532	13305990	Chr18.7475	0.00399	TRUE	1	FALSE	0.204720654	FALSE
Chr18	13388567	13389104	Chr18.7590	0.00008	TRUE	1	FALSE	0.070285585	FALSE
Chr18	13392037	13392724	Chr18.7599	0.01668	TRUE	1	FALSE	0.688915134	FALSE
Chr18	13518076	13518193	Chr18.7848	0.00024	TRUE	1	FALSE	0.032243124	FALSE
Chr18	13519239	13519400	Chr18.7854	0.00298	TRUE	1	FALSE	0.2444882	FALSE
Chr18	13523677	13523806	Chr18.7870	0.01777	TRUE	1	FALSE	0.16988534	FALSE
Chr18	13533213	13533388	Chr18.7899	0.02319	TRUE	1	FALSE	0.566177409	FALSE
Chr18	13693908	13694212	Chr18.8132	0.01974	TRUE	1	FALSE	0.771672802	FALSE
Chr18	13699699	13699786	Chr18.8151	0.00486	TRUE	1	FALSE	0.346597972	FALSE
Chr18	13704739	13705004	Chr18.8177	0.02066	TRUE	1	FALSE	0.615303111	FALSE
Chr18	13737960	13738179	Chr18.8297	0.00817	TRUE	1	FALSE	0.310072288	FALSE
Chr18	13751707	13751820	Chr18.8320	0.02097	TRUE	1	FALSE	0.383422604	FALSE
Chr18	13768433	13768598	Chr18.8385	0.01563	TRUE	1	FALSE	0.455274615	FALSE
Chr18	13769881	13770041	Chr18.8383	0.00421	TRUE	1	FALSE	0.208063322	FALSE
Chr18	13782502	13782519	Chr18.8406	0.00114	TRUE	1	FALSE	0.057617634	FALSE
Chr18	13814614	13814775	Chr18.8551	0.02663	TRUE	1	FALSE	0.058401902	FALSE
Chr18	13847653	13848151	Chr18.8695	0.02132	TRUE	1	FALSE	0.841049472	FALSE
Chr18	13868897	13868713	Chr18.8800	0.00387	TRUE	1	FALSE	0.307101231	FALSE
Chr18	13869107	13869300	Chr18.9019	0.00962	TRUE	1	FALSE	0.537144987	FALSE
Chr18	13885351	13885492	Chr18.9075	0.00606	TRUE	0.273954719	FALSE	0.4005117352	FALSE
Chr18	14002855	14003098	Chr18.9110	0.00001	TRUE	1	FALSE	0.043841796	FALSE
Chr18	14004575	14004740	Chr18.9117	0.00099	TRUE	1	FALSE	0.086701796	FALSE
Chr18	14018179	14018309	Chr18.9131	0.00205	TRUE	1	FALSE	0.091646098	FALSE
Chr18	14202262	14202698	Chr18.9423	0.00946	TRUE	1	FALSE	0.541625244	FALSE
Chr18	14202892	14203091	Chr18.9430	0.00868	TRUE	1	FALSE	0.208644018	FALSE
Chr18	14403386	14403520	Chr18.9734	0.01029	TRUE	1	FALSE	0.139917746	FALSE
Chr18	14417007	14417172	Chr18.9752	0.00116	TRUE	1	FALSE	0.179485371	FALSE
Chr18	14602102	14602524	Chr18.9970	0.02267	TRUE	1	FALSE	0.75764994	FALSE
Chr18	14637150	14637279	Chr18.10099	0.00807	FALSE	1	FALSE	0.322740138	FALSE
Chr18	14844009	14844251	Chr18.10143	0.01361	TRUE	1	FALSE	0.194805392	FALSE
Chr18	15066118	15066294	Chr18.10339	0.00033	TRUE	1	FALSE	0.031332927	FALSE
Chr18	15084748	15085112	Chr18.10374	0.01467	TRUE	1	FALSE	0.984874855	FALSE
Chr18	15093935	15093922	Chr18.10381	0.00367	TRUE	1	FALSE	0.201850718	FALSE
Chr18	15120411	15120607	Chr18.10400	0.00042	TRUE	1	FALSE	0.061315111	FALSE
Chr18	15195410	15195665	Chr18.10511	0.00476	TRUE	1	FALSE	0.256594649	FALSE
Chr18	15235379	15235708	Chr18.10570	0.00679	FALSE	1	FALSE	0.182134893	FALSE
Chr18	15281575	15281862	Chr18.10610	0.00501	TRUE	0.39999821	FALSE	0.460527331	FALSE
Chr18	15684950	15685052	Chr18.11035	0.01003	TRUE	1	FALSE	0.038183068	FALSE
Chr18	16038013	16038227	Chr18.11327	0.00062	TRUE	1	FALSE	0.197315761	FALSE
Chr18	16622839	16622942	Chr18.11684	0.00143	TRUE	1	FALSE	0.139135539	FALSE
Chr18	17732305	17732515	Chr18.12805	0.00515	TRUE	1	FALSE	0.201638751	FALSE
Chr18	21272957	21273098	Chr18.15122	0.00934	TRUE	1	FALSE	0.051657195	FALSE
Chr18	21299107	21299264	Chr18.15184	0.01347	TRUE	1	FALSE	0.093100908	FALSE
Chr18	21477205	21477511	Chr18.15289	0.00198	TRUE	1	FALSE	0.227569596	FALSE
Chr18	21713385	21713538	Chr18.15627	0.00717	TRUE	1	FALSE	0.334548999	FALSE
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Chr18	21729011	21729491	Chr18.15648	0.00005	TRUE	1	FALSE	0.051493029	FALSE
Chr18	21735300	21735745	Chr18.15662	0.00002	FALSE	1	FALSE	0.031560391	FALSE
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Chr18	23497358	23497732	Chr18.17030	0.00057	TRUE	0.071083733	FALSE	0.365508692	FALSE
Chr18	23804792	23805078	Chr18.17413	0.00407	TRUE	1	FALSE	0.224735980	FALSE
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Chr18	35841358	35841633	Chr18.29404	0.01829	TRUE	1	FALSE	0.342889349	FALSE
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Chr18									

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Chr18	54716962	54717213	Chr18.53923	0.00002	TRUE	1	FALSE	0.057921904	FALSE
Chr18	54721328	54721454	Chr18.53946	0.01112	TRUE	1	FALSE	0.549396456	FALSE
Chr18	54744911	54745334	Chr18.53982	0.02086	TRUE	1	FALSE	0.921952397	FALSE
Chr18	54821027	54821473	Chr18.54096	0.00008	TRUE	1	FALSE	0.042649809	FALSE
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Chr18	73163882	73164107	Chr18.73113	0.00563	TRUE	1	FALSE	0.057455567	FALSE
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Chr19	8831705	8831923	Chr19.11217	0.00036	TRUE	0.038387172	FALSE	0.281810889	FALSE
Chr19	8839196	8839392	Chr19.11254	0.01272	TRUE	0.620252284	FALSE	0.313095699	FALSE
Chr19	8927321	8927230	Chr19.11375	0.01531	TRUE	0.350549302	FALSE	0.160197285	FALSE
Chr19	8983411	8983565	Chr19.11874	0.0102	TRUE	0.570968759	FALSE	0.131542482	FALSE
Chr19	10714330	10714435	Chr19.13949	0.01586	TRUE	1	FALSE	0.200124299	FALSE
Chr19	1195598	1195548	Chr19.14866	0.02262	TRUE	1	FALSE	0.077360865	FALSE
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Chr19	28377253	28377498	Chr19.30775	0.00524	TRUE	1	FALSE	0.400272498	FALSE
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Chr19	41716292	41716863	Chr19.42781	0.00067	TRUE	1	FALSE	0.133358673	FALSE
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Chr19	41933802	41933949	Chr19.43155	0.0112	TRUE	1	FALSE	0.25288871	FALSE
Chr19	41974048	41974181	Chr19.43258	0.01806	TRUE	1	FALSE	0.354728571	FALSE
Chr19	41976612	41976760	Chr19.43261	0.00229	TRUE	0.10431244	FALSE	0.101094746	FALSE
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Chr19	42316986	42317034	Chr19.43837	0.00194	TRUE	1	FALSE	0.038753242	FALSE
Chr19	42317328	42317475	Chr19.43841	0.01848	TRUE	1	FALSE	0.228083196	FALSE
Chr19	42461594	42461858	Chr19.44120	0.00605	TRUE	1	FALSE	0.158442688	FALSE
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Chr19	42811566	42811688	Chr19.44806	0.00086	TRUE	1	FALSE	0.260159871	FALSE
Chr19	42845239	42845716	Chr19.44855	0.00004	TRUE	1	FALSE	0.06181131	FALSE
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Chr19	43383215	4							

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Chr19	47897879	47897850	Chr19.53425	0.00331	TRUE	1	FALSE	0.056731348	FALSE
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Chr19	53360292	53360707	Chr19.58085	0.00007	TRUE	1	FALSE	0.055747857	FALSE
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Chr19	59633626	59633768	Chr19.67687	0.00868	TRUE	1	FALSE	0.178502373	FALSE
Chr19	59683766	59683925	Chr19.68007	0.00616	TRUE	1	FALSE	0.087474123	FALSE
Chr19	59905807	59905915	Chr19.68800	0.00176	TRUE	1	FALSE	0.088986292	FALSE
Chr19	59961167	59962194	Chr19.68925	0.01946	FALSE	1	FALSE	0.768994656	FALSE
Chr19	60364410	60364611	Chr19.68846	0.00114	TRUE	1	FALSE	0.042198252	FALSE
Chr2	3472196	3472452	Chr2.408	0.00135	TRUE	1	FALSE	0.895179599	FALSE
Chr2	4206665	4206786	Chr2.1013	0.01268	TRUE	0.484253333	FALSE	0.675067335	FALSE
Chr2	4296409	4296851	Chr2.1022	0.01117	TRUE	1	FALSE	0.259675589	FALSE
Chr2	4587897	4588006	Chr2.1357	0.00028	TRUE	1	FALSE	0.060016896	FALSE
Chr2	4802377	4802523	Chr2.1627	0.00134	TRUE	1	FALSE	0.05691321	FALSE
Chr2	52415070	5241773	Chr2.1970	0.00062	TRUE	1	FALSE	0.050887078	FALSE
Chr2	5727604	5727704	Chr2.2202	0.02562	TRUE	1	FALSE	0.427461825	FALSE
Chr2	6321895	6322117	Chr2.2675	0.00086	TRUE	1	FALSE	0.060468037	FALSE
Chr2	6883633	6884637	Chr2.3521	0.01237	TRUE	1	FALSE	0.631131696	FALSE
Chr2	9882401	9882618	Chr2.6536	0.02532	TRUE	0.253258285	FALSE	0.48429486	FALSE
Chr2	98835326	9883535	Chr2.6545	0.02537	TRUE	1	FALSE	0.1285471	FALSE
Chr2	1206325	1206513	Chr2.8290	0.01235	FALSE	1	FALSE	0.122510095	FALSE
Chr2	12212869	12213168	Chr2.8484	0.00207	TRUE	1	FALSE	0.15611058	FALSE
Chr2	12294144	12294316	Chr2.8568	0.0196	TRUE	1	FALSE	0.389305682	FALSE
Chr2	12300172	12300411	Chr2.8582	0.01207	TRUE	1	FALSE	0.84405308	FALSE
Chr2	13576105	13576342	Chr2.10422	0.02261	TRUE	0.516216064	FALSE	0.538372086	FALSE
Chr2	14164566	14164879	Chr2.10759	0.00001	TRUE	0.047365884	FALSE	0.045709976	FALSE
Chr2	14641216	14641355	Chr2.11238	0.00408	TRUE	0.457534221	FALSE	0.444710845	FALSE
Chr2	16356723	16356828	Chr2.12236	0.0014	TRUE	1	FALSE	0.407939883	FALSE
Chr2	17669145	17669452	Chr2.13307	0.00907	TRUE	1	FALSE	0.833577537	FALSE
Chr2	18034287	18034604	Chr2.13627	0.00205	TRUE	1	FALSE	0.086485165	FALSE
Chr2	18041396	18041622	Chr2.13686	0.00226	FALSE	1	FALSE	0.141825897	FALSE
Chr2	18042675	18043464	Chr2.13672	0.00392	TRUE	1	FALSE	0.885458806	FALSE
Chr2	18043670	18043871	Chr2.13679	0.00888	TRUE	1	FALSE	0.37323953	FALSE
Chr2	18048596	18049088	Chr2.13702	0.00114	TRUE	1	FALSE	0.343786923	FALSE
Chr2	18050003	18050192	Chr2.13710	0.01435	FALSE	1	FALSE	0.562357356	FALSE
Chr2	18058607	18058757	Chr2.13759	0.00781	TRUE	0.257689493	FALSE	0.407239185	FALSE
Chr2	18069204	18069784	Chr2.13763	0.00327	TRUE	1	FALSE	0.477430296	FALSE
Chr2	18061773	18061882	Chr2.13784	0.00294	FALSE	1	FALSE	0.102165707	FALSE
Chr2	18218369	18218517	Chr2.13906	0.020					

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Chr2	35851866	35851974	Chr2:37840	0.0015	TRUE	1	FALSE	0.068427671	FALSE
Chr2	35904767	35904835	Chr2:37916	0.0158	TRUE	1	FALSE	0.430421531	FALSE
Chr2	36104669	36104992	Chr2:38173	0.01472	TRUE	1	FALSE	0.360030712	FALSE
Chr2	36128879	36129298	Chr2:38225	0.01604	TRUE	1	FALSE	0.351588294	FALSE
Chr2	36159121	36159170	Chr2:38279	0.0144	TRUE	1	FALSE	0.296216526	FALSE
Chr2	37422067	37422205	Chr2:39314	0.00039	TRUE	1	FALSE	0.037309486	FALSE
Chr2	37855196	37855383	Chr2:40129	0.00889	TRUE	1	FALSE	0.10037977	FALSE
Chr2	37885797	37890094	Chr2:40379	0.01887	TRUE	1	FALSE	0.398470766	FALSE
Chr2	38052492	38052806	Chr2:40505	0.00233	TRUE	1	FALSE	0.230003556	FALSE
Chr2	38068169	38068613	Chr2:40529	0.00001	TRUE	1	FALSE	0.04761575	FALSE
Chr2	38096178	38096304	Chr2:40590	0.00849	TRUE	1	FALSE	0.298492404	FALSE
Chr2	38143036	38144869	Chr2:40712	0.00026	TRUE	1	FALSE	0.425108636	FALSE
Chr2	38196520	38197014	Chr2:40810	0.00141	TRUE	1	FALSE	0.468596703	FALSE
Chr2	38347554	38348179	Chr2:41045	0.00686	TRUE	1	FALSE	0.495302305	FALSE
Chr2	38584747	38585072	Chr2:41349	0.00026	TRUE	1	FALSE	0.429857107	FALSE
Chr2	38585693	38585814	Chr2:41361	0.00417	TRUE	1	FALSE	0.252954855	FALSE
Chr2	38782314	38782723	Chr2:41790	0.00769	TRUE	1	FALSE	0.474551979	FALSE
Chr2	38823326	38823329	Chr2:41833	0.00066	TRUE	1	FALSE	0.276233534	FALSE
Chr2	38823398	38824017	Chr2:41834	0.00005	TRUE	1	FALSE	0.152080165	FALSE
Chr2	38825093	38825365	Chr2:41847	0.02133	TRUE	1	FALSE	0.398284674	FALSE
Chr2	38924973	38925486	Chr2:41959	0.00008	TRUE	1	FALSE	0.082634574	FALSE
Chr2	39056487	39060704	Chr2:42213	0.0009	TRUE	1	FALSE	0.230706874	FALSE
Chr2	43727240	43727694	Chr2:44785	0.00018	TRUE	1	FALSE	0.126142027	FALSE
Chr2	44103623	44103859	Chr2:45547	0.00665	TRUE	1	FALSE	0.262693768	FALSE
Chr2	44104564	44105003	Chr2:45561	0.00086	TRUE	1	FALSE	0.289863659	FALSE
Chr2	44106278	44106840	Chr2:45564	0.00345	TRUE	1	FALSE	0.636994125	FALSE
Chr2	44114815	44115023	Chr2:45592	0.00042	TRUE	1	FALSE	0.159405235	FALSE
Chr2	44160026	44160808	Chr2:45722	0.00528	TRUE	1	FALSE	0.692780322	FALSE
Chr2	44180998	44181230	Chr2:45746	0.01497	TRUE	1	FALSE	0.634702703	FALSE
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Chr2	44307536	44367847	Chr2:46149	0.00015	TRUE	0.159602595	FALSE	0.252190312	FALSE
Chr2	44368126	44368265	Chr2:46154	0.00208	TRUE	1	FALSE	0.285317043	FALSE
Chr2	44368378	44368476	Chr2:46156	0.00306	TRUE	1	FALSE	0.06590316	FALSE
Chr2	44394182	44394306	Chr2:46205	0.00729	TRUE	1	FALSE	0.187183835	FALSE
Chr2	44558359	44558591	Chr2:46521	0.00084	TRUE	1	FALSE	0.061637755	FALSE
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Chr2	44631512	44631925	Chr2:46967	0.00967	TRUE	1	FALSE	0.17679173	FALSE
Chr2	44654549	44655136	Chr2:46724	0.00207	TRUE	1	FALSE	0.431348	FALSE
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Chr2	44926432	44926539	Chr2:47094	0.00021	TRUE	1	FALSE	0.07815193	FALSE
Chr2	44926232	44962833	Chr2:47120	0.00201	TRUE	1	FALSE	0.072680685	FALSE
Chr2	44965310	44965636	Chr2:47134	0	TRUE	1	FALSE	0.038219035	FALSE
Chr2	45054661	45054765	Chr2:47337	0.00113	TRUE	1	FALSE	0.135143992	FALSE
Chr2	45085552	45085669	Chr2:47690	0.02368	TRUE	1	FALSE	0.306896611	FALSE
Chr2	45088747	45089278	Chr2:47706	0.00154	TRUE	1	FALSE	0.308304088	FALSE
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Chr2	45097603	45098001	Chr2:47753	0.0246	TRUE	1	FALSE	0.996795413	FALSE
Chr2	45101636	45101868	Chr2:47785	0.00605	TRUE	1	FALSE	0.44629544	FALSE
Chr2	45110619	45110883	Chr2:47857	0.00596	TRUE	1	FALSE	0.348534111	FALSE
Chr2	45111546	45111808	Chr2:47862	0.00547	TRUE	1	FALSE	0.50154534	FALSE
Chr2	45112664	45113274	Chr2:47873	0.00536	TRUE	1	FALSE	0.387693945	FALSE
Chr2	45115836	45115936	Chr2:47892	0.01439	TRUE	0.711442535	FALSE	0.227888601	FALSE
Chr2	45116207	45116386	Chr2:47896	0.00211	TRUE	1	FALSE	0.189769985	FALSE
Chr2	45194890	45185549	Chr2:48003	0.00004	TRUE	1	FALSE	0.345557001	FALSE
Chr2	45208811	45209023	Chr2:48143	0.01089	TRUE	1	FALSE	0.532192939	FALSE
Chr2	45234862	45235141	Chr2:48234	0.00061	TRUE	1	FALSE	0.05529499	FALSE
Chr2	45395581	45397516	Chr2:48458	0.00104	TRUE	1	FALSE	0.455488633	FALSE
Chr2	45361001	45361752	Chr2:48480	0	TRUE	1	FALSE	0.147106243	FALSE
Chr2	45362070	45362180	Chr2:48488	0.00538	TRUE	1	FALSE	0.263107401	FALSE
Chr2	45435398	45435789	Chr2:48537	0.01407	TRUE	1	FALSE	0.468148033	FALSE
Chr2	45461887	45462093	Chr2:48670	0.00013	TRUE	1	FALSE	0.081413021	FALSE
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Chr2	45500405	45500741	Chr2:48916	0.00405	TRUE	1	FALSE	0.239323607	FALSE
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Chr2	45679883	45679794	Chr2:49009	0.01202	TRUE	1	FALSE	0.181399998	FALSE
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Chr2	46187734	46188044	Chr2:49711	0.00063	TRUE	1	FALSE	0.305400524	FALSE
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Chr2	47027282	47028191	Chr2:50469	0.01408	TRUE	1	FALSE	0.250711038	FALSE
Chr2	47134882	47135020	Chr2:50598	0.01093	TRUE	1	FALSE	0.444244176	FALSE
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Chr2	48332672	48332672	Chr2:51355	0.01136	TRUE	1	FALSE	0.183691509	FALSE
Chr2	48320584	48320663	Chr2:51671	0.00037	TRUE	0.063929391	FALSE	0.097479005	FALSE
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Chr2	48557298	48557642	Chr2:51725	0.00014	TRUE	1	FALSE	0.248515474	FALSE
Chr2	48568592	48568632	Chr2:51775	0.00182	TRUE	1	FALSE	0.105713028	FALSE
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Chr2	48661138	48661418	Chr2:51948	0.01004	TRUE	1	FALSE	0.55407712	FALSE
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Chr2	51010181	51010197	Chr2:54474	0.00774	TRUE	1	FALSE	0.347493554	FALSE
Chr2	51033846	51033946	Chr2:54513	0.02426	TRUE	0.188331048	FALSE	0.73384708	FALSE
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Chr2	51093825	51100511	Chr2:54593	0.00863	TRUE	1	FALSE	0.24672399	FALSE
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Chr2	51267614	51268060	Chr2:54848	0.00031	TRUE	1	FALSE	0.061119361	FALSE
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Chr2	51531199	51531376	Chr2:55039	0.01952	TRUE	1	FALSE	0.313787798	FALSE
Chr2	51531510	51531817	Chr2:55044	0.0142	TRUE	1	FALSE	0.610577504	FALSE
Chr2	51551115	51551276	Chr2:55060	0.00004	TRUE	1	FALSE	0.031851681	FALSE
Chr2	51580737	51580974	Chr2:55114	0.02002	TRUE	1	FALSE	0.78032611	FALSE
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Chr2	51697747	51697986	Chr2:55205	0.01015	TRUE	1	FALSE	0.44224782	FALSE
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Chr2	52039187	52039333	Chr2:55552	0.0289	TRUE	1	FALSE	0.715992117	FALSE
Chr2	52039633	52039733	Chr2:55557	0.00865	TRUE	1	FALSE	0.459693267	FALSE
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Chr2	52873270	52873583	Chr2:57017	0.00192	TRUE	1	FALSE	0.23302548	FALSE
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Chr2	56683981	56684198	Chr2:59276	0.02546	TRUE	1			

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Chr2	62846881	62847137	Chr2:66601	0.01613	TRUE	1	FALSE	0.426734405	FALSE	
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Chr2	64053791	64053906	Chr2:68143	0.00555	TRUE	1	FALSE	0.118971834	FALSE	
Chr2	64067076	64068184	Chr2:68172	0.00737	TRUE	1	FALSE	0.246425426	FALSE	
Chr2	64074526	64075196	Chr2:68198	0.02044	TRUE	1	FALSE	0.225755929	FALSE	
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Chr2	64094560	64094856	Chr2:68294	0.01466	TRUE	1	FALSE	0.583796665	FALSE	
Chr2	64103874	64104108	Chr2:68346	0.0204	TRUE	1	FALSE	0.588205559	FALSE	
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Chr2	65007419	65007918	Chr2:69484	0.00031	TRUE	0.639236702	FALSE	0.208214563	FALSE	
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Chr2	65896969	65896923	Chr2:70471	0.00019	FALSE	1	FALSE	0.050830378	FALSE	
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Chr2	66178249	66178605	Chr2:70891	0.00286	TRUE	1	FALSE	0.423441748	FALSE	
Chr2	66440333	66440526	Chr2:71195	0.00394	TRUE	1	FALSE	0.388933756	FALSE	
Chr2	68222959	68223183	Chr2:73100	0.00006	TRUE	1	FALSE	0.104101524	FALSE	
Chr2	68365596	68365728	Chr2:73285	0.00359	TRUE	1	FALSE	0.179704712	FALSE	
Chr2	68442208	68442328	Chr2:73380	0.00864	TRUE	1	FALSE	0.339190001	FALSE	
Chr2	69084487	69084768	Chr2:73651	0.00804	TRUE	1	FALSE	0.155723876	FALSE	
Chr2	69108705	69108929	Chr2:73677	0.01737	TRUE	1	FALSE	0.451402352	FALSE	
Chr2	69544210	69544325	Chr2:74905	0.00474	TRUE	1	FALSE	0.212140123	FALSE	
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Chr2	70923545	70923744	Chr2:76366	0.00862	TRUE	1	FALSE	0.401193713	FALSE	
Chr2	70935412	70935512	Chr2:76371	0.00216	TRUE	1	FALSE	0.087439973	FALSE	
Chr2	70989797	70989008	Chr2:76479	0.00585	TRUE	1	FALSE	0.287036862	FALSE	
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Chr2	71294564	71295162	Chr2:76921	0.00034	TRUE	1	FALSE	0.549696445	FALSE	
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Chr2	71328267	71328846	Chr2:76991	0.01716	TRUE	1	FALSE	0.849708826	FALSE	
Chr2	71466985	71467143	Chr2:77137	0.00654	TRUE	1	FALSE	0.112259765	FALSE	
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Chr2	71515158	71515302	Chr2:77274	0.00396	TRUE	1	FALSE	0.468295302	FALSE	
Chr2	71518192	71518396	Chr2:77285	0.02215	TRUE	1	FALSE	0.600686728	FALSE	hs53
Chr2	71541420	71541707	Chr2:77389	0.00236	FALSE	0.387744451	FALSE	0.124123626	FALSE	
Chr2	71608245	71608488	Chr2:77477	0.00977	TRUE	1	FALSE	0.510831705	FALSE	
Chr2	71628633	71628688	Chr2:77525	0.02587	TRUE	1	FALSE	0.348502703	FALSE	
Chr2	71659500	71659300	Chr2:77628	0.00119	FALSE	0.08546375	FALSE	0.376927421	FALSE	
Chr2	71729650	71729653	Chr2:77650	0.01257	TRUE	1	FALSE	0.204653274	FALSE	
Chr2	71748422	71749747	Chr2:77667	0.00034	TRUE	1	FALSE	0.069364764	FALSE	
Chr2	71750056	71750346	Chr2:77675	0.00002	TRUE	1	FALSE	0.050696376	FALSE	
Chr2	71779649	71779774	Chr2:77731	0.00117	FALSE	0.234154905	FALSE	0.925046422	FALSE	
Chr2	72116732	72116904	Chr2:78182	0.00003	TRUE	0.08546375	FALSE	0.059403586	FALSE	
Chr2	72239197	72239874	Chr2:78445	0.00034	TRUE	0.407109766	FALSE	0.232084199	FALSE	
Chr2	72326725	72326874	Chr2:78589	0.00268	TRUE	1	FALSE	0.522396265	FALSE	
Chr2	72503408	72504449	Chr2:78889	0.00003	TRUE	1	FALSE	0.386178414	FALSE	
Chr2	72697945	72697994	Chr2:79078	0	TRUE	1	FALSE	0.041318834	FALSE	
Chr2	72637755	72637874	Chr2:79125	0.01264	FALSE	0.08546375	FALSE	0.340335564	FALSE	
Chr2	72639138	72639336	Chr2:79135	0.0001	TRUE	1	FALSE	0.053905947	FALSE	
Chr2	72673309	72673629	Chr2:79175	0.00473	TRUE	1	FALSE	0.385287685	FALSE	
Chr2	72812854	72813088	Chr2:79370	0.00507	TRUE	1	FALSE	0.204896074	FALSE	
Chr2	73006801	73007125	Chr2:79537	0.00015	FALSE	0.08546375	FALSE	0.085914018	FALSE	
Chr2	73046674	73046896	Chr2:79565	0.01	TRUE	1	FALSE	0.246507587	FALSE	
Chr2	73051555	73051871	Chr2:79580	0.00364	TRUE	1	FALSE	0.332817783	FALSE	
Chr2	73139746	73140208	Chr2:79715	0.01156	TRUE	1	FALSE	0.811161093	FALSE	
Chr2	73351621	73351739	Chr2:80094	0.00623	TRUE	1	FALSE	0.050815151	FALSE	
Chr2	73486057	73486203	Chr2:80316	0.01086	TRUE	1	FALSE	0.268476406	FALSE	
Chr2	73579375	73579476	Chr2:80408	0.02109	FALSE	0.147029643	FALSE	0.265552286	FALSE	
Chr2	73659138	73659331	Chr2:80496	0.02008	TRUE	1	FALSE	0.56223567	FALSE	
Chr2	73892696	73892856	Chr2:80688	0.0193	TRUE	1	FALSE	0.070416791	FALSE	
Chr2	73991467	73992062	Chr2:80834	0.00271	TRUE	1	FALSE	0.075183219	FALSE	
Chr2	74244387	74244473	Chr2:81346	0.00046	TRUE	1	FALSE	0.041232358	FALSE	
Chr2	74297119	74297964	Chr2:81453	0.00007	TRUE	1	FALSE	0.063817434	FALSE	
Chr2	74349474	74349583	Chr2:81542	0.00071	TRUE	1	FALSE	0.051077062	FALSE	
Chr2	74452139	74452258	Chr2:81689	0.00081	TRUE	1	FALSE	0.054576718	FALSE	
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Chr2	74880011	74880141	Chr2:82094	0.00309	TRUE	1	FALSE	0.055122174	FALSE	
Chr2	74738987	74739942	Chr2:82450	0.02026	FALSE	0.4735894019	FALSE	0.391771372	FALSE	
Chr2	74739865	74739990	Chr2:82471	0.01923	TRUE	1	FALSE	0.505465907	FALSE	
Chr2	74748465	74748590	Chr2:82524	0.0101	TRUE	1	FALSE	0.552836386	FALSE	
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Chr2	74929032	74930062	Chr2:82855	0.00011	FALSE	0.08546375	FALSE	0.03861856	FALSE	
Chr2	74971000	74971127	Chr2:82934	0.00289	TRUE	1	FALSE	0.073785817	FALSE	
Chr2	74974653	74975319	Chr2:82938	0.01717	TRUE	1	FALSE	0.873388549	FALSE	
Chr2	75027689	75027846	Chr2:83043	0.01285	FALSE	0.08546375	FALSE	0.310704289	FALSE	
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Chr2	75138816	75139017	Chr2:83333	0.00071	FALSE	0.08546375	FALSE	0.082459997	FALSE	
Chr2	75142791	75142894	Chr2:83352	0.00771	TRUE	1	FALSE	0.080605346	FALSE	
Chr2	75209792	75209990	Chr2:83546	0.02491	TRUE	1	FALSE	0.544273358	FALSE	
Chr2	75244270	75244427	Chr2:83604	0.00741	TRUE	1	FALSE	0.260970287	FALSE	
Chr2	75423907	75424447	Chr2:84016	0.01014	TRUE	1	FALSE	0.402224624	FALSE	nm515
Chr2	75481779	75481972	Chr2:84155	0.00892	TRUE	1	FALSE	0.180839454	FALSE	
Chr2	75757458	75757697	Chr2:84523	0.00804	TRUE	1	FALSE	0.074667812	FALSE	
Chr2	75936260	75936465	Chr2:84813	0.00093	FALSE	0.08546375	FALSE	0.22111276	FALSE	
Chr2	76006001	76006409	Chr2:84952	0.00913	TRUE	1	FALSE	0.802733889	FALSE	
Chr2	76016812	76017064	Chr2:84969	0.01227	TRUE	0.051417163	FALSE	0.604241134	FALSE	
Chr2	76059240	76059552	Chr2:85005	0.00867	FALSE	0.08546375	FALSE	0.704551415	FALSE	
Chr2	76069189	76069676	Chr2:85089	0.00678	TRUE	1	FALSE	0.580167872	FALSE	
Chr2	76407342	76407498	Chr2:85486	0.00974	TRUE	1	FALSE	0.040484851	FALSE	
Chr2	77170379	77170964	Chr2:86140	0.00211	TRUE	1	FALSE	0.268548066	FALSE	
Chr2	77171408	77171579	Chr2:86148	0.02113	FALSE	0.08546375	FALSE	0.311181315	FALSE	
Chr2	77506514	77506799	Chr2:86624	0.01564	TRUE	1	FALSE	0.623258827	FALSE	
Chr2	77703013	77703693	Chr2:86896	0.00915	TRUE	1	FALSE	0.89177837	FALSE	
Chr2	78650757	78650717	Chr2:89825	0.00148	FALSE	0.08546375	FALSE	0.207978289	FALSE	
Chr2	78959610	78959660	Chr2:90025	0.02582	TRUE	1	FALSE	0.530020693	FALSE	
Chr2	79185863	79186034	Chr2:90298	0.00586	TRUE	1	FALSE	0.175394995	FALSE	
Chr2	79537667	79537820	Chr2:90794	0.00445	FALSE	0.474193774	FALSE	0.246290153	FALSE	
Chr2	79543574	79543768	Chr2:90810	0.00172	TRUE	0.147275801	FALSE	0.237648432	FALSE	
Chr2	79566392	79566556	Chr2:90833	0.00152	TRUE	1	FALSE	0.080945466	FALSE	
Chr2	79638966	79639172	Chr2:90941	0.00952	TRUE	1	FALSE	0.021202844	FALSE	
Chr2	79714495	79715061	Chr2:91100	0.00224	FALSE	0.08546375	FALSE	0.055351792	FALSE	
Chr2	80038451									

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Chr2	103117193	103117477	Chr2:112259	0.00128	TRUE		FALSE	0.280478916	FALSE
Chr2	103330258	103333118	Chr2:112521	0.00689	TRUE	0.382515727	FALSE	0.084138149	FALSE
Chr2	103577875	103578239	Chr2:112823	0.00196	TRUE	1	FALSE	0.059100906	FALSE
Chr2	103589391	103589646	Chr2:112857	0.01812	TRUE	0.75202084	FALSE	0.614258601	FALSE
Chr2	103603253	103603427	Chr2:112885	0.01988	TRUE	1	FALSE	0.541695259	FALSE
Chr2	103639731	103640033	Chr2:112952	0.00328	TRUE	1	FALSE	0.522287123	FALSE
Chr2	103643811	103643957	Chr2:112961	0.00035	TRUE	1	FALSE	0.03327081	FALSE
Chr2	103971571	103971817	Chr2:113479	0.00004	TRUE	0.018278	FALSE	0.123329878	FALSE
Chr2	104467279	104467499	Chr2:114074	0.02403	TRUE	1	FALSE	0.620171425	FALSE
Chr2	104814888	104815018	Chr2:114408	0.01269	TRUE	1	FALSE	0.140064642	FALSE
Chr2	105220697	105220868	Chr2:114479	0.00898	TRUE	1	FALSE	0.547399598	FALSE
Chr2	105433206	105433361	Chr2:115290	0.00071	TRUE	1	FALSE	0.037440274	FALSE
Chr2	105611129	105611337	Chr2:115468	0.00977	TRUE	1	FALSE	0.600399584	FALSE
Chr2	106460742	106460902	Chr2:116701	0.01918	TRUE	1	FALSE	0.425283926	FALSE
Chr2	106577305	106577158	Chr2:116848	0.00317	TRUE	1	FALSE	0.131584878	FALSE
Chr2	106580778	106581072	Chr2:116863	0.00309	TRUE	0.123286587	FALSE	0.583974008	FALSE
Chr2	106696046	106696394	Chr2:117015	0.00175	TRUE	1	FALSE	0.083249246	FALSE
Chr2	106722045	106720708	Chr2:117102	0.01247	TRUE	0.176622646	FALSE	0.825584954	FALSE
Chr2	106720798	106720596	Chr2:117104	0.0003	TRUE	1	FALSE	0.153959017	FALSE
Chr2	106745096	106745282	Chr2:117147	0.00093	TRUE	1	FALSE	0.082464164	FALSE
Chr2	106774506	106774822	Chr2:117188	0.00038	TRUE	1	FALSE	0.101483804	FALSE
Chr2	106778804	106780044	Chr2:117215	0.00011	TRUE	1	FALSE	0.044804239	FALSE
Chr2	106830086	106830192	Chr2:117299	0.00547	TRUE	0.019512773	FALSE	0.367727578	FALSE
Chr2	106895577	106895974	Chr2:117450	0.00326	TRUE	0.017589804	FALSE	0.564356165	FALSE
Chr2	106911618	106911734	Chr2:117470	0.00479	TRUE	0.594105416	FALSE	0.140505057	FALSE
Chr2	107290972	107291357	Chr2:117707	0.00162	TRUE	1	FALSE	0.172048204	FALSE
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Chr2	109696697	109696610	Chr2:119530	0.00005	TRUE	1	FALSE	0.040961008	FALSE
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Chr2	109932424	109932798	Chr2:119818	0.00106	TRUE	1	FALSE	0.117859524	FALSE
Chr2	109936350	109936788	Chr2:119823	0.00105	TRUE	1	FALSE	0.259317178	FALSE
Chr2	110036366	110036627	Chr2:120032	0.00014	TRUE	1	FALSE	0.035213894	FALSE
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Chr2	113324173	113324347	Chr2:123233	0.00114	FALSE	1	FALSE	0.152428995	FALSE
Chr2	114443927	114444052	Chr2:124048	0.01454	TRUE	1	FALSE	0.271277207	FALSE
Chr2	114609415	114609607	Chr2:124177	0.00242	TRUE	1	FALSE	0.140040408	FALSE
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Chr2	114812230	114812407	Chr2:124518	0.00512	TRUE	1	FALSE	0.219857677	FALSE
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Chr2	115277536	115277820	Chr2:125279	0.00004	TRUE	1	FALSE	0.188828797	FALSE
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Chr2	115467751	115467942	Chr2:125587	0.00707	TRUE	1	FALSE	0.333494551	FALSE
Chr2	115469391	115469500	Chr2:125602	0.00326	TRUE	1	FALSE	0.102861131	FALSE
Chr2	115483778	115484328	Chr2:125639	0.00011	TRUE	1	FALSE	0.405914225	FALSE
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Chr2	115514151	115514293	Chr2:125729	0.0001	TRUE	1	FALSE	0.051018859	FALSE
Chr2	115529776	115530061	Chr2:125777	0.00086	TRUE	1	FALSE	0.086243476	FALSE
Chr2	115538186	115538347	Chr2:125796	0.01128	TRUE	1	FALSE	0.388403937	FALSE
Chr2	115779508	115779094	Chr2:126305	0.00329	TRUE	1	FALSE	0.044456893	FALSE
Chr2	115862226	115864684	Chr2:126436	0.01187	TRUE	1	FALSE	0.582485721	FALSE
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Chr2	115872897	115873090	Chr2:126544	0.02067	TRUE	1	FALSE	0.319095639	FALSE
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Chr2	115883835	115884026	Chr2:126580	0.00009	TRUE	1	FALSE	0.031541823	FALSE
Chr2	115924380	115925151	Chr2:126741	0.00032	TRUE	1	FALSE	0.29480553	FALSE
Chr2	115938319	115938464	Chr2:126771	0.00273	TRUE	1	FALSE	0.094176827	FALSE
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Chr2	116009553	116009678	Chr2:126959	0.00208	TRUE	1	FALSE	0.241144447	FALSE
Chr2	116046075	116046204	Chr2:127063	0.00719	TRUE	1	FALSE	0.233625895	FALSE
Chr2	116055824	116056253	Chr2:127123	0.00028	TRUE	0.024079956	FALSE	0.342182947	FALSE
Chr2	116066998	116067189	Chr2:127191	0.02087	TRUE	1	FALSE	0.201745207	FALSE
Chr2	116069619	116069697	Chr2:127205	0.00003	TRUE	1	FALSE	0.124129446	FALSE
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Chr2	116321033	116322123	Chr2:127547	0.00133	TRUE	1	FALSE	0.089060442	FALSE
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Chr2	116972582	116972938	Chr2:128401	0.01042	TRUE	1	FALSE	0.087674809	FALSE
Chr2	117018332	117018488	Chr2:128504	0.00233	TRUE	1	FALSE	0.284716224	FALSE
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Chr2	117614835	117614958	Chr2:129124	0.00516	TRUE	0.186489565	FALSE	0.209047431	FALSE
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Chr2	118749450	118749678	Chr2:130756	0.02027	TRUE	1	FALSE	0.196915005	FALSE
Chr2	119030332	119030353	Chr2:131644	0.02081	TRUE	1	FALSE	0.215132496	FALSE
Chr2	119030578	119030772	Chr2:131785	0.00075	TRUE	0.089292298	FALSE	0.241481265	FALSE
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Chr2	119743232	119743372	Chr2:132429	0.01584	TRUE	1	FALSE	0.175216283	FALSE
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Chr2	119897861	119897998	Chr2:132789	0.01094	FALSE	1	FALSE	0.064476532	FALSE
Chr2	119972387	119972531	Chr2:132973	0.02631	TRUE	1	FALSE	0.054172346	FALSE
Chr2	120001357	120001469	Chr2:133021	0.01401	TRUE	0.819182234	FALSE	0.123239886	FALSE
Chr2	120040251	120040472	Chr2:133303	0.00394	TRUE	1	FALSE	0.076929994	FALSE
Chr2	120054992	120055056	Chr2:133347	0.00562	TRUE	1	FALSE	0.166266104	FALSE
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Chr2	121308013	121308189	Chr2:135843	0.00645	TRUE	0.160429685	FALSE	0.05591578	FALSE
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Chr2	121967302	121967403	Chr2:137015	0.02047	TRUE	1	FALSE	0.220394623	FALSE
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Chr2	124461633	124461858	Chr2:139732	0.00454	TRUE	1	FALSE	0.244022541	FALSE
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Chr2	141013598	141013738	Chr2:158658	0.00202	TRUE	1	FALSE	0.087333257	FALSE	
Chr2	141034852	141035113	Chr2:158693	0.01118	TRUE	0.332990166	FALSE	0.67715595	FALSE	
Chr2	141142387	141142614	Chr2:158841	0.00239	TRUE	1	FALSE	0.15803522	FALSE	
Chr2	141157566	141157788	Chr2:158870	0.00861	TRUE	1	FALSE	0.31057434	FALSE	
Chr2	141190672	141181006	Chr2:158930	0.00009	TRUE	1	FALSE	0.04472338	FALSE	
Chr2	141237813	141238058	Chr2:159074	0.00192	TRUE	1	FALSE	0.427763079	FALSE	
Chr2	141271448	141272098	Chr2:159123	0.00015	TRUE	1	FALSE	0.119998321	FALSE	
Chr2	141289154	141289258	Chr2:159152	0.00294	TRUE	1	FALSE	0.031689956	FALSE	
Chr2	141583733	141583942	Chr2:159530	0.00046	TRUE	1	FALSE	0.151273345	FALSE	
Chr2	142058030	142058316	Chr2:160202	0.00084	TRUE	0.215212637	FALSE	0.252869001	FALSE	
Chr2	142080638	142090119	Chr2:160796	0.00241	TRUE	1	FALSE	0.940478517	FALSE	
Chr2	142967184	142967423	Chr2:161257	0.01165	TRUE	1	FALSE	0.535710446	FALSE	
Chr2	144164184	144164331	Chr2:162179	0.00452	TRUE	1	FALSE	0.2271852472	FALSE	
Chr2	144286970	144286921	Chr2:162225	0.02011	TRUE	1	FALSE	0.23889421	FALSE	
Chr2	145786028	145786418	Chr2:163286	0.00236	TRUE	1	FALSE	0.098645851	FALSE	
Chr2	145888512	145888761	Chr2:163442	0.00091	TRUE	0.198322841	FALSE	0.159881778	FALSE	
Chr2	145898935	145899355	Chr2:163450	0.00972	TRUE	1	FALSE	0.606375532	FALSE	
Chr2	146062088	146062902	Chr2:163666	0.02269	TRUE	1	FALSE	0.704194515	FALSE	
Chr2	146278662	146279004	Chr2:164024	0.00082	TRUE	1	FALSE	0.198719815	FALSE	
Chr2	146324878	146325732	Chr2:164116	0.00009	TRUE	1	FALSE	0.31033311	FALSE	hs688
Chr2	146363151	146363349	Chr2:164208	0.00075	TRUE	1	FALSE	0.385368809	FALSE	
Chr2	146363626	146363732	Chr2:164210	0.00315	TRUE	1	FALSE	0.035927382	FALSE	
Chr2	146851363	146851487	Chr2:164797	0.00137	TRUE	1	FALSE	0.033762802	FALSE	
Chr2	147633109	147633268	Chr2:165770	0.01194	TRUE	1	FALSE	0.107211303	FALSE	
Chr2	147696987	147696925	Chr2:165853	0.02287	TRUE	1	FALSE	0.642140975	FALSE	
Chr2	147941539	147941682	Chr2:166080	0.00257	TRUE	1	FALSE	0.172867088	FALSE	
Chr2	151544729	151544865	Chr2:167360	0.01725	TRUE	1	FALSE	0.083736928	FALSE	
Chr2	151815410	151815516	Chr2:167706	0.00182	TRUE	1	FALSE	0.075766418	FALSE	
Chr2	152080721	152080973	Chr2:167966	0.01914	TRUE	1	FALSE	0.638160217	FALSE	
Chr2	152117713	152117626	Chr2:168087	0.00298	TRUE	1	FALSE	0.125331015	FALSE	
Chr2	152206475	152206912	Chr2:168172	0.00037	TRUE	1	FALSE	0.100422876	FALSE	
Chr2	152905531	152905721	Chr2:168877	0.00354	TRUE	1	FALSE	0.145775556	FALSE	
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Chr2	153479031	153479168	Chr2:169963	0.01989	TRUE	1	FALSE	0.32361773	FALSE	hs2225
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Chr2	153743373	153743516	Chr2:170271	0.01075	TRUE	1	FALSE	0.28827021	FALSE	
Chr2	154459868	154459984	Chr2:170918	0.02307	TRUE	1	FALSE	0.60362208	FALSE	
Chr2	154894078	154894313	Chr2:171131	0.00425	TRUE	1	FALSE	0.292043277	FALSE	
Chr2	158279418	158279617	Chr2:171715	0.00138	TRUE	1	FALSE	0.117080484	FALSE	
Chr2	158817884	158818331	Chr2:172693	0.00376	TRUE	1	FALSE	0.686970296	FALSE	
Chr2	158909178	158909189	Chr2:173441	0.02301	TRUE	1	FALSE	0.445991241	FALSE	
Chr2	158524489	158524645	Chr2:173876	0.02024	TRUE	0.320629404	FALSE	0.083568981	FALSE	
Chr2	157077658	157077831	Chr2:174732	0.00725	TRUE	0.125641334	FALSE	0.355552933	FALSE	
Chr2	157555953	157556174	Chr2:175277	0.02352	TRUE	1	FALSE	0.090149275	FALSE	
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Chr2	157565580	157565844	Chr2:175392	0.00356	TRUE	0.321576424	FALSE	0.140511895	FALSE	
Chr2	157607574	157607843	Chr2:175350	0.00007	TRUE	1	FALSE	0.039229774	FALSE	
Chr2	157698472	157698657	Chr2:175397	0.00567	TRUE	1	FALSE	0.137470509	FALSE	
Chr2	157705179	157705408	Chr2:175407	0.00205	TRUE	1	FALSE	0.110127148	FALSE	
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Chr2	157788089	157789007	Chr2:175485	0.00111	TRUE	1	FALSE	0.353641502	FALSE	
Chr2	157805946	157806208	Chr2:175591	0.00091	TRUE	1	FALSE	0.102229991	FALSE	
Chr2	157838458	157838639	Chr2:175670	0.01997	TRUE	1	FALSE	0.324041286	FALSE	
Chr2	157870512	157870611	Chr2:175728	0.00834	TRUE	1	FALSE	0.317044828	FALSE	
Chr2	157875217	157875365	Chr2:175741	0.00137	TRUE	1	FALSE	0.071202929	FALSE	
Chr2	157887636	157887913	Chr2:175779	0.00499	TRUE	1	FALSE	0.318001392	FALSE	
Chr2	157888526	157888834	Chr2:175954	0.00241	TRUE	1	FALSE	0.27105119	FALSE	
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Chr2	159652015	159652592	Chr2:177918	0.02215	TRUE	1	FALSE	0.59452538	FALSE	
Chr2	159732407	159732733	Chr2:178037	0.00471	TRUE	1	FALSE	0.070991973	FALSE	
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Chr2	160526359	160526752	Chr2:179091	0.01024	TRUE	1	FALSE	0.521207249	FALSE	
Chr2	160552294	160552731	Chr2:179069	0.00552	TRUE	1	FALSE	0.778197138	FALSE	
Chr2	160871377	160871814	Chr2:179528	0.00111	TRUE	1	FALSE	0.208462594	FALSE	
Chr2	161070771	161070987	Chr2:180448	0.00163	TRUE	1	FALSE	0.204532375	FALSE	
Chr2	162001691	162001321	Chr2:180866	0.00565	TRUE	1	FALSE	0.450065872	FALSE	
Chr2	162657644	162657801	Chr2:181511	0.01224	TRUE	1	FALSE	0.066078007	FALSE	
Chr2	162658981	162659201	Chr2:181520	0.00343	TRUE	0.246164445	FALSE	0.213920345	FALSE	
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Chr2	164108537	164108733	Chr2:183184	0.00364	TRUE	1	FALSE	0.260671207	FALSE	
Chr2	164879299	164879770	Chr2:184168	0.0263	TRUE	1	FALSE	0.085081638	FALSE	
Chr2	164891886	164892038	Chr2:184236	0.01038	TRUE	0.265176661	FALSE	0.441058621	FALSE	
Chr2	164943018	164943134	Chr2:184373	0.00483	TRUE	1	FALSE	0.097940025	FALSE	
Chr2	165133845	165133834	Chr2:184887	0.02549	TRUE	1	FALSE	0.322602006	FALSE	
Chr2	165212534	165212776	Chr2:185025	0.02326	TRUE	1	FALSE	0.702234846	FALSE	
Chr2	165588997	165589171	Chr2:185516	0.00682	TRUE	1	FALSE	0.281326093	FALSE	
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Chr2	165604412	165604564	Chr2:185568	0.00349	TRUE	0.266454008	FALSE	0.111058491	FALSE	
Chr2	165609286	165609402	Chr2:185571	0.01316	TRUE	1	FALSE	0.303889351	FALSE	
Chr2	165613969	165614138	Chr2:185574	0.00381	TRUE	1	FALSE	0.140340066	FALSE	
Chr2	165881134	165881452	Chr2:185928	0.02061	TRUE	1	FALSE	0.554209064	FALSE	
Chr2	165895465	165895765	Chr2:185960	0.00552	TRUE	1	FALSE	0.321823901	FALSE	
Chr2	166041012	166041284	Chr2:186030	0.01788	TRUE	1	FALSE	0.497390123	FALSE	
Chr2	166070869	166071141	Chr2:186140	0.01824	TRUE	1	FALSE	0.993401762	FALSE	
Chr2	166098102	166098237	Chr2:186238	0.01735	TRUE	0.247657745	FALSE	0.262123665	FALSE	
Chr2	166136323	166136465	Chr2:186263	0.02451	TRUE	0.073809312	FALSE	0.878099678	FALSE	
Chr2	166142793	166142993	Chr2:186268	0.02024	TRUE	0.808436305	FALSE	0.253894373	FALSE	
Chr2	167138957	167137180	Chr2:187387	0.01308	TRUE	1	FALSE	0.52065348	FALSE	
Chr2	167373351	167373558	Chr2:187539	0.01443	TRUE	1	FALSE	0.309160865	FALSE	
Chr2	168078486	168078746	Chr2:188197	0.00278	TRUE	1	FALSE	0.117196271	FALSE	
Chr2	168205147	168205603	Chr2:188355	0.00526	TRUE	1	FALSE	0.782973576	FALSE	
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Chr2	168207316	168207554	Chr2:188370	0.0245	TRUE	1	FALSE	0.11850566	FALSE	
Chr2	168333925	168333716	Chr2:188519	0.01423	TRUE	0.509759506	FALSE	0.573504045	FALSE	
Chr2	168604862	168605350	Chr2:188751	0.00227	TRUE	1	FALSE	0.099460737	FALSE	
Chr2	168626731	168626858	Chr2:188788	0.02147	TRUE	1	FALSE	0.522765208	FALSE	
Chr2	168762085	168762846	Chr2:189104	0.00644	TRUE	1	FALSE	0.083463229	FALSE	
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Chr2	169484169	169484398	Chr2:190025	0.00892	TRUE	1	FALSE	0.244532342	FALSE	
Chr2	169547861	169548088	Chr2:190098	0.00004	TRUE	0.230441763	FALSE	0.037899654	FALSE	
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Chr2	169750887	169751105	Chr2:190500	0.00724	TRUE	1	FALSE	0.461108023	FALSE	
Chr2	169751182	169751399	Chr2:190508	0.00017	TRUE	0.203743845	FALSE	0.048523781	FALSE	
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Chr3	21495652	21495856	Chr3.10853	0.00276	TRUE	1	FALSE	0.43046993	FALSE	
Chr3	21558228	21558444	Chr3.10899	0.00145	TRUE	1	FALSE	0.20063430	FALSE	
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Chr3	27604041	27604173	Chr3.15239	0.00082	TRUE	0.3072069	FALSE	0.178271458	FALSE	
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Chr3	27776032	27776331	Chr3.15441	0.0018	TRUE	1	FALSE	0.233796709	FALSE	
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Chr3	30108041	30108935	Chr3.18214	0.01217	TRUE	1	FALSE	1	FALSE	hs1433
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Chr3	30192529	30193238	Chr3.18438	0.00005	TRUE	1	FALSE	0.215949774	FALSE	
Chr3	30213579	30213691	Chr3.18505	0.00943	TRUE	1	FALSE	0.219885741	FALSE	
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Chr3	30466509	30466753	Chr3.19149	0.01982	TRUE	1	FALSE	0.719958328	FALSE	
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Chr3	35481366	35481489	Chr3.23957	0.00205	TRUE	0.076585114	FALSE	0.224400839	FALSE	
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Chr3	38585446	38585663	Chr3.26208	0.00963	TRUE	1	FALSE	0.820287848	FALSE	
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Chr3	39202705	39203086	Chr3.27144	0.01454	TRUE	1	FALSE	0.922122852	FALSE	
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Chr3	39763872	39764164	Chr3.27430	0.01476	TRUE	1	FALSE	0.352730075	FALSE	
Chr3	39771590	39771690	Chr3.27436	0.00163	TRUE	0.313474844	FALSE	0.190368574	FALSE	
Chr3	39904122	39904356	Chr3.27521	0.00033	TRUE	1	FALSE	0.112691303	FALSE	
Chr3	40021711	40022123	Chr3.27612	0.00098	TRUE	1	FALSE	0.084643222	FALSE	
Chr3	40262913	40263413	Chr3.27762	0.00012	TRUE	1	FALSE	0.79992322	FALSE	
Chr3	40168216	40168419	Chr3.27787	0.00153	TRUE	0.888848253	FALSE	0.18267161	FALSE	
Chr3	40320398	40320655	Chr3.27942	0.00323	TRUE	1	FALSE	0.169887176	FALSE	
Chr3	40377656	40377767	Chr3.27996	0.00759	TRUE	1	FALSE	0.61063993	FALSE	
Chr3	40485247	40484098	Chr3.28120	0	TRUE	1	FALSE	0.185564664	FALSE	
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Chr3	41317900	41318918	Chr3.28853	0.00671	TRUE	0.01250606	FALSE	0.837093438	FALSE	
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Chr3	41564213	41564555	Chr3.29069	0.00448	TRUE	1	FALSE	0.477725762	FALSE	
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Chr3	45355163	45356071	Chr3.31007	0.01228	TRUE	1	FALSE	0.441655411	FALSE	
Chr3	45378001	45378232	Chr3.31040	0.00325	TRUE	1	FALSE	0.058990446	FALSE	
Chr3	49752773	49752891	Chr3.32875	0.00783	TRUE	1	FALSE	0.01771765	FALSE	
Chr3	49756704	49759233	Chr3.32879	0.00005	TRUE	1	FALSE	0.240802301	FALSE	
Chr3	49867054	49867293	Chr3.33000	0.00691	TRUE	1	FALSE	0.032753227	FALSE	
Chr3	49887444	49887560	Chr3.33130	0.0134	TRUE	1	FALSE	0.213981418	FALSE	
Chr3	49908959	49909207	Chr3.33144	0.01278	TRUE	1	FALSE	0.499738972	FALSE	
Chr3	50396309	50396474	Chr3.33548	0.01228	TRUE	0.08845478	FALSE	0.562300495	FALSE	
Chr3	50906211	50906323	Chr3.34096	0.00188	TRUE	1	FALSE	0.037253321	FALSE	
Chr3	50927208	50927416	Chr3.34136	0.00143	TRUE	0.732258758	FALSE	0.18529189	FALSE	
Chr3	51041410	51041606	Chr3.34324	0.01046	TRUE	1	FALSE	0.733091991	FALSE	
Chr3	51042473	51042816	Chr3.34334	0.01665	TRUE	1	FALSE	0.837196175	FALSE	
Chr3	51108703	51109001	Chr3.34474	0.0004	TRUE	1	FALSE	0.446645376	FALSE	
Chr3	51135856	51136015	Chr3.34509	0.00134	TRUE	0.390221353	FALSE	0.474505883	FALSE	
Chr3	51156137	51156334	Chr3.34529	0.00023	TRUE	1	FALSE	0.237211103	FALSE	
Chr3	51156448	51156596	Chr3.34531	0.00208	TRUE	1	FALSE	0.160212186	FALSE	
Chr3	51157078	51157357	Chr3.34534	0.00025	TRUE	1	FALSE	0.03695996	FALSE	
Chr3	51178175	51178379	Chr3.34563	0.00913	TRUE	1	FALSE	0.221392234	FALSE	
Chr3	51474919	51475135	Chr3.34801	0.00387	TRUE	1	FALSE	0.825363966	FALSE	
Chr3	51744385	51744699	Chr3.35119	0.00786	TRUE	1	FALSE	0.415549898	FALSE	
Chr3	51761581	51761740	Chr3.35155	0.00917	TRUE	1	FALSE	0.328127916	FALSE	
Chr3	51778249	51778534	Chr3.35167	0.00045	TRUE	1	FALSE	0.08656489	FALSE	
Chr3	51889915	51889930	Chr3.35370	0.01392	TRUE	1	FALSE	0.402118855	FALSE	
Chr3	52007783	52007967	Chr3.35529	0.02384	TRUE	1	FALSE	0.278994072	FALSE	
Chr3	52033966	52034097	Chr3.35590	0.0216	TRUE	1	FALSE	0.113423652	FALSE	
Chr3	52975255	52975489	Chr3.36655	0.01378	TRUE	1	FALSE	0.126210402	FALSE	
Chr3	53226314	53226504	Chr3.36923	0.0149	TRUE	1	FALSE	0.215351271	FALSE	
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Chr3	53706177	53706329	Chr3.37604	0.01826	TRUE	1	FALSE	0.408283259	FALSE	
Chr3	54462185	54462303	Chr3.37964	0.00993	TRUE	1	FALSE	0.364716193	FALSE	
Chr3	54478032	54478202	Chr3.37975	0.00832	TRUE	1	FALSE	0.340435781	FALSE	
Chr3	54807247	54807384	Chr3.38262	0.0198	TRUE	1	FALSE	0.277100885	FALSE	
Chr3	55473167	55473365	Chr3.38850	0.01287	TRUE	1	FALSE	0.161815792	FALSE	
Chr3	55496113	55496297	Chr3.38920	0.0002	TRUE	1	FALSE	0.070591223	FALSE	
Chr3	55511835	55512175	Chr3.38934	0.00037	TRUE	1	FALSE	0.643255852	FALSE	
Chr3	55571797	55571951	Chr3.39109	0.02092	TRUE	1	FALSE	0.12947215	FALSE	
Chr3	55599630	55599928	Chr3.39134	0.00018	TRUE	1	FALSE	0.041496572	FALSE	
Chr3	55695420	55695548	Chr3.39270	0.00027	TRUE	1	FALSE	0.246343454	FALSE	
Chr3	55751395	55751798	Chr3.39358	0.00551	TRUE	1	FALSE	0.347427308	FALSE	
Chr3	55815916	55816096	Chr3.39500	0.00867	TRUE	1	FALSE	0.582043755	FALSE	
Chr3										

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Chr3	85535497	85535633	Chr3.59521	0.0027	TRUE	1	FALSE	0.082230309	FALSE
Chr3	85780479	85780608	Chr3.60032	0.02825	TRUE	1	FALSE	0.144740269	FALSE
Chr3	85928122	85928488	Chr3.60176	0.01488	TRUE	1	FALSE	0.570402267	FALSE
Chr3	86038861	86038878	Chr3.60263	0.00697	TRUE	1	FALSE	0.371267453	FALSE
Chr3	86084441	86084588	Chr3.60312	0.00001	TRUE	0.01275466	FALSE	0.043874668	FALSE
Chr3	86323595	86323757	Chr3.60778	0.01273	TRUE	1	FALSE	0.243282473	FALSE
Chr3	86548026	86548145	Chr3.60898	0.03333	TRUE	1	FALSE	0.146460945	FALSE
Chr3	86554892	86555030	Chr3.60896	0.01019	TRUE	1	FALSE	0.406308505	FALSE
Chr3	86555104	86555285	Chr3.60887	0.00039	TRUE	1	FALSE	0.061359193	FALSE
Chr3	86597070	86597172	Chr3.60910	0.02646	TRUE	1	FALSE	0.847384816	FALSE
Chr3	86659026	86659712	Chr3.60891	0.00403	TRUE	1	FALSE	0.043999241	FALSE
Chr3	86708583	86708953	Chr3.61051	0.00003	TRUE	1	FALSE	0.113300033	FALSE
Chr3	86860167	86860687	Chr3.61332	0	TRUE	0.513159143	FALSE	0.135558891	FALSE
Chr3	86861325	86861488	Chr3.61361	0.02228	TRUE	1	FALSE	0.251617887	FALSE
Chr3	87158412	87158567	Chr3.61585	0.00259	TRUE	1	FALSE	0.153193984	FALSE
Chr3	87789872	87790020	Chr3.62435	0.00725	TRUE	1	FALSE	0.03348662	FALSE
Chr3	87785913	87786012	Chr3.62453	0.0202	TRUE	1	FALSE	0.104670895	FALSE
Chr3	88138372	88138444	Chr3.63420	0.00569	TRUE	1	FALSE	0.040615629	FALSE
Chr3	88171290	88171448	Chr3.63545	0.01555	TRUE	1	FALSE	0.198801168	FALSE
Chr3	88222502	88222700	Chr3.63606	0.005	TRUE	1	FALSE	0.073485996	FALSE
Chr3	88455596	88455771	Chr3.64170	0.00008	TRUE	1	FALSE	0.073181219	FALSE
Chr3	88531840	88532106	Chr3.64346	0.0047	TRUE	1	FALSE	0.137096482	FALSE
Chr3	88771723	88772081	Chr3.64992	0.00461	TRUE	1	FALSE	0.036119324	FALSE
Chr3	89077518	89077688	Chr3.65473	0.0243	TRUE	1	FALSE	0.237353755	FALSE
Chr3	89278117	89278333	Chr3.66272	0.02025	TRUE	0.496078662	FALSE	0.317265219	FALSE
Chr3	89281077	89281176	Chr3.66285	0.00442	TRUE	1	FALSE	0.03506755	FALSE
Chr3	89394542	89394907	Chr3.66708	0.00077	FALSE	1	FALSE	0.034343444	FALSE
Chr3	89418744	89418863	Chr3.66804	0.01216	TRUE	1	FALSE	0.101688182	FALSE
Chr3	89521597	89521838	Chr3.67095	0.00854	TRUE	1	FALSE	0.412172465	FALSE
Chr3	89563823	89563935	Chr3.67270	0.02333	TRUE	1	FALSE	0.345724774	FALSE
Chr3	89565025	89565135	Chr3.67281	0.01827	TRUE	1	FALSE	0.319861522	FALSE
Chr3	90049349	90049458	Chr3.67971	0.00412	TRUE	1	FALSE	0.084058325	FALSE
Chr3	90212581	90212758	Chr3.68262	0.00977	TRUE	1	FALSE	0.172382024	FALSE
Chr3	90255010	90255123	Chr3.68404	0.02722	FALSE	0.059366067	FALSE	0.272717771	FALSE
Chr3	90292754	90293193	Chr3.68599	0.0102	TRUE	1	FALSE	0.155727545	FALSE
Chr3	90322499	90322651	Chr3.68623	0.00701	TRUE	0.59523622	FALSE	0.196445956	FALSE
Chr3	90355892	90356007	Chr3.69119	0.012	FALSE	1	FALSE	0.202819773	FALSE
Chr3	90537115	90537420	Chr3.69180	0.00594	TRUE	1	FALSE	0.122874963	FALSE
Chr3	92485918	92486088	Chr3.69465	0.0002	TRUE	1	FALSE	0.040841934	FALSE
Chr3	93368625	93368942	Chr3.69957	0.01287	TRUE	0.11070799	FALSE	0.4890794	FALSE
Chr3	94733415	94733550	Chr3.70792	0.00108	TRUE	1	FALSE	0.117819052	FALSE
Chr3	94783761	94783887	Chr3.70796	0.02299	TRUE	1	FALSE	0.074420108	FALSE
Chr3	95161366	95161568	Chr3.71607	0.01548	TRUE	1	FALSE	0.102805022	FALSE
Chr3	95163559	95163691	Chr3.71628	0.00036	TRUE	0.959258547	FALSE	0.32246842	FALSE
Chr3	95163900	95164073	Chr3.71628	0.00204	TRUE	1	FALSE	0.120372824	FALSE
Chr3	95164112	95164211	Chr3.71631	0.00081	TRUE	1	FALSE	0.032055473	FALSE
Chr3	95194586	95194719	Chr3.71736	0.00086	TRUE	1	FALSE	0.09221501	FALSE
Chr3	95312697	95312824	Chr3.72005	0.00255	TRUE	1	FALSE	0.074660222	FALSE
Chr3	95468002	95468160	Chr3.72234	0.01675	TRUE	1	FALSE	0.199248838	FALSE
Chr3	96557717	96557947	Chr3.73884	0.00462	TRUE	1	FALSE	0.094958183	FALSE
Chr3	96560754	96560886	Chr3.73925	0.00409	FALSE	1	FALSE	0.04337442	FALSE
Chr3	96596767	96597212	Chr3.73981	0.01832	TRUE	1	FALSE	0.154649683	FALSE
Chr3	96931256	96931522	Chr3.74674	0.00608	TRUE	1	FALSE	0.184652095	FALSE
Chr3	96935933	96934139	Chr3.74693	0.01626	FALSE	0.474383017	FALSE	0.438848433	FALSE
Chr3	97296377	97296548	Chr3.75117	0.00136	TRUE	1	FALSE	0.189524523	FALSE
Chr3	97298845	97299076	Chr3.75136	0.00202	TRUE	1	FALSE	0.04771784	FALSE
Chr3	97767328	97767597	Chr3.75619	0.00109	FALSE	1	FALSE	0.046579331	FALSE
Chr3	97776374	97776518	Chr3.75638	0.02397	TRUE	1	FALSE	0.305693789	FALSE
Chr3	98024539	98024856	Chr3.75889	0.0014	TRUE	1	FALSE	0.278420996	FALSE
Chr3	98061987	98062263	Chr3.75979	0.01915	TRUE	1	FALSE	0.785326844	FALSE
Chr3	98033861	98044221	Chr3.75995	0.00208	TRUE	1	FALSE	0.187952072	FALSE
Chr3	98073007	98073175	Chr3.76041	0.0106	TRUE	1	FALSE	0.070471295	FALSE
Chr3	98108535	98108688	Chr3.76139	0.01804	TRUE	1	FALSE	0.762405804	FALSE
Chr3	98382789	98382958	Chr3.76519	0.00375	TRUE	1	FALSE	0.044589553	FALSE
Chr3	98922187	98922306	Chr3.77062	0.00303	TRUE	1	FALSE	0.076473838	FALSE
Chr3	98941022	98941331	Chr3.77072	0.00763	TRUE	1	FALSE	0.308973021	FALSE
Chr3	98989692	98989160	Chr3.77091	0.00746	FALSE	0.045952398	FALSE	0.70873758	FALSE
Chr3	99174916	99175268	Chr3.77219	0.00523	TRUE	1	FALSE	0.180675018	FALSE
Chr3	99184067	99184221	Chr3.77238	0.00985	TRUE	0.3126204	FALSE	0.319021475	FALSE
Chr3	99203157	99203533	Chr3.77258	0.01921	TRUE	1	FALSE	0.3172567	FALSE
Chr3	99349295	99349427	Chr3.77560	0.01116	TRUE	1	FALSE	0.17106395	FALSE
Chr3	99593524	99593671	Chr3.77755	0.01851	TRUE	1	FALSE	0.296118858	FALSE
Chr3	99749889	99750001	Chr3.77889	0.00551	TRUE	1	FALSE	0.229970709	FALSE
Chr3	99823305	99823474	Chr3.77987	0.00238	TRUE	1	FALSE	0.05698136	FALSE
Chr3	101300585	101300688	Chr3.79632	0.00291	TRUE	1	FALSE	0.149717218	FALSE
Chr3	101551505	101551709	Chr3.79973	0.02098	TRUE	1	FALSE	0.354910335	FALSE
Chr3	101562559	101562806	Chr3.79996	0.02137	TRUE	1	FALSE	0.895391073	FALSE
Chr3	102009910	102010516	Chr3.80477	0.02188	TRUE	1	FALSE	0.808063483	FALSE
Chr3	10226218	102262988	Chr3.80758	0.00065	TRUE	1	FALSE	0.041153737	FALSE
Chr3	10226591	102265860	Chr3.81084	0.00247	TRUE	1	FALSE	0.181639808	FALSE
Chr3	102596844	102597280	Chr3.81153	0.00362	TRUE	1	FALSE	0.274541112	FALSE
Chr3	102665654	102666055	Chr3.81218	0.00264	TRUE	1	FALSE	0.103141233	FALSE
Chr3	102683391	102683515	Chr3.81242	0.0032	TRUE	1	FALSE	0.044687771	FALSE
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Chr3	103575186	103575323	Chr3.82025	0.00617	TRUE	0.265004782	FALSE	0.136895024	FALSE
Chr3	103579823	103579936	Chr3.82041	0.00889	TRUE	0.17182808	FALSE	0.384719757	FALSE
Chr3	103778909	103778621	Chr3.82456	0.00037	FALSE	0.012122472	FALSE	0.1059996	FALSE
Chr3	104930780	104931125	Chr3.83008	0.00004	TRUE	1	FALSE	0.038629379	FALSE
Chr3	104936009	104936146	Chr3.83923	0.0126	TRUE	1	FALSE	0.248461757	FALSE
Chr3	104938744	104939062	Chr3.83929	0.00686	TRUE	1	FALSE	0.683252295	FALSE
Chr3	104940081	104940907	Chr3.83935	0.008	TRUE	1	FALSE	0.16468473	FALSE
Chr3	104960117	104960221	Chr3.84004	0.01415	TRUE	1	FALSE	0.109558085	FALSE
Chr3	104964397	104964675	Chr3.84014	0.00426	TRUE	1	FALSE	0.055874002	FALSE
Chr3	105004431	105004558	Chr3.84038	0.00964	FALSE	1	FALSE	0.086302591	FALSE
Chr3	105452117	105452322	Chr3.84591	0.02244	TRUE	1	FALSE	0.035875928	FALSE
Chr3	105569728	105569936	Chr3.84798	0.00308	TRUE	1	FALSE	0.063334684	FALSE
Chr3	105701480	105701582	Chr3.85014	0.00565	TRUE	1	FALSE	0.125196525	FALSE
Chr3	107329559	107329705	Chr3.86656	0.01793	TRUE	1	FALSE	0.54778116	FALSE
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Chr3	107528727	107528926	Chr3.87020	0.01906	TRUE	1	FALSE	0.210332832	FALSE
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Chr3	107599340	107599458	Chr3.87122	0.01063	TRUE	1	FALSE	0.050281675	FALSE
Chr3	107749729	107749902	Chr3.87422	0.01352	TRUE	1	FALSE	0.090285255	FALSE
Chr3	108148983	108149187	Chr3.87964	0.00712	TRUE	1	FALSE	0.206303009	FALSE
Chr3	108175326	108175481	Chr3.88041	0.00131	TRUE	1	FALSE	0.079596798	FALSE
Chr3	108199725	108198825	Chr3.88131	0.00038	TRUE	1	FALSE	0.06432787	FALSE
Chr3	108197300	108197491	Chr3.88137	0.00176	FALSE	0.456149555	FALSE	0.085528794	FALSE
Chr3	108202200	108202408	Chr3.88180	0.01019	TRUE	1	FALSE	0.160264709	FALSE
Chr3	108282521	108282750	Chr3.88335	0.02467	TRUE	0.430275603	FALSE	0.906670224	FALSE
Chr3	108361099	108361503	Chr3.88477	0.01742	TRUE	1	FALSE	0.727570755	FALSE
Chr3	108424559	108424743	Chr3.89201	0.02454	TRUE	1	FALSE	0.181168696	FALSE
Chr3	10892431	108952565	Chr3.89269	0.01051	TRUE	1	FALSE	0.482833525	FALSE
Chr3	109579137	109579132	Chr3.90207	0.00293	TRUE	1	FALSE	0.048997077	FALSE
Chr3	112126073	112260787	Chr3.92296	0.00054	FALSE	1	FALSE	0.110451812	FALSE
Chr3	114065980	114066131	Chr3.93104	0.00526	TRUE	1	FALSE	0.078875112	FALSE
Chr3	115711380	115711516	Chr3.94164	0.00225	TRUE	1	FALSE	0.104930604	FALSE
Chr3	115962005	115962346	Chr3.94415	0.00277	FALSE	0.231381654	FALSE	0.832189305	FALSE
Chr3	1163								

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Chr3	129150716	129150883	Chr3.106863	0.00381	TRUE	1	FALSE	0.357898439	FALSE	
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Chr3	129207982	129208527	Chr3.106809	0.00844	TRUE	1	FALSE	0.388068694	FALSE	
Chr3	129211719	129211887	Chr3.106819	0.00502	TRUE	1	FALSE	0.106952643	FALSE	
Chr3	129336305	129336458	Chr3.107095	0.00275	TRUE	1	FALSE	0.357047473	FALSE	
Chr3	130182384	130182682	Chr3.107827	0.00561	TRUE	1	FALSE	0.047071638	FALSE	
Chr3	130310740	130310935	Chr3.108065	0.02417	TRUE	1	FALSE	0.105898668	FALSE	
Chr3	130317199	130317311	Chr3.108090	0.00759	TRUE	1	FALSE	0.173286165	FALSE	
Chr3	130337592	130337847	Chr3.108109	0.00306	TRUE	1	FALSE	0.033891404	FALSE	
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Chr3	130679971	130671096	Chr3.108742	0.01651	TRUE	1	FALSE	0.549618076	FALSE	
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Chr3	130943381	130943906	Chr3.109099	0.00027	TRUE	1	FALSE	0.309524339	FALSE	
Chr3	130945078	130946194	Chr3.109108	0.01532	TRUE	1	FALSE	0.212483969	FALSE	
Chr3	130946598	130946762	Chr3.109112	0.01865	TRUE	1	FALSE	0.041417807	FALSE	
Chr3	130963488	130963661	Chr3.109133	0.00002	TRUE	1	FALSE	0.041507752	FALSE	hs1545
Chr3	131105602	131105770	Chr3.109382	0.0046	TRUE	1	FALSE	0.242873001	FALSE	
Chr3	131138315	131138867	Chr3.109372	0.00012	TRUE	1	FALSE	0.275228084	FALSE	
Chr3	131772585	131772798	Chr3.109916	0.0032	TRUE	1	FALSE	0.188431262	FALSE	
Chr3	131942073	131942280	Chr3.110079	0.01177	TRUE	1	FALSE	0.289538171	FALSE	
Chr3	132562041	132562182	Chr3.110705	0.0179	TRUE	1	FALSE	0.398444156	FALSE	
Chr3	132611559	132611722	Chr3.110753	0.00117	TRUE	1	FALSE	0.04046063	FALSE	
Chr3	132612725	132613012	Chr3.110757	0.00021	TRUE	1	FALSE	0.133161598	FALSE	
Chr3	133600705	133601110	Chr3.111729	0.00024	TRUE	1	FALSE	0.114875318	FALSE	
Chr3	133878744	133878847	Chr3.111877	0.00759	TRUE	1	FALSE	0.101862947	FALSE	
Chr3	134146795	134146958	Chr3.112033	0.01741	TRUE	1	FALSE	0.272884003	FALSE	
Chr3	134180943	134181044	Chr3.112059	0.00624	TRUE	1	FALSE	0.044503301	FALSE	
Chr3	134237283	134237802	Chr3.112093	0.00011	TRUE	1	FALSE	0.375151138	FALSE	
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Chr4	57489933	Chr4.44541	0.00026	TRUE	1	FALSE	0.07786927	FALSE	
Chr4	57537985	Chr4.44587	0.00013	TRUE	1	FALSE	0.063763591	FALSE	
Chr4	57545800	Chr4.44599	0.00361						

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Chr4	66402897	66403078	Chr4.52183	0.01505	TRUE	1	FALSE	0.16886205	FALSE	
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Chr4	70243661	70243848	Chr4.55261	0.00198	TRUE	1	FALSE	0.253279746	FALSE	
Chr4	72167630	72167880	Chr4.56654	0.00007	TRUE	1	FALSE	0.044547657	FALSE	
Chr4	72193228	72193292	Chr4.56705	0.00323	TRUE	1	FALSE	0.327585986	FALSE	
Chr4	72198861	72199105	Chr4.56720	0.00065	TRUE	1	FALSE	0.10896443	FALSE	
Chr4	72204371	72204957	Chr4.56743	0.01986	TRUE	1	FALSE	0.942821389	FALSE	
Chr4	72205044	72205240	Chr4.56745	0.00341	TRUE	1	FALSE	0.427286148	FALSE	
Chr4	72391960	72392086	Chr4.56870	0.00128	TRUE	1	FALSE	0.102669281	FALSE	
Chr4	72562999	72563150	Chr4.56953	0.00521	TRUE	1	FALSE	0.075627469	FALSE	
Chr4	73790776	73790958	Chr4.57593	0.00793	TRUE	1	FALSE	0.03229453	FALSE	
Chr4	75984983	75985152	Chr4.60340	0.00191	TRUE	1	FALSE	0.335230003	FALSE	
Chr4	75991675	75992207	Chr4.58826	0.00086	TRUE	1	FALSE	0.320779803	FALSE	
Chr4	76009069	76010023	Chr4.58874	0.00243	TRUE	1	FALSE	0.081958416	FALSE	
Chr4	76190838	76191163	Chr4.59205	0.01439	TRUE	1	FALSE	0.548115564	FALSE	
Chr4	76370024	76370261	Chr4.59476	0.01145	TRUE	1	FALSE	0.305715082	FALSE	
Chr4	76448037	76448399	Chr4.59611	0.00014	TRUE	1	FALSE	0.043625167	FALSE	
Chr4	76451089	76451188	Chr4.59645	0.01586	TRUE	0.556924306	1	FALSE	0.496152117	FALSE
Chr4	76503248	76503538	Chr4.59743	0.00325	TRUE	1	FALSE	0.252746731	FALSE	
Chr4	76608361	76608582	Chr4.59873	0.01675	TRUE	1	FALSE	0.514924071	FALSE	
Chr4	77259653	77259919	Chr4.60443	0.00571	TRUE	1	FALSE	0.25374798	FALSE	
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Chr4	81488993	81489282	Chr4.62726	0.01455	TRUE	1	FALSE	0.562081608	FALSE	
Chr4	81578906	81579370	Chr4.62887	0.00262	TRUE	1	FALSE	0.55798042	FALSE	
Chr4	81580065	81580611	Chr4.62908	0.00977	TRUE	1	FALSE	0.592897414	FALSE	
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Chr4	81728229	81728573	Chr4.63112	0.01381	TRUE	1	FALSE	0.634932923	FALSE	
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Chr4	81823263	81823374	Chr4.63206	0.00594	TRUE	0.280426939	1	FALSE	0.356995924	FALSE
Chr4	81825330	81825505	Chr4.63293	0.00877	TRUE	1	FALSE	0.204690006	FALSE	
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Chr4	82092538	82093186	Chr4.63515	0.01444	TRUE	1	FALSE	0.813061075	FALSE	
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Chr4	82437658	82438218	Chr4.64183	0.00072	TRUE	1	FALSE	0.725884966	FALSE	
Chr4	82467357	82467719	Chr4.64280	0.00054	TRUE	1	FALSE	0.242100312	FALSE	
Chr4	82470589	82470756	Chr4.64296	0.01275	TRUE	1	FALSE	0.190988596	FALSE	
Chr4	82474229	82474787	Chr4.64277	0.00512	TRUE	1	FALSE	0.917828413	FALSE	
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Chr4	82495596	82495921	Chr4.64346	0.01383	TRUE	1	FALSE	0.590112089	FALSE	
Chr4	82507915	82508046	Chr4.64424	0.00001	TRUE	1	FALSE	0.034511322	FALSE	
Chr4	82509145	82509277	Chr4.64430	0.00088	FALSE	1	FALSE	0.118333938	FALSE	
Chr4	82513835	82514093	Chr4.64452	0.00971	TRUE	1	FALSE	0.508411204	FALSE	
Chr4	82560254	82560509	Chr4.64566	0.00012	TRUE	0.14364265	1	FALSE	0.134897399	FALSE
Chr4	82599463	82599811	Chr4.64634	0.00047	FALSE	1	FALSE	0.517785374	FALSE	
Chr4	82604838	82605262	Chr4.64658	0.00043	TRUE	1	FALSE	0.216566016	FALSE	
Chr4	82606661	82606780	Chr4.64666	0.014	TRUE	1	FALSE	0.272654602	FALSE	
Chr4	82691709	82692067	Chr4.64763	0.01364	TRUE	1	FALSE	0.35227783	FALSE	
Chr4	82703034	82703544	Chr4.64781	0.00609	TRUE	0.273231502	1	FALSE	0.29844912	FALSE
Chr4	82891003	82891340	Chr4.64998	0.00115	TRUE	0.403589052	1	FALSE	0.314138884	FALSE
Chr4	83122732	83123108	Chr4.65370	0.00406	TRUE	1	FALSE	0.46698938	FALSE	
Chr4	83143979	83143276	Chr4.65769	0.00475	TRUE	1	FALSE	0.181082454	FALSE	
Chr4	83926483	83926811	Chr4.66004	0.00005	TRUE	1	FALSE	0.058291883	FALSE	
Chr4	83990668	83990788	Chr4.66136	0.00525	TRUE	1	FALSE	0.107155327	FALSE	
Chr4	84018440	84018641	Chr4.66185	0.00573	FALSE	1	FALSE	0.090716307	FALSE	
Chr4	84119629	84120097	Chr4.66466	0.02118	TRUE	1	FALSE	0.859563602	FALSE	
Chr4	84274444	84274625	Chr4.66741	0.0075	TRUE	1	FALSE	0.301230483	FALSE	
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Chr4	84319279	84319405	Chr4.66912	0.02083	TRUE	0.22045445	1	FALSE	0.574337164	FALSE
Chr4	84324864	84325097	Chr4.66920	0.01792	TRUE	0.432480468	1	FALSE	0.856734068	FALSE
Chr4	84320525	84320458	Chr4.66978	0.00865	TRUE	1	FALSE	0.187693089	FALSE	
Chr4	84426153	84426328	Chr4.67210	0.01611	TRUE	1	FALSE	0.232135993	FALSE	
Chr4	84456075	84456193	Chr4.67275	0.01037	TRUE	1	FALSE	0.289699593	FALSE	
Chr4	84457219	84457620	Chr4.67285	0.02064	TRUE	1	FALSE	0.527663889	FALSE	
Chr4	84500642	84501199	Chr4.67401	0.00078	FALSE	1	FALSE	0.681681676	FALSE	
Chr4	84501832	84502166	Chr4.67407	0.00337	TRUE	1	FALSE	0.311051166	FALSE	
Chr4	84502672	84502891	Chr4.67415	0.00435	TRUE	1	FALSE	0.120918811	FALSE	
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Chr4	84634676	84635215	Chr4.67783	0.00469	TRUE	1	FALSE	0.700166778	FALSE	
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Chr4	85027453	85027553	Chr4.68614	0.00233	TRUE	1	FALSE	0.122318473	FALSE	
Chr4	85741877	85742470	Chr4.69001	0.00078	TRUE	1	FALSE	0.333525067	FALSE	
Chr4	85831772	85832172	Chr4.69025	0.00017	FALSE	1	FALSE	0.234422505	FALSE	
Chr4	85837139	85837519	Chr4.69013	0.00011	TRUE	1	FALSE	0.073353568	FALSE	
Chr4	85844757	85844954	Chr4.69028	0.01887	TRUE	1	FALSE	0.699372015	FALSE	
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Chr4	86020961	86020954	Chr4.69081	0.00812	TRUE	1	FALSE	0.037695051	FALSE	
Chr4	86041138	86041353	Chr4.69310	0.00043	TRUE	1	FALSE	0.047625129	FALSE	
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Chr4	86053037	86053277	Chr4.69336	0.00017	TRUE	1	FALSE	0.043468533	FALSE	
Chr4	86074943	86075082	Chr4.69397	0.00713	TRUE	1	FALSE	0.067389583	FALSE	
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Chr4	86203075	86202172	Chr4.69576	0.00245	FALSE	1	FALSE	0.098627822	FALSE	
Chr4	86243706	86243805	Chr4.69640	0.00322	TRUE	0.39279237	1	FALSE	0.183177385	FALSE
Chr4	86275716	86275864	Chr4.69700	0.01009	TRUE	1	FALSE	0.032985005	FALSE	
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Chr4	86418004	86417049	Chr4.70021	0.01072	TRUE	1	FALSE	0.442678256	FALSE	
Chr4	86520651	86521004	Chr4.70158	0.00128	TRUE	1	FALSE	0.122365325	FALSE	
Chr4	87384575	87385740	Chr4.71001	0.00121	TRUE	1	FALSE	0.391605434	FALSE	
Chr4	87451101	87451349	Chr4.71119	0.00393	TRUE	1	FALSE	0.689611306	FALSE	
Chr4	87471419	87471767	Chr4.71152	0.00585	TRUE	1	FALSE	0.085799264	FALSE	
Chr4	87672542	87672726	Chr4.71324	0.01818	TRUE	1	FALSE	0.768343236	FALSE	
Chr4	87749373	87749812	Chr4.71420	0.02362	FALSE	1	FALSE	0.52007154	FALSE	
Chr4	87928747	87929276	Chr4.71719	0.00108	TRUE	1	FALSE	0.976222012	FALSE	
Chr4	88015513	88015748	Chr4.71855	0.00099	TRUE	1	FALSE	0.394138939	FALSE	
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Chr4	88172395	88172834	Chr4.72345	0.0146	TRUE	1	FALSE	0.855505173	FALSE	
Chr4	91092290	91092496	Chr4.73925	0.00024	TRUE	0.803835207	1	FALSE	0.090951989	FALSE
Chr4	91347301	91347420	Chr4.74390	0.00722	TRUE	1	FALSE	0.189179463	FALSE	
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Chr4	95048919	95049258	Chr4.77415	0.00027	TRUE	1	FALSE	0.10341517	FALSE	
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Chv4	100321681	100321804	Chv4.83445	0.00746	TRUE	1	FALSE	0.05484376	FALSE
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Chv4	100335360	100335553	Chv4.83477	0.0001	TRUE	0.038893975	FALSE	0.128528007	FALSE
Chv4	100429806	100429968	Chv4.83683	0.00013	TRUE	0.285794237	FALSE	0.045563473	FALSE
Chv4	100462325	100462830	Chv4.83710	0	TRUE	0.003179083	FALSE	0.159348994	FALSE
Chv4	100776042	100776187	Chv4.83902	0.00821	TRUE	1	FALSE	0.989460192	FALSE
Chv4	100779602	100779165	Chv4.83913	0.00374	TRUE	1	FALSE	0.294474863	FALSE
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Chv4	100864550	100864763	Chv4.84034	0.00346	TRUE	1	FALSE	0.198300137	FALSE
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Chv4	100910602	100910788	Chv4.84101	0.00011	TRUE	0.020303328	FALSE	0.10583002	FALSE
Chv4	101150808	101150818	Chv4.84717	0.0023	TRUE	0.0023	FALSE	0.041402514	FALSE
Chv4	101584879	101584983	Chv4.84757	0.00991	TRUE	0.229034157	FALSE	0.362546502	FALSE
Chv4	102239731	102239900	Chv4.85139	0.00455	TRUE	1	FALSE	0.17128876	FALSE
Chv4	102254599	102254718	Chv4.85154	0.01251	TRUE	0.01251	FALSE	0.423621186	FALSE
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Chv4	102557843	102558011	Chv4.85529	0.0091	TRUE	0.259043751	FALSE	0.117192224	FALSE
Chv4	102760627	102760952	Chv4.85732	0.00161	TRUE	0.00161	FALSE	0.297894576	FALSE
Chv4	103737560	103737660	Chv4.86671	0.00188	TRUE	1	FALSE	0.055047773	FALSE
Chv4	104012185	104012472	Chv4.87054	0.00974	TRUE	1	FALSE	0.561549457	FALSE
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Chv4	104501326	104501489	Chv4.87738	0.00245	TRUE	1	FALSE	0.055108511	FALSE
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Chv4	105169040	105169222	Chv4.88685	0.00942	TRUE	1	FALSE	0.074462367	FALSE
Chv4	105175335	105175667	Chv4.88704	0.00291	TRUE	1	FALSE	0.096940754	FALSE
Chv4	105181138	105181459	Chv4.88709	0.00016	TRUE	1	FALSE	0.031750636	FALSE
Chv4	105190208	105190574	Chv4.88735	0.00335	TRUE	0.492695395	FALSE	0.085338859	FALSE
Chv4	105192616	105192726	Chv4.88745	0.00614	TRUE	0.265377486	FALSE	0.201030967	FALSE
Chv4	105192961	105193192	Chv4.88750	0.00011	TRUE	0.109816674	FALSE	0.152355554	FALSE
Chv4	105195247	105195247	Chv4.88768	0.01109	TRUE	1	FALSE	0.237011368	FALSE
Chv4	105229005	105224208	Chv4.88838	0.0103	TRUE	1	FALSE	0.110051395	FALSE
Chv4	105347948	105348170	Chv4.88995	0.00075	TRUE	0.00075	FALSE	0.161680723	FALSE
Chv4	105406742	105407240	Chv4.89060	0.00441	TRUE	1	FALSE	0.597173819	FALSE
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Chv4	105820196	105820316	Chv4.89436	0.02184	TRUE	0.101589108	FALSE	0.749986176	FALSE
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Chv4	106040622	106040759	Chv4.89660	0.00038	TRUE	0.00038	FALSE	0.329917287	FALSE
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Chv4	107414087	107414260	Chv4.91548	0.00275	TRUE	0.020899419	FALSE	0.380212987	FALSE
Chv4	107414795	107414873	Chv4.91551	0.0005	TRUE	0.134421588	FALSE	0.14639465	FALSE
Chv4	107442861	107443187	Chv4.91610	0.0208	TRUE	0.131528208	FALSE	0.456799051	FALSE
Chv4	107571030	107571285	Chv4.91730	0.00013	TRUE	0.004287025	FALSE	0.219832659	FALSE
Chv4	107621498	107621824	Chv4.91777	0.0004	TRUE	0.008515586	FALSE	0.055178903	FALSE
Chv4	107717984	107718194	Chv4.91903	0.00001	TRUE	0.009149412	FALSE	0.031519229	FALSE
Chv4	108045653	108045798	Chv4.92425	0.00033	TRUE	1	FALSE	0.069341517	FALSE
Chv4	108433247	108433400	Chv4.92682	0.00038	TRUE	0.011893938	FALSE	0.112231493	FALSE
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Chv4	109273798	109273996	Chv4.93034	0.00187	TRUE	0.02556932	FALSE	0.483704776	FALSE
Chv4	109778970	109778973	Chv4.94091	0.01035	TRUE	1	FALSE	0.036283527	FALSE
Chv4	110134066	110134248	Chv4.94485	0.00078	TRUE	0.718462428	FALSE	0.230359715	FALSE
Chv4	110152569	110152831	Chv4.94503	0.00011	TRUE	0.045086372	FALSE	0.061683283	FALSE
Chv4	110206060	110206100	Chv4.94859	0.02128	TRUE	1	FALSE	0.20923646	FALSE
Chv4	110292471	110292844	Chv4.94874	0.00589	TRUE	0.031686383	FALSE	0.32794432	FALSE
Chv4	111370688	111370877	Chv4.95573	0.00001	TRUE	0.096414478	FALSE	0.031255825	FALSE
Chv4	111515658	111515846	Chv4.95728	0.00002	TRUE	0.05586252	FALSE	0.086254245	FALSE
Chv4	111680849	111680926	Chv4.95804	0	TRUE	0.001925264	FALSE	0.057257745	FALSE
Chv4	114410104	114410311	Chv4.96223	0.00032	TRUE	0.016789383	FALSE	0.203368439	FALSE
Chv4	114410473	114411038	Chv4.96227	0.0287	TRUE	1	FALSE	0.98937592	FALSE
Chv4	114851747	114852044	Chv4.96807	0.0001	TRUE	0.247182423	FALSE	0.041623623	FALSE
Chv4	115863483	115864454	Chv4.97959	0.00942	TRUE	1	FALSE	0.312255947	FALSE
Chv4	115869129	115869336	Chv4.97976	0.00104	TRUE	0.026579451	FALSE	0.285264692	FALSE
Chv4	115870039	115870290	Chv4.97982	0	TRUE	0.025763948	FALSE	0.031825002	FALSE
Chv4	115950500	115963307	Chv4.98167	0.011	TRUE	1	FALSE	0.198815481	FALSE
Chv4	116803437	116803543	Chv4.99244	0.00619	TRUE	1	FALSE	0.076721855	FALSE
Chv4	116803873	116804113	Chv4.99249	0.02105	TRUE	0.08414962	FALSE	0.50147946	FALSE
Chv4	117132071	117132192	Chv4.99888	0.00218	TRUE	0.02218	FALSE	0.151283446	FALSE
Chv4	117283137	117283478	Chv4.100212	0.01314	TRUE	1	FALSE	0.218379652	FALSE
Chv4	117284783	117285164	Chv4.100223	0.00046	TRUE	1	FALSE	0.07959417	FALSE
Chv4	117285573	117285974	Chv4.100236	0.0008	TRUE	0.0008	FALSE	0.124300734	FALSE
Chv4	117312457	117312579	Chv4.100277	0.01372	TRUE	1	FALSE	0.045073073	FALSE
Chv4	117353821	117353968	Chv4.100340	0.01593	TRUE	1	FALSE	0.243651578	FALSE
Chv4	117480533	117481036	Chv4.100506	0.00053	TRUE	0.15988437	FALSE	0.168164907	FALSE
Chv4	117481110	117481253	Chv4.100507	0.00038	TRUE	0.19318204	FALSE	0.35496812	FALSE
Chv4	117589483	117589803	Chv4.100739	0.00006	TRUE	0.064917752	FALSE	0.041572726	FALSE
Chv4	117608299	117608652	Chv4.100781	0.00099	TRUE	1	FALSE	0.157744113	FALSE
Chv4	117609369	117609714	Chv4.100786	0.00038	TRUE	0.06054099	FALSE	0.06752324	FALSE
Chv4	117651748	117652107	Chv4.100862	0.00707	TRUE	1	FALSE	0.346366813	FALSE
Chv4	117847055	117847439	Chv4.101035	0.00617	TRUE	1	FALSE	0.086189397	FALSE
Chv4	118017039	118017420	Chv4.101443	0.00045	TRUE	1	FALSE	0.084342633	FALSE
Chv4	118058234	118058430	Chv4.101460	0.00002	TRUE	0.178817133	FALSE	0.075962124	FALSE
Chv4	118209644	118209751	Chv4.101593	0.01367	TRUE	1	FALSE	0.252088478	FALSE
Chv4	118424851	118425276	Chv4.102537	0.00284	TRUE	1	FALSE	0.038627514	FALSE
Chv4	120202001	120202576	Chv4.104515	0.00062	TRUE	1	FALSE	0.038943873	FALSE
Chv4	120263516	120263753	Chv4.104517	0.02542	TRUE	0.679986407	FALSE	0.448366039	FALSE
Chv4	120272726	120272538	Chv4.104547	0.00407	TRUE	0.114235406	FALSE	0.04298585	FALSE
Chv4	120281042	120281321	Chv4.104652	0.00045	TRUE	0.0045	FALSE	0.038403741	FALSE
Chv4	120360192	120360312	Chv4.104619	0.00538	TRUE	0.082389876	FALSE	0.244988564	FALSE
Chv4	120381527	120815973	Chv4.105160	0.00006	TRUE	1	FALSE	0.032200913	FALSE
Chv4	120868624	120868469	Chv4.105210	0.02435	TRUE	1	FALSE	0.385240713	FALSE
Chv4	122997152	122997482	Chv4.105850	0.01558	TRUE	1	FALSE	0.357639061	FALSE
Chv4	122989539	122989813	Chv4.105856	0.01079	TRUE	1	FALSE	0.277331738	FALSE
Chv4	123044817	123045107	Chv4.105945	0.0001	TRUE	1	FALSE	0.072972908	FALSE
Chv4	123409616	123410347	Chv4.106072	0.02148	TRUE	1	FALSE	0.730793424	FALSE
Chv4	123269914	123271741	Chv4.106084	0.00522	TRUE	1	FALSE	0.196531911	FALSE
Chv4	123257342	123257484	Chv4.106089	0.01216	TRUE	1	FALSE	0.070605273	FALSE
Chv4	123564314	123564419	Chv4.107027	0.00092	TRUE	1	FALSE	0.040429095	FALSE
Chv4	123617092	123617227	Chv4.107114	0.01379	TRUE	1	FALSE	0.104695757	FALSE
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Chv4	123693123	123693332	Chv4.107180	0.00303	TRUE	1	FALSE	0.131498516	FALSE
Chv4	123778535	123778606	Chv4.107290	0.01525	TRUE	1	FALSE	0.290209512	FALSE
Chv4	123951755	123952087	Chv4.107416	0.00071	TRUE	1	FALSE		

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Chr4	133130352	133130600	Chr4.119244	0.00107	TRUE	1	FALSE	0.062134794	FALSE
Chr4	133159131	133159688	Chr4.119273	0.00242	TRUE	1	FALSE	0.24066582	FALSE
Chr4	133176166	133176267	Chr4.119315	0.02324	TRUE	0.212162418	FALSE	0.489230751	FALSE
Chr4	133184195	133184434	Chr4.119328	0.01111	TRUE	1	FALSE	0.270127042	FALSE
Chr4	133185341	133185549	Chr4.119336	0.01059	TRUE	1	FALSE	0.238461189	FALSE
Chr4	133292636	133293015	Chr4.119747	0.00203	TRUE	0.127241509	FALSE	0.245626665	FALSE
Chr4	133293236	133293500	Chr4.119753	0.01131	TRUE	1	FALSE	0.100268712	FALSE
Chr4	133293211	133292686	Chr4.120275	0.00047	TRUE	0.752012804	FALSE	0.070586298	FALSE
Chr4	133659838	133660157	Chr4.120347	0.00175	TRUE	1	FALSE	0.057080569	FALSE
Chr4	133688875	133688850	Chr4.120481	0.0099	TRUE	1	FALSE	0.326944793	FALSE
Chr4	133703316	133703814	Chr4.120619	0.02614	TRUE	1	FALSE	0.987965833	FALSE
Chr4	133814856	133815136	Chr4.120677	0.01143	TRUE	1	FALSE	0.822368175	FALSE
Chr4	133815257	133815492	Chr4.120678	0.01982	TRUE	0.928767762	FALSE	0.867634055	FALSE
Chr4	133988743	133986827	Chr4.120881	0.00564	TRUE	0.248239041	FALSE	0.10109605	FALSE
Chr4	134018524	134016975	Chr4.120959	0.00545	TRUE	0.106140036	FALSE	0.25865876	FALSE
Chr4	134069583	134069503	Chr4.121055	0.01127	TRUE	1	FALSE	0.176333069	FALSE
Chr4	134252502	134252765	Chr4.121458	0.00676	TRUE	1	FALSE	0.137959429	FALSE
Chr4	134255957	134256072	Chr4.121472	0.00984	TRUE	0.0396140774	FALSE	0.099416774	FALSE
Chr4	134545499	134545664	Chr4.122005	0.00156	TRUE	0.03563405	FALSE	0.039635865	FALSE
Chr4	134616135	134616337	Chr4.122131	0.00002	TRUE	0.02526001	FALSE	0.037061039	FALSE
Chr4	134802931	134803246	Chr4.122352	0.00608	TRUE	0.046807936	FALSE	0.836345881	FALSE
Chr4	134925695	134925860	Chr4.122525	0.00209	TRUE	1	FALSE	0.438877046	FALSE
Chr4	134956511	134955199	Chr4.122608	0.00002	TRUE	0.015740626	FALSE	0.031576243	FALSE
Chr4	135032308	135032706	Chr4.122650	0.0007	TRUE	0.00428812	FALSE	0.136872342	FALSE
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Chr4	135140691	135140882	Chr4.122765	0.00065	TRUE	1	FALSE	0.052962883	FALSE
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Chr4	1352526304	135252406	Chr4.123195	0.00059	TRUE	1	FALSE	0.102711372	FALSE
Chr4	136313771	136313887	Chr4.124554	0.0009	TRUE	1	FALSE	0.050708462	FALSE
Chr4	136511739	136511967	Chr4.124766	0.00304	TRUE	1	FALSE	0.088959351	FALSE
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Chr4	136748674	136749058	Chr4.125255	0.00318	TRUE	1	FALSE	0.182771771	FALSE
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Chr4	138757539	138757678	Chr4.128582	0.00605	TRUE	1	FALSE	0.10127118	FALSE
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Chr4	139120463	139121036	Chr4.128921	0.00555	TRUE	1	FALSE	0.924829603	FALSE
Chr4	139173587	139173988	Chr4.128968	0.00181	TRUE	1	FALSE	0.674288445	FALSE
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Chr4	139293939	139293974	Chr4.129086	0.01872	TRUE	1	FALSE	0.832409968	FALSE
Chr4	139281683	139282177	Chr4.129114	0.00225	TRUE	1	FALSE	0.516475935	FALSE
Chr4	139640030	139640161	Chr4.129969	0.00554	TRUE	1	FALSE	0.150365997	FALSE
Chr4	140267270	140267926	Chr4.130796	0.02413	TRUE	0.109968844	FALSE	0.582076212	FALSE
Chr4	141200729	141200937	Chr4.132337	0.00185	TRUE	1	FALSE	0.056533828	FALSE
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Chr4	142321367	142321637	Chr4.134299	0.00015	TRUE	1	FALSE	0.065848775	FALSE
Chr4	142431112	142431245	Chr4.134396	0.00381	TRUE	1	FALSE	0.091037454	FALSE
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Chr4	144097578	144097726	Chr4.135784	0.0149	TRUE	0.27659963	FALSE	0.498404537	FALSE
Chr4	145013629	145014000	Chr4.135823	0.00005	TRUE	0.00240652	FALSE	0.173718379	FALSE
Chr4	145067041	145067194	Chr4.135929	0.01451	TRUE	1	FALSE	0.142121372	FALSE
Chr4	145096833	145097080	Chr4.136001	0.02051	TRUE	1	FALSE	0.355881103	FALSE
Chr4	145104090	145105275	Chr4.136026	0.01567	TRUE	1	FALSE	0.440275505	FALSE
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Chr4	148171423	148171538	Chr4.136963	0.00112	TRUE	1	FALSE	0.033200136	FALSE
Chr4	148327514	148327673	Chr4.137213	0.02453	TRUE	1	FALSE	0.454655096	FALSE
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Chr4	148500874	148500800	Chr4.137477	0.01743	TRUE	1	FALSE	0.43719566	FALSE
Chr4	148570965	148571176	Chr4.137943	0.00867	TRUE	0.064111225	FALSE	0.7825095	FALSE
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Chr4	148752654	148752984	Chr4.137995	0.00092	TRUE	1	FALSE	0.051583317	FALSE
Chr4	148820334	148820653	Chr4.138114	0.00054	TRUE	1	FALSE	0.195539408	FALSE
Chr4	148871584	148871873	Chr4.138223	0.01839	TRUE	1	FALSE	0.71494824	FALSE
Chr4	148872827	148873087	Chr4.138229	0.00016	TRUE	0.039619114	FALSE	0.074819265	FALSE
Chr4	148903010	148903248	Chr4.138301	0.00136	TRUE	0.006495889	FALSE	0.211524123	FALSE
Chr4	148914884	148915148	Chr4.138331	0.01489	TRUE	1	FALSE	0.084779529	FALSE
Chr4	148940871	148940987	Chr4.138453	0.00061	TRUE	1	FALSE	0.042381233	FALSE
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Chr4	149087206	149087365	Chr4.138818	0.01367	TRUE	1	FALSE	0.113650286	FALSE
Chr4	149095503	149096782	Chr4.138820	0.02529	TRUE	1	FALSE	0.335329844	FALSE
Chr4	149511200	149511453	Chr4.139481	0.00586	TRUE	1	FALSE	0.584451938	FALSE
Chr4	149830703	149830886	Chr4.140046	0.00171	TRUE	1	FALSE	0.303213736	FALSE
Chr4	149860423	149860527	Chr4.140082	0.00424	TRUE	0.177292651	FALSE	0.138118734	FALSE
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Chr4	150260130	150260267	Chr4.140675	0.00659	TRUE	1	FALSE	0.275395241	FALSE
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Chr4	150293072	150293332	Chr4.140688	0.00715	TRUE	0.444365537	FALSE	0.523431061	FALSE
Chr4	150457296	150457548	Chr4.140955	0.00019	TRUE	1	FALSE	0.035605096	FALSE
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Chr4	150526288	150526529	Chr4.141010	0.0148	TRUE	0.322397721	FALSE	0.714204101	FALSE
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Chr4	150608897	150607172	Chr4.141114	0.01287	TRUE	1	FALSE	0.674584481	FALSE
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Chr4	152061617	152061633	Chr4.143730	0.00376	TRUE	1	FALSE	0.148678331	FALSE
Chr4	152405303	152405455	Chr4.144223	0.00439	TRUE	1	FALSE	0.047249314	FALSE
Chr4	152529503	152529575	Chr4.144543	0.00875	TRUE	1	FALSE	0.081214708	FALSE
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Chr4	153436061	153436176	Chr4.145146	0.00221	TRUE	1	FALSE	0.151878499	FALSE
Chr4	153456523	153456527	Chr4.145171	0.0063	TRUE	1	FALSE	0.151093771	FALSE
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Chr4	155345801	155345814	Chr4.147799	0.00387	TRUE	0.049491511	FALSE	0.382604294	FALSE
Chr5	319360	319852	Chr5.18	0.00051	TRUE	1	FALSE	0.040514886	FALSE
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Chr5	4257124	4257468	Chr5.1385	0.00479	TRUE	1	FALSE	0.280478452	FALSE
Chr5</									

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Chr5	31934862	31935016	Chr5.23329	0.00044	TRUE	0.055521575	FALSE	0.219889397	FALSE	
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Chr5	38060305	38061338	Chr5.29090	0.00117	TRUE	0.024139268	FALSE	0.455957523	FALSE	
Chr5	38074473	38075164	Chr5.29124	0.00001	TRUE	0.021090904	FALSE	0.091003263	FALSE	
Chr5	38094016	38094284	Chr5.29138	0.00162	TRUE	0.00162	1	FALSE	0.508987758	FALSE
Chr5	41187305	41187523	Chr5.30558	0.01011	TRUE	1	FALSE	0.355742158	FALSE	
Chr5	41419414	41419564	Chr5.31096	0.02136	TRUE	0.037126111	1	FALSE	0.758894841	FALSE
Chr5	43094690	43094768	Chr5.32317	0.00016	TRUE	0.035065467	FALSE	0.28864949	FALSE	
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Chr5	44530945	44532922	Chr5.33504	0.02365	TRUE	0.02323646	FALSE	0.248752416	FALSE	
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Chr5	44748429	44749661	Chr5.33785	0.01117	TRUE	1	FALSE	0.151647937	FALSE	
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Chr5	44803095	44801072	Chr5.33906	0.00009	TRUE	0.019758858	1	FALSE	0.145415237	FALSE
Chr5	44864658	44864848	Chr5.33933	0.00379	TRUE	1	FALSE	0.257735613	FALSE	
Chr5	44843231	44843498	Chr5.33982	0.00019	TRUE	0.064226596	FALSE	0.109917617	FALSE	
Chr5	48026747	48026948	Chr5.36360	0.00553	TRUE	1	FALSE	0.151885211	FALSE	
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Chr5	98028481	98028803	Chr5.76328	0.00506	TRUE	1	FALSE	0.552615747	FALSE	
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Chr5	100258379	100258800	Chr5.78428	0.00313	FALSE	0.00313	FALSE	0.22507716	FALSE	
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Chr5	106162965	106163358	Chr5.83287	0.02536	TRUE	1	FALSE	0.84783393	FALSE	
Chr5	106322									

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Chr5	118561296	118561519	Chr5.98951	0.00993	TRUE	0.774580119	FALSE	0.26304607	FALSE	
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Chr5	131869758	131869758	Chr5.114131	0.01929	TRUE	1	FALSE	0.375592091	FALSE	
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Chr5	131735114	131735521	Chr5.114200	0.01231	TRUE	0.703820816	FALSE	0.972447347	FALSE	
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Chr5	137033256	137033416	Chr5.120790	0.01418	TRUE	1	FALSE	0.210841843	FALSE	
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Chr5	137528350	137528448	Chr5.121617	0.02397	TRUE	1	FALSE	0.057733987	FALSE	
Chr5	137528630	137528802	Chr5.122102	0.00215	FALSE	0.00215	FALSE	0.04803473	FALSE	
Chr5	137759879	137770785	Chr5.122387	0.01981	TRUE	1	FALSE	0.211338891	FALSE	
Chr5	137781904	137782020	Chr5.122442	0.02141	TRUE	1	FALSE	0.231388914	FALSE	
Chr5	137782185	137782482	Chr5.122444	0.01015	FALSE	1	FALSE	0.135786387	FALSE	
Chr5	138085023	138085168	Chr5.122619	0.00688	TRUE	1	FALSE	0.330312265	FALSE	
Chr5	139548625	139548857	Chr5.123954	0.00311	TRUE	1	FALSE	0.180564412	FALSE	
Chr5	139694908	139695119	Chr5.124075	0.01144	TRUE	0.473131856	FALSE	0.407945324	FALSE	
Chr5	139894073	139894205	Chr5.124440	0.01566	TRUE	1	FALSE	0.17248628	FALSE	
Chr5	140073834	140073996	Chr5.124587	0.01271	TRUE	1	FALSE	0.065317807	FALSE	
Chr5	140128352	140128644	Chr5.124622	0.02302	TRUE	1	FALSE	0.894370633	FALSE	
Chr5	141070628	141070623	Chr5.125851	0.00731	FALSE	1	FALSE	0.235541749	FALSE	
Chr5	141202726	141202872	Chr5.125753	0.00933	TRUE	1	FALSE	0.065737274	FALSE	
Chr5	141717344	141717566	Chr5.126112	0.00001	TRUE	1	FALSE	0.075178333	FALSE	
Chr5	142727828	142727990	Chr5.127361	0.01646	FALSE	0.181166217	FALSE	0.054113355	FALSE	
Chr5	143001173	143001274	Chr5.127791	0.01345	TRUE	1	FALSE			

Ch#6	21949252	21949387	Ch#6.16757	0.00155	TRUE	1	FALSE	0.04991231	FALSE	
Ch#6	21986239	21986346	Ch#6.16825	0.00208	TRUE	1	FALSE	0.15013908	FALSE	
Ch#6	21989201	21989454	Ch#6.16842	0.00248	TRUE	1	FALSE	0.62484956	FALSE	
Ch#6	22280487	22280877	Ch#6.17277	0.00021	TRUE	1	FALSE	0.03336193	FALSE	
Ch#6	22523473	22524134	Ch#6.17415	0.00007	TRUE	1	FALSE	0.09898172	FALSE	
Ch#6	22922950	22923197	Ch#6.17634	0.00114	TRUE	0.04251916	FALSE	0.17757702	FALSE	
Ch#6	24543184	24543480	Ch#6.19065	0.00933	TRUE	1	FALSE	0.69646895	FALSE	
Ch#6	25888816	25887180	Ch#6.19959	0.00111	TRUE	1	FALSE	0.27222152	FALSE	
Ch#6	26397823	26397963	Ch#6.21927	0.00342	TRUE	1	FALSE	0.10735335	FALSE	hs1308
Ch#6	26482592	26483021	Ch#6.22126	0.00595	TRUE	0.055535521	FALSE	0.329732343	FALSE	
Ch#6	28550631	28550955	Ch#6.22238	0.00009	TRUE	1	FALSE	0.048416741	FALSE	
Ch#6	28577417	28577569	Ch#6.22332	0.02314	TRUE	0.051246172	FALSE	0.665660913	FALSE	
Ch#6	28633465	28633843	Ch#6.22453	0.00065	TRUE	1	FALSE	0.424520735	FALSE	
Ch#6	28634620	28634620	Ch#6.22460	0.00835	TRUE	0.409544177	FALSE	0.375131659	FALSE	
Ch#6	28756532	28757038	Ch#6.22668	0.00021	TRUE	1	FALSE	0.186187948	FALSE	
Ch#6	28810500	28810636	Ch#6.22796	0.00239	TRUE	1	FALSE	0.067307918	FALSE	
Ch#6	28819948	28820291	Ch#6.22818	0.00854	TRUE	1	FALSE	0.182311728	FALSE	
Ch#6	29167914	29168024	Ch#6.23259	0.00477	TRUE	1	FALSE	0.071698838	FALSE	
Ch#6	29362622	29362814	Ch#6.23512	0.00269	TRUE	1	FALSE	0.12862545	FALSE	
Ch#6	29430794	29431028	Ch#6.23710	0.01042	TRUE	1	FALSE	0.186795955	FALSE	
Ch#6	29431561	29431710	Ch#6.23716	0.00683	TRUE	1	FALSE	0.143809214	FALSE	
Ch#6	29432450	29432577	Ch#6.23722	0.00171	TRUE	1	FALSE	0.05533608	FALSE	
Ch#6	30137139	30137458	Ch#6.25017	0.00123	TRUE	1	FALSE	0.103422923	FALSE	
Ch#6	30151499	30151679	Ch#6.25096	0.00144	TRUE	1	FALSE	0.083313578	FALSE	
Ch#6	30248919	30249119	Ch#6.25213	0.00097	TRUE	0.719432962	FALSE	0.131723391	FALSE	
Ch#6	30301022	30301144	Ch#6.25251	0.01126	TRUE	1	FALSE	0.194353494	FALSE	
Ch#6	30304465	30304765	Ch#6.25274	0.00102	TRUE	1	FALSE	0.044902984	FALSE	
Ch#6	30541021	30541270	Ch#6.25524	0.00028	TRUE	1	FALSE	0.1169391	FALSE	
Ch#6	30541324	30541484	Ch#6.25530	0.01487	TRUE	1	FALSE	0.483942741	FALSE	
Ch#6	30552482	30552597	Ch#6.25913	0.00037	TRUE	0.147516373	FALSE	0.088125518	FALSE	
Ch#6	30564435	30564827	Ch#6.25926	0.0009	TRUE	1	FALSE	0.288552268	FALSE	
Ch#6	30689478	30689859	Ch#6.25985	0.00742	TRUE	1	FALSE	0.444539429	FALSE	
Ch#6	31095394	31095638	Ch#6.26310	0.02192	TRUE	1	FALSE	0.615484397	FALSE	
Ch#6	32479271	32479385	Ch#6.27848	0.01189	TRUE	1	FALSE	0.065620226	FALSE	
Ch#6	32514249	32514417	Ch#6.27927	0.00385	TRUE	1	FALSE	0.048141894	FALSE	
Ch#6	32780824	32780988	Ch#6.28229	0.00801	TRUE	1	FALSE	0.384546395	FALSE	
Ch#6	32837989	32838261	Ch#6.28339	0.00015	TRUE	1	FALSE	0.144768459	FALSE	
Ch#6	32930880	32931015	Ch#6.28491	0.00423	TRUE	1	FALSE	0.047147696	FALSE	
Ch#6	33078530	33078780	Ch#6.28761	0.00466	TRUE	1	FALSE	0.071300475	FALSE	
Ch#6	34101648	34101762	Ch#6.30179	0.00156	TRUE	1	FALSE	0.043360225	FALSE	
Ch#6	34615531	34615863	Ch#6.30718	0.01734	TRUE	1	FALSE	0.402606873	FALSE	
Ch#6	34623012	34623617	Ch#6.30726	0.0001	TRUE	0.104166927	FALSE	0.067307293	FALSE	
Ch#6	34633841	34633962	Ch#6.30749	0.0001	TRUE	1	FALSE	0.442207054	FALSE	
Ch#6	34669214	34669510	Ch#6.30795	0.00045	TRUE	1	FALSE	0.160588584	FALSE	
Ch#6	35024743	35024888	Ch#6.31301	0.00217	TRUE	0.44794777	FALSE	0.2070423	FALSE	
Ch#6	35132656	35132814	Ch#6.31383	0.00708	TRUE	1	FALSE	0.182732958	FALSE	
Ch#6	35853701	35853924	Ch#6.31951	0.01588	TRUE	1	FALSE	0.322542587	FALSE	
Ch#6	36079510	36079772	Ch#6.32064	0.00028	TRUE	0.51748253	FALSE	0.27411708	FALSE	
Ch#6	36387791	36388027	Ch#6.32237	0.0001	TRUE	1	FALSE	0.12752595	FALSE	
Ch#6	36605959	36606121	Ch#6.32398	0.00144	TRUE	1	FALSE	0.093451239	FALSE	
Ch#6	36818414	36818555	Ch#6.32538	0.00899	TRUE	1	FALSE	0.130747435	FALSE	
Ch#6	36819148	36819500	Ch#6.32544	0.01304	TRUE	1	FALSE	0.218128757	FALSE	
Ch#6	37431451	37431877	Ch#6.33380	0.00449	TRUE	1	FALSE	0.16965554	FALSE	
Ch#6	39778450	39778735	Ch#6.35171	0.02085	TRUE	1	FALSE	0.882452309	FALSE	
Ch#6	43537522	43537678	Ch#6.39787	0.01571	TRUE	1	FALSE	0.084481553	FALSE	
Ch#6	47525678	47525919	Ch#6.41974	0.00532	TRUE	0.34038735	FALSE	0.224099914	FALSE	
Ch#6	48463105	48463237	Ch#6.42741	0.05555	TRUE	1	FALSE	0.190084637	FALSE	
Ch#6	49097905	49098093	Ch#6.43781	0.00033	TRUE	1	FALSE	0.040368359	FALSE	
Ch#6	50776917	50777063	Ch#6.45270	0.00261	TRUE	0.141556161	FALSE	0.316023372	FALSE	
Ch#6	50909356	50909534	Ch#6.45344	0.00091	TRUE	0.327566754	FALSE	0.16381011	FALSE	
Ch#6	50815340	50815708	Ch#6.45363	0.0132	TRUE	1	FALSE	0.631901694	FALSE	mm402
Ch#6	50822414	50822724	Ch#6.45382	0.0024	TRUE	0.292300356	FALSE	0.506601242	FALSE	
Ch#6	50909015	50909132	Ch#6.45404	0.0001	TRUE	1	FALSE	0.402759896	FALSE	hs1677
Ch#6	50981604	50981858	Ch#6.45499	0.00655	TRUE	1	FALSE	0.431214315	FALSE	
Ch#6	50915619	50915787	Ch#6.45531	0.00212	TRUE	1	FALSE	0.040617313	FALSE	
Ch#6	50925918	50925949	Ch#6.45542	0.00235	TRUE	1	FALSE	0.155309158	FALSE	mm403
Ch#6	50925302	50925402	Ch#6.45544	0.00065	TRUE	0.010142145	FALSE	0.204780565	FALSE	mm403
Ch#6	50934432	50934714	Ch#6.45548	0.00008	TRUE	1	FALSE	0.069404481	FALSE	
Ch#6	50957436	50957879	Ch#6.45576	0.0001	TRUE	0.111793838	FALSE	0.396402874	FALSE	mm404
Ch#6	50966383	50966600	Ch#6.45608	0.00205	TRUE	1	FALSE	0.34496228	FALSE	
Ch#6	50970160	50970302	Ch#6.45615	0.00752	TRUE	0.080576313	FALSE	0.379060709	FALSE	
Ch#6	50973398	50973628	Ch#6.45627	0.00446	TRUE	1	FALSE	0.26922725	FALSE	
Ch#6	50984441	50985178	Ch#6.45670	0.0001	TRUE	1	FALSE	0.231729988	FALSE	mm406
Ch#6	50986570	50986695	Ch#6.45680	0.01718	TRUE	1	FALSE	0.323312734	FALSE	
Ch#6	50994621	50994832	Ch#6.45705	0.01199	TRUE	0.657477955	FALSE	0.452940729	FALSE	hs1600
Ch#6	51002761	51003214	Ch#6.45722	0.00236	TRUE	0.19896958	FALSE	0.794816596	FALSE	
Ch#6	51005735	51005866	Ch#6.45739	0.00228	TRUE	1	FALSE	0.130565259	FALSE	
Ch#6	51005993	51006295	Ch#6.45742	0.00005	TRUE	0.00595019	FALSE	0.080088219	FALSE	
Ch#6	51006335	51006980	Ch#6.45879	0.00016	TRUE	1	FALSE	0.021753752	FALSE	
Ch#6	51067533	51067996	Ch#6.45894	0.00636	TRUE	0.102643652	FALSE	0.370916699	FALSE	
Ch#6	51120002	51120173	Ch#6.46016	0.00392	TRUE	1	FALSE	0.15883673	FALSE	
Ch#6	51140121	51140863	Ch#6.46048	0.01287	TRUE	0.727004716	FALSE	0.704392927	FALSE	
Ch#6	51156706	51157084	Ch#6.46085	0.00633	TRUE	0.395647653	FALSE	0.226417087	FALSE	
Ch#6	51744429	51744454	Ch#6.46911	0.00001	TRUE	0.020287308	FALSE	0.032358408	FALSE	
Ch#6	51767475	51767825	Ch#6.46986	0.00071	TRUE	0.00520317	FALSE	0.761752447	FALSE	
Ch#6	51825749	51826018	Ch#6.47051	0.01719	TRUE	0.078893572	FALSE	0.328588877	FALSE	
Ch#6	51857199	51857745	Ch#6.47165	0	TRUE	1	FALSE	0.098124904	FALSE	mm12
Ch#6	51933222	51933366	Ch#6.47363	0.00445	TRUE	1	FALSE	0.225988878	FALSE	
Ch#6	52168224	52168417	Ch#6.47887	0.01491	TRUE	0.398064476	FALSE	0.44903253	FALSE	
Ch#6	52211419	52211527	Ch#6.48157	0.0153	TRUE	1	FALSE	0.05326425	FALSE	
Ch#6	52418441	52418572	Ch#6.48651	0.00022	TRUE	0.240682948	FALSE	0.072403381	FALSE	
Ch#6	52428284	52428511	Ch#6.48687	0.0014	TRUE	1	FALSE	0.131411109	FALSE	
Ch#6	52593782	52593981	Ch#6.48968	0.0082	TRUE	1	FALSE	0.460355524	FALSE	
Ch#6	52795140	52795257	Ch#6.49183	0.01635	TRUE	1	FALSE	0.323048172	FALSE	
Ch#6	52802477	52802598	Ch#6.49201	0.00009	TRUE	0.02549282	FALSE	0.043502948	FALSE	
Ch#6	52838841	52838879	Ch#6.49264	0.00265	TRUE	1	FALSE	0.694948915	FALSE	
Ch#6	52840676	52840687	Ch#6.49272	0.00048	TRUE	0.257141857	FALSE	0.038336134	FALSE	
Ch#6	52877238	52877395	Ch#6.49384	0.00275	TRUE	0.166199182	FALSE	0.173824339	FALSE	
Ch#6	52963937	52963947	Ch#6.49560	0.0001	TRUE	1	FALSE	0.210318937	FALSE	
Ch#6	52968590	52968763	Ch#6.49566	0.01507	TRUE	0.499093608	FALSE	0.330008955	FALSE	
Ch#6	53218971	53219175	Ch#6.49847	0.00883	TRUE	1	FALSE	0.638557444	FALSE	
Ch#6	53220732	53221182	Ch#6.49850	0.01646	TRUE	1	FALSE	0.643019636	FALSE	
Ch#6	53267445	53267932	Ch#6.49912	0.00814	TRUE	1	FALSE	0.90261501	FALSE	
Ch#6	53268312	53268511	Ch#6.49918	0.00016	TRUE	1	FALSE	0.120762676	FALSE	
Ch#6	53290719	53290829	Ch#6.49982	0.00351	TRUE	0.180025827	FALSE	0.13996877	FALSE	
Ch#6	53390696	53394068	Ch#6.50136	0.00627	TRUE	1	FALSE	0.90605077	FALSE	
Ch#6	53398993	53398993	Ch#6.50166	0.00139	TRUE	0.176344359	FALSE	0.214660607	FALSE	
Ch#6	53431874	53432163	Ch#6.50239	0.00001	TRUE	0.0400367092	FALSE	0.042905022	FALSE	
Ch#6	53469925	53469744	Ch#6.50342	0.01414	TRUE	1	FALSE	0.298931701	FALSE	hs1604
Ch#6	53637673	53637678	Ch#6.50724	0.00974	TRUE	1	FALSE	0.317253538	FALSE	
Ch#6	53642099	53642331	Ch#6.50745	0.00085	TRUE	0.010202251	FALSE	0.310497244	FALSE	
Ch#6	53663582									

Ch#6	91349587	91349992	Ch#6.75068	0.00206	TRUE	1	FALSE	0.157425128	FALSE	
Ch#6	93229586	93224328	Ch#6.77423	0.00573	TRUE	0	FALSE	0.28167334	FALSE	
Ch#6	93543416	93543522	Ch#6.77788	0.00435	TRUE	0	FALSE	0.315211037	FALSE	
Ch#6	93717130	93717142	Ch#6.78011	0.01278	TRUE	0.130559684	FALSE	0.433489271	FALSE	
Ch#6	93911416	93911568	Ch#6.78236	0.00212	TRUE	0.158793027	FALSE	0.294883554	FALSE	
Ch#6	94012194	94012292	Ch#6.78328	0.00092	TRUE	0	FALSE	0.073704619	FALSE	
Ch#6	94343472	94343489	Ch#6.78689	0.01421	TRUE	0	FALSE	0.064955353	FALSE	
Ch#6	94358378	94358591	Ch#6.78711	0.00447	TRUE	1	FALSE	0.118329635	FALSE	
Ch#6	94400993	94401537	Ch#6.78724	0.00054	FALSE	1	FALSE	0.428832963	FALSE	
Ch#6	94592248	94592601	Ch#6.78833	0.01133	TRUE	0	FALSE	0.45170426	FALSE	
Ch#6	94640272	94640389	Ch#6.79033	0.02584	TRUE	1	FALSE	0.217035811	FALSE	
Ch#6	94715491	94715748	Ch#6.79218	0.00127	TRUE	1	FALSE	0.061415681	FALSE	
Ch#6	94781489	94781712	Ch#6.79259	0.00597	TRUE	0	FALSE	0.180715795	FALSE	
Ch#6	94776692	94776869	Ch#6.79292	0.00013	TRUE	0.035954202	FALSE	0.083956245	FALSE	
Ch#6	94834890	94835019	Ch#6.79390	0.02595	TRUE	1	FALSE	0.188048002	FALSE	
Ch#6	94851333	94851551	Ch#6.79402	0.00496	TRUE	0.558714292	FALSE	0.922400538	FALSE	
Ch#6	94899960	94899534	Ch#6.79461	0.00014	TRUE	1	FALSE	0.072726939	FALSE	
Ch#6	95360049	95360206	Ch#6.79973	0.00942	TRUE	0.584722325	FALSE	0.299486928	FALSE	
Ch#6	95574805	95574805	Ch#6.80212	0.00281	TRUE	1	FALSE	0.177086605	FALSE	
Ch#6	97459303	97459421	Ch#6.82317	0.19892	TRUE	1	FALSE	0.166399391	FALSE	
Ch#6	97950248	97950432	Ch#6.82843	0.00543	TRUE	1	FALSE	0.15558082	FALSE	
Ch#6	98046989	98047262	Ch#6.83029	0.00001	TRUE	0	FALSE	0.059420454	FALSE	
Ch#6	98105539	98107770	Ch#6.83149	0.00009	TRUE	0.143033515	FALSE	0.108700563	FALSE	
Ch#6	98113039	98113607	Ch#6.83178	0.00393	TRUE	1	FALSE	0.833200758	FALSE	mm60
Ch#6	98362225	98363444	Ch#6.84117	0.10897	TRUE	0	FALSE	0.374827281	FALSE	
Ch#6	98705347	98705450	Ch#6.84232	0.01628	TRUE	0.052439184	FALSE	0.377601876	FALSE	
Ch#6	98847182	98847348	Ch#6.84461	0.00383	TRUE	1	FALSE	0.272233062	FALSE	
Ch#6	98948562	98948677	Ch#6.84633	0.00134	TRUE	1	FALSE	0.083031243	FALSE	
Ch#6	98951799	98951918	Ch#6.84645	0.00004	TRUE	0	FALSE	0.3738891	FALSE	
Ch#6	99025246	99025515	Ch#6.84879	0.01086	TRUE	1	FALSE	0.37490435	FALSE	
Ch#6	99079005	99079181	Ch#6.85080	0.02457	TRUE	1	FALSE	0.150089816	FALSE	
Ch#6	99149693	99147028	Ch#6.85251	0.00675	TRUE	0.365972318	FALSE	0.265060036	FALSE	
Ch#6	99159170	99158278	Ch#6.85279	0.19844	TRUE	0	FALSE	0.876947498	FALSE	
Ch#6	99173236	99173572	Ch#6.85320	0.00031	TRUE	1	FALSE	0.077984121	FALSE	
Ch#6	99188495	99188808	Ch#6.85353	0.00503	TRUE	0	FALSE	0.077681573	FALSE	
Ch#6	99196057	99196327	Ch#6.85398	0.00219	TRUE	0	FALSE	0.175568928	FALSE	
Ch#6	99200713	99200830	Ch#6.85395	0.01497	TRUE	1	FALSE	0.551576657	FALSE	
Ch#6	99220536	99220700	Ch#6.85680	0.00337	TRUE	1	FALSE	0.127831675	FALSE	
Ch#6	99439863	99440025	Ch#6.85988	0.00237	FALSE	0	FALSE	0.456391507	FALSE	
Ch#6	99484502	99484918	Ch#6.86071	0.01396	TRUE	1	FALSE	0.71511712	FALSE	
Ch#6	99518768	99518921	Ch#6.86178	0.0011	TRUE	1	FALSE	0.086508485	FALSE	
Ch#6	99519089	99519300	Ch#6.86179	0.01157	TRUE	0	FALSE	0.210994239	FALSE	
Ch#6	99520096	99520398	Ch#6.86190	0.00239	TRUE	1	FALSE	0.117182732	FALSE	
Ch#6	99525219	99525702	Ch#6.86207	0.00045	TRUE	1	FALSE	0.563095812	FALSE	
Ch#6	99627096	99627324	Ch#6.86396	0.0027	TRUE	1	FALSE	0.234068601	FALSE	
Ch#6	99694457	99694673	Ch#6.86445	0.00295	TRUE	0	FALSE	0.088149436	FALSE	
Ch#6	10074846	10074845	Ch#6.86782	0.02125	TRUE	1	FALSE	0.08783222	FALSE	
Ch#6	10071729	10071750	Ch#6.86856	0.00026	TRUE	0.050656006	FALSE	0.105099436	FALSE	
Ch#6	10020511	10020710	Ch#6.86878	0.0098	TRUE	0.056078812	FALSE	0.394320977	FALSE	
Ch#6	10028476	10028566	Ch#6.86937	0.00433	TRUE	0	FALSE	0.394320977	FALSE	
Ch#6	10056738	10056790	Ch#6.87079	0.00083	TRUE	1	FALSE	0.389482273	FALSE	
Ch#6	10070781	10070789	Ch#6.87221	0.0004	TRUE	0	FALSE	0.037857678	FALSE	
Ch#6	100732218	100732490	Ch#6.87242	0.01541	TRUE	1	FALSE	0.5319886	FALSE	
Ch#6	100732890	100733074	Ch#6.87248	0.00002	TRUE	1	FALSE	0.154823555	FALSE	
Ch#6	10076680	10076835	Ch#6.87448	0.0016	TRUE	1	FALSE	0.161523638	FALSE	
Ch#6	10126274	10126398	Ch#6.87928	0.02108	TRUE	0.66430482	FALSE	0.738132276	FALSE	
Ch#6	101270653	101270839	Ch#6.87953	0.01167	TRUE	1	FALSE	0.631717196	FALSE	
Ch#6	101295847	101295948	Ch#6.88006	0.00025	TRUE	1	FALSE	0.047723011	FALSE	
Ch#6	101329377	101329535	Ch#6.88039	0.00441	TRUE	0	FALSE	0.033114412	FALSE	
Ch#6	101426385	101426572	Ch#6.88184	0.02356	TRUE	1	FALSE	0.59628742	FALSE	
Ch#6	10256703	10256744	Ch#6.88267	0.0001	TRUE	0.075340054	FALSE	0.032390009	FALSE	
Ch#6	103317972	103318229	Ch#6.88705	0.00370	TRUE	0	FALSE	0.211999923	FALSE	
Ch#6	106426311	106426424	Ch#6.89212	0.00736	TRUE	0.233383991	FALSE	0.387686291	FALSE	
Ch#6	10823651	108236708	Ch#6.94122	0.00963	TRUE	1	FALSE	0.260593776	FALSE	
Ch#6	108456163	108456524	Ch#6.94469	0.00444	TRUE	0.147466438	FALSE	0.494869352	FALSE	
Ch#6	108517308	108517478	Ch#6.94591	0.01079	TRUE	1	FALSE	0.827415685	FALSE	
Ch#6	109543175	109543322	Ch#6.95273	0.00168	TRUE	1	FALSE	0.050195157	FALSE	
Ch#6	110647066	110647172	Ch#6.95819	0.0012	TRUE	1	FALSE	0.075650896	FALSE	
Ch#6	112059568	112059688	Ch#6.96632	0.00016	FALSE	0	FALSE	0.218535953	FALSE	
Ch#6	112899762	112899925	Ch#6.97339	0.02474	TRUE	1	FALSE	0.328512399	FALSE	
Ch#6	112958077	112958215	Ch#6.97396	0.00506	TRUE	1	FALSE	0.062927558	FALSE	
Ch#6	112958291	112958481	Ch#6.97398	0.00057	FALSE	0	FALSE	0.355052723	FALSE	
Ch#6	113077547	113077724	Ch#6.97502	0.0105	TRUE	1	FALSE	0.385252624	FALSE	
Ch#6	113079161	113079349	Ch#6.97514	0.01953	TRUE	1	FALSE	0.162715963	FALSE	
Ch#6	113079657	113079889	Ch#6.97520	0.00038	FALSE	0	FALSE	0.252200799	FALSE	
Ch#6	113082272	113082637	Ch#6.97526	0.00222	TRUE	1	FALSE	0.144745794	FALSE	
Ch#6	113110612	113110809	Ch#6.97580	0.00112	TRUE	0.1	FALSE	0.063180937	FALSE	
Ch#6	113137396	113137450	Ch#6.99558	0.00092	TRUE	1	FALSE	0.118045544	FALSE	
Ch#6	114781383	114781742	Ch#6.99586	0.00245	TRUE	0	FALSE	0.254252555	FALSE	
Ch#6	114809912	114810684	Ch#6.99761	0.01508	TRUE	0	FALSE	0.391552847	FALSE	
Ch#6	114891747	114891984	Ch#6.99794	0.00238	TRUE	1	FALSE	0.245857236	FALSE	
Ch#6	114919558	114919731	Ch#6.99798	0.00019	FALSE	0	FALSE	0.078904311	FALSE	
Ch#6	115227201	115227249	Ch#6.10082	0.00614	TRUE	1	FALSE	0.055153886	FALSE	
Ch#6	115522962	115523081	Ch#6.10046	0.00514	TRUE	1	FALSE	0.041081797	FALSE	
Ch#6	116848592	116848844	Ch#6.10211	0.0001	FALSE	0	FALSE	0.165889722	FALSE	
Ch#6	116895266	116895583	Ch#6.10246	0.00018	TRUE	1	FALSE	0.040635505	FALSE	
Ch#6	116940880	116941086	Ch#6.102173	0.02134	TRUE	1	FALSE	0.13620675	FALSE	
Ch#6	117151808	117151923	Ch#6.102291	0.00887	TRUE	1	FALSE	0.196347979	FALSE	
Ch#6	119105321	119105480	Ch#6.103800	0.00016	FALSE	0	FALSE	0.259094411	FALSE	
Ch#6	119635820	119635996	Ch#6.104452	0.00552	TRUE	1	FALSE	0.087476031	FALSE	
Ch#6	119674321	119674499	Ch#6.104477	0.00546	TRUE	1	FALSE	0.070111208	FALSE	
Ch#6	120592356	120592594	Ch#6.105389	0.00019	FALSE	0	FALSE	0.061137731	FALSE	
Ch#6	122820809	122820977	Ch#6.107487	0.01702	TRUE	0.039995763	FALSE	0.265310898	FALSE	
Ch#6	122824216	122824494	Ch#6.107494	0.00011	TRUE	0	FALSE	0.038906471	FALSE	
Ch#6	124718808	124718940	Ch#6.108574	0.00095	FALSE	0.282543356	FALSE	0.214568483	FALSE	
Ch#6	12426834	124268540	Ch#6.109898	0.00204	TRUE	1	FALSE	0.052554934	FALSE	
Ch#6	124913375	124913510	Ch#6.109289	0.00042	TRUE	0.371170752	FALSE	0.031833517	FALSE	
Ch#6	125130083	125130297	Ch#6.109729	0.00269	TRUE	1	FALSE	0.221853976	FALSE	
Ch#6	125221638	125222197	Ch#6.110036	0.01893	TRUE	0	FALSE	0.468107283	FALSE	
Ch#6	126032399	126032422	Ch#6.111080	0.02218	TRUE	1	FALSE	0.222501684	FALSE	
Ch#6	126134887	126135275	Ch#6.111243	0.01332	TRUE	1	FALSE	0.593630447	FALSE	
Ch#6	126217486	126217619	Ch#6.111359	0.00016	TRUE	0.784	FALSE	0.471603863	FALSE	
Ch#6	127145711	127145890	Ch#6.112422	0.01461	TRUE	0.23298424	FALSE	0.664526698	FALSE	
Ch#6	127156042	127156244	Ch#6.112479	0.00193	TRUE	1	FALSE	0.075720399	FALSE	
Ch#6	127181605	127181629	Ch#6.112520	0.0118	TRUE	0	FALSE	0.142899117	FALSE	
Ch#6	127405757	127406001	Ch#6.112707	0.00306	TRUE	1	FALSE	0.097273162	FALSE	
Ch#6	128007862	128007757	Ch#6.113163	0.01025	TRUE	1	FALSE	0.090974409	FALSE	
Ch#6	128296540	128296798	Ch#6.113419	0.01842	TRUE	0	FALSE	0.160533739	FALSE	
Ch#6	134036021	134037102	Ch#6.114396	0.0002	TRUE	1	FALSE	0.118472671	FALSE	
Ch#6	134200050	134200260	Ch#6.114610	0.00495	TRUE	1	FALSE	0.251197689	FALSE	
Ch#6	134802773	134803021	Ch#6.115191	0.00406	TRUE	1	FALSE	0.253263324	FALSE	
Ch#6	134630148	134630297	Ch#6.115219	0.00016	FALSE	0	FALSE	0.2682917		

Chr6	147155593	147155893	Chr6.127590	0.00151	TRUE	1	FALSE	0.089474273	FALSE
Chr6	147273674	147273975	Chr6.127748	0.00011	TRUE	0.10599231	FALSE	0.107548822	FALSE
Chr6	147324462	147324628	Chr6.128095	0.00071	TRUE	0.00001	FALSE	0.06911981	FALSE
Chr6	147728051	147728271	Chr6.128219	0.00071	TRUE	0.266915674	FALSE	0.305495511	FALSE
Chr6	147798616	147798835	Chr6.128319	0.00006	TRUE	1	FALSE	0.104068344	FALSE
Chr6	147799317	147799442	Chr6.128327	0.00135	TRUE	1	FALSE	0.083769946	FALSE
Chr6	148946363	148946666	Chr6.129093	0.0198	TRUE	1	FALSE	0.181586354	FALSE
Chr7	3304296	3304553	Chr7.172	0.02372	TRUE	1	FALSE	0.082272642	FALSE
Chr7	4514556	4514687	Chr7.1081	0.01729	TRUE	1	FALSE	0.092793265	FALSE
Chr7	16329228	16329393	Chr7.4004	0.01079	TRUE	0.118036242	FALSE	0.208101564	FALSE
Chr7	16611259	16611385	Chr7.4593	0.01886	TRUE	1	FALSE	0.57895672	FALSE
Chr7	16824285	16824387	Chr7.5080	0.00328	TRUE	1	FALSE	0.042743031	FALSE
Chr7	1901297	1901431	Chr7.5420	0.00828	TRUE	1	FALSE	0.217389103	FALSE
Chr7	19181101	19181233	Chr7.6091	0.00244	TRUE	1	FALSE	0.08370483	FALSE
Chr7	19715864	19715987	Chr7.7302	0.02144	TRUE	0.485814577	FALSE	0.235991741	FALSE
Chr7	24884829	24884872	Chr7.8242	0.00692	TRUE	1	FALSE	0.082370715	FALSE
Chr7	25089555	25089555	Chr7.8697	0.00016	TRUE	0.004573837	FALSE	0.130640552	FALSE
Chr7	25089802	25089972	Chr7.8700	0.0144	TRUE	0.219353679	FALSE	0.85099207	FALSE
Chr7	25241106	25241284	Chr7.8995	0.0007	TRUE	1	FALSE	0.037854101	FALSE
Chr7	28615907	28616308	Chr7.14614	0.00261	TRUE	0.016847532	FALSE	0.179252074	FALSE
Chr7	28923972	28924119	Chr7.14955	0.00829	TRUE	1	FALSE	0.06046364	FALSE
Chr7	28941270	28941466	Chr7.15009	0.00185	TRUE	1	FALSE	0.110690071	FALSE
Chr7	29560045	29561061	Chr7.16026	0.01035	TRUE	1	FALSE	0.040463877	FALSE
Chr7	30457780	30457921	Chr7.17458	0.00518	TRUE	1	FALSE	0.046121835	FALSE
Chr7	30520515	30520642	Chr7.17644	0.00425	TRUE	1	FALSE	0.152516476	FALSE
Chr7	30763626	30763793	Chr7.18478	0.00223	TRUE	1	FALSE	0.096790305	FALSE
Chr7	34774109	34774306	Chr7.19977	0.00173	TRUE	0.173773471	FALSE	0.255623949	FALSE
Chr7	34798272	34798374	Chr7.19986	0.00042	TRUE	1	FALSE	0.078611496	FALSE
Chr7	34856925	34857219	Chr7.20145	0.00341	FALSE	1	FALSE	0.11389095	FALSE
Chr7	34968692	34969707	Chr7.20176	0.02209	TRUE	1	FALSE	0.570634261	FALSE
Chr7	36679595	36679832	Chr7.22610	0.00092	TRUE	1	FALSE	0.044827562	FALSE
Chr7	36714266	36714420	Chr7.22708	0.00613	TRUE	1	FALSE	0.199844578	FALSE
Chr7	36830430	36830530	Chr7.22975	0.01759	TRUE	1	FALSE	0.76993751	FALSE
Chr7	37146690	37146879	Chr7.23340	0.00326	TRUE	1	FALSE	0.22248624	FALSE
Chr7	37362466	37362607	Chr7.23673	0.01629	TRUE	1	FALSE	0.138668788	FALSE
Chr7	37377395	37378108	Chr7.23728	0.01924	FALSE	1	FALSE	0.069551086	FALSE
Chr7	37505727	37505873	Chr7.23978	0.01564	TRUE	1	FALSE	0.165517227	FALSE
Chr7	37658745	37658889	Chr7.24316	0.00478	TRUE	1	FALSE	0.05735871	FALSE
Chr7	37724542	37724673	Chr7.24462	0.01029	TRUE	1	FALSE	0.054433924	FALSE
Chr7	37732058	37732325	Chr7.24472	0.00233	TRUE	0.162512651	FALSE	0.300798077	FALSE
Chr7	37736546	37736746	Chr7.24480	0.00618	TRUE	1	FALSE	0.14947968	FALSE
Chr7	37744001	37744110	Chr7.24490	0.00848	TRUE	0.537446578	FALSE	0.21112036	FALSE
Chr7	37966040	37966175	Chr7.24878	0.00204	TRUE	1	FALSE	0.147330186	FALSE
Chr7	38120855	38121049	Chr7.24987	0.0042	TRUE	1	FALSE	0.200054652	FALSE
Chr7	43780885	43781076	Chr7.26164	0.01043	TRUE	1	FALSE	0.117039306	FALSE
Chr7	45017330	45017467	Chr7.26548	0.00613	TRUE	1	FALSE	0.074802254	FALSE
Chr7	45168198	45168310	Chr7.29084	0.00317	TRUE	1	FALSE	0.059356058	FALSE
Chr7	45367668	45368001	Chr7.29706	0.00373	TRUE	1	FALSE	0.057594424	FALSE
Chr7	45899915	45897054	Chr7.31294	0.00575	TRUE	0.11031791	FALSE	0.269832697	FALSE
Chr7	46319671	46319687	Chr7.32424	0.00696	TRUE	1	FALSE	0.203434517	FALSE
Chr7	46532684	46532863	Chr7.32726	0.01577	TRUE	1	FALSE	0.547654874	FALSE
Chr7	46587205	46587676	Chr7.32802	0.02294	FALSE	0.244278062	FALSE	0.863397477	FALSE
Chr7	48956598	48956993	Chr7.34239	0.02183	TRUE	1	FALSE	0.44042057	FALSE
Chr7	49105678	49105820	Chr7.34490	0.01893	TRUE	1	FALSE	0.32159415	FALSE
Chr7	49318229	49318511	Chr7.34787	0.00034	TRUE	1	FALSE	0.40494594	FALSE
Chr7	49321402	49321519	Chr7.34792	0.0164	FALSE	1	FALSE	0.362132246	FALSE
Chr7	49563031	49565687	Chr7.35282	0.01535	TRUE	1	FALSE	0.116916563	FALSE
Chr7	49842457	49842606	Chr7.35748	0.00511	TRUE	1	FALSE	0.174300081	FALSE
Chr7	49843063	49843162	Chr7.35751	0.00045	FALSE	1	FALSE	0.05854518	FALSE
Chr7	49923304	49923527	Chr7.35859	0.00597	TRUE	1	FALSE	0.538029325	FALSE
Chr7	50314290	50314513	Chr7.36300	0.026	TRUE	1	FALSE	0.633144327	FALSE
Chr7	51062795	51062975	Chr7.36929	0.02431	TRUE	1	FALSE	0.37898233	FALSE
Chr7	51864673	51864672	Chr7.37693	0.01451	TRUE	0.159463866	FALSE	0.495131411	FALSE
Chr7	51913868	51914101	Chr7.37692	0.00681	TRUE	1	FALSE	0.657353029	FALSE
Chr7	51914251	51914350	Chr7.37695	0.00885	TRUE	1	FALSE	0.104722997	FALSE
Chr7	51929120	51929446	Chr7.37622	0.00017	TRUE	1	FALSE	0.118624914	FALSE
Chr7	51941128	51941353	Chr7.37632	0.00099	TRUE	0.472510078	FALSE	0.370760485	FALSE
Chr7	63889352	63889462	Chr7.39462	0.0027	TRUE	0.770898125	FALSE	0.276486004	FALSE
Chr7	6403351	6403351	Chr7.39499	0.01511	TRUE	1	FALSE	0.319690785	FALSE
Chr7	65915054	65915208	Chr7.40714	0.00244	TRUE	1	FALSE	0.128881626	FALSE
Chr7	66452092	66452279	Chr7.41540	0.02132	TRUE	1	FALSE	0.210465571	FALSE
Chr7	67089262	67089517	Chr7.42093	0.00343	TRUE	1	FALSE	0.225003402	FALSE
Chr7	67471637	67471835	Chr7.42424	0.00061	TRUE	1	FALSE	0.269148251	FALSE
Chr7	67503574	67503692	Chr7.42453	0.00576	TRUE	1	FALSE	0.048315295	FALSE
Chr7	68030375	68030626	Chr7.42982	0.00677	TRUE	1	FALSE	0.139915518	FALSE
Chr7	68984171	68984382	Chr7.44128	0.00521	FALSE	1	FALSE	0.588003513	FALSE
Chr7	69807204	69807360	Chr7.44602	0.00124	TRUE	1	FALSE	0.064957098	FALSE
Chr7	70667844	70668081	Chr7.45269	0.00257	TRUE	1	FALSE	0.114084271	FALSE
Chr7	70331023	70331127	Chr7.45764	0.01224	FALSE	1	FALSE	0.048997424	FALSE
Chr7	70333573	70333808	Chr7.45771	0.00125	TRUE	1	FALSE	0.167114259	FALSE
Chr7	70343003	70343113	Chr7.45794	0.0085	TRUE	1	FALSE	0.038545184	FALSE
Chr7	70351626	70352156	Chr7.45830	0.00244	TRUE	1	FALSE	0.144166356	FALSE
Chr7	70352967	70353360	Chr7.45838	0.01342	FALSE	1	FALSE	0.662289920	FALSE
Chr7	70355274	70355500	Chr7.45850	0.00227	TRUE	1	FALSE	0.114209445	FALSE
Chr7	70356796	70356976	Chr7.45861	0.02365	TRUE	1	FALSE	0.721074121	FALSE
Chr7	70362490	70362626	Chr7.45885	0.0009	FALSE	1	FALSE	0.255161508	FALSE
Chr7	70365331	70365560	Chr7.45908	0.00679	TRUE	1	FALSE	0.126482554	FALSE
Chr7	70514899	70514840	Chr7.46249	0.00181	TRUE	1	FALSE	0.080722015	FALSE
Chr7	70591629	70591996	Chr7.46395	0.01143	FALSE	1	FALSE	0.715297466	FALSE
Chr7	70634117	70634304	Chr7.46460	0.00061	TRUE	1	FALSE	0.057181386	FALSE
Chr7	70669335	70669516	Chr7.46513	0.02557	TRUE	1	FALSE	0.270748592	FALSE
Chr7	70718289	70718453	Chr7.46612	0.00884	TRUE	0.206317923	FALSE	0.280851974	FALSE
Chr7	70798020	70798291	Chr7.46762	0.00013	TRUE	1	FALSE	0.040437057	FALSE
Chr7	70814487	70814665	Chr7.46795	0.00701	TRUE	1	FALSE	0.195229579	FALSE
Chr7	70929871	70929423	Chr7.46975	0.00719	TRUE	1	FALSE	0.555207046	FALSE
Chr7	71209263	71209768	Chr7.47233	0.00345	FALSE	1	FALSE	0.146020332	FALSE
Chr7	71219538	71219876	Chr7.47472	0.00035	TRUE	1	FALSE	0.038198305	FALSE
Chr7	71231048	71231169	Chr7.47487	0.00043	TRUE	1	FALSE	0.070052589	FALSE
Chr7	71381254	71381440	Chr7.47780	0.02335	FALSE	0.471807444	FALSE	0.761946994	FALSE
Chr7	71446899	71446134	Chr7.47905	0.00063	TRUE	1	FALSE	0.077704592	FALSE
Chr7	71531846	71532168	Chr7.48032	0.00284	TRUE	1	FALSE	0.73888733	FALSE
Chr7	71803050	71803280	Chr7.48357	0.00763	TRUE	1	FALSE	0.08341428	FALSE
Chr7	71865419	71865818	Chr7.48429	0.00215	FALSE	1	FALSE	0.842586829	FALSE
Chr7	71884746	71884857	Chr7.48471	0.00681	TRUE	0.313833608	FALSE	0.514446834	FALSE
Chr7	71960910	71961155	Chr7.48564	0.02237	TRUE	1	FALSE	0.428697749	FALSE
Chr7	72364001	72364220	Chr7.49023	0.00584	TRUE	1	FALSE	0.644079816	FALSE
Chr7	72836247	72838522	Chr7.49314	0.00004	TRUE	0.007096538	FALSE	0.116710622	FALSE
Chr7	73037162	73037280	Chr7.49482	0.00528	TRUE	1	FALSE	0.137597698	FALSE
Chr7	73539250	73539300	Chr7.49928	0.00065	FALSE	1	FALSE	0.06885926	FALSE
Chr7	74107326	74107622	Chr7.50242	0.00001	TRUE	1	FALSE	0.034700825	FALSE
Chr7	75612122	75612394	Chr7.51119	0.02463	TRUE	1	FALSE	0.393852557	FALSE
Chr7	75612848	75612956	Chr7.51124	0.00758	TRUE	1	FALSE	0.08139474	FALSE
Chr7	75640730	75640840	Chr7.51157	0.02012	FALSE	1	FALSE	0.075300204	FALSE
Chr7	75712463	75712565	Chr7.51255	0.00012	TRUE	0.353219127	FALSE	0.053020233	FALSE
Chr7	77132774	77132883	Chr7.52460	0.01787	TRUE	1	FALSE	0.109969633	FALSE
Chr7	79362320	79362487	Chr7.54438	0.00016	FALSE	1	FALSE	0.051729465	FALSE
Chr7	79518015	79518351	Chr7.54778	0.00169	TRUE	1	FALSE	0.383435997	FALSE
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Chr7	80092155	8009							

Chr7	101465515	101465515	Chr7.74593	0.01085	TRUE	1	FALSE	0.142157521	FALSE	
Chr7	101675579	101675758	Chr7.74775	0.02099	TRUE	1	FALSE	0.10804603	FALSE	
Chr7	101770795	101771065	Chr7.74899	0.00866	TRUE	1	FALSE	0.22422138	FALSE	
Chr7	101772772	101773038	Chr7.74904	0.00897	TRUE	1	FALSE	0.17258223	FALSE	
Chr7	101969741	101969984	Chr7.75251	0.00604	TRUE	0.057352776	FALSE	0.20933345	FALSE	
Chr7	102014458	102014964	Chr7.75453	0.01328	TRUE	1	FALSE	0.23241131	FALSE	
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Chr7	109154586	109154808	Chr7.86017	0.00184	TRUE	1	FALSE	0.333245715	FALSE	
Chr7	109196283	109197056	Chr7.86036	0.00759	TRUE	1	FALSE	0.888989232	FALSE	
Chr7	109234596	109234829	Chr7.86134	0.0044	TRUE	1	FALSE	0.115503431	FALSE	
Chr7	109402302	109402435	Chr7.86323	0.01178	TRUE	1	FALSE	0.301621666	FALSE	
Chr7	109403018	109403202	Chr7.86493	0.00793	TRUE	1	FALSE	0.069189386	FALSE	
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Chr7	109576276	109576433	Chr7.86635	0.00896	TRUE	1	FALSE	0.48859977	FALSE	
Chr7	109584131	109584311	Chr7.86644	0.00075	TRUE	0.057078221	FALSE	0.225953123	FALSE	
Chr7	109584820	109585959	Chr7.86646	0.00061	TRUE	1	FALSE	0.073287413	FALSE	
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Chr7	109672306	109672417	Chr7.86744	0.0043	TRUE	1	FALSE	0.048162476	FALSE	
Chr7	110525383	110525796	Chr7.87751	0.01765	TRUE	1	FALSE	0.741923552	FALSE	
Chr7	110539419	110539603	Chr7.87765	0.0019	TRUE	1	FALSE	0.109662022	FALSE	
Chr7	111600984	111601191	Chr7.88827	0.01082	TRUE	1	FALSE	0.260223853	FALSE	
Chr7	111663497	111664197	Chr7.88927	0.01146	TRUE	1	FALSE	0.227537895	FALSE	
Chr7	112195372	112195517	Chr7.89343	0.00063	TRUE	0.435695984	FALSE	0.133068874	FALSE	
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Chr7	112717427	112717652	Chr7.89992	0.00404	TRUE	1	FALSE	0.128434054	FALSE	
Chr7	112789293	112789860	Chr7.90108	0.00396	TRUE	1	FALSE	0.647177028	FALSE	
Chr7	112797420	112798090	Chr7.90137	0.00011	FALSE	0.00011	FALSE	0.277052692	FALSE	
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Chr7	112807402	112807740	Chr7.90161	0.00605	TRUE	0.280013448	FALSE	0.482629769	FALSE	
Chr7	112841632	112841758	Chr7.90241	0.0022	TRUE	1	FALSE	0.253336395	FALSE	
Chr7	112869032	112869226	Chr7.90262	0.02135	TRUE	1	FALSE	0.70066577	FALSE	
Chr7	112845604	112845691	Chr7.90375	0.01759	TRUE	1	FALSE	0.83170579	FALSE	
Chr7	113301491	113301923	Chr7.91215	0.00022	TRUE	1	FALSE	0.197910268	FALSE	
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Chr7	114103965	114104018	Chr7.91467	0.00305	TRUE	1	FALSE	0.159844763	FALSE	
Chr7	114181497	114181702	Chr7.91496	0.00541	TRUE	1	FALSE	0.038145974	FALSE	
Chr7	114322948	114322948	Chr7.91607	0.0005	FALSE	0.0005	FALSE	0.184494941	FALSE	
Chr7	114323042	114323236	Chr7.91610	0.001	TRUE	1	FALSE	0.092664116	FALSE	
Chr7	114840169	114840379	Chr7.92039	0.00176	TRUE	0.259611537	FALSE	0.113856956	FALSE	
Chr7	114833495	114833610	Chr7.92152	0.0044	TRUE	1	FALSE	0.129050122	FALSE	
Chr7	115023912	115024297	Chr7.92448	0.00178	TRUE	1	FALSE	0.188143411	FALSE	
Chr7	115302358	115302565	Chr7.92552	0.00136	TRUE	1	FALSE	0.094091096	FALSE	
Chr7	115398906	115398976	Chr7.92657	0.01409	TRUE	1	FALSE	0.447639346	FALSE	
Chr7	115371513	115371685	Chr7.92684	0.00666	TRUE	1	FALSE	0.107393969	FALSE	
Chr7	115379633	115379774	Chr7.92681	0.00188	TRUE	0.602978738	FALSE	0.112495466	FALSE	
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Chr7	115468926	115469159	Chr7.92890	0	TRUE	0	FALSE	0.045764778	FALSE	
Chr7	115509158	115509476	Chr7.92923	0.02529	TRUE	1	FALSE	0.417069844	FALSE	
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Chr7	115645285	115645594	Chr7.93239	0.00755	TRUE	1	FALSE	0.577552611	FALSE	ht1720
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Chr7	115696784	115697040	Chr7.93370	0.00462	TRUE	1	FALSE	0.164132567	FALSE	
Chr7	115751163	115751529	Chr7.93312	0.0262	TRUE	1	FALSE	0.963563035	FALSE	
Chr7	115867158	115867394	Chr7.93730	0.00241	TRUE	0.339651726	FALSE	0.377634293	FALSE	ht1301
Chr7	116133599	116133743	Chr7.94216	0.01987	TRUE	1	FALSE	0.331963701	FALSE	
Chr7	116184501	116184649	Chr7.94345	0.0126	TRUE	1	FALSE	0.140581251	FALSE	
Chr7	116187622	116187770	Chr7.94357	0.00833	TRUE	1	FALSE	0.252925608	FALSE	
Chr7	116298969	116299078	Chr7.94498	0.00202	FALSE	0.00202	FALSE	0.100466472	FALSE	
Chr7	116283158	116283258	Chr7.94505	0.00025	TRUE	1	FALSE	0.118198999	FALSE	
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Chr7	116736389	116736544	Chr7.94784	0.02362	TRUE	1	FALSE	0.195961227	FALSE	
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Chr7	120157130	120157387	Chr7.98722	0.0192	FALSE	0.0192	FALSE	0.465496064	FALSE	
Chr7	120676596	120676742	Chr7.99218	0.01976	TRUE	1	FALSE	0.193718035	FALSE	
Chr7	120977897	120978059	Chr7.99680	0.00029	TRUE	1	FALSE	0.046817635	FALSE	
Chr7	120978293	120978471	Chr7.99682	0.01198	TRUE	1	FALSE	0.114869859	FALSE	
Chr7	123130026	123130634	Chr7.101030	0.01784	TRUE	0.37698917	FALSE	0.432941572	FALSE	
Chr7	124341418	124341706	Chr7.102883	0.00024	TRUE	1	FALSE	0.090494963	FALSE	
Chr7	124371790	124371894	Chr7.102904	0.01409	TRUE	1	FALSE	0.131348571	FALSE	
Chr7	125763014	125763123	Chr7.103873	0.01092	TRUE	1	FALSE	0.082591587	FALSE	
Chr7	125638619	125638804	Chr7.103949	0.00663	TRUE	0.219360177	FALSE	0.170405559	FALSE	
Chr7	126012759	126012906	Chr7.104137	0.01005	TRUE	1	FALSE	0.253305998	FALSE	
Chr7	126491753	126491931	Chr7.104844	0.00005	FALSE	0.00005	FALSE	0.040925771	FALSE	
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Chr7	126760458	126760629	Chr7.105252	0.00182	TRUE	1	FALSE	0.069584023	FALSE	
Chr7	126785314	126785442	Chr7.105387	0.01091	TRUE	0.048700735	FALSE	0.384751936	FALSE	
Chr7	127210410	127210527	Chr7.106393	0.02646	TRUE	1	FALSE	0.247194781	FALSE	
Chr7	127237011	127237384	Chr7.106542	0.00384	TRUE	1	FALSE	0.52162444	FALSE	
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Chr7	127561602	127561733	Chr7.107180	0.00715	FALSE	0.00715	FALSE	0.046561908	FALSE	
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Chr7	127777002	127777136	Chr7.107588	0.01143	TRUE	0.072891775	FALSE	0.259630239	FALSE	
Chr7	127804346	127804445	Chr7.107753	0.02317	FALSE	0.02317	FALSE	0.363516017	FALSE	
Chr7	127816104	127816306	Chr7.107785	0.00676	TRUE	0.049404321	FALSE	0.552122097	FALSE	
Chr7	127875607	127875709	Chr7.107912	0.01283	TRUE	1	FALSE	0.058801808	FALSE	
Chr7	128232362	128232378	Chr7.109290	0.02583	TRUE	1	FALSE	0.458719798	FALSE	
Chr7	128622021	128622074	Chr7.109404	0.00273	TRUE	1	FALSE	0.211188213	FALSE	
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Chr7	129551927	129552044	Chr7.110179	0.00721	TRUE	1	FALSE	0.061333629	FALSE	
Chr7	129678987	129679400	Chr7.110226	0.00002	FALSE	0.00002	FALSE	0.112816993	FALSE	
Chr7	129751045	129751212	Chr7.110278	0.00041	TRUE	0.496082479	FALSE	0.083757469	FALSE	
Chr7	129810145	129810463	Chr7.110377	0.00654	TRUE	1	FALSE	0.425634902	FALSE	
Chr7	129810831	129810758	Chr7.110384	0.00198	FALSE	0.00198	FALSE	0.101072877	FALSE	
Chr7	129842584	129842490	Chr7.110422	0.00335	TRUE	1	FALSE	0.056375353	FALSE	
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Chr7	129941321	129941532	Chr7.110506	0.00108	TRUE	0.447953598	FALSE	0.185833642	FALSE	
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Chr7	130048115	130048228	Chr7.110692	0.00608	TRUE	1	FALSE	0.214684698	FALSE	
Chr7	130060158	130060480	Chr7.110712	0.02586	TRUE	1	FALSE	0.833552796	FALSE	
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Chr7	130166306	130166482	Chr7.110872	0.02097	TRUE	1	FALSE	0.348237058	FALSE	
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Chr7	137295477	137295762	Chr7:120274	0.02383	TRUE	1	FALSE	0.640763333	FALSE
Chr7	137300521	137301236	Chr7:120258	0.00022	TRUE	1	FALSE	0.042637224	FALSE
Chr7	137304013	137305027	Chr7:120325	0.00001	TRUE	0.00604083	FALSE	0.041320718	FALSE
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Chr7	141429348	141429868	Chr7:123847	0.00155	TRUE	0.006456875	FALSE	0.379456502	FALSE
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Chr7	142646756	142646918	Chr7:125904	0.00843	TRUE	1	FALSE	0.076647451	FALSE
Chr7	144117536	144117961	Chr7:126815	0.00158	TRUE	0.002033030	FALSE	0.125165122	FALSE
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Chr7	144849912	144850043	Chr7:127462	0.00796	TRUE	1	FALSE	0.123348179	FALSE
Chr7	144930381	144930507	Chr7:127545	0.00146	TRUE	0.033103602	FALSE	0.189061231	FALSE
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Chr7	145031211	145031328	Chr7:127631	0.01125	TRUE	1	FALSE	0.231567308	FALSE
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Chr8	4166405	4166612	Chr8:1129	0.00048	TRUE	1	FALSE	0.094819131	FALSE
Chr8	4529908	4529989	Chr8:1575	0.00956	TRUE	0.471450917	FALSE	0.350601247	FALSE
Chr8	5482174	5482442	Chr8:2256	0.01546	TRUE	1	FALSE	0.476470256	FALSE
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Chr8	18724644	18724830	Chr8:12515	0.0208	TRUE	1	FALSE	0.694189596	FALSE
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Chr8	23149134	23149336	Chr8:14484	0.00031	FALSE	0.316504536	1	0.369490344	FALSE
Chr8	23379632	23380067	Chr8:14725	0.00316	TRUE	1	FALSE	0.34121091	FALSE
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Chr8	23436508	23436613	Chr8:14824	0.0114	TRUE	1	FALSE	0.182835552	FALSE
Chr8	23442002	23442103	Chr8:14829	0.00527	FALSE	0.00527	1	0.102681626	FALSE
Chr8	24437594	24437877	Chr8:15462	0.00089	TRUE	1	FALSE	0.132567813	FALSE
Chr8	25353794	25354280	Chr8:16232	0.00054	TRUE	1	FALSE	0.272254046	FALSE
Chr8	25528793	25528955	Chr8:16383	0.00057	FALSE	0.00057	1	0.149383942	FALSE
Chr8	25579376	25579515	Chr8:16546	0.01734	TRUE	1	FALSE	0.128141865	FALSE
Chr8	25663396	25663553	Chr8:16957	0.01189	TRUE	1	FALSE	0.554339882	FALSE
Chr8	26202029	26204073	Chr8:17484	0.00053	FALSE	0.00053	1	0.043716358	FALSE
Chr8	26204956	26205122	Chr8:17489	0.00466	TRUE	1	FALSE	0.254262563	FALSE
Chr8	26304822	26304957	Chr8:17553	0.00332	TRUE	1	FALSE	0.09006713	FALSE
Chr8	26358817	26359117	Chr8:17638	0.00043	TRUE	1	FALSE	0.10839729	FALSE
Chr8	26384330	26384602	Chr8:17681	0.02033	TRUE	1	FALSE	0.140450091	FALSE
Chr8	26471894	26472330	Chr8:17768	0.00196	TRUE	1	FALSE	0.340725956	FALSE
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Chr8	26622279	26622448	Chr8:17929	0.01963	TRUE	1	FALSE	0.252257407	FALSE
Chr8	26680935	26681096	Chr8:18012	0.00657	TRUE	1	FALSE	0.205089756	FALSE
Chr8	27008813	27008840	Chr8:18410	0.0175	TRUE	1	FALSE	0.086167388	FALSE
Chr8	27009664	27009965	Chr8:18411	0.00064	FALSE	0.00064	1	0.645371228	FALSE
Chr8	27059794	27060006	Chr8:18518	0.00237	TRUE	0.157515655	FALSE	0.384195478	FALSE
Chr8	27084050	27084217	Chr8:18526	0.0072	TRUE	1	FALSE	0.118975483	FALSE
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Chr8	27116692	27107070	Chr8:18846	0.00543	TRUE	1	FALSE	0.262001313	FALSE
Chr8	28400986	28401258	Chr8:19612	0.00392	TRUE	1	FALSE	0.338199249	FALSE
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Chr8	29123041	29123284	Chr8:20568	0.00079	FALSE	0.00079	1	0.070224171	FALSE
Chr8	29306255	29306483	Chr8:20778	0.00395	TRUE	1	FALSE	0.275960938	FALSE
Chr8	30960679	30960977	Chr8:21891	0.01697	TRUE	1	FALSE	0.533442052	FALSE
Chr8	31351098	31351627	Chr8:22212	0.00023	FALSE	0.00023	1	0.05209068	FALSE
Chr8	31919424	31919686	Chr8:22921	0.00543	TRUE	1	FALSE	0.202970505	FALSE
Chr8	34890679	34890860	Chr8:25506	0.00847	TRUE	1	FALSE	0.157401334	FALSE
Chr8	34893109	34893273	Chr8:25517	0.00273	TRUE	1	FALSE	0.064215288	FALSE
Chr8	36987325	36987745	Chr8:27658	0.02207	TRUE	1	FALSE	0.372853906	FALSE
Chr8	41015515	41015660	Chr8:29630	0.00717	TRUE	1	FALSE	0.385667394	FALSE
Chr8	41016812	41017038	Chr8:29639	0.00051	TRUE	1	FALSE	0.064548625	FALSE
Chr8	44935604	44935523	Chr8:31962	0.00307	FALSE	0.00307	1	0.038815044	FALSE
Chr8	44935842	44936025	Chr8:31956	0.00848	TRUE	1	FALSE	0.051156363	FALSE
Chr8	46751347	46751761	Chr8:34740	0.00005	TRUE	1	FALSE	0.142102934	FALSE
Chr8	47029365	47029518	Chr8:34895	0.01943	TRUE	1	FALSE	0.152730278	FALSE
Chr8	47090148	47090250	Chr8:34952	0.01243	TRUE	1	FALSE	0.083765595	FALSE
Chr8	47218139	47218328	Chr8:35162	0.00247	TRUE	1	FALSE	0.163887633	FALSE
Chr8	47242255	47242441	Chr8:35192	0.00097	TRUE	1	FALSE	0.104647448	FALSE
Chr8	47242488	47242990	Chr8:35196	0.01017	TRUE	1	FALSE	0.811819623	FALSE
Chr8	47986099	47988204	Chr8:35946	0.00491	TRUE	1	FALSE	0.058517016	FALSE
Chr8	48313028	48313189	Chr8:36592	0.00457	TRUE	1	FALSE	0.040356526	FALSE
Chr8	48414334	48414521	Chr8:36762	0.01016	TRUE	1	FALSE	0.351689071	FALSE
Chr8	48481404	48481643	Chr8:36880	0.00367	TRUE	1	FALSE	0.296364681	FALSE
Chr8	48959653	48959798	Chr8:37100	0.00145	TRUE	1	FALSE	0.063380335	FALSE
Chr8	48915286	48915422	Chr8:37158	0.0007	TRUE	1	FALSE	0.101201312	FALSE
Chr8	48725698	48728210	Chr8:37381	0.00041	FALSE	0.283302675	1	0.153094905	FALSE
Chr8	48763392	48763494	Chr8:37454	0.00001	TRUE	0.016605034	FALSE	0.035982466	FALSE
Chr8	48775374	48775477	Chr8:37492	0.00227	TRUE	1	FALSE	0.069595888	FALSE
Chr8	48779435	48794915	Chr8:37545	0.01297	TRUE	1	FALSE	0.494772874	FALSE
Chr8	49106760	49106949	Chr8:38219	0.00689	TRUE	0.147932983	FALSE	0.342510054	FALSE
Chr8	49565134	49565422	Chr8:39074	0.0004	TRUE	0.047318867	FALSE	0.670146785	FALSE
Chr8	57325733	57325898	Chr8:44224	0.00087	FALSE	0.00087	1	0.194122495	FALSE
Chr8	57328522	57328648	Chr8:44232	0.00087	TRUE	1	FALSE	0.303399922	FALSE
Chr8	57331552	57331688	Chr8:44237	0.00895	TRUE	1	FALSE	0.140147268	FALSE
Chr8	57973433	57973724	Chr8:44925	0.00059	FALSE	0.00059	1	0.14392497	FALSE
Chr8	60314161	60314329	Chr8:45964	0.00005	TRUE	0.118666703	FALSE	0.099096418	FALSE
Chr8	61247656	61247855	Chr8:46587	0.00512	TRUE	0.016439634	FALSE	0.379545758	FALSE
Chr8	61247915	61248084	Chr8:46592	0.00007	TRUE	1	FALSE	0.050209482	FALSE
Chr8	61251748	61251863	Chr8:46609	0.01338	FALSE	0.01338	1	0.09654949	FALSE
Chr8	61286144	61286311	Chr8:46655	0.02555	TRUE	1	FALSE	0.825639783	FALSE
Chr8	61309605	61309809	Chr8:46678	0.00941	TRUE	1	FALSE	0.168446236	FALSE
Chr8	61310340	61310436	Chr8:46683	0.00385	FALSE	0.00385	1	0.201763945	FALSE
Chr8	61324749	61325001	Chr8:46701	0.00003	TRUE	1	FALSE	0.03294112	FALSE
Chr8	61325399	61325746	Chr8:46708	0.00075	TRUE	1	FALSE	0.742241887	FALSE
Chr8	61607631	61607960	Chr8:47151	0.00733	FALSE	0.00733	1	0.157012121	FALSE
Chr8	61701980	61702128	Chr8:47255	0.00689	TRUE	1	FALSE	0.107531769	FALSE
Chr8	64444731	64444879	Chr8:48614	0.0102	TRUE	0.059845559	FALSE	0.611019216	FALSE
Chr8	67892133	67892257	Chr8:50101	0.02341	TRUE	1	FALSE	0.442611547	FALSE
Chr8	67937163	67937307	Chr8:50279	0.00707	TRUE	1	FALSE	0.06369503	FALSE
Chr8	67974425	67974673	Chr8:50348	0.0102	TRUE	1	FALSE	0.171600023	FALSE
Chr8	69992570	69992844	Chr8:51868	0.00171	TRUE	1	FALSE	0.306263395	FALSE
Chr8	70494241	70494361	Chr8:53101	0.01651	TRUE	0.12608204	FALSE	0.491273278	FALSE
Chr8	72919547	72919778	Chr8:55612	0.00785	FALSE	0.00785	1	0.412887849	FALSE
Chr8	76901145	76901266	Chr8:58782	0.01734	TRUE	1	FALSE	0.247675436	FALSE
Chr8	77244401	77244618	Chr8:59135	0.00035	FALSE	0.033492154	1	0.195445592	FALSE
Chr8	77350242	77350436	Chr8:59261	0.00897	TRUE	1	FALSE	0.207128677	FALSE
Chr8	77492499	77492638	Chr8:59366	0.00775	TRUE	1	FALSE	0.083982277	FALSE
Chr8	77710717	77710886	Chr8:59533	0.01189	TRUE	0.048212888	FALSE	0.579774425	FALSE
Chr8	77834790	77835046	Chr8:59628	0.00206	TRUE	1	FALSE	0.555963461	FALSE
Chr8	78021602	78021747	Chr8:59769	0.00097	TRUE	1	FALSE	0.0469082	FALSE
Chr8	78023483	78023712	Chr8:59772	0.00019	TRUE	1	FALSE	0.039055053	FALSE
Chr8	78024177	78044355	Chr8:59894	0.00286	FALSE	0.00286	1	0.556266355	FALSE
Chr8	78270955	78271493	Chr8:60003	0.01514	TRUE	0.060154866	FALSE	0.9543903	

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Chr8	91329771	91330029	Chr8.75576	0.02357	TRUE	1	FALSE	0.798334116	FALSE
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Chr8	91370818	91371182	Chr8.75640	0.00233	TRUE	1	FALSE	0.266020787	FALSE
Chr8	91374218	91374511	Chr8.75651	0.01223	TRUE	1	FALSE	0.342295887	FALSE
Chr8	91379708	91379350	Chr8.75660	0.00078	FALSE	1	FALSE	0.114802733	FALSE
Chr8	91379599	91379623	Chr8.75665	0.02383	TRUE	1	FALSE	0.631301968	FALSE
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Chr8	91445119	91445325	Chr8.75757	0.02047	TRUE	1	FALSE	0.383113273	FALSE
Chr8	91523097	91523698	Chr8.75910	0.00435	TRUE	0.209667855	FALSE	0.494002067	FALSE
Chr8	91524414	91524514	Chr8.75915	0.02508	TRUE	1	FALSE	0.152491765	FALSE
Chr8	91529307	91529786	Chr8.75927	0.00016	TRUE	1	FALSE	0.070144781	FALSE
Chr8	91546756	91547083	Chr8.76003	0.00037	TRUE	0.903019373	FALSE	0.094172296	FALSE
Chr8	91551883	91552120	Chr8.76016	0.00257	TRUE	1	FALSE	0.112646748	FALSE
Chr8	91575564	91575881	Chr8.76098	0.02444	TRUE	1	FALSE	0.821995055	FALSE
Chr8	91576794	91577095	Chr8.76105	0.00001	TRUE	0.017729788	FALSE	0.054045541	FALSE
Chr8	91581981	91582172	Chr8.76115	0.01062	TRUE	1	FALSE	0.154195837	FALSE
Chr8	91613132	91613279	Chr8.76201	0.0002	TRUE	1	FALSE	0.076060687	FALSE
Chr8	91625738	91626052	Chr8.76253	0.0015	TRUE	0.196177951	FALSE	0.259082303	FALSE
Chr8	91652946	91653305	Chr8.76355	0.01012	TRUE	1	FALSE	0.354345054	FALSE
Chr8	91731036	91731286	Chr8.76543	0.02397	TRUE	1	FALSE	0.962835064	FALSE
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Chr8	91930594	91930732	Chr8.76906	0.00194	TRUE	1	FALSE	0.050030282	FALSE
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Chr8	92029785	92030006	Chr8.77134	0.00496	TRUE	1	FALSE	0.390098475	FALSE
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Chr8	92336077	92336274	Chr8.77585	0.00005	TRUE	1	FALSE	0.552272542	FALSE
Chr8	92353380	92353647	Chr8.77637	0.00673	TRUE	1	FALSE	0.826346487	FALSE
Chr8	92354020	92354716	Chr8.77644	0	TRUE	1	FALSE	0.046731159	FALSE
Chr8	92355334	92355484	Chr8.77650	0.00173	TRUE	1	FALSE	0.077401150	FALSE
Chr8	92365616	92365822	Chr8.77714	0.00105	TRUE	1	FALSE	0.07624927	FALSE
Chr8	92472345	92472716	Chr8.77865	0.02058	TRUE	1	FALSE	0.604714896	FALSE
Chr8	92628985	92629538	Chr8.78017	0.0092	FALSE	0.736122905	FALSE	0.488210172	FALSE
Chr8	93812402	93812670	Chr8.79362	0.02266	TRUE	1	FALSE	0.211072508	FALSE
Chr8	93814311	93814476	Chr8.79379	0.00476	TRUE	1	FALSE	0.888357912	FALSE
Chr8	93917372	93918136	Chr8.79485	0.00504	TRUE	0.213558622	FALSE	0.048790208	FALSE
Chr8	94265026	94265156	Chr8.79897	0.01026	TRUE	1	FALSE	0.77298217	FALSE
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Chr8	94372108	94372210	Chr8.80562	0.00764	TRUE	1	FALSE	0.30133553	FALSE
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Chr8	101670560	10167040	Chr8.87262	0.00345	TRUE	1	FALSE	0.061358482	FALSE
Chr8	10269829	102698289	Chr8.88107	0.02334	TRUE	1	FALSE	0.163178355	FALSE
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Chr8	10278253	102782476	Chr8.88248	0.00003	TRUE	1	FALSE	0.037565651	FALSE
Chr8	1027867104	1027963704	Chr8.88444	0.01165	TRUE	1	FALSE	0.368994691	FALSE
Chr8	102978269	102978552	Chr8.88451	0.01457	TRUE	1	FALSE	0.44524814	FALSE
Chr8	103017771	103017819	Chr8.88566	0.00067	TRUE	1	FALSE	0.065302387	FALSE
Chr8	103195605	103195862	Chr8.88745	0.01329	TRUE	1	FALSE	0.378467571	FALSE
Chr8	103277250	1032773048	Chr8.88840	0.00525	TRUE	1	FALSE	0.404987566	FALSE
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Chr8	103315899	103316043	Chr8.88878	0.00101	TRUE	1	FALSE	0.122998204	FALSE
Chr8	103874516	103874876	Chr8.89472	0.00287	TRUE	1	FALSE	0.070930388	FALSE
Chr8	105346995	105345803	Chr8.91779	0.02488	FALSE	0.59787888	FALSE	0.385150328	FALSE
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Chr8	105825483	105825756	Chr8.92905	0.00469	TRUE	1	FALSE	0.119614519	FALSE
Chr8	106401688	106401812	Chr8.94399	0.02293	TRUE	1	FALSE	0.658078309	FALSE
Chr8	106512802	106513044	Chr8.94468	0.02008	TRUE	1	FALSE	0.558941186	FALSE
Chr8	106714356	106714598	Chr8.94890	0.00709	TRUE	1	FALSE	0.261975925	FALSE
Chr8	106721061	106721193	Chr8.94911	0.02388	TRUE	1	FALSE	0.281747236	FALSE
Chr8	106936763	106936998	Chr8.95257	0.00004	FALSE	0.096923077	FALSE	0.057899496	FALSE
Chr8	107129544	107129785	Chr8.95582	0.02086	TRUE	1	FALSE	0.447587573	FALSE
Chr8	107244882	107245098	Chr8.95678	0.00427	TRUE	1	FALSE	0.136455468	FALSE
Chr8	107280311	107280554	Chr8.95708	0.02612	TRUE	0.096923077	FALSE	0.316376396	FALSE
Chr8	107503934	107504081	Chr8.96067	0.00748	TRUE	1	FALSE	0.122103453	FALSE
Chr8	107505932	107506118	Chr8.96069	0.00089	TRUE	0.226862228	FALSE	0.12469953	FALSE
Chr8	107713464	107713659	Chr8.96293	0.01912	TRUE	1	FALSE	0.428390742	FALSE
Chr8	107716442	107716591	Chr8.96502	0.00461	TRUE	0.146135337	FALSE	0.487042201	FALSE
Chr8	107867792	107867917	Chr8.96669	0.02172	TRUE	1	FALSE	0.292254804	FALSE
Chr8	107877870	107877938	Chr8.96715	0.00016	TRUE	1	FALSE	0.083088699	FALSE
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Chr8	107958844	107959001	Chr8.96898	0.01427	TRUE	0.20585928	FALSE	0.371694675	FALSE
Chr8	108062286	108062424	Chr8.97112	0.01606	TRUE	1	FALSE	0.458991105	FALSE
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Chr8	108068700	108068845	Chr8.97136	0.01362	TRUE	1	FALSE	0.841545904	FALSE
Chr8	108102010	108102057	Chr8.97226	0.00004	TRUE	1	FALSE	0.151892688	FALSE
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Chr8	108217845	108218335	Chr8.97420	0.00038	TRUE	1	FALSE	0.248009673	FALSE
Chr8	108234004	108235165	Chr8.97481	0.00059	TRUE	1	FALSE	0.044618148	FALSE
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Chr8	108355128	108355292	Chr8.97754	0.00446	TRUE	1	FALSE	0.12764728	FALSE
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Chr8	108554208	108554583	Chr8.98198	0.01585	TRUE	1	FALSE	0.780942303	FALSE
Chr8	108590454	108590648	Chr8.98268	0.00081	TRUE	1	FALSE	0.458516279	FALSE
Chr8	108621471	108621471	Chr8.98367	0.00001	TRUE	0.018510655	FALSE	0.043966757	FALSE
Chr8	108641950	108642322	Chr8.98403	0.00006	TRUE	0.000899411	FALSE	0.189353554	FALSE
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Chr8	108770089	108770258	Chr8.98525	0.00291	TRUE	1	FALSE	0.433018039	FALSE
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Chr8	108716453	108716552	Chr8.98603	0.00381	TRUE	0.134347626	FALSE	0.246985978	FALSE
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Chr8	108759706	108759879	Chr8.98713	0.01074	TRUE	0.128792243	FALSE	0.498407917	FALSE
Chr8	108762612	108762757	Chr8.98728	0.00049	TRUE	0.139578393	FALSE	0.101940557	FALSE
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Chr8	108833211	108833369	Chr8.98882	0.00036	TRUE	0.337091353	FALSE	0.175988512	FALSE
Chr8	108863724	108863924	Chr8.98930	0.01126	TRUE	1	FALSE	0.594451348	FALSE
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Chr8	108942761	108943423	Chr8.99110	0.00142	TRUE	1	FALSE	0.515907117	FALSE
Chr8	108978377	108978673	Chr8.99296	0.00245	TRUE	0.588413448	FALSE	0.3014639	FALSE
Chr8	109105716	109105977	Chr8.99411	0.00139	TRUE	1	FALSE	0.221387698	FALSE
Chr8	109116681	109116870	Chr8.99444	0.00345	TRUE	1	FALSE	0.221225512	FALSE
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Chr8	109312771	109313228	Chr8.99614	0.00001	TRUE	1	FALSE	0.041255852	FALSE
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Chr8	128263399	128263621	Chr8.123820	0.00004	TRUE	0.445261794	FALSE	0.04491134	FALSE
Chr8	128267302	128267455	Chr8.123838	0.01567	TRUE	1	FALSE	0.225565765	FALSE
Chr8	128268143	128268280	Chr8.123843	0.02054	TRUE	1	FALSE	0.314173259	FALSE
Chr9	13301229	13301353	Chr9.4942	0.00178	TRUE	1	FALSE	0.171171414	FALSE
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Chr9	13583388	13583744	Chr9.5199	0.00032	TRUE	0.44005945	FALSE	0.209077497	FALSE
Chr9	13587269	13587725	Chr9.5214	0.0165	TRUE	1	FALSE	0.45039684	FALSE
Chr9	13601808	13601946	Chr9.5239	0.01339	TRUE	1	FALSE	0.240168205	FALSE
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Chr9	13673923	13674217	Chr9.5393	0.01198	TRUE	1	FALSE	0.438893584	FALSE
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Chr9	13993993	13999740	Chr9.5752	0.00376	TRUE	1	FALSE	0.361789332	FALSE
Chr9	14002349	14002601	Chr9.5758	0.001	TRUE	1	FALSE	0.109352644	FALSE
Chr9	14199927	14200260	Chr9.5993	0.01991	TRUE	1	FALSE	0.923918898	FALSE
Chr9	15421590	15422365	Chr9.7197	0.00079	TRUE	1	FALSE	0.705513445	FALSE
Chr9	16024161	16024391	Chr9.8056	0.00021	TRUE	1	FALSE	0.089464378	FALSE
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Chr9	16325979	16331773	Chr9.8637	0.01405	TRUE	1	FALSE	0.533076267	FALSE
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Chr9	21074919	21075045	Chr9.1181	0.02579	TRUE	0.38607069	FALSE	0.416087181	FALSE
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Chr9	22988659	22987184	Chr9.1429	0.01991	TRUE	0.310702562	FALSE	0.459044676	FALSE
Chr9	22800687	22801022	Chr9.1448	0.00078	TRUE	1	FALSE	0.670204078	FALSE
Chr9	22962426	22962752	Chr9.14632	0.00509	TRUE	1	FALSE	0.374959899	FALSE
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Chr9	23068195	23068385	Chr9.14821	0.00192	TRUE	1	FALSE	0.147902157	FALSE
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Chr9	27437581	27437841	Chr9.17542	0.00902	TRUE	1	FALSE	0.125958495	FALSE
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Chr9	29247962	29248153	Chr9.19871	0.00403	TRUE	1	FALSE	0.09834757	FALSE
Chr9	29267792	29267943	Chr9.19907	0.00072	TRUE	1	FALSE	0.171160192	FALSE
Chr9	29750383	29750823	Chr9.20533	0.00046	TRUE	1	FALSE	0.191202727	FALSE
Chr9	29875110	29875233	Chr9.20760	0.01465	TRUE	1	FALSE	0.276877789	FALSE
Chr9	29892599	29892781	Chr9.20778	0.00217	TRUE	1	FALSE	0.447802736	FALSE
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Chr9	30845840	30845947	Chr9.21919	0.01814	TRUE	1	FALSE	0.163037623	FALSE
Chr9	30919812	30919964	Chr9.22067	0.00951	TRUE	1	FALSE	0.104571115	FALSE
Chr9	31181795	31182181	Chr9.22563	0.00189	TRUE	1	FALSE	0.131762908	FALSE
Chr9	32495739	32495964	Chr9.23942	0.00563	TRUE	0.474558978	FALSE	0.252513998	FALSE
Chr9	32519210	32519459	Chr9.23963	0.00008	TRUE	1	FALSE	0.042115557	FALSE
Chr9	32716183	32716354	Chr9.24355	0.00504	TRUE	1	FALSE	0.16683391	FALSE
Chr9	32717641	32717771	Chr9.24360	0.0003	TRUE	1	FALSE	0.077216003	FALSE
Chr9	32718148	32718278	Chr9.24363	0.00944	FALSE	1	FALSE	0.107191211	FALSE
Chr9	32835497	32835626	Chr9.24590	0.00171	TRUE	1	FALSE	0.05199946	FALSE
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Chr9	32949492	32949602	Chr9.24737	0.00408	FALSE	1	FALSE	0.226694908	FALSE
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Chr9	35443748	35444038	Chr9.27728	0.02407	TRUE	1	FALSE	0.530774486	FALSE
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Chr9	43107327	43107466	Chr9.35956	0.01621	TRUE	1	FALSE	0.221039962	FALSE
Chr9	43205864	43206032	Chr9.36122	0.00645	TRUE	1	FALSE	0.078329168	FALSE
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Chr9	43768025	43769120	Chr9.36756	0.01521	TRUE	1	FALSE	0.19852327	FALSE
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Chr9	47857088	47857378	Chr9:44806	0.00074	TRUE	1	FALSE	0.360227762	FALSE	
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Chr9	50142697	50143076	Chr9:48207	0.00945	TRUE	1	FALSE	0.223405895	FALSE	
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Chr9	50885362	50885519	Chr9:49163	0.00873	TRUE	0.763646576	FALSE	0.26664208	FALSE	
Chr9	50903347	50900473	Chr9:49246	0.00043	TRUE	1	FALSE	0.053521739	FALSE	
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Chr9	52369027	52369151	Chr9:50824	0.01808	TRUE	1	FALSE	0.579650449	FALSE	
Chr9	54303838	54304074	Chr9:52621	0.01388	TRUE	1	FALSE	0.500756399	FALSE	
Chr9	56242063	56242063	Chr9:53899	0.00489	TRUE	0.091213653	FALSE	0.330052529	FALSE	
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Chr9	57781854	57762060	Chr9:56712	0.01342	TRUE	1	FALSE	0.197873557	FALSE	
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Chr9	60119380	60119384	Chr9:59680	0.00304	TRUE	1	FALSE	0.008200903	FALSE	
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Chr9	72730279	72732205	Chr9:76036	0.00811	TRUE	1	FALSE	0.214717819	FALSE	
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Chr9	101501768	101501962	Chr9.98876	0.00053	TRUE	1	FALSE	0.041960717	FALSE	
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Chr9	107510262	107510439	Chr9.106232	0.01415	TRUE	0.120050033	FALSE	0.807718187	FALSE	
Chr9	108189600	108189759	Chr9.109035	0.02077	TRUE	1	FALSE	0.756645458	FALSE	
Chr9	108220455	108220728	Chr9.109164	0.00088	TRUE	1	FALSE	0.111378578	FALSE	
Chr9	110052162	110052429	Chr9.112035	0.0099	TRUE	1	FALSE	0.303844042	FALSE	
Chr9	110250226	110250441	Chr9.112356	0.01083	TRUE	1	FALSE	0.291494139	FALSE	
Chr9	110749704	110749861	Chr9.113449	0.02024	TRUE	0.68141046	FALSE	0.375697607	FALSE	
Chr9	113177144	113177376	Chr9.115846	0.00037	TRUE	0.014208661	FALSE	0.08187375	FALSE	
Chr9	113812461	113812852	Chr9.116381	0.02016	TRUE	1	FALSE	0.236408003	FALSE	
Chr9	115243372	115243619	Chr9.117574	0.00001	TRUE	0.0013335533	FALSE	0.042872441	FALSE	
Chr9	115401552	115401678	Chr9.117712	0.00399	TRUE	1	FALSE	0.051530964	FALSE	
Chr9	115624887	115625131	Chr9.117890	0.01443	TRUE	1	FALSE	0.451230011	FALSE	
Chr9	116133666	116133875	Chr9.118316	0.02072	TRUE	1	FALSE	0.429374423	FALSE	
Chr9	116146541	116146706	Chr9.118326	0.02264	TRUE	1	FALSE	0.489433691	FALSE	
Chr9	116873110	116873306	Chr9.118948	0.01651	TRUE	0.1388641	FALSE	0.39717755	FALSE	
Chr9	117088319	117088560	Chr9.119155	0.00813	TRUE	1	FALSE	0.369047753	FALSE	
Chr9	117089480	117089602	Chr9.119163	0.0062	TRUE	1	FALSE	0.042658411	FALSE	
Chr9	117161195	117161511	Chr9.119252	0.00014	TRUE	1	FALSE	0.106048635	FALSE	
Chr9	117177694	117177870	Chr9.119275	0.00359	TRUE	1	FALSE	0.167470226	FALSE	
Chr9	117179015	117179121	Chr9.119278	0.00147	TRUE	1	FALSE	0.045554563	FALSE	
Chr9	117247386	117247538	Chr9.119367	0.00978	TRUE	0.386766254	FALSE	0.704344405	FALSE	
Chr9	117252421	117252595	Chr9.119395	0.00238	TRUE	1	FALSE	0.07112741	FALSE	
Chr9	117442718	117442913	Chr9.119602	0.00607	TRUE	1	FALSE	0.152692005	FALSE	
Chr9	118476979	118477124	Chr9.120482	0.00204	TRUE	0.27246322	FALSE	0.070658057	FALSE	
Chr9	118660766	118660946	Chr9.121083	0.00039	TRUE	0.010155559	FALSE	0.395332255	FALSE	hs1961
Chr9	119031767	119031907	Chr9.121232	0.01508	TRUE	1	FALSE	0.06450433	FALSE	
Chr9	119041600	119041769	Chr9.121254	0.00121	TRUE	0.017172824	FALSE	0.117037829	FALSE	
Chr9	120015124	120015293	Chr9.123327	0.01198	TRUE	0.467480772	FALSE	0.176353451	FALSE	
Chr9	120015343	120015447	Chr9.123331	0.00911	TRUE	0.121779709	FALSE	0.172061784	FALSE	
Chr9	120603073	120603393	Chr9.123849	0.00815	TRUE	1	FALSE	0.243536652	FALSE	mm1406
Chr9	120734738	120735116	Chr9.123920	0.00655	TRUE	0.009184036	FALSE	0.820580594	FALSE	
Chr9	120769396	120769690	Chr9.123955	0.00011	TRUE	0.007034973	FALSE	0.105520171	FALSE	
Chr9	120869742	120870199	Chr9.124037	0.01475	TRUE	1	FALSE	0.537222932	FALSE	
Chr9	122048267	122048371	Chr9.125490	0.00675	TRUE	0.057999838	FALSE	0.255862386	FALSE	
Chr9	122056576	122056765	Chr9.125530	0.00115	TRUE	0.068620426	FALSE	0.188451874	FALSE	
Chr9	122452214	122452351	Chr9.125817	0.01265	TRUE	0.056866494	FALSE	0.721909877	FALSE	
Chr10	68166411	68167294	Chr10.56960	0	TRUE	0.000456154	TRUE	0.157900934	FALSE	
Chr12	34346524	34346690	Chr12.21454	0	TRUE	0.000418806	TRUE	0.042915006	FALSE	
Chr16	297742389	29774621	Chr16.251726	0	TRUE	0.000431243	TRUE	0.047867229	FALSE	
Chr4	110289768	110290086	Chr4.94852	0	TRUE	0.000559552	TRUE	0.085425222	FALSE	
Chr4	154600030	154600294	Chr4.146798	0.00002	TRUE	0.000388815	TRUE	0.192601794	FALSE	
Chr5	37601140	37602239	Chr5.28944	0	TRUE	0.000168352	TRUE	0.082545607	FALSE	mm427
Chr6	50663634	50663639	Chr6.45055	0	TRUE	0.000116152	TRUE	0.036531901	FALSE	
Chr6	50942488	50943088	Chr6.45554	0	TRUE	9.45E-06	TRUE	0.043975058	FALSE	

Supplemental Table S6: Wolf accelerated regions (WARs)										
Mouse chromosome	Alignment Start position (in reference)	Alignment End position (in reference)	Subaligning ID	ACC vs Neutral (p-value)	BH Pass (ACC)	gBGC vs Neutral (p-value)	BH Pass (gBGC)	gBGC+Sel vs gBGC (p-value)	BH Pass (gBGC+Sel)	VISTA Enhancer ID
Chr1	51607517	51607710	51607710 Chr1.52484	0	TRUE	0.10072442	1	FALSE	0.03404181	
Chr1	74505782	74505904	Chr1.61269	0.00066	TRUE	0	1	FALSE	0.02042658	
Chr1	132928379	132928698	Chr1.105605	0.00015	TRUE	0	1	FALSE	0.031629416	
Chr1	133268041	133268166	Chr1.107149	0	TRUE	0.00006	1	FALSE	0.011561965	
Chr1	134067251	134067544	Chr1.108385	0.00158	TRUE	0	1	FALSE	0.013047987	
Chr1	190259755	190259880	Chr1.163834	0.00074	TRUE	0.318083334	FALSE	0.021594423	TRUE	
Chr10	31150263	31150508	Chr10.26198	0	TRUE	0.004485029	FALSE	0.004485029	TRUE	
Chr10	42052200	42062412	Chr10.355094	0	TRUE	0.136316226	FALSE	0.019441932	TRUE	
Chr10	83895666	83896026	Chr10.73384	0	TRUE	0	1	FALSE	0.032008425	
Chr10	128149635	128149786	Chr10.117059	0.0002	TRUE	0	1	FALSE	0.004389887	
Chr11	6071701	6071832	Chr11.4478	0.0006	TRUE	0	1	FALSE	0.031601852	
Chr11	60155012	60155126	Chr11.56430	0.00001	TRUE	0	1	FALSE	0.013220666	
Chr11	67515342	67515527	Chr11.65131	0.00008	TRUE	0	1	FALSE	0.019640726	
Chr11	67515594	67515833	Chr11.65136	0	TRUE	0	1	FALSE	2.04E-06	
Chr11	70715164	70715296	Chr11.72419	0.00001	TRUE	0	1	FALSE	0.015534818	
Chr11	71758257	71758358	Chr11.73090	0	TRUE	0	1	FALSE	0.000120529	
Chr11	72130172	72130276	Chr11.73529	0.0006	TRUE	0	1	FALSE	0.031994448	
Chr11	72138238	72138346	Chr11.73538	0	TRUE	0	1	FALSE	9.85E-05	
Chr11	72395715	72395866	Chr11.73893	0.00006	TRUE	0.092028804	FALSE	0.023337218	TRUE	
Chr11	72489362	72489474	Chr11.74180	0.00001	TRUE	0	1	FALSE	0.000268804	
Chr11	72472512	72472710	Chr11.74186	0	TRUE	0	1	FALSE	0.002318198	
Chr11	72485278	72485441	Chr11.74196	0.00062	TRUE	0	1	FALSE	0.004128687	
Chr11	72506888	72506970	Chr11.74239	0	TRUE	0	1	FALSE	0.00143664	
Chr11	95645886	95646032	Chr11.107390	0.00109	TRUE	0	1	FALSE	0.020072765	
Chr11	113565751	113565887	Chr11.138059	0.00121	TRUE	0.103951653	FALSE	0.025921342	TRUE	
Chr12	27472387	27472506	Chr12.16479	0.00001	TRUE	0	1	FALSE	0.020596869	
Chr12	23622568	23622707	Chr13.13275	0	TRUE	0	1	FALSE	7.91E-12	
Chr13	23622866	23623107	Chr13.13282	0	TRUE	0	1	FALSE	1.01E-07	
Chr13	48694911	48695209	Chr13.36490	0	TRUE	0	1	FALSE	0.001351251	
Chr13	48731483	48731691	Chr13.36241	0.00008	TRUE	0.681383823	FALSE	0.014979347	TRUE	
Chr13	59683043	59683345	Chr13.46467	0	TRUE	0	1	FALSE	0.00001247	
Chr13	97514610	97514825	Chr13.75104	0.00023	TRUE	0	1	FALSE	0.000424446	
Chr14	24992950	24993067	Chr14.18703	0	TRUE	0.108434129	FALSE	0.000772475	TRUE	
Chr14	25023071	25023310	Chr14.18750	0	TRUE	0.14172031	FALSE	0.000570919	TRUE	
Chr14	32685584	32685696	Chr14.30453	0	TRUE	0.108395382	FALSE	0.001038235	TRUE	
Chr14	54097180	54097335	Chr14.43845	0	TRUE	0	1	FALSE	0.004883532	
Chr14	12293235	12293260	Chr14.105449	0.00001	FALSE	0	1	FALSE	0.016383534	
Chr15	76452581	76452796	Chr15.54212	0	TRUE	0	1	FALSE	3.94E-06	
Chr15	88561609	88561737	Chr15.68038	0.00001	TRUE	0.174118192	FALSE	0.033010776	TRUE	
Chr15	103177714	103177974	Chr15.88904	0.00027	TRUE	0	1	FALSE	0.020773447	
Chr16	65823776	65823960	Chr16.59526	0	TRUE	0	1	FALSE	0.006678692	
Chr17	5058796	5058991	Chr17.2302	0	TRUE	0	1	FALSE	0.030026625	
Chr17	30235328	30235336	Chr17.24638	0.00158	TRUE	0	1	FALSE	0.023500308	
Chr17	75087562	75087707	Chr17.69515	0.00006	TRUE	0	1	FALSE	0.01969902	
Chr18	13802847	13802974	Chr18.8502	0	TRUE	0	1	FALSE	0.003957763	
Chr18	35027580	35027738	Chr18.28115	0.00003	TRUE	0	1	FALSE	0.023966023	
Chr18	35837425	35837425	Chr18.29362	0	TRUE	0	1	FALSE	0.000165892	
Chr18	36195973	36196087	Chr18.28958	0.001	TRUE	0	1	FALSE	0.0070777146	
Chr18	44581945	44582086	Chr18.45965	0.00001	TRUE	0	1	FALSE	0.001595797	
Chr18	52942189	52942287	Chr18.51865	0.00138	TRUE	0	1	FALSE	0.020965706	
Chr18	69498918	69499070	Chr18.69450	0	TRUE	0.179559625	FALSE	0.001963537	TRUE	
Chr18	74688551	74688652	Chr18.74120	0	TRUE	0.116774447	FALSE	0.03256041	TRUE	
Chr18	75398752	75398708	Chr18.74886	0	TRUE	0	1	FALSE	9.23E-05	
Chr18	75423266	75423604	Chr18.74903	0	TRUE	0	1	FALSE	5.92E-05	
Chr18	75510985	75511223	Chr18.75042	0.00043	TRUE	0	1	FALSE	0.025098432	
Chr18	78807421	78807548	Chr18.78444	0.00039	TRUE	0	1	FALSE	0.031100004	
Chr18	78882235	78882494	Chr18.78936	0	TRUE	0	1	FALSE	0.01888911	
Chr18	84129368	84129509	Chr18.83395	0.00001	TRUE	0	1	FALSE	0.005083575	
Chr2	27681880	27682017	Chr2.24055	0	TRUE	0.149877465	FALSE	0.003234127	TRUE	
Chr2	31761305	31761427	Chr2.30841	0	TRUE	0	1	FALSE	0.000160956	
Chr2	33070746	33071486	Chr2.34739	0.00007	TRUE	0	1	FALSE	0.000221729	
Chr2	36203133	36203658	Chr2.38320	0	TRUE	0	1	FALSE	0.022251345	
Chr2	63854343	63854633	Chr2.67715	0	TRUE	0.082553397	FALSE	0.001975184	TRUE	
Chr2	102820483	102820483	Chr2.11928	0	TRUE	0.19323401	FALSE	0.025428662	TRUE	
Chr2	120059349	120059538	Chr2.133402	0.00187	TRUE	0	1	FALSE	0.012784241	
Chr2	163535241	163535377	Chr2.182512	0.00176	TRUE	0	1	FALSE	0.024869798	
Chr3	21938373	21938373	Chr3.11142	0	TRUE	0.29410553	1	FALSE	0.00630733	
Chr3	87152444	87152610	Chr3.61569	0.00002	TRUE	0	1	FALSE	0.01911457	
Chr3	88207317	88207317	Chr3.63577	0.00032	TRUE	0	1	FALSE	0.025812933	
Chr3	88537331	88537461	Chr3.64405	0	TRUE	0	1	FALSE	6.90E-05	
Chr3	89652804	89653016	Chr3.67265	0.00011	TRUE	0	1	FALSE	0.016218552	
Chr3	89843282	89843516	Chr3.67587	0.00002	TRUE	0	1	FALSE	0.011436741	
Chr3	90000113	90000310	Chr3.67891	0	TRUE	0.203213541	FALSE	0.000491711	TRUE	
Chr3	90096862	90096920	Chr3.68122	0.00001	FALSE	0	1	FALSE	0.014386223	
Chr3	104773454	104773569	Chr3.83593	0.00258	TRUE	0	1	FALSE	0.027487215	
Chr3	105128009	105128299	Chr3.84201	0.00001	TRUE	0	1	FALSE	0.012647444	
Chr3	145645417	145645754	Chr3.124135	0	FALSE	0.10331274	1	FALSE	0.020211652	
Chr4	10774586	10774717	Chr4.5348	0.00001	TRUE	0.338601362	FALSE	0.019611298	TRUE	
Chr4	41628999	41629107	Chr4.28635	0.00195	TRUE	0	1	FALSE	0.0188669	
Chr4	41655539	41655777	Chr4.28990	0.00023	TRUE	0	1	FALSE	0.011255571	
Chr4	46604172	46604281	Chr4.34705	0.0020	TRUE	0	1	FALSE	0.0213053	
Chr4	47139683	47139495	Chr4.35325	0	TRUE	0	1	FALSE	0.005303172	
Chr4	124178715	124178881	Chr4.107645	0	TRUE	0	1	FALSE	9.13E-05	
Chr4	12419975	12420216	Chr4.107680	0	TRUE	0	1	FALSE	0.012998162	
Chr4	130081401	130081534	Chr4.115981	0.00003	TRUE	0	1	FALSE	0.011271247	
Chr5	41625572	41626754	Chr5.31300	0.00001	TRUE	0	1	FALSE	0.000897323	
Chr5	54181230	54181369	Chr5.43474	0	TRUE	0	1	FALSE	0.000969239	
Chr5	119742694	119742793	Chr5.100612	0.00002	TRUE	0	1	FALSE	0.027637444	
Chr5	131733504	131733656	Chr5.114197	0	TRUE	0	1	FALSE	0.015000401	
Chr5	136997905	136998035	Chr5.120678	0.00315	TRUE	0	1	FALSE	0.004496901	
Chr6	28550631	28550950	Chr6.22238	0	TRUE	0	1	FALSE	0.031620098	
Chr6	125149025	125149239	Chr6.109797	0.00002	TRUE	0	1	FALSE	0.001170947	
Chr6	127144127	127144122	Chr6.124114	0.00178	TRUE	0	1	FALSE	0.018453662	
Chr7	70731240	70731367	Chr7.46638	0	TRUE	0	1	FALSE	0.024695254	
Chr7	74464747	74464853	Chr7.50468	0.00014	TRUE	0	1	FALSE	0.032664497	
Chr7	89773984	89774105	Chr7.62393	0.00011	TRUE	0	1	FALSE	0.015203929	
Chr7	115259918	115261102	Chr7.625330	0	TRUE	0	1	FALSE	8.76E-05	
Chr7	126800880	126801092	Chr7.106469	0.00001	TRUE	0	1	FALSE	0.004740635	
Chr8	12446085	12446188	Chr8.8710	0.0003	TRUE	0	1	FALSE	0.013802303	
Chr8	108862535	108863936	Chr8.98983	0.00081	TRUE	0.482972617	FALSE	0.03174952	TRUE	
Chr8	108929623	10893006	Chr8.99073	0	TRUE	0	1	FALSE	0.007506367	
Chr8	122811959	122812128	Chr8.117302	0.00002	TRUE	0	1	FALSE	0.026157225	
Chr9	6348400	63484147	Chr9.1132	0	TRUE	0	1	FALSE	0.005775749	
Chr9	57023196	57023360	Chr9.95549	0.00001	FALSE	0	1	FALSE	0.011780548	
Chr9	98387996	98388098	Chr9.96356	0	TRUE	0	1	FALSE	0.027235405	
Chr9	15368643	15369039	Chr9.19969	0	TRUE	2.12E-26	TRUE	3.38E-15	TRUE	hs1080
Chr9	50971043	50971154	Chr9.244442	0	TRUE	2.47E-07	TRUE	0.000503928	TRUE	hs1386
Chr9	30105972	30106103	Chr9.18205	0	TRUE	1.41E-08	TRUE	0.007426028	TRUE	hs1433
Chr16	30129938	30130245	Chr16.26096	0	TRUE	2.63E-09	TRUE	0.015625319	TRUE	hs1543
Chr16	108027548	108027842	Chr16.97036	0	TRUE	1.62E-13	TRUE	1.59E-05	TRUE	hs1612
Chr4	144896251	144896437	Chr4.138620	0	TRUE	0.000116725	TRUE	1.00E-46	TRUE	mm1566
Chr13	84058909	84059132	Chr13.64567	0	TRUE	1.59E-07	TRUE	0.007389864	TRUE	mm1660
Chr13	28718609	28718764	Chr13.17223	0	TRUE	7.16E-08	TRUE	0.004510068	TRUE	mm265
Chr11	26469331	26469334								

Chr10	23450864	23450980	Chr10.18350	0	TRUE	1.83E-08	TRUE	3.67E-05	TRUE
Chr10	25361521	25361786	Chr10.20777	0	TRUE	3.05E-07	TRUE	2.08E-05	TRUE
Chr10	25469661	25469863	Chr10.20993	0	TRUE	7.58E-11	TRUE	0.001243791	TRUE
Chr10	28076754	28076912	Chr10.23189	0	TRUE	4.72E-06	TRUE	0.000115757	TRUE
Chr10	30655848	30655992	Chr10.25712	0	TRUE	1.30E-05	TRUE	0.009791542	TRUE
Chr10	32889602	32889648	Chr10.27418	0	TRUE	4.21E-08	TRUE	0.003278694	TRUE
Chr10	37139468	37139656	Chr10.30141	0	TRUE	6.39E-06	TRUE	0.030964122	TRUE
Chr10	37234855	37235003	Chr10.30320	0	TRUE	1.48E-08	TRUE	0.000297306	TRUE
Chr10	37357680	37357646	Chr10.30345	0	TRUE	1.03E-06	TRUE	0.002093847	TRUE
Chr10	37358297	37358554	Chr10.30352	0	TRUE	3.33E-20	TRUE	1.31E-12	TRUE
Chr10	39733812	39733727	Chr10.32227	0	TRUE	2.95E-09	TRUE	0.000177344	TRUE
Chr10	42860512	42860862	Chr10.33505	0	TRUE	6.37E-13	TRUE	0.001186271	TRUE
Chr10	70444708	7044111	Chr10.58950	0	TRUE	2.81E-18	TRUE	0.000200482	TRUE
Chr10	73826572	73826733	Chr10.61371	0	TRUE	7.01E-10	TRUE	0.003892291	TRUE
Chr10	87036342	87036556	Chr10.76851	0	TRUE	2.47E-08	TRUE	1.94E-08	TRUE
Chr10	87652331	87652763	Chr10.77272	0	TRUE	7.39E-10	TRUE	0.000338404	TRUE
Chr10	88604895	88605256	Chr10.78591	0	TRUE	2.42E-13	TRUE	5.52E-05	TRUE
Chr10	89257816	89257958	Chr10.78276	0	TRUE	4.66E-08	TRUE	0.000233952	TRUE
Chr10	90269472	90269643	Chr10.90117	0	TRUE	0.003511794	TRUE	0.007708097	TRUE
Chr10	99533533	99533743	Chr10.90430	0	TRUE	1.97E-06	TRUE	1.46E-05	TRUE
Chr10	106470238	106470999	Chr10.94798	0	TRUE	1.91E-07	TRUE	0.000430332	TRUE
Chr10	109684419	109684608	Chr10.97898	0	TRUE	1.50E-11	TRUE	3.63E-08	TRUE
Chr10	109684722	109684940	Chr10.97905	0	TRUE	7.23E-06	TRUE	0.006900336	TRUE
Chr10	110927500	110927719	Chr10.99207	0	TRUE	2.66E-11	TRUE	0.001712649	TRUE
Chr10	111544054	111544328	Chr10.99990	0	TRUE	9.57E-12	TRUE	2.04E-07	TRUE
Chr10	115314775	115314889	Chr10.10261	0	TRUE	2.62E-08	TRUE	8.78E-05	TRUE
Chr10	115493740	115493855	Chr10.102981	0	TRUE	9.66E-06	TRUE	0.001262584	TRUE
Chr10	115520047	115520774	Chr10.103013	0	TRUE	3.22E-05	TRUE	0.008696388	TRUE
Chr10	117478095	117478251	Chr10.104896	0	TRUE	0.001857121	TRUE	0.000388077	TRUE
Chr10	118640951	118641053	Chr10.105816	0	TRUE	9.19E-07	TRUE	0.000426588	TRUE
Chr10	118641088	118641252	Chr10.105818	0	TRUE	8.39E-10	TRUE	2.81E-07	TRUE
Chr10	119891607	119891815	Chr10.105949	0	TRUE	1.82E-18	TRUE	7.15E-12	TRUE
Chr10	120478402	120478547	Chr10.107983	0	TRUE	2.44E-06	TRUE	0.026787945	TRUE
Chr10	120720985	120721184	Chr10.108329	0	TRUE	1.10E-06	TRUE	1.11E-05	TRUE
Chr10	120721273	120721383	Chr10.108332	0	TRUE	3.88E-05	TRUE	0.000575027	TRUE
Chr10	120745169	120745485	Chr10.109387	0	TRUE	0.000169892	TRUE	0.002693351	TRUE
Chr10	122792079	122792238	Chr10.109992	0	TRUE	1.08E-10	TRUE	0.001276879	TRUE
Chr10	123035952	123036089	Chr10.112718	0	TRUE	0.099194928	TRUE	0.002079698	TRUE
Chr10	126957704	126957849	Chr10.113396	0	TRUE	3.51E-10	TRUE	0.009133344	TRUE
Chr10	127721832	127721940	Chr10.116069	0	TRUE	0.023629878	TRUE	2.92E-07	TRUE
Chr10	128493803	128493931	Chr10.117965	0	TRUE	4.11E-05	TRUE	0.007602343	TRUE
Chr11	12034525	120365238	Chr11.7083	0	TRUE	0.0036527634	TRUE	0.004563339	TRUE
Chr11	18970491	18970630	Chr11.10338	0	TRUE	2.06E-10	TRUE	2.04E-05	TRUE
Chr11	18897928	18898056	Chr11.10447	0	TRUE	8.58E-16	TRUE	2.81E-05	TRUE
Chr11	18898391	18898440	Chr11.10453	0	TRUE	9.86E-10	TRUE	1.13E-07	TRUE
Chr11	18898527	18898643	Chr11.10457	0	TRUE	9.34E-10	TRUE	0.014983209	TRUE
Chr11	19018928	19019098	Chr11.104931	0	TRUE	7.44E-05	TRUE	0.003381283	TRUE
Chr11	1984437	19964570	Chr11.12264	0.00001	TRUE	0.017375094	TRUE	0.009304087	TRUE
Chr11	33123287	33123338	Chr11.25547	0	TRUE	0.000147947	TRUE	0.001918349	TRUE
Chr11	68691764	68691988	Chr11.66531	0.00009	TRUE	0.061810084	TRUE	0.003636625	TRUE
Chr11	72080590	72080689	Chr11.73512	0	TRUE	0.000514452	TRUE	0.025075643	TRUE
Chr11	103916045	103916159	Chr11.1257458	0	TRUE	2.39E-05	TRUE	0.02015547	TRUE
Chr11	25100913	25101043	Chr12.14560	0	TRUE	8.80E-06	TRUE	0.007545056	TRUE
Chr12	28673212	28673428	Chr12.17067	0	TRUE	2.49E-05	TRUE	0.021653818	TRUE
Chr12	29830001	29830438	Chr12.17475	0	TRUE	9.58E-12	TRUE	4.92E-08	TRUE
Chr12	33303488	33303619	Chr12.20194	0	TRUE	5.98E-09	TRUE	0.000112027	TRUE
Chr12	44338188	44338489	Chr12.29858	0	TRUE	2.76E-05	TRUE	0.003031678	TRUE
Chr12	44338027	44338692	Chr12.29858	0	TRUE	2.40E-06	TRUE	3.32E-06	TRUE
Chr12	99562390	99562525	Chr12.94475	0	TRUE	4.68E-08	TRUE	0.00372911	TRUE
Chr13	6473911	6474030	Chr13.1807	0	TRUE	0.000534686	TRUE	0.018958726	TRUE
Chr13	12520435	12520562	Chr13.5639	0	TRUE	1.08E-08	TRUE	3.66E-10	TRUE
Chr13	17185093	17185216	Chr13.9203	0	TRUE	0.0051976	TRUE	0.002551371	TRUE
Chr13	17185325	17185437	Chr13.9207	0	TRUE	0.001925184	TRUE	1.75E-10	TRUE
Chr13	30966994	30967158	Chr13.19434	0	TRUE	0.000499915	TRUE	0.008667392	TRUE
Chr13	30969897	30969860	Chr13.19457	0	TRUE	1.43E-07	TRUE	0.019107185	TRUE
Chr13	31955195	31955434	Chr13.20274	0	TRUE	1.23E-10	TRUE	1.08E-06	TRUE
Chr13	31960545	31960892	Chr13.20292	0	TRUE	4.38E-09	TRUE	0.002559842	TRUE
Chr13	31971405	31971674	Chr13.20312	0	TRUE	2.01E-13	TRUE	0.00033864	TRUE
Chr13	32411592	32411735	Chr13.20884	0	TRUE	6.36E-18	TRUE	1.51E-11	TRUE
Chr13	32611962	32612266	Chr13.21119	0	TRUE	3.93E-14	TRUE	4.42E-09	TRUE
Chr13	32649620	32649762	Chr13.21158	0	TRUE	8.76E-08	TRUE	0.004460722	TRUE
Chr13	40285433	40285704	Chr13.27289	0	TRUE	6.15E-07	TRUE	3.07E-08	TRUE
Chr13	48593366	48593544	Chr13.36447	0	TRUE	8.37E-06	TRUE	0.012140447	TRUE
Chr13	48594149	48594289	Chr13.36452	0	TRUE	0.00049128	TRUE	0.003330904	TRUE
Chr13	49050550	49050773	Chr13.36820	0.00004	TRUE	0.000077247	TRUE	0.000259176	TRUE
Chr13	53086720	53086955	Chr13.38351	0	TRUE	0.000477973	TRUE	0.010640094	TRUE
Chr13	55857487	55857659	Chr13.41887	0	TRUE	6.54E-09	TRUE	0.002251741	TRUE
Chr13	56085679	56086858	Chr13.42273	0	TRUE	0.001497846	TRUE	0.000302984	TRUE
Chr13	57450485	57450810	Chr13.43775	0	TRUE	1.45E-06	TRUE	0.001682401	TRUE
Chr13	63918227	63918409	Chr13.48961	0	TRUE	2.67E-05	TRUE	0.024638602	TRUE
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Chr13	64022964	64021220	Chr13.49055	0	TRUE	5.22E-07	TRUE	0.000110288	TRUE
Chr13	78181221	78181535	Chr13.57908	0	TRUE	8.25E-05	TRUE	0.018182695	TRUE
Chr13	93304586	93304817	Chr13.71067	0	TRUE	7.20E-11	TRUE	0.019378558	TRUE
Chr13	94159135	94159298	Chr13.71855	0	TRUE	5.07E-10	TRUE	0.000549015	TRUE
Chr13	94710046	94710469	Chr13.72543	0	TRUE	9.59E-06	TRUE	0.000172715	TRUE
Chr13	97242328	97242514	Chr13.74688	0	TRUE	1.68E-11	TRUE	2.89E-05	TRUE
Chr13	97310843	97311018	Chr13.74839	0	TRUE	4.04E-09	TRUE	6.34E-09	TRUE
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Chr13	97450163	97450327	Chr13.75018	0	TRUE	1.96E-05	TRUE	0.028427421	TRUE
Chr13	97512662	97512872	Chr13.75095	0	TRUE	3.65E-08	TRUE	2.29E-05	TRUE
Chr13	97514404	97514587	Chr13.75098	0	TRUE	1.98E-06	TRUE	1.58E-09	TRUE
Chr13	97533992	97534331	Chr13.75136	0	TRUE	1.62E-19	TRUE	2.67E-15	TRUE
Chr13	97577286	97577613	Chr13.75194	0	TRUE	2.00E-10	TRUE	0.014078708	TRUE
Chr13	97645290	97645594	Chr13.75274	0	TRUE	9.05E-16	TRUE	2.49E-06	TRUE
Chr13	97645647	97645746	Chr13.75280	0	TRUE	0.001343722	TRUE	0.003898963	TRUE
Chr13	97725381	97725518	Chr13.75360	0	TRUE	0.000378942	TRUE	9.27E-07	TRUE
Chr13	97747871	97748021	Chr13.75389	0	TRUE	9.41E-09	TRUE	0.005442884	TRUE
Chr13	97750916	97751094	Chr13.75394	0	TRUE	3.71E-07	TRUE	0.00147E-05	TRUE
Chr13	97763469	97763635	Chr13.75414	0	TRUE	8.79E-06	TRUE	0.000233587	TRUE
Chr13	97791984	97792209	Chr13.75460	0	TRUE	3.34E-09	TRUE	0.010918475	TRUE
Chr13	97877493	97880054	Chr13.75533	0	TRUE	3.82E-05	TRUE	1.27E-08	TRUE
Chr13	98309859	98309106	Chr13.76138	0	TRUE	4.50E-05	TRUE	4.000312415	TRUE
Chr13	98393331	98393840	Chr13.76150	0	TRUE	2.39E-18	TRUE	2.32E-14	TRUE
Chr13	98429977	98430192	Chr13.76200	0	TRUE	1.44E-06	TRUE	0.00150979	TRUE
Chr13	98475849	98476000	Chr13.76245	0	TRUE	0.000112485	TRUE	0.000853327	TRUE
Chr13	98480218	98482856	Chr13.76285	0	TRUE	2.28E-08	TRUE	1.41E-08	TRUE
Chr13	98490531	98490255	Chr13.76300	0	TRUE	5.14E-06	TRUE	9.03E-05	TRUE
Chr13	98534991	98535156	Chr13.76341	0	TRUE	0.002855662	TRUE	2.40E-05	TRUE
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Chr13	99056331	99058465	Chr13.77529	0	TRUE	1.94E-06	TRUE	1.57E-05	TRUE
Chr13	99781927	99782049	Chr13.77741	0	TRUE	3.01E-05	TRUE	6.04E-05	TRUE
Chr13	99781125	99781312	Chr13.77750	0	TRUE	4.05E-11	TRUE	5.89E-05	TRUE
Chr13	100516334	100516470	Chr13.78185	0	TRUE	0.072597482	TRUE	0.01478902	TRUE
Chr13	100892598	100892796	Chr13.78599	0	TRUE	1.87E-10	TRUE	8.32E-05	TRUE
Chr13	103096742	103097022	Chr13.81462	0	TRUE	4.23E-06	TRUE	0.012683979	TRUE
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Chr16	29996727	29996951	Chr16.25919	0	TRUE	1.84E-10	TRUE	2.66E-06	TRUE
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Chr16	32247071	32247181	Chr16.27765	0.00004	TRUE	0.04612448	TRUE	0.003996002	TRUE
Chr16	33381617	33381962	Chr16.28904	0	TRUE	1.23E-22	TRUE	2.18E-08	TRUE
Chr16	34994704	34994955	Chr16.30884	0	TRUE	3.73E-05	TRUE	0.006117629	TRUE
Chr16	35625298	35625532	Chr16.31609	0	TRUE	9.23E-07	TRUE	0.001559677	TRUE
Chr16	42189717	42189875	Chr16.36242	0	TRUE	6.25E-11	TRUE	1.30E-05	TRUE
Chr16	42444474	42444593	Chr16.36936	0	TRUE	4.73E-06	TRUE	0.002011101	TRUE
Chr16	44239026	44239131	Chr16.42493	0	TRUE	1.84E-05	TRUE	0.013545218	TRUE
Chr16	50364237	50364580	Chr16.47668	0	TRUE	6.38E-13	TRUE	0.001143792	TRUE
Chr16	50432234	50432448	Chr16.47778	0	TRUE	8.55E-09	TRUE	0.002536318	TRUE
Chr16	52454036	52454141	Chr16.49474	0	TRUE	1.43E-05	TRUE	0.02119417	TRUE
Chr16	72027579	72027694	Chr16.64247	0	TRUE	2.73E-09	TRUE	8.85E-05	TRUE
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Chr17	35703960	35704165	Chr17.34293	0.00004	TRUE	0.001384272	TRUE	0.014905525	TRUE
Chr17	62606778	62606960	Chr17.56938	0	TRUE	3.46E-13	TRUE	1.55E-06	TRUE
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Chr17	62614507	62614777	Chr17.56980	0	TRUE	0.000789297	TRUE	0.008911143	TRUE
Chr17	62615297	62615467	Chr17.56986	0	TRUE	9.25E-11	TRUE	1.27E-11	TRUE
Chr17	62625536	62625962	Chr17.57022	0	TRUE	1.19E-15	TRUE	1.12E-05	TRUE
Chr17	62659638	62659970	Chr17.57135	0	TRUE	1.21E-06	TRUE	0.001174252	TRUE
Chr17	62676852	62676976	Chr17.57215	0	TRUE	6.98E-07	TRUE	0.001972317	TRUE
Chr17	62677077	62677196	Chr17.57222	0	TRUE	6.28E-09	TRUE	0.000231997	TRUE
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Chr17	62730245	62730394	Chr17.57363	0	TRUE	1.84E-05	TRUE	2.55E-06	TRUE
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Chr17	62761051	62761105	Chr17.57461	0	TRUE	2.26E-13	TRUE	0.002829342	TRUE
Chr17	62862771	62862891	Chr17.57602	0	TRUE	0.000425096	TRUE	0.00113569	TRUE
Chr17	64612727	64612881	Chr17.59562	0	TRUE	9.14E-09	TRUE	0.008511478	TRUE
Chr17	64915291	64915485	Chr17.59974	0	TRUE	4.73E-08	TRUE	0.004103407	TRUE
Chr17	64915805	64915981	Chr17.59982	0	TRUE	5.16E-11	TRUE	0.000167516	TRUE
Chr17	86937928	86938034	Chr17.81437	0	TRUE	4.08E-06	TRUE	0.004054889	TRUE
Chr18	8516087	85162125	Chr18.26136	0	TRUE	8.37E-08	TRUE	6.07E-06	TRUE
Chr18	13032324	13032526	Chr18.17286	0	TRUE	6.75E-05	TRUE	0.002603305	TRUE
Chr18	14980490	14980597	Chr18.10247	0	TRUE	2.08E-08	TRUE	0.003794851	TRUE
Chr18	33260435	33260539	Chr18.26422	0	TRUE	2.52E-08	TRUE	2.79E-06	TRUE
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Chr18	33510809	33510990	Chr18.26582	0	TRUE	8.79E-15	TRUE	8.25E-08	TRUE
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Chr18	34116752	34116926	Chr18.26834	0	TRUE	2.86E-12	TRUE	8.03E-06	TRUE
Chr18	34136991	34137242	Chr18.26835	0	TRUE	1.46E-09	TRUE	1.20E-05	TRUE
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Chr18	36329804	36329971	Chr18.30224	0	TRUE	0.006502963	TRUE	0.00665604	TRUE
Chr18	38174259	38174458	Chr18.39047	0	TRUE	4.57E-07	TRUE	0.003149119	TRUE
Chr18	38696193	38696300	Chr18.39972	0	TRUE	0.002266036	TRUE	0.019510391	TRUE
Chr18	38919025	38919125	Chr18.40316	0	TRUE	8.95E-06	TRUE	0.001230688	TRUE
Chr18	47194611	47194724	Chr18.47503	0	TRUE	5.75E-05	TRUE	0.007147425	TRUE
Chr18	54686187	54686445	Chr18.53881	0	TRUE	0.070820708	TRUE	0.009585329	TRUE
Chr18	58451964	58452073	Chr18.56142	0	TRUE	3.91E-05	TRUE	0.018861289	TRUE
Chr18	60413996	60414231	Chr18.64006	0	TRUE	0.000215338	TRUE	0.011992803	TRUE
Chr18	64265008	64265141	Chr18.64303	0	TRUE	2.12E-07	TRUE	0.021555327	TRUE
Chr18	68117762	68117865	Chr18.67603	0	TRUE	1.08E-07	TRUE	0.000139558	TRUE
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Chr18	69516484	69516806	Chr18.69515	0	TRUE	8.41E-17	TRUE	1.55E-06	TRUE
Chr18	69671235	69671413	Chr18.69976	0	TRUE	1.56E-10	TRUE	0.000361409	TRUE
Chr18	72347078	72347261	Chr18.72619	0	TRUE	7.63E-12	TRUE	6.85E-06	TRUE
Chr18	73163882	73164107	Chr18.73113	0	TRUE	2.62E-06	TRUE	0.002081544	TRUE
Chr18	75262377	75262609	Chr18.74662	0	TRUE	8.68E-05	TRUE	0.01449672	TRUE
Chr18	75492752	75492920	Chr18.75012	0	TRUE	0.000270523	TRUE	0.023559114	TRUE
Chr18	75537997	75538228	Chr18.75107	0	TRUE	0.000168916	TRUE	0.001678378	TRUE
Chr18	76059322	76059545	Chr18.75483	0	TRUE	7.30E-08	TRUE	1.31E-06	TRUE
Chr19	13130741	13130948	Chr19.33372	0	TRUE	0.001714609	TRUE	0.010915775	TRUE
Chr19	32341282	32341467	Chr19.34208	0	TRUE	7.44E-08	TRUE	0.00123155	TRUE
Chr19	32902033	32902156	Chr19.34572	0	TRUE	3.94E-06	TRUE	0.00123155	TRUE
Chr19	32939841	32940012	Chr19.34609	0	TRUE	7.26E-09	TRUE	0.001454114	TRUE
Chr19	33023269	33023254	Chr19.34675	0	TRUE	4.43E-14	TRUE	0.004035625	TRUE
Chr19	33069972	33070073	Chr19.34743	0	TRUE	4.69E-05	TRUE	0.009170326	TRUE
Chr19	33110393	33110519	Chr19.34801	0	TRUE	1.93E-05	TRUE	0.005196158	TRUE
Chr19	33143440	33143620	Chr19.34844	0	TRUE	4.25E-07	TRUE	1.99E-06	TRUE
Chr19	33232470	33232581	Chr19.34942	0	TRUE	2.00E-10	TRUE	5.46E-06	TRUE
Chr19	56029711	56029901	Chr19.61849	0	TRUE	0.047700024	TRUE	7.79E-05	TRUE
Chr2	20519775	20519874	Chr2.15656	0	TRUE	7.80E-10	TRUE	0.026680407	TRUE
Chr2	34687602	34688912	Chr2.36259	0	TRUE	0.001244981	TRUE	0.004445241	TRUE
Chr2	35250319	35250541	Chr2.37061	0	TRUE	0.000304081	TRUE	4.59E-05	TRUE
Chr2	35662492	35662630	Chr2.37490	0	TRUE	3.58E-09	TRUE	0.002671974	TRUE
Chr2	37629671	37630246	Chr2.40054	0	TRUE	3.70E-12	TRUE	1.56E-11	TRUE
Chr2	38348693	38348822	Chr2.41048	0	TRUE	4.16E-05	TRUE	0.024397687	TRUE
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Chr2	42653361	42653341	Chr2.44021	0	TRUE	3.83E-20	TRUE	2.06E-10	TRUE
Chr2	44557344	44557448	Chr2.46518	0	TRUE	1.43E-05	TRUE	0.00026121	TRUE
Chr2	44564667	44564809	Chr2.46536	0	TRUE	7.99E-08	TRUE	0.000796139	TRUE
Chr2	44977891	44978073	Chr2.47188	0	TRUE	5.15E-05	TRUE	0.011340537	TRUE
Chr2	46443026	46443387	Chr2.49939	0	TRUE	3.32E-07	TRUE	0.001232082	TRUE
Chr2	48814975	48815135	Chr2.52201	0	TRUE	1.20E-06	TRUE	6.18E-05	TRUE
Chr2	48815300	48815510	Chr2.52202	0	TRUE	2.66E-16	TRUE	4.20E-06	TRUE
Chr2	48815619	48815746	Chr2.52203	0	TRUE	1.29E-07	TRUE	0.006858087	TRUE
Chr2	49452853	49453067	Chr2.52729	0	TRUE	1.07E-12	TRUE	0.000159263	TRUE
Chr2	49811321	49811584	Chr2.53150	0	TRUE	1.85E-16	TRUE	8.70E-07	TRUE
Chr2	51099825	51100151	Chr2.54593	0	TRUE	2.22E-10	TRUE	1.71E-05	TRUE
Chr2	51285159	51285197	Chr2.54868	0	TRUE	6.47E-05	TRUE	0.003433133	TRUE
Chr2	51531510	51531817	Chr2.55044	0	TRUE	2.38E-11	TRUE	0.00078727	TRUE
Chr2	51599681	51600343	Chr2.55124	0	TRUE	4.91E-12	TRUE	0.014688741	TRUE
Chr2	51841015	51841209	Chr2.55379	0	TRUE	2.83E-10	TRUE	5.97E-09	TRUE
Chr2	52091678	52091816	Chr2.57038	0	TRUE	1.45E-06	TRUE	0.008237999	TRUE
Chr2	52911569	52911683	Chr2.57056	0	TRUE	6.84E-09	TRUE	0.002291557	TRUE
Chr2	52985006	52985170	Chr2.57128	0	TRUE	6.97E-07	TRUE	0.021899477	TRUE
Chr2	53037006	53037130	Chr2.57168	0	TRUE	1.31E-08	TRUE	0.000735885	TRUE
Chr2	57114217	57114346	Chr2.59602	0	TRUE	3.98E-08	TRUE	0.006691646	TRUE
Chr2	57117608	57117700	Chr2.59708	0	TRUE	4.76E-08	TRUE	0.01372012	TRUE
Chr2	57123269	57123466	Chr2.59737	0	TRUE	1.19E-10	TRUE	0.002102436	TRUE
Chr2	59160564	59160515	Chr2.61994	0	TRUE	0.170E-05	TRUE	0.012692629	TRUE
Chr2	59613727	59614108	Chr2.62553	0	TRUE	9.74E-13	TRUE	0.001328917	TRUE
Chr2	60124541	60124701	Chr2.63330	0	TRUE	0.000272544	TRUE	0.032548122	TRUE
Chr2	63187172	63189351	Chr2.67084	0	TRUE	1.87E-16	TRUE	1.50E-12	TRUE
Chr2	63701902	63702263	Chr2.67515	0	TRUE	1.39E-05	TRUE	0.024038455	TRUE
Chr2	65237645	65237788	Chr2.69715	0	TRUE	8.40E-08	TRUE	0.020101904	TRUE
Chr2	66177967	66178217	Chr2.70888	0	TRUE	6.71E-13	TRUE	0.000291951	TRUE
Chr2	66178249	66178605	Chr2.70891	0	TRUE	2.14E-15	TRUE	3.50E-05	TRUE
Chr2	70453265	70453401	Chr2.75884	0	TRUE	8.16E-10	TRUE	2.39E-06	TRUE
Chr2	71690707	71690880	Chr2.77601	0	TRUE	9.19E-07	TRUE	0.013001441	TRUE
Chr2	72781788	72782193	Chr2.78017	0	TRUE	2.90E-06	TRUE	0.014400501	TRUE
Chr2	74602671	74602615	Chr2.82846	0	TRUE	3.61E-06	TRUE	0.015759123	TRUE
Chr2	75703348	75703553	Chr2.84475	0	TRUE	2.91E-13	TRUE	2.33E-06	TRUE
Chr2	77334388								

Chr3	52007783	52007967	Chr3.35550	0	TRUE	2.54E-06	TRUE	1.51E-06	TRUE
Chr3	52105388	52105564	Chr3.35728	0	TRUE	3.78E-09	TRUE	4.49E-05	TRUE
Chr3	57464831	57464957	Chr3.40360	0	TRUE	4.73E-07	TRUE	0.0007115	TRUE
Chr3	60527733	60528524	Chr3.43172	0	TRUE	5.83E-20	TRUE	0.001462856	TRUE
Chr3	63670848	63670792	Chr3.44967	0	TRUE	1.03E-08	TRUE	0.01964026	TRUE
Chr3	64949258	64949338	Chr3.45902	0	TRUE	3.25E-07	TRUE	0.013130809	TRUE
Chr3	66515599	66515743	Chr3.47300	0	TRUE	6.87E-11	TRUE	7.10E-05	TRUE
Chr3	66701811	66701944	Chr3.47573	0	TRUE	5.60E-07	TRUE	0.004630124	TRUE
Chr3	66960289	66965474	Chr3.47994	0	TRUE	1.29E-06	TRUE	0.004637398	TRUE
Chr3	68572145	68572377	Chr3.49520	0	TRUE	5.25E-11	TRUE	8.31E-06	TRUE
Chr3	73057475	73057573	Chr3.51874	0	TRUE	0.000115204	TRUE	0.026576142	TRUE
Chr3	73708150	73708366	Chr3.52107	0	TRUE	6.03E-11	TRUE	0.000696011	TRUE
Chr3	75556494	75556621	Chr3.52760	0	TRUE	2.45E-05	TRUE	0.030269002	TRUE
Chr3	79855892	79860919	Chr3.54620	0	TRUE	0.00035995	TRUE	0.006642674	TRUE
Chr3	85186787	85186894	Chr3.55056	0	TRUE	7.69E-06	TRUE	0.010510152	TRUE
Chr3	87098576	87098864	Chr3.61510	0	TRUE	0.000329951	TRUE	0.024158357	TRUE
Chr3	87104344	87104461	Chr3.61513	0	TRUE	0.000329979	TRUE	0.000205865	TRUE
Chr3	104817331	104817507	Chr3.83758	0	TRUE	8.91E-09	TRUE	0.000689419	TRUE
Chr3	105710302	105710260	Chr3.85035	0	TRUE	0.000752402	TRUE	0.001230199	TRUE
Chr3	105714316	105714503	Chr3.85044	0	TRUE	0.000408861	TRUE	0.016177269	TRUE
Chr3	107102646	107102762	Chr3.86230	0	TRUE	0.000612079	TRUE	0.002662947	TRUE
Chr3	109782212	109782352	Chr3.90551	0	TRUE	4.29E-07	TRUE	0.002017146	TRUE
Chr3	122461452	122461620	Chr3.101409	0	TRUE	7.25E-07	TRUE	0.017698744	TRUE
Chr3	143750141	143750354	Chr3.121118	0	TRUE	0.000272211	TRUE	0.009550584	TRUE
Chr3	147101021	147101181	Chr3.126049	0	TRUE	6.28E-10	TRUE	0.000166351	TRUE
Chr3	153292471	153292639	Chr3.134436	0	TRUE	1.89E-10	TRUE	8.02E-08	TRUE
Chr3	153549161	153549271	Chr3.134860	0.00006	TRUE	0.003841221	TRUE	0.033004164	TRUE
Chr3	153715654	153715832	Chr3.135078	0	TRUE	1.69E-06	TRUE	0.021040225	TRUE
Chr3	154781132	154781385	Chr3.136275	0	TRUE	5.82E-05	TRUE	0.031201296	TRUE
Chr3	156885100	156886271	Chr3.140328	0	TRUE	5.81E-12	TRUE	2.11E-08	TRUE
Chr4	8381571	8381743	Chr4.3186	0.00001	TRUE	0.002033551	TRUE	0.019882381	TRUE
Chr4	9798180	9798300	Chr4.4404	0	TRUE	6.53E-09	TRUE	2.58E-05	TRUE
Chr4	9831115	9831143	Chr4.4442	0	TRUE	1.33E-09	TRUE	1.66E-10	TRUE
Chr4	9874524	9874728	Chr4.4530	0	TRUE	2.45E-07	TRUE	0.003732216	TRUE
Chr4	10857890	10858337	Chr4.5436	0	TRUE	1.02E-21	TRUE	8.29E-08	TRUE
Chr4	11720012	11720181	Chr4.6132	0	TRUE	1.50E-05	TRUE	0.002596998	TRUE
Chr4	12506622	12506824	Chr4.6882	0	TRUE	2.40E-10	TRUE	0.001070189	TRUE
Chr4	12507200	12507370	Chr4.6886	0	TRUE	6.96E-07	TRUE	0.008170774	TRUE
Chr4	55089222	55089222	Chr4.62096	0	TRUE	2.23E-12	TRUE	0.003162433	TRUE
Chr4	59806720	59806504	Chr4.46973	0.00001	TRUE	0.002244205	TRUE	0.019155747	TRUE
Chr4	62744612	62744797	Chr4.47835	0	TRUE	5.61E-06	TRUE	0.01673023	TRUE
Chr4	63459589	63459740	Chr4.48848	0	TRUE	3.32E-05	TRUE	0.002725995	TRUE
Chr4	70255685	70255847	Chr4.50295	0	TRUE	2.24E-09	TRUE	0.002906418	TRUE
Chr4	81743999	81744148	Chr4.63128	0.00001	TRUE	0.001926193	TRUE	0.0029332	TRUE
Chr4	83051888	83052090	Chr4.65343	0	TRUE	1.20E-14	TRUE	6.37E-07	TRUE
Chr4	95156887	95157132	Chr4.77542	0	TRUE	0.002540093	TRUE	0.010704604	TRUE
Chr4	97647872	97647976	Chr4.79621	0.00017	TRUE	0.046569469	TRUE	0.028522528	TRUE
Chr4	109865445	109865592	Chr4.83949	0	TRUE	2.60E-05	TRUE	0.03038321	TRUE
Chr4	110051648	110051774	Chr4.84408	0	TRUE	2.69E-07	TRUE	0.033938347	TRUE
Chr4	110296000	110291003	Chr4.94589	0	TRUE	2.87E-13	TRUE	0.004525112	TRUE
Chr4	117914644	117914950	Chr4.101359	0	TRUE	1.98E-07	TRUE	0.00803938	TRUE
Chr4	119814635	119814776	Chr4.103937	0	TRUE	7.17E-08	TRUE	0.003725374	TRUE
Chr4	126314542	126314647	Chr4.110877	0	TRUE	0.000104447	TRUE	0.023852719	TRUE
Chr4	126602214	126602564	Chr4.113374	0	TRUE	1.55E-05	TRUE	1.46E-14	TRUE
Chr4	126967042	126967167	Chr4.111885	0	TRUE	4.92E-06	TRUE	0.032234389	TRUE
Chr4	126964601	126964661	Chr4.111891	0	TRUE	1.24E-12	TRUE	0.000102045	TRUE
Chr4	127227411	127227509	Chr4.112230	0	TRUE	3.02E-08	TRUE	4.06E-05	TRUE
Chr4	131243947	131244116	Chr4.116961	0	TRUE	7.48E-06	TRUE	0.000132954	TRUE
Chr4	142292967	142292980	Chr4.134275	0	TRUE	1.23E-07	TRUE	0.009827997	TRUE
Chr4	143299488	143299623	Chr4.135311	0	TRUE	1.46E-05	TRUE	0.020244462	TRUE
Chr4	148747366	148747490	Chr4.137990	0	TRUE	1.47E-06	TRUE	0.002744746	TRUE
Chr4	148766470	148767956	Chr4.137996	0	TRUE	7.29E-16	TRUE	1.99E-08	TRUE
Chr4	148779761	148779751	Chr4.138050	0	TRUE	7.12E-07	TRUE	0.00032813	TRUE
Chr4	148798046	148798154	Chr4.138055	0	TRUE	0.005222451	TRUE	3.95E-05	TRUE
Chr4	148799390	148799498	Chr4.138059	0	TRUE	3.87E-06	TRUE	0.003444436	TRUE
Chr4	148940435	148940515	Chr4.138448	0	TRUE	9.58E-05	TRUE	0.002049685	TRUE
Chr4	148964667	148965578	Chr4.138575	0	TRUE	3.29E-05	TRUE	0.019968358	TRUE
Chr5	13125474	13125720	Chr5.7156	0	TRUE	1.47E-14	TRUE	2.12E-06	TRUE
Chr5	16047438	16047549	Chr5.9068	0	TRUE	7.15E-07	TRUE	0.0326874	TRUE
Chr5	16047653	16047836	Chr5.9071	0	TRUE	2.16E-07	TRUE	0.005971744	TRUE
Chr5	30106112	30106289	Chr5.20128	0.00002	TRUE	0.054400425	TRUE	0.003358015	TRUE
Chr5	46668289	46668550	Chr5.35345	0	TRUE	2.68E-11	TRUE	1.78E-12	TRUE
Chr5	46740241	46740357	Chr5.35382	0	TRUE	2.35E-008	TRUE	0.00027275	TRUE
Chr5	47273672	47273797	Chr5.35725	0	TRUE	7.60E-06	TRUE	0.002424676	TRUE
Chr5	48005555	48005794	Chr5.36295	0	TRUE	5.80E-08	TRUE	5.28E-05	TRUE
Chr5	48138811	48139282	Chr5.36444	0	TRUE	1.81E-19	TRUE	2.69E-08	TRUE
Chr5	51552172	51552454	Chr5.39653	0	TRUE	9.71E-11	TRUE	0.011796171	TRUE
Chr5	51552509	51552704	Chr5.39858	0	TRUE	5.47E-09	TRUE	0.001821594	TRUE
Chr5	66961451	66961598	Chr5.52863	0	TRUE	1.04E-05	TRUE	0.002525749	TRUE
Chr5	66968159	66968552	Chr5.52799	0	TRUE	8.59E-20	TRUE	1.86E-15	TRUE
Chr5	66969570	66969692	Chr5.52812	0	TRUE	0.000126566	TRUE	0.011231175	TRUE
Chr5	66993102	66993422	Chr5.52908	0	TRUE	1.88E-16	TRUE	3.16E-05	TRUE
Chr5	74161862	74161985	Chr5.57697	0	TRUE	0.000647022	TRUE	0.000512021	TRUE
Chr5	89883022	89883200	Chr5.70775	0	TRUE	9.47E-08	TRUE	0.02109366	TRUE
Chr5	92063670	92063979	Chr5.72276	0	TRUE	3.34E-05	TRUE	0.01618773	TRUE
Chr5	97935071	97935482	Chr5.76212	0	TRUE	3.47E-10	TRUE	0.006250905	TRUE
Chr5	102481371	102481537	Chr5.80524	0	TRUE	1.20E-08	TRUE	0.01535318	TRUE
Chr5	112215507	112215870	Chr5.90144	0	TRUE	3.06E-10	TRUE	0.00296249	TRUE
Chr5	148999515	148999613	Chr5.10377	0	TRUE	2.40E-09	TRUE	0.00015328	TRUE
Chr5	16188279	16188493	Chr5.12049	0	TRUE	4.82E-08	TRUE	0.018330977	TRUE
Chr6	17749688	17749958	Chr6.14122	0	TRUE	2.13E-11	TRUE	0.000113526	TRUE
Chr6	17938575	17938745	Chr6.14386	0.00001	TRUE	0.049993063	TRUE	0.005373594	TRUE
Chr6	21949252	21949387	Chr6.16757	0	TRUE	3.74E-08	TRUE	0.010368987	TRUE
Chr6	22189732	22189851	Chr6.17138	0	TRUE	9.76E-05	TRUE	0.000182255	TRUE
Chr6	22189887	22190201	Chr6.17141	0	TRUE	1.00E-20	TRUE	6.19E-15	TRUE
Chr6	22201934	22202198	Chr6.17159	0	TRUE	2.46E-07	TRUE	2.33E-14	TRUE
Chr6	22280487	22280877	Chr6.17277	0	TRUE	1.90E-13	TRUE	5.91E-14	TRUE
Chr6	25600079	25600285	Chr6.19981	0	TRUE	6.10E-09	TRUE	0.000288554	TRUE
Chr6	67039271	67039587	Chr6.58456	0	TRUE	2.44E-07	TRUE	0.013675549	TRUE
Chr6	67049548	67049710	Chr6.58499	0	TRUE	1.73E-12	TRUE	1.35E-07	TRUE
Chr6	67126009	67126196	Chr6.58535	0	TRUE	6.01E-06	TRUE	0.012757623	TRUE
Chr6	86109571	86109737	Chr6.70423	0	TRUE	4.12E-07	TRUE	0.000240972	TRUE
Chr6	87109574	87109873	Chr6.71542	0	TRUE	2.33E-05	TRUE	3.95E-06	TRUE
Chr6	87255054	87255223	Chr6.71601	0	TRUE	1.88E-08	TRUE	0.022256508	TRUE
Chr6	87331028	87331320	Chr6.71696	0	TRUE	3.03E-21	TRUE	7.34E-14	TRUE
Chr6	87321433	87321538	Chr6.71698	0	TRUE	3.95E-05	TRUE	0.017653273	TRUE
Chr6	87483480	87483597	Chr6.71935	0	TRUE	7.47E-09	TRUE	3.28E-05	TRUE
Chr6	91349587	91349992	Chr6.75068	0	TRUE	0.000326734	TRUE	0.007346016	TRUE
Chr6	100048032	100048158	Chr6.80765	0	TRUE	1.35E-06	TRUE	2.11E-05	TRUE
Chr6	117427702	117427839	Chr6.102437	0	TRUE	1.50E-07	TRUE	8.33E-05	TRUE
Chr6	120667831	120668060	Chr6.105405	0	TRUE	1.84E-11	TRUE	0.006801189	TRUE
Chr6	126115424	126115533	Chr6.111227	0	TRUE	0.000250644	TRUE	0.029197517	TRUE
Chr7	35042881	35042992	Chr7.20262	0	TRUE	5.24E-06	TRUE	3.35E-05	TRUE
Chr7	36677422	36747578	Chr7.22791	0	TRUE	9.01E-12	TRUE	0.001846066	TRUE
Chr7	36877822	36878093	Chr7.23025	0	TRUE	0.005594423	TRUE	0.00239498	TRUE
Chr7	37111080	37111303	Chr7.23304	0	TRUE	4.63E-09	TRUE	0.000939873	TRUE
Chr7	37562701	37562890	Chr7.24089	0	TRUE	1.47E-05	TRUE	0.005951186	TRUE
Chr7	37916374	37916510	Chr7.24748	0	TRUE	0.000530545	TRUE	0.01647623	

Chr9	56573078	56573279	Chr9.54786	0	TRUE	0.00878241	TRUE	0.00034999	TRUE	
Chr9	56701077	56701200	Chr9.54882	0	TRUE	0.00022093	TRUE	0.024227435	TRUE	
Chr9	57635985	57635993	Chr9.58635	0	TRUE	4.54E-06	TRUE	0.002332046	TRUE	
Chr9	58304052	58304191	Chr9.57659	0	TRUE	0.00575253	TRUE	0.001810197	TRUE	
Chr9	61509873	61510035	Chr9.61268	0	TRUE	5.51E-05	TRUE	0.0321271	TRUE	
Chr9	75072053	75072167	Chr9.76327	0	TRUE	4.34E-05	TRUE	0.025175934	TRUE	
Chr4	123990830	123991137	Chr4.107467	0.00298	FALSE	0.076337354	FALSE	0.723487451	FALSE	hs1139
Chr8	90244013	90244161	Chr8.74136	0.00177	TRUE	1	FALSE	0.519765357	FALSE	hs1300
Chr11	64869732	64869883	Chr11.61734	0.0001	FALSE	1	FALSE	0.102784253	FALSE	hs1497
Chr6	6058532	6058624	Chr6.3381	0.00085	TRUE	1	FALSE	0.265495824	FALSE	hs2313
Chr12	27060853	27061276	Chr12.16192	0.00038	TRUE	1	FALSE	0.895581409	FALSE	nm1809
Chr1	45309144	45309285	Chr1.28544	0.00241	FALSE	1	FALSE	0.403537749	FALSE	
Chr1	51607227	51607282	Chr1.32566	0.00232	TRUE	1	FALSE	0.043105951	FALSE	
Chr1	53063057	53060673	Chr1.33878	0.00014	TRUE	1	FALSE	0.385439992	FALSE	
Chr1	57485211	57485355	Chr1.38756	0.00075	TRUE	0.107941262	FALSE	0.72728883	FALSE	
Chr1	59438091	59438210	Chr1.41612	0.0012	FALSE	1	FALSE	0.951304615	FALSE	
Chr1	59449448	59449667	Chr1.41632	0.00099	TRUE	0.07708222	FALSE	0.968832177	FALSE	
Chr1	62716230	62716422	Chr1.46688	0.00044	TRUE	1	FALSE	0.708793063	FALSE	
Chr1	62765986	62766099	Chr1.47069	0.00063	TRUE	0.094413691	FALSE	0.266722578	FALSE	
Chr1	74651543	74651645	Chr1.62083	0.00144	TRUE	0.59075659	FALSE	0.071021989	FALSE	
Chr1	120195790	120195926	Chr1.93204	0.0034	TRUE	1	FALSE	0.484958913	FALSE	
Chr1	132123621	132123737	Chr1.105103	0.00085	TRUE	0.382497923	FALSE	0.131571889	FALSE	
Chr1	135489204	135489101	Chr1.110863	0.00011	FALSE	0.121956604	FALSE	0.313071002	FALSE	
Chr1	137683788	137683860	Chr1.113922	0.00338	TRUE	1	FALSE	0.970558931	FALSE	
Chr1	155504447	155504778	Chr1.125609	0.00233	TRUE	1	FALSE	0.159873072	FALSE	
Chr1	172095277	17209581	Chr1.143642	0.00089	TRUE	1	FALSE	0.817608376	FALSE	
Chr1	177636851	177637002	Chr1.148663	0.00097	TRUE	1	FALSE	0.587938693	FALSE	
Chr1	178869133	178869394	Chr1.149104	0.00192	TRUE	1	FALSE	0.357301857	FALSE	
Chr1	178619038	178619273	Chr1.149161	0.00025	FALSE	1	FALSE	0.409991137	FALSE	
Chr1	178685326	178685478	Chr1.149240	0.00002	TRUE	1	FALSE	0.144586501	FALSE	
Chr1	178888766	178888992	Chr1.150827	0.00307	TRUE	1	FALSE	0.674450115	FALSE	
Chr1	181433373	181433487	Chr1.152309	0.00099	TRUE	1	FALSE	0.308543975	FALSE	
Chr1	182052842	182052982	Chr1.152638	0.0011	TRUE	1	FALSE	0.831286754	FALSE	
Chr1	184413314	184413567	Chr1.155128	0.00001	TRUE	1	FALSE	0.093690434	FALSE	
Chr1	186679153	186679271	Chr1.158012	0.00017	TRUE	1	FALSE	0.111957574	FALSE	
Chr1	186925557	186925718	Chr1.158339	0.00221	FALSE	0.187861701	FALSE	0.665598761	FALSE	
Chr1	190979206	190979417	Chr1.164780	0.00112	TRUE	0.218393323	FALSE	0.059604452	FALSE	
Chr1	194589886	194590222	Chr1.186838	0	TRUE	0.209626046	FALSE	0.301777484	FALSE	
Chr10	14046112	14046337	Chr10.18743	0.0019	TRUE	0.480659687	FALSE	0.06295636	FALSE	
Chr10	20286595	20286712	Chr10.15396	0.0018	TRUE	1	FALSE	0.813696559	FALSE	
Chr10	24782628	24783017	Chr10.20393	0.00121	TRUE	1	FALSE	0.963755551	FALSE	
Chr10	34096526	34096847	Chr10.28037	0.0014	TRUE	0.076241597	FALSE	0.520021298	FALSE	
Chr10	45122686	45122699	Chr10.385338	0.00001	TRUE	0.000015007	FALSE	0.044033092	FALSE	
Chr10	45470853	45470968	Chr10.38854	0.00247	FALSE	0.189778551	FALSE	0.546373784	FALSE	
Chr10	45821488	45821727	Chr10.39044	0.00043	TRUE	1	FALSE	0.429494633	FALSE	
Chr10	53429849	53430055	Chr10.43719	0.0013	FALSE	1	FALSE	0.860530845	FALSE	
Chr10	62024141	62024247	Chr10.50778	0.0001	FALSE	0.135886748	FALSE	0.100746127	FALSE	
Chr10	68148287	68148412	Chr10.56916	0.00001	TRUE	1	FALSE	0.06244199	FALSE	
Chr10	69205205	69205268	Chr10.58745	0.00016	TRUE	0.280622154	FALSE	0.67820006	FALSE	
Chr10	89533538	89533714	Chr10.58897	0.00079	FALSE	0.259373473	FALSE	0.232020055	FALSE	
Chr10	83060473	83060600	Chr10.72763	0.00131	TRUE	1	FALSE	0.387566887	FALSE	
Chr10	87016362	87016475	Chr10.76643	0.00012	TRUE	1	FALSE	0.095270354	FALSE	
Chr10	91187988	91188143	Chr10.81219	0.0001	TRUE	1	FALSE	0.047056457	FALSE	
Chr10	92162746	92163300	Chr10.82753	0.00009	TRUE	0.314611105	FALSE	0.940313534	FALSE	
Chr10	95117530	95117639	Chr10.86389	0.00279	TRUE	1	FALSE	0.266295637	FALSE	
Chr10	111526919	111537021	Chr10.99585	0.0014	TRUE	1	FALSE	0.489344393	FALSE	
Chr10	115980602	115980801	Chr10.103474	0.00279	TRUE	1	FALSE	0.652348229	FALSE	
Chr10	116435326	116435442	Chr10.104116	0	TRUE	0.16889519	FALSE	0.039388231	FALSE	
Chr10	120133979	120134128	Chr10.107331	0.00023	TRUE	0.287867052	FALSE	0.900317626	FALSE	
Chr10	121521148	121521249	Chr10.109243	0.00001	TRUE	0.253021813	FALSE	0.08224793	FALSE	
Chr10	122866690	122867064	Chr10.110098	0.00053	TRUE	1	FALSE	0.922354257	FALSE	
Chr10	127730841	12773203	Chr10.116106	0.00023	TRUE	1	FALSE	0.23289497	FALSE	
Chr11	5425290	5425432	Chr11.13822	0.0001	TRUE	1	FALSE	0.05370164	FALSE	
Chr11	20742711	20742821	Chr11.13079	0.00016	TRUE	0.149604423	FALSE	0.74887961	FALSE	
Chr11	21395804	21395970	Chr11.13706	0	TRUE	0.080213872	FALSE	0.103560792	FALSE	
Chr11	24110244	24110440	Chr11.16233	0.00214	FALSE	0.174692282	FALSE	0.64054589	FALSE	
Chr11	24264591	24264727	Chr11.16657	0.0022	TRUE	1	FALSE	0.354567344	FALSE	
Chr11	35454183	35454361	Chr11.28228	0.00011	TRUE	1	FALSE	0.03385214	FALSE	
Chr11	44025902	44026145	Chr11.39822	0.00098	TRUE	1	FALSE	0.55628043	FALSE	
Chr11	58331276	58331419	Chr11.53663	0.00196	TRUE	0.172782541	FALSE	0.046180411	FALSE	
Chr11	59333396	59333544	Chr11.55633	0.00031	TRUE	1	FALSE	0.357443923	FALSE	
Chr11	63455000	63455253	Chr11.60498	0.00002	TRUE	1	FALSE	0.58003723	FALSE	
Chr11	67650986	67660161	Chr11.65176	0.00012	TRUE	1	FALSE	0.344922135	FALSE	
Chr11	68693659	68693923	Chr11.66542	0.00284	TRUE	1	FALSE	0.815311222	FALSE	
Chr11	68754209	68754513	Chr11.66582	0.00121	TRUE	1	FALSE	0.477965203	FALSE	
Chr11	69549300	69549587	Chr11.68960	0	TRUE	0.09207336	FALSE	0.073360187	FALSE	
Chr11	69919603	69919923	Chr11.70420	0.00341	TRUE	1	FALSE	0.401703309	FALSE	
Chr11	70580354	70580465	Chr11.71874	0.00213	TRUE	1	FALSE	0.155430446	FALSE	
Chr11	71517545	71517707	Chr11.72886	0.00062	TRUE	1	FALSE	0.141955805	FALSE	
Chr11	72397235	72397386	Chr11.73802	0.00003	TRUE	0.148105049	FALSE	0.05550765	FALSE	
Chr11	72478347	72478524	Chr11.74191	0.00104	TRUE	0.187976338	FALSE	0.115612409	FALSE	
Chr11	76309199	76309316	Chr11.80733	0.00128	TRUE	0.081193661	FALSE	0.16616545	FALSE	
Chr11	78616059	78616209	Chr11.86672	0.00051	TRUE	1	FALSE	0.380558161	FALSE	
Chr11	84587068	84587349	Chr11.92373	0.00198	TRUE	1	FALSE	0.287119516	FALSE	
Chr11	85474235	85474587	Chr11.93398	0.00238	TRUE	1	FALSE	0.313677493	FALSE	
Chr11	88497883	88497991	Chr11.98486	0.0001	TRUE	1	FALSE	0.105212228	FALSE	
Chr11	90026020	90026161	Chr11.100690	0.00096	TRUE	1	FALSE	0.103954967	FALSE	
Chr11	110849861	110849996	Chr11.134154	0.00082	TRUE	1	FALSE	0.58413972	FALSE	
Chr11	111628447	111628611	Chr11.135696	0.00081	TRUE	1	FALSE	0.07768907	FALSE	
Chr11	120710900	120711017	Chr11.151299	0.00002	TRUE	0.145466349	FALSE	0.048600875	FALSE	
Chr12	17390190	17390384	Chr12.13000	0.0001	TRUE	1	FALSE	0.249512266	FALSE	
Chr12	27410818	27410772	Chr12.16458	0.00099	TRUE	1	FALSE	0.71404856	FALSE	
Chr12	36433447	36430701	Chr12.23484	0.0004	TRUE	1	FALSE	0.53148593	FALSE	
Chr12	56823332	56823528	Chr12.24306	0.00102	TRUE	1	FALSE	0.06880896	FALSE	
Chr12	73909278	73909426	Chr12.55730	0.00004	TRUE	1	FALSE	0.15247817	FALSE	
Chr12	82190186	82190335	Chr12.65525	0.0002	TRUE	1	FALSE	0.604323975	FALSE	
Chr12	84847514	84847642	Chr12.69201	0.00055	TRUE	1	FALSE	0.08154873	FALSE	
Chr12	99529970	99530153	Chr12.84435	0.00164	TRUE	0.116069037	FALSE	0.957928608	FALSE	
Chr12	101807517	101807642	Chr12.86360	0.0005	TRUE	0.722861635	FALSE	0.114202524	FALSE	
Chr12	101817365	101817645	Chr12.86381	0.00012	TRUE	1	FALSE	0.50496498	FALSE	
Chr12	117231966	117232067	Chr12.99435	0.00016	TRUE	1	FALSE	0.051927847	FALSE	
Chr13	3799504	37995953	Chr13.1285	0.00044	TRUE	1	FALSE	0.084457143	FALSE	
Chr13	6865445	6865697	Chr13.22116	0.0001	TRUE	0.726138203	FALSE	0.440747244	FALSE	
Chr13	28739892	28740137	Chr13.17267	0.00043	TRUE	1	FALSE	0.814688287	FALSE	
Chr13	29195415	29195538	Chr13.17811	0.0008	TRUE	1	FALSE	0.710588224	FALSE	
Chr13	32611803	32611785	Chr13.21112	0.0001	TRUE	0.078398983	FALSE	0.142720847	FALSE	
Chr13	32650058	32650455	Chr13.21162	0.00196	TRUE	0.310882904	FALSE	0.279484375	FALSE	
Chr13	40605637	40605919	Chr13.27626	0.00001	TRUE	1	FALSE	0.166048904	FALSE	
Chr13	44369927	44369973	Chr13.31581	0.00099	FALSE	0.253895678	FALSE	0.151064795	FALSE	
Chr13	44755277	44755509	Chr13.32050	0.00003	TRUE	1	FALSE	0.0724663	FALSE	
Chr13	45961784	45962								

Chr17	5058509	5058632	Chr17.2299	0.00091	TRUE	0.656221318	FALSE	0.102605784	FALSE	
Chr17	10398888	10399025	Chr17.5862	0.00178	TRUE	0.00178	1	FALSE	0.840737536	FALSE
Chr17	2869102	28690281	Chr17.22708	0.0001	TRUE	0.0001	1	FALSE	0.03603183	FALSE
Chr17	29746759	29747050	Chr17.24018	0.00015	TRUE	0.165955332	FALSE	0.184614644	FALSE	
Chr17	29883441	29883658	Chr17.24205	0.00081	TRUE	0.00081	1	FALSE	0.126120889	FALSE
Chr17	370533117	37053426	Chr17.35455	0.00004	TRUE	0.00004	1	FALSE	0.170897903	FALSE
Chr17	44718167	44718337	Chr17.39136	0.00003	TRUE	0.00003	1	FALSE	0.138043475	FALSE
Chr17	47204514	47204672	Chr17.43667	0.00018	TRUE	0.00018	1	FALSE	0.040791173	FALSE
Chr17	62864873	62865081	Chr17.57261	0.00028	TRUE	0.00028	1	FALSE	0.732713066	FALSE
Chr17	62844556	62844716	Chr17.57754	0.00163	TRUE	0.103504451	FALSE	0.730271382	FALSE	
Chr17	62862983	62863085	Chr17.57805	0.00103	TRUE	0.13410729	FALSE	0.282350428	FALSE	
Chr17	62968139	62968308	Chr17.58029	0.00263	TRUE	0.00263	1	FALSE	0.632683678	FALSE
Chr17	75235888	75235740	Chr17.60769	0.0023	TRUE	0.0023	1	FALSE	0.262370468	FALSE
Chr17	85433122	85433248	Chr17.79388	0.00093	TRUE	0.00093	1	FALSE	0.228549226	FALSE
Chr17	85991395	85991541	Chr17.80258	0.00103	TRUE	0.00103	1	FALSE	0.365497507	FALSE
Chr17	85995974	85995991	Chr17.80278	0.00001	TRUE	0.00001	1	FALSE	0.589159757	FALSE
Chr18	6516831	6516982	Chr18.2519	0.00081	TRUE	0.216795954	FALSE	0.652113156	FALSE	
Chr18	7513759	7514059	Chr18.3167	0.00049	TRUE	0.00049	1	FALSE	0.409265185	FALSE
Chr18	1309414	13094279	Chr18.7948	0.00072	TRUE	0.00072	1	FALSE	0.407382411	FALSE
Chr18	15281118	15281218	Chr18.10066	0.00242	TRUE	0.00242	1	FALSE	0.322910406	FALSE
Chr18	33437228	33437329	Chr18.26474	0.00134	TRUE	0.115237634	FALSE	0.123199895	FALSE	
Chr18	37845082	37845232	Chr18.38379	0.00096	TRUE	0.00096	1	FALSE	0.042083506	FALSE
Chr18	43421629	43422026	Chr18.45086	0.00167	TRUE	0.080011816	1	FALSE	0.624753023	FALSE
Chr18	44574761	44574987	Chr18.45957	0.00144	TRUE	0.00144	1	FALSE	0.09975471	FALSE
Chr18	46675818	46675926	Chr18.47051	0.00197	TRUE	0.00197	1	FALSE	0.08005748	FALSE
Chr18	47586560	47586796	Chr18.48330	0.00162	TRUE	0.00162	1	FALSE	0.589292504	FALSE
Chr18	52923497	52923605	Chr18.51852	0.00045	TRUE	0.00045	1	FALSE	0.199721832	FALSE
Chr18	53361250	53361437	Chr18.52244	0.00276	TRUE	0.00276	1	FALSE	0.926338201	FALSE
Chr18	54022522	54022531	Chr18.53126	0.00001	TRUE	0.00001	1	FALSE	0.10539985	FALSE
Chr18	54093364	54093757	Chr18.53131	0.00056	TRUE	0.00056	1	FALSE	0.792904624	FALSE
Chr18	54215668	54215996	Chr18.53307	0.00163	TRUE	0.00163	1	FALSE	0.670350262	FALSE
Chr18	54378402	54378525	Chr18.53460	0.00322	TRUE	0.00322	1	FALSE	0.404471653	FALSE
Chr18	54685537	54685114	Chr18.53876	0.00001	TRUE	0.00001	1	FALSE	0.404370324	FALSE
Chr18	54691617	54692013	Chr18.53880	0	TRUE	0.272288531	1	FALSE	0.534158594	FALSE
Chr18	54846829	54847336	Chr18.54162	0.00223	TRUE	0.00223	1	FALSE	0.186717087	FALSE
Chr18	58007788	58007925	Chr18.58065	0.00072	TRUE	0.00072	1	FALSE	0.280408891	FALSE
Chr18	60919102	60919158	Chr18.60395	0.00122	TRUE	0.00122	1	FALSE	0.437413719	FALSE
Chr18	65581780	65581934	Chr18.65764	0.00005	TRUE	0.00005	1	FALSE	0.059110901	FALSE
Chr18	67690818	67691013	Chr18.67529	0.00001	TRUE	0.00001	1	FALSE	0.33741442	FALSE
Chr18	73971250	73971523	Chr18.73639	0.00033	TRUE	0.080863063	1	FALSE	0.457357619	FALSE
Chr18	74907369	74907523	Chr18.74347	0.00035	TRUE	0.41780017	FALSE	0.147224628	FALSE	
Chr18	75208003	75208176	Chr18.74615	0.00003	TRUE	0.00003	1	FALSE	0.636862762	FALSE
Chr18	76406831	76407023	Chr18.75807	0.00044	TRUE	0.00044	1	FALSE	0.091626338	FALSE
Chr18	80769383	80769491	Chr18.80228	0.00003	TRUE	0.00003	1	FALSE	0.091728364	FALSE
Chr18	82947488	82947730	Chr18.81862	0.00059	TRUE	0.00059	1	FALSE	0.393053156	FALSE
Chr18	83193052	83193381	Chr18.82148	0.00001	TRUE	0.00001	1	FALSE	0.376183598	FALSE
Chr18	17593312	17593491	Chr19.20447	0.00186	TRUE	0.00186	1	FALSE	0.155670399	FALSE
Chr19	28302907	28303110	Chr19.30565	0.00002	TRUE	0.00002	1	FALSE	0.054822099	FALSE
Chr19	28351137	28351237	Chr19.30675	0.00146	TRUE	0.00146	1	FALSE	0.146119998	FALSE
Chr19	30545370	30545572	Chr19.32738	0.00008	TRUE	0.18168505	FALSE	0.295138566	FALSE	
Chr19	32903568	32904017	Chr19.34577	0.00076	TRUE	0.200213539	FALSE	0.827280127	FALSE	
Chr19	40405758	40406063	Chr19.41019	0.00174	TRUE	0.00174	1	FALSE	0.957029507	FALSE
Chr19	42253617	42253663	Chr19.44320	0.00001	TRUE	0.00001	1	FALSE	0.846494116	FALSE
Chr19	48430306	48430731	Chr19.54058	0.00308	TRUE	0.00308	1	FALSE	0.338023089	FALSE
Chr19	55642518	55642634	Chr19.60999	0.00188	TRUE	0.00188	1	FALSE	0.281882561	FALSE
Chr19	56131312	56131474	Chr19.62023	0.00026	TRUE	0.00026	1	FALSE	0.154012967	FALSE
Chr19	57988617	57988748	Chr19.64880	0.00005	TRUE	0.00005	1	FALSE	0.099822223	FALSE
Chr19	58413757	58414002	Chr19.65771	0.0014	TRUE	0.0014	1	FALSE	0.862778447	FALSE
Chr19	60159039	60159538	Chr19.68466	0.0011	TRUE	0.105688907	1	FALSE	0.228976994	FALSE
Chr2	27699020	27699183	Chr2.24071	0.0003	TRUE	0.0003	1	FALSE	0.288209938	FALSE
Chr2	29505266	29505364	Chr2.26748	0.00013	TRUE	0.00013	1	FALSE	0.190089927	FALSE
Chr2	33822802	33822940	Chr2.34976	0.00011	TRUE	0.00011	1	FALSE	0.72946368	FALSE
Chr2	35589449	35589622	Chr2.37385	0.00015	TRUE	0.00015	1	FALSE	0.132969891	FALSE
Chr2	36011350	36011761	Chr2.38012	0.00213	TRUE	0.00213	1	FALSE	0.163337242	FALSE
Chr2	37527628	37527658	Chr2.39481	0.00089	TRUE	0.00089	1	FALSE	0.97892733	FALSE
Chr2	37769219	37769376	Chr2.39765	0.00021	TRUE	0.00021	1	FALSE	0.085568477	FALSE
Chr2	37830182	37830287	Chr2.40057	0.00073	TRUE	0.075952	FALSE	0.034308576	FALSE	
Chr2	44558398	44558591	Chr2.46521	0.00003	TRUE	0.160536123	FALSE	0.305207432	FALSE	
Chr2	48730862	48731054	Chr2.52076	0.00011	TRUE	0.00011	1	FALSE	0.07560217	FALSE
Chr2	49652677	49652793	Chr2.53362	0.00007	TRUE	0.00007	1	FALSE	0.043773582	FALSE
Chr2	50520208	50520355	Chr2.53998	0.00048	TRUE	0.00048	1	FALSE	0.22738471	FALSE
Chr2	50811325	50811468	Chr2.54255	0.00008	TRUE	0.675389443	FALSE	0.323553766	FALSE	
Chr2	57113846	57113960	Chr2.59800	0.00014	TRUE	0.139997293	FALSE	0.508346298	FALSE	
Chr2	64822785	64823213	Chr2.69120	0.0014	TRUE	0.0014	1	FALSE	0.80775276	FALSE
Chr2	65931850	65932224	Chr2.70546	0.00089	TRUE	0.00089	1	FALSE	0.829182033	FALSE
Chr2	69549718	69549964	Chr2.74617	0.00014	TRUE	0.00014	1	FALSE	0.467330374	FALSE
Chr2	74974653	74975319	Chr2.82938	0.00016	TRUE	0.00016	1	FALSE	0.210791428	FALSE
Chr2	75683550	75683721	Chr2.84463	0.00235	TRUE	0.00235	1	FALSE	0.705939768	FALSE
Chr2	91677584	91677834	Chr2.102162	0.0001	TRUE	0.0001	1	FALSE	0.038261576	FALSE
Chr2	92255635	92255842	Chr2.103805	0.00324	TRUE	0.00324	1	FALSE	0.981875255	FALSE
Chr2	101599720	101599904	Chr2.110281	0.00065	TRUE	0.00065	1	FALSE	0.552388548	FALSE
Chr2	10646220	106462958	Chr2.116714	0.00003	TRUE	0.00003	1	FALSE	0.146602326	FALSE
Chr2	113573271	113573440	Chr2.122738	0.00002	TRUE	0.00002	1	FALSE	0.6214698	FALSE
Chr2	115326983	115327207	Chr2.125330	0.00028	TRUE	0.230058571	FALSE	0.709969567	FALSE	
Chr2	116020632	116020884	Chr2.126995	0.00157	TRUE	0.00157	1	FALSE	0.907230219	FALSE
Chr2	144683965	144684984	Chr2.162681	0.00236	TRUE	0.00236	1	FALSE	0.404007149	FALSE
Chr2	166483015	166483109	Chr2.186475	0.00008	TRUE	0.00008	1	FALSE	0.392496179	FALSE
Chr3	27964967	27965075	Chr3.13638	0.00309	TRUE	0.00309	1	FALSE	0.624384314	FALSE
Chr3	30470862	30470975	Chr3.19167	0.00001	TRUE	0.153538191	FALSE	0.313976493	FALSE	
Chr3	41258301	41258473	Chr3.28806	0.00245	TRUE	0.00245	1	FALSE	0.135736353	FALSE
Chr3	53705887	53706044	Chr3.37599	0.00184	TRUE	0.00184	1	FALSE	0.227344664	FALSE
Chr3	88177254	88177364	Chr3.33552	0.00077	TRUE	0.386513462	FALSE	0.15016126	FALSE	
Chr3	88636577	88636745	Chr3.64734	0.00261	TRUE	0.00261	1	FALSE	0.370664538	FALSE
Chr3	88950738	88950865	Chr3.65348	0.00325	TRUE	0.00325	1	FALSE	0.216293864	FALSE
Chr3	89508179	89508387	Chr3.67061	0.00002	TRUE	0.773741591	FALSE	0.337780979	FALSE	
Chr3	89633823	89633938	Chr3.67270	0.00031	TRUE	0.00031	1	FALSE	0.130338542	FALSE
Chr3	93568825	93568942	Chr3.69557	0.00086	TRUE	0.00086	1	FALSE	0.1990804	FALSE
Chr3	95882219	95882488	Chr3.72993	0.00286	TRUE	0.00286	1	FALSE	0.167891632	FALSE
Chr3	105469729	105469894	Chr3.84701	0.00022	TRUE	0.226203151	FALSE	0.10183955	FALSE	
Chr3	105495160	105495339	Chr3.84705	0.00048	TRUE	0.00048	1	FALSE	0.285495893	FALSE
Chr3	105696904	105697038	Chr3.85007	0.00012	TRUE	0.00012	1	FALSE	0.040050237	FALSE
Chr3	105816117	105816259	Chr3.85191	0.00019	TRUE	0.00019	1	FALSE	0.223225762	FALSE
Chr3	108356028	108360747	Chr3.88373	0.0001	TRUE	0.0001	1	FALSE	0.190126245	FALSE
Chr3	115713064	115713173	Chr3.94198	0.00088	TRUE	0.183562279	FALSE	0.137681171	FALSE	
Chr3	12148116	121488220	Chr3.100248	0.00025	TRUE	0.00025	1	FALSE	0.320488004	FALSE
Chr3	123092940	123092949	Chr3.102048	0.00012	TRUE	0.00012	1	FALSE	0.223468441	FALSE
Chr3	134014709	134014890	Chr3.111945	0.00063	TRUE	0.00063	1			

Chr7	96899068	96899223	Chr7.68715	0.0015	TRUE	1	FALSE	0.281782564	FALSE	
Chr7	98522753	98522908	Chr7.70467	0.0028	TRUE	1	FALSE	0.059684606	FALSE	
Chr7	98727853	98728135	Chr7.70862	0.0081	TRUE	1	FALSE	0.15106073	FALSE	
Chr7	99073255	99073384	Chr7.71281	0.0028	TRUE	1	FALSE	0.267908328	FALSE	
Chr7	112641485	112641696	Chr7.88901	0.00167	TRUE	1	FALSE	0.462903445	FALSE	
Chr7	114117952	114118119	Chr7.91470	0.0039	TRUE	1	FALSE	0.795718358	FALSE	
Chr7	114904381	114904621	Chr7.92126	0.00082	TRUE	1	FALSE	0.165862994	FALSE	
Chr7	115341704	115341991	Chr7.92614	0.00159	TRUE	1	FALSE	0.697522247	FALSE	
Chr7	115480586	115480159	Chr7.92890	0.00215	TRUE	1	FALSE	0.082747278	FALSE	
Chr7	136059923	136060342	Chr7.118061	0.00262	TRUE	1	FALSE	0.737420784	FALSE	
Chr8	136081524	136081863	Chr7.118109	0.00015	TRUE	1	FALSE	0.518522814	FALSE	
Chr8	8655210	8655507	Chr8.5007	0.00119	TRUE	1	FALSE	0.541745159	FALSE	
Chr8	10010633	10010731	Chr8.6762	0.00034	TRUE	1	FALSE	0.155884959	FALSE	
Chr8	12050980	12051181	Chr8.8326	0.00247	TRUE	1	FALSE	0.484076575	FALSE	
Chr8	18741517	18741684	Chr8.12557	0.00213	TRUE	1	FALSE	0.292477774	FALSE	
Chr8	46251710	46251942	Chr8.34346	0.00118	TRUE	0.434319395	FALSE	0.821677059	FALSE	
Chr8	48138909	48139120	Chr8.36121	0.00232	TRUE	1	FALSE	0.144790359	FALSE	
Chr8	48153811	48154048	Chr8.36172	0.0009	TRUE	0.456707397	FALSE	0.345035459	FALSE	
Chr8	61555561	61555803	Chr8.47099	0.00119	TRUE	1	FALSE	0.877735872	FALSE	
Chr8	79534305	79534625	Chr8.61770	0.00102	TRUE	1	FALSE	0.77265393	FALSE	
Chr8	91818857	91818983	Chr8.76686	0.00017	TRUE	1	FALSE	0.044041882	FALSE	
Chr8	107672427	107672609	Chr8.96368	0.00002	TRUE	1	FALSE	0.038457956	FALSE	
Chr8	108537188	108537360	Chr8.98141	0.00124	TRUE	0.168339711	FALSE	0.291056699	FALSE	
Chr8	114890041	114890212	Chr8.107349	0.00027	TRUE	1	FALSE	0.150065479	FALSE	
Chr8	128025663	128025806	Chr8.123516	0.00013	TRUE	0.10213982	FALSE	0.092095038	FALSE	
Chr9	7604164	7604384	Chr9.2163	0.00048	TRUE	0.817742655	FALSE	0.421199791	FALSE	
Chr9	7950782	7950892	Chr9.2468	0.00058	TRUE	1	FALSE	0.09255654	FALSE	
Chr9	7956441	7956571	Chr9.2477	0.00115	TRUE	1	FALSE	0.0426265	FALSE	
Chr9	7956908	7961242	Chr9.2482	0.00013	TRUE	1	FALSE	0.436547755	FALSE	
Chr9	13576393	13576566	Chr9.5184	0.00087	TRUE	1	FALSE	0.256185774	FALSE	
Chr9	14199927	14200260	Chr9.5893	0.00068	TRUE	1	FALSE	0.746098957	FALSE	
Chr9	21315552	21315654	Chr9.11867	0.00076	TRUE	1	FALSE	0.060904919	FALSE	
Chr9	30294947	30285070	Chr9.21263	0.00011	TRUE	1	FALSE	0.106960266	FALSE	
Chr9	34558563	34558713	Chr9.26183	0.00128	TRUE	1	FALSE	0.105855911	FALSE	
Chr9	34871600	34871846	Chr9.26855	0.00009	TRUE	1	FALSE	0.052632667	FALSE	
Chr9	35283809	35283753	Chr9.27481	0.00030	TRUE	1	FALSE	0.286503967	FALSE	
Chr9	41857979	41858127	Chr9.34052	0.00322	TRUE	1	FALSE	0.159784527	FALSE	
Chr9	45465399	45465553	Chr9.40245	0.00031	TRUE	1	FALSE	0.132133906	FALSE	
Chr9	54745051	54745037	Chr9.53155	0.0003	TRUE	1	FALSE	0.041209992	FALSE	
Chr9	59189351	59189570	Chr9.58642	0.00042	TRUE	0.571292431	FALSE	0.323071917	FALSE	
Chr9	63719082	63719248	Chr9.63995	0.00111	TRUE	1	FALSE	0.494062932	FALSE	
Chr9	64232794	64232894	Chr9.64613	0.00239	TRUE	1	FALSE	0.307687233	FALSE	
Chr9	78114223	78114442	Chr9.80619	0.00022	TRUE	1	FALSE	0.954547503	FALSE	
Chr9	91003942	91004095	Chr9.90298	0.00003	TRUE	1	FALSE	0.16361314	FALSE	
Chr9	102194241	102194383	Chr9.99996	0.00032	TRUE	1	FALSE	0.30701672	FALSE	
Chr9	122118393	122118587	Chr9.125549	0.00052	TRUE	1	FALSE	0.823619059	FALSE	
Chr12	28617713	28817830	Chr12.17167	0.00004	TRUE	9.02E-05	FALSE	0.31910872	FALSE	hs1385
Chr2	50971187	50971668	Chr2.54444	0	TRUE	6.87E-09	TRUE	0.107437526	FALSE	hs1386
Chr2	30106419	30106581	Chr3.16206	0	TRUE	0.07621473	TRUE	0.07621473	FALSE	hs1433
Chr16	28983769	28984042	Chr16.26564	0	TRUE	3.14E-07	TRUE	0.064940378	FALSE	hs1453
Chr18	14459041	14459314	Chr18.9780	0.00338	TRUE	0.018257889	TRUE	0.971377002	FALSE	hs1566
Chr8	10802673	108028133	Chr8.97038	0	TRUE	6.35E-05	TRUE	0.204657808	FALSE	hs1612
Chr6	23273119	23273324	Chr6.18063	0	TRUE	3.23E-14	TRUE	0.168270596	FALSE	nm1463
Chr7	36945568	36945666	Chr7.23129	0.0033	TRUE	0.00480378	TRUE	0.099592885	FALSE	hs385
Chr13	79345906	79345405	Chr13.59483	0.00055	TRUE	0.00048984	TRUE	0.524028731	FALSE	hs971
Chr5	21733221	21733238	Chr5.19199	0.00005	TRUE	0.000030405	TRUE	0.044554428	FALSE	nm1471
Chr16	35687507	35687676	Chr16.31537	0.00021	TRUE	4.35E-05	TRUE	0.390905123	FALSE	nm1677
Chr1	172016995	172016734	Chr1.143473	0.00189	TRUE	0.002430445	TRUE	0.089505411	FALSE	nm18
Chr18	7595026	75950306	Chr18.75035	0.00189	TRUE	0.001898771	TRUE	0.572523493	FALSE	nm18
Chr13	28718357	28718484	Chr13.17219	0.0003	TRUE	6.87E-05	TRUE	0.467319309	FALSE	nm257
Chr16	15084997	15085149	Chr16.11633	0.00088	TRUE	0.001502655	TRUE	0.170092183	FALSE	nm466
Chr1	59340610	59340787	Chr1.41464	0	TRUE	2.76E-09	TRUE	0.159297212	FALSE	nm469
Chr7	12974475	129744904	Chr7.110285	0.00022	TRUE	0.007952012	TRUE	0.386553959	FALSE	nm607
Chr7	129744737	129745001	Chr7.110269	0.00102	TRUE	0.001395998	TRUE	0.656186667	FALSE	nm607
Chr15	61158061	61158281	Chr15.42699	0.00073	TRUE	0.000039347	TRUE	0.597436733	FALSE	nm641
Chr8	89271724	89271976	Chr8.72852	0.00009	TRUE	0.00980142	TRUE	0.687455999	FALSE	nm644
Chr1	11413881	11414109	Chr1.3425	0	TRUE	0.000209667	TRUE	0.048757487	FALSE	
Chr1	14309790	14310133	Chr1.5912	0.00001	TRUE	6.24E-10	TRUE	0.097095468	FALSE	
Chr1	15297543	15297628	Chr1.6787	0	TRUE	1.64E-10	TRUE	0.24465108	FALSE	
Chr1	16248957	16249292	Chr1.7786	0.00002	TRUE	4.38E-07	TRUE	0.994895041	FALSE	
Chr1	24587338	24587560	Chr1.14717	0.00067	TRUE	2.02E-06	TRUE	0.236297316	FALSE	
Chr1	45311453	45311884	Chr1.28553	0	TRUE	2.25E-08	TRUE	0.515769875	FALSE	
Chr1	45483112	45483314	Chr1.28970	0	TRUE	5.48E-05	TRUE	0.387200381	FALSE	
Chr1	51265108	51265725	Chr1.31986	0	TRUE	1.34E-09	TRUE	0.903798119	FALSE	
Chr1	51267168	51267533	Chr1.31996	0	TRUE	9.17E-11	TRUE	0.048077223	FALSE	
Chr1	51290564	51291123	Chr1.32051	0.0021	TRUE	8.21E-06	TRUE	0.381188474	FALSE	
Chr1	51333399	51333399	Chr1.32186	0.00064	TRUE	0.014181624	TRUE	0.645496117	FALSE	
Chr1	55405745	55405913	Chr1.36067	0.00289	TRUE	1.94E-05	TRUE	0.402336405	FALSE	
Chr1	57063221	57063395	Chr1.38233	0.00203	TRUE	0.00161573	TRUE	0.964330455	FALSE	
Chr1	57096033	57096447	Chr1.38255	0.00011	TRUE	3.30E-06	TRUE	0.459406989	FALSE	
Chr1	59449754	59449874	Chr1.41634	0.0007	TRUE	0.001025483	TRUE	0.445174155	FALSE	
Chr1	62631991	62632176	Chr1.46429	0.00006	TRUE	0.048536368	TRUE	0.506060889	FALSE	
Chr1	62794072	62795140	Chr1.47104	0.0001	TRUE	8.45E-05	TRUE	0.573735932	FALSE	
Chr1	72406068	72406098	Chr1.58357	0.00038	TRUE	0.000575883	TRUE	0.425465723	FALSE	
Chr1	72736827	72736952	Chr1.58781	0.00007	TRUE	0.000110305	TRUE	0.229999511	FALSE	
Chr1	77254904	77254728	Chr1.67023	0	TRUE	6.95E-06	TRUE	0.080262365	FALSE	
Chr1	77470897	77471011	Chr1.67572	0.00216	TRUE	0.002047584	TRUE	0.880202768	FALSE	
Chr1	77471123	77471287	Chr1.67575	0.00001	TRUE	1.60E-05	TRUE	0.29990759	FALSE	
Chr1	77962081	77962341	Chr1.68347	0.00001	TRUE	0.000376956	TRUE	0.703929028	FALSE	
Chr1	78113375	78113486	Chr1.68564	0.00001	TRUE	0.002012294	TRUE	0.04441993	FALSE	
Chr1	78734627	78734751	Chr1.69221	0.00007	TRUE	0.050384843	TRUE	0.152206857	FALSE	
Chr1	79859778	79857814	Chr1.69942	0	TRUE	7.03E-07	TRUE	0.060341177	FALSE	
Chr1	81744547	81744984	Chr1.71548	0	TRUE	1.12E-05	TRUE	0.287191071	FALSE	
Chr1	85794677	85794779	Chr1.74850	0.00005	TRUE	7.33E-05	TRUE	0.322987709	FALSE	
Chr1	91659900	91660000	Chr1.81621	0.00004	TRUE	0.000195434	TRUE	0.210827784	FALSE	
Chr1	91845025	91845216	Chr1.81745	0.0001	TRUE	0.000896369	TRUE	0.904343761	FALSE	
Chr1	104768299	104768587	Chr1.86575	0.0005	TRUE	0.000914079	TRUE	0.506020331	FALSE	
Chr1	106713931	106714118	Chr1.88676	0.00123	TRUE	0.000387212	TRUE	0.27678663	FALSE	
Chr1	11602868	11602901	Chr1.91870	0.00014	TRUE	0.000167673	TRUE	0.58972741	FALSE	
Chr1	131010535	131010829	Chr1.103009	0.00008	TRUE	0.003969214	TRUE	0.346860937	FALSE	
Chr1	131527596	131527724	Chr1.104124	0.00064	TRUE	3.26E-05	TRUE	0.373932373	FALSE	
Chr1	132881525	132881703	Chr1.106459	0.00234	TRUE	0.006729321	TRUE	0.311223739	FALSE	
Chr1	133660439	133660604	Chr1.107744	0.0014	TRUE	7.24E-06	TRUE	0.850766572	FALSE	
Chr1	134273735	134273911	Chr1.108775	0	TRUE	1.48E-06	TRUE	0.142669039	FALSE	
Chr1	134336668	134336789	Chr1.108964	0.00003	TRUE	0.00393575	TRUE	0.120393128	FALSE	
Chr1	135051330	135051573	Chr1.109985	0.00001	TRUE	1.17E-05	TRUE	0.049540278	FALSE	
Chr1	135125857	135125977	Chr1.110159	0.00068	TRUE	0.001722657	TRUE	0.038526133	FALSE	
Chr1	135604796	135604896	Chr1.111072	0.00204	TRUE	0.052302167	TRUE	0.179502879	FALSE	
Chr1	136796465	136796653	Chr1.113063	0	TRUE	2.14E-06	TRUE	0.08662924	FALSE	
Chr1	137899099	137899294	Chr1.114058	0.001						

Chr10	49783132	49783721	Chr10.40852	0.00031	TRUE	6.33E-05	TRUE	0.730677617	FALSE
Chr10	51153372	51154045	Chr10.41885	0	TRUE	6.00E-11	TRUE	0.08432242	FALSE
Chr10	52417477	52417615	Chr10.43020	0.00055	TRUE	0.00205302	TRUE	0.12711481	FALSE
Chr10	53597880	53598057	Chr10.43821	0.00001	TRUE	0.00058017	TRUE	0.06827495	FALSE
Chr10	58641792	58641892	Chr10.46866	0.00001	TRUE	0.000152871	TRUE	0.15028415	FALSE
Chr10	70095076	70095175	Chr10.59852	0.00005	TRUE	1.44E-05	TRUE	0.12643024	FALSE
Chr10	87855003	87855156	Chr10.77511	0.00001	TRUE	0.00138015	TRUE	0.21921327	FALSE
Chr10	88321119	88321484	Chr10.78208	0	TRUE	2.40E-09	TRUE	0.070817967	FALSE
Chr10	89258722	89258892	Chr10.78206	0.00001	TRUE	2.26E-05	TRUE	0.230770734	FALSE
Chr10	91628740	91628918	Chr10.81876	0.00085	TRUE	0.00642326	TRUE	0.874461184	FALSE
Chr10	92162358	92162458	Chr10.82749	0.00013	TRUE	0.000304168	TRUE	0.190751925	FALSE
Chr10	93161879	93162080	Chr10.84147	0.00027	TRUE	0.000101897	TRUE	0.594542632	FALSE
Chr10	96305300	96304241	Chr10.87348	0.00001	TRUE	0.002072851	TRUE	0.066853754	FALSE
Chr10	99228580	99228692	Chr10.90029	0	TRUE	0.044012233	TRUE	0.047988566	FALSE
Chr10	103031012	10303121	Chr10.92821	0	TRUE	4.94E-08	TRUE	0.06148041	FALSE
Chr10	103031407	103031619	Chr10.92824	0.00002	TRUE	0.000445994	TRUE	0.556155845	FALSE
Chr10	105509321	105509432	Chr10.94258	0.00039	TRUE	0.027721656	TRUE	0.350379284	FALSE
Chr10	105573351	105573449	Chr10.94357	0.00058	TRUE	0.003949152	TRUE	0.316222498	FALSE
Chr10	107484960	107485118	Chr10.95501	0.00009	TRUE	0.022534201	TRUE	0.225819991	FALSE
Chr10	109648070	109648213	Chr10.97851	0.00016	TRUE	0.002157519	TRUE	0.731781995	FALSE
Chr10	109683793	109683888	Chr10.97893	0.00002	TRUE	6.58E-06	TRUE	0.575691098	FALSE
Chr10	110745892	110746045	Chr10.99027	0.00034	TRUE	0.000805441	TRUE	0.241596972	FALSE
Chr10	111519632	111519878	Chr10.99657	0.00001	TRUE	0.004592809	TRUE	0.194720313	FALSE
Chr10	115251369	115251514	Chr10.102611	0.00003	TRUE	4.58E-05	TRUE	0.068563314	FALSE
Chr10	115520091	115520582	Chr10.103009	0	TRUE	4.59E-07	TRUE	0.813391396	FALSE
Chr10	115570404	115571103	Chr10.103070	0	TRUE	1.23E-09	TRUE	0.162034528	FALSE
Chr10	115586613	115586728	Chr10.103113	0.00027	TRUE	0.006055677	TRUE	0.212239229	FALSE
Chr10	118641282	118641487	Chr10.105821	0	TRUE	5.33E-06	TRUE	0.099870978	FALSE
Chr10	119602488	119602626	Chr10.10665	0.00017	TRUE	0.01158875	TRUE	0.162230763	FALSE
Chr10	120247135	120247256	Chr10.107461	0.0001	TRUE	0.007343174	TRUE	0.069995986	FALSE
Chr10	120272740	120273020	Chr10.107477	0.00083	TRUE	0.010487303	TRUE	0.914553656	FALSE
Chr10	120384142	120384273	Chr10.107741	0.00059	TRUE	0.000061765	TRUE	0.0513719405	FALSE
Chr10	120391833	120392091	Chr10.107772	0	TRUE	2.02E-05	TRUE	0.150091657	FALSE
Chr10	120430541	120430824	Chr10.107849	0.00286	TRUE	0.002282017	TRUE	0.400617772	FALSE
Chr10	120752120	120752259	Chr10.108382	0	TRUE	1.45E-05	TRUE	0.078747174	FALSE
Chr10	120720715	120722364	Chr10.108840	0.00011	TRUE	8.24E-05	TRUE	0.18669523	FALSE
Chr10	121781638	121781844	Chr10.109479	0.00001	TRUE	8.22E-06	TRUE	0.793830644	FALSE
Chr10	122046432	122046612	Chr10.109790	0.00179	TRUE	0.045175384	TRUE	0.089781342	FALSE
Chr10	122329805	122329908	Chr10.110045	0.00001	TRUE	0.004564029	TRUE	0.091445001	FALSE
Chr10	122903561	122903682	Chr10.110113	0.00011	TRUE	0.004325575	TRUE	0.398558871	FALSE
Chr10	126957896	126958107	Chr10.113367	0.00281	TRUE	0.009669004	TRUE	0.420311847	FALSE
Chr10	126962760	126963042	Chr10.113370	0	TRUE	7.50E-06	TRUE	0.104310828	FALSE
Chr10	126976541	126976644	Chr10.113362	0.00086	TRUE	0.009367648	TRUE	0.081182176	FALSE
Chr10	127070109	127070434	Chr10.113782	0	TRUE	8.34E-10	TRUE	0.040980715	FALSE
Chr10	127643514	127643527	Chr10.115761	0.00001	TRUE	4.33E-05	TRUE	0.103723382	FALSE
Chr10	128128053	128128344	Chr10.117006	0.00001	TRUE	2.60E-06	TRUE	0.06836534	FALSE
Chr10	128821818	128821975	Chr10.118909	0.00003	TRUE	7.53E-07	TRUE	0.133247898	FALSE
Chr10	128922369	128922478	Chr10.119114	0.00008	TRUE	0.0002039975	TRUE	0.064042849	FALSE
Chr11	11931039	11931137	Chr11.6898	0	TRUE	0.009503765	TRUE	0.05340403	FALSE
Chr11	11931286	11931411	Chr11.6898	0.00008	TRUE	0.044883385	TRUE	0.202463396	FALSE
Chr11	17083931	17084279	Chr11.8126	0	TRUE	7.46E-07	TRUE	0.44235646	FALSE
Chr11	17415320	17415452	Chr11.8381	0	TRUE	4.45E-06	TRUE	0.059330541	FALSE
Chr11	17637203	17637310	Chr11.8669	0.00014	TRUE	0.000436582	TRUE	0.480889529	FALSE
Chr11	18444427	18444881	Chr11.9583	0.00007	TRUE	4.87E-05	TRUE	0.971341228	FALSE
Chr11	18751546	18751665	Chr11.10096	0.00087	TRUE	0.013861863	TRUE	0.291499238	FALSE
Chr11	18754782	18755107	Chr11.10185	0.00036	TRUE	0.00087804	TRUE	0.485543739	FALSE
Chr11	18870678	18871196	Chr11.10341	0.00187	TRUE	0.01046088	TRUE	0.269971711	FALSE
Chr11	18964623	18964836	Chr11.10699	0.00083	TRUE	0.000295366	TRUE	0.560723324	FALSE
Chr11	18980674	18980150	Chr11.10798	0.00001	TRUE	4.07E-05	TRUE	0.161688231	FALSE
Chr11	19014551	19014731	Chr11.10894	0	TRUE	1.01E-06	TRUE	0.062815104	FALSE
Chr11	19016697	19016812	Chr11.10933	0	TRUE	3.67E-05	TRUE	0.065574849	FALSE
Chr11	19028022	19029020	Chr11.10967	0.00064	TRUE	0.00911607	TRUE	0.042728209	FALSE
Chr11	19094491	19094858	Chr11.11075	0	TRUE	2.07E-06	TRUE	0.568879596	FALSE
Chr11	19919970	19920187	Chr11.12190	0	TRUE	2.92E-09	TRUE	0.052653374	FALSE
Chr11	19963717	19964119	Chr11.12292	0.00108	TRUE	1.07E-05	TRUE	0.073557426	FALSE
Chr11	20053406	20053614	Chr11.12387	0.00074	TRUE	0.005368964	TRUE	0.413699467	FALSE
Chr11	21092191	21092433	Chr11.13462	0.00001	TRUE	2.97E-05	TRUE	0.73024995	FALSE
Chr11	26373133	26373316	Chr11.22099	0	TRUE	1.82E-05	TRUE	0.218580207	FALSE
Chr11	3396158	33962372	Chr11.26408	0.00032	TRUE	0.000232363	TRUE	0.216959993	FALSE
Chr11	43681822	43681990	Chr11.38097	0.00018	TRUE	2.84E-06	TRUE	0.189407999	FALSE
Chr11	52268502	52268596	Chr11.47207	0.00001	TRUE	0.014708929	TRUE	0.0686082	FALSE
Chr11	63952545	63952949	Chr11.60656	0	TRUE	6.43E-05	TRUE	0.614239807	FALSE
Chr11	65734618	65734996	Chr11.62550	0	TRUE	0.003719581	TRUE	0.05684268	FALSE
Chr11	68815409	68815624	Chr11.66805	0.00142	TRUE	0.009584311	TRUE	0.576464232	FALSE
Chr11	69370954	69370954	Chr11.68340	0.00009	TRUE	0.003990904	TRUE	0.071159326	FALSE
Chr11	69418116	69418309	Chr11.68526	0.00003	TRUE	6.20E-05	TRUE	0.066702615	FALSE
Chr11	70230535	70230655	Chr11.71205	0.00336	TRUE	0.000678022	TRUE	0.193400002	FALSE
Chr11	70578704	70579852	Chr11.71870	0.00005	TRUE	0.001521207	TRUE	0.112697883	FALSE
Chr11	70846509	70846667	Chr11.72500	0.00001	TRUE	0.000125129	TRUE	0.159156591	FALSE
Chr11	84413285	84413457	Chr11.91986	0.00329	TRUE	0.001390155	TRUE	0.802732895	FALSE
Chr11	88414336	88414679	Chr11.98271	0.0005	TRUE	0.000278725	TRUE	0.75523627	FALSE
Chr11	94327537	94327687	Chr11.104417	0.00001	TRUE	0.000123467	TRUE	0.057618276	FALSE
Chr11	94327876	94328014	Chr11.104422	0.00016	TRUE	0.005304316	TRUE	0.114935124	FALSE
Chr11	106438956	106439080	Chr11.129278	0.00001	TRUE	0.000105884	TRUE	0.302170204	FALSE
Chr11	108891290	108891453	Chr11.13167	0.00002	TRUE	0.015119718	TRUE	0.012918402	FALSE
Chr11	112781547	112781676	Chr11.137218	0.00187	TRUE	0.004112404	TRUE	0.416359942	FALSE
Chr11	120237699	120237851	Chr11.149954	0.00009	TRUE	0.000115665	TRUE	0.330723964	FALSE
Chr12	25235074	25235815	Chr12.14654	0.00002	TRUE	0.000283877	TRUE	0.914845029	FALSE
Chr12	26307676	26307707	Chr12.16115	0.00001	TRUE	1.33E-05	TRUE	0.41494844	FALSE
Chr12	27143308	27143426	Chr12.16275	0.00001	TRUE	4.87E-05	TRUE	0.142544224	FALSE
Chr12	28376448	28376666	Chr12.16860	0	TRUE	0.008463319	TRUE	0.169520788	FALSE
Chr12	29096104	29096114	Chr12.17298	0.00005	TRUE	0.000401835	TRUE	0.806863176	FALSE
Chr12	32378557	32378693	Chr12.19587	0.00014	TRUE	0.000202639	TRUE	0.05028742	FALSE
Chr12	33303316	33303459	Chr12.20192	0.00015	TRUE	0.000964297	TRUE	0.54123022	FALSE
Chr12	44387383	44387530	Chr12.29693	0.00003	TRUE	0.016323203	TRUE	0.025472096	FALSE
Chr12	44438851	44439157	Chr12.30012	0	TRUE	0.00023371	TRUE	0.287762479	FALSE
Chr12	76081887	76081998	Chr12.57836	0.00005	TRUE	0.000525487	TRUE	0.048861966	FALSE
Chr12	85287785	85288056	Chr12.70085	0.00183	TRUE	0.024020143	TRUE	0.368801504	FALSE
Chr12	86421462	86421701	Chr12.71690	0.00001	TRUE	0.000851011	TRUE	0.345452054	FALSE
Chr12	95962655	95962756	Chr12.84478	0.00283	TRUE	0.001139342	TRUE	0.88895035	FALSE
Chr12	99564116	99564339	Chr12.84486	0.00005	TRUE	0.000177721	TRUE	0.79339184	FALSE
Chr12	10640808	10641085	Chr12.84580	0	TRUE	1.57E-05	TRUE	0.059165028	FALSE
Chr12	105031075	105031347	Chr12.90049	0	TRUE	0.000105493	TRUE	0.064899294	FALSE
Chr12	112710592	112710743	Chr12.97545	0	TRUE	9.84E-05	TRUE	0.037150043	FALSE
Chr13	3724466	37245719	Chr13.263	0.0013	TRUE	0.026889848	TRUE	0.105595031	FALSE
Chr13	3893287	3893309	Chr13.402	0.00069	TRUE	0.000196764	TRUE	0.3476489	FALSE
Chr13	14521762	14521929	Chr13.6759	0.00009	TRUE	0.000223954	TRUE	0.080509977	FALSE
Chr13	15053181	15053428	Chr13.8969	0.00001	TRUE	4.17E-05	TRUE	0.109141512	FALSE
Chr13	15500656	15500851	Chr13.7371	0.00173	TRUE	0.014236269	TRUE	0.948593383	FALSE
Chr13	15602867	15603087	Chr13.7394	0.00057	TRUE	0.00529614	TRUE	0.754519165	FALSE
Chr13	19624728	19625136	Chr13.7457	0.00057</					

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Chr13	98572720	98572934	Chr13.76395	0.00215	TRUE	0.007480285	TRUE	0.198578764	FALSE
Chr13	98607363	98607500	Chr13.76744	0.00144	TRUE	0.007030206	TRUE	0.730520137	FALSE
Chr13	99447638	99447746	Chr13.77439	0	TRUE	5.98E-06	TRUE	0.122497159	FALSE
Chr13	99514083	99514181	Chr13.77553	0.00112	TRUE	0.038226242	TRUE	0.21261113	FALSE
Chr13	100942605	100943638	Chr13.78644	0	TRUE	2.18E-05	TRUE	0.124562808	FALSE
Chr13	102031504	102031623	Chr13.80051	0.00071	TRUE	0.051608071	TRUE	0.619012864	FALSE
Chr13	102811620	102811884	Chr13.80975	0	TRUE	0.006056097	TRUE	0.389966085	FALSE
Chr13	103096382	103096565	Chr13.81452	0.00047	TRUE	4.71E-05	TRUE	0.631310594	FALSE
Chr13	103921840	103921976	Chr13.82255	0.0006	TRUE	0.000110135	TRUE	0.788934662	FALSE
Chr13	104541759	104541866	Chr13.83023	0.00023	TRUE	0.000266778	TRUE	0.380495778	FALSE
Chr13	104576240	104576265	Chr13.83077	0.00005	TRUE	0.000052665	TRUE	0.628728195	FALSE
Chr13	108043430	108043565	Chr13.85919	0	TRUE	1.87E-08	TRUE	0.904915508	FALSE
Chr13	10926011	109260395	Chr13.86913	0.0001	TRUE	2.16E-05	TRUE	0.631219698	FALSE
Chr13	109260613	109260950	Chr13.86923	0.00155	TRUE	0.003548352	TRUE	0.741931112	FALSE
Chr13	109926775	109927112	Chr13.87619	0	TRUE	2.95E-05	TRUE	0.523942511	FALSE
Chr13	113394425	113394564	Chr13.90968	0.00001	TRUE	0.000768106	TRUE	0.323475255	FALSE
Chr13	116308684	116309160	Chr13.94114	0.00012	TRUE	6.84E-06	TRUE	0.646594601	FALSE
Chr13	118713589	118714019	Chr13.95906	0	TRUE	0.000534763	TRUE	0.946201097	FALSE
Chr14	21932775	21933369	Chr14.14010	0.00233	TRUE	0.013011867	TRUE	0.525584731	FALSE
Chr14	22255436	22255703	Chr14.14709	0.00209	TRUE	0.002549204	TRUE	0.909215241	FALSE
Chr14	22759809	22760124	Chr14.15804	0	TRUE	0.002733611	TRUE	0.216240087	FALSE
Chr14	33250440	33250556	Chr14.31221	0.00066	TRUE	0.011481731	TRUE	0.356961355	FALSE
Chr14	33824425	33824739	Chr14.31642	0.00014	TRUE	0.011658383	TRUE	0.34695705	FALSE
Chr14	33919209	33919490	Chr14.31703	0.0016	TRUE	0.000111572	TRUE	0.706022633	FALSE
Chr14	33940818	33940931	Chr14.31774	0.00232	TRUE	0.025098885	TRUE	0.318631969	FALSE
Chr14	51912409	51912551	Chr14.42609	0.00073	TRUE	0.002603913	TRUE	0.164840874	FALSE
Chr14	51929800	51929909	Chr14.42668	0.00088	TRUE	0.000534245	TRUE	0.140199047	FALSE
Chr14	51941338	51941543	Chr14.42680	0	TRUE	0.000172314	TRUE	0.040653104	FALSE
Chr14	52060640	52060572	Chr14.42787	0.00027	TRUE	0.000010173	TRUE	0.098970489	FALSE
Chr14	52014980	52015283	Chr14.42837	0	TRUE	9.00E-05	TRUE	0.446683205	FALSE
Chr14	52104135	52104341	Chr14.42918	0.00084	TRUE	3.93E-06	TRUE	0.685319537	FALSE
Chr14	52157020	52157287	Chr14.43057	0.00027	TRUE	8.44E-07	TRUE	0.363931078	FALSE
Chr14	52244332	52244733	Chr14.43178	0	TRUE	1.47E-05	TRUE	0.03722819	FALSE
Chr14	52257511	52237866	Chr14.43353	0	TRUE	3.07E-06	TRUE	0.175267468	FALSE
Chr14	58636586	58636968	Chr14.50513	0.0001	TRUE	8.63E-05	TRUE	0.408653577	FALSE
Chr14	6143672	6143882	Chr14.52872	0	TRUE	3.30E-07	TRUE	0.041943757	FALSE
Chr14	61768180	61768347	Chr14.53109	0.00013	TRUE	2.27E-05	TRUE	0.315683161	FALSE
Chr14	62003167	62003660	Chr14.53326	0.00005	TRUE	1.00E-05	TRUE	0.469751257	FALSE
Chr14	62030181	62030360	Chr14.53354	0	TRUE	0.013011342	TRUE	0.064101659	FALSE
Chr14	62052870	62053196	Chr14.53367	0.00112	TRUE	0.03003891	TRUE	0.174828416	FALSE
Chr14	62159246	62159410	Chr14.53467	0	TRUE	1.08E-06	TRUE	0.153380015	FALSE
Chr14	62159805	62160056	Chr14.53469	0.00277	TRUE	0.009643328	TRUE	0.630430261	FALSE
Chr14	67272822	67272889	Chr14.58709	0.00056	TRUE	0.000148861	TRUE	0.477462161	FALSE
Chr14	74867636	74867847	Chr14.66410	0.00179	TRUE	0.000795511	TRUE	0.933481969	FALSE
Chr14	75176891	75176880	Chr14.66632	0	TRUE	75.224451139	TRUE	0.203094438	FALSE
Chr14	76176485	76176560	Chr14.67608	0.0021	TRUE	0.00228526	TRUE	0.51383973	FALSE
Chr14	77574579	77574693	Chr14.69052	0.00092	TRUE	0.030433596	TRUE	0.272055867	FALSE
Chr14	93869463	93869580	Chr14.82252	0.00041	TRUE	0.000142411	TRUE	0.459030337	FALSE
Chr14	99298098	99298578	Chr14.86229	0.00058	TRUE	2.65E-07	TRUE	0.942444237	FALSE
Chr14	105890783	105890803	Chr14.93406	0	TRUE	2.06E-05	TRUE	0.10825013	FALSE
Chr14	122902172	122902277	Chr14.10548	0.00016	TRUE	0.00805407	TRUE	0.233458886	FALSE
Chr15	3633409	3633613	Chr15.366	0.00016	TRUE	5.55E-05	TRUE	0.36576176	FALSE
Chr15	25679143	25679423	Chr15.14384	0.00053	TRUE	0.002786328	TRUE	0.532815606	FALSE
Chr15	25683180	25683368	Chr15.14395	0	TRUE	0.000604479	TRUE	0.053911119	FALSE
Chr15	25683375	25683482	Chr15.14398	0.00047	TRUE	0.000302937	TRUE	0.775674363	FALSE
Chr15	25924027	25924277	Chr15.14756	0.00067	TRUE	0.000570118	TRUE	0.609116719	FALSE
Chr15	27076231	27076433	Chr15.15605	0	TRUE	7.75E-06	TRUE	0.40595919	FALSE
Chr15	27405775	27405806	Chr15.15919	0.00031	TRUE	0.000143038	TRUE	0.275154543	FALSE
Chr15	27581770	27581941	Chr15.16052	0.00178	TRUE	0.000548652	TRUE	0.28334418	FALSE
Chr15	30693872	30694043	Chr15.17974	0.00001	TRUE	0.000101311	TRUE	0.117505289	FALSE
Chr15	33312629	33312816	Chr15.19840	0	TRUE	9.48E-06	TRUE	0.20932129	FALSE
Chr15	33702343	33702507	Chr15.20198	0	TRUE	7.58E-07	TRUE	0.050432448	FALSE
Chr15	37499514	37499643	Chr15.23726	0.00226	TRUE	0.005986162	TRUE	0.982432508	FALSE
Chr15	40115173	40115502	Chr15.25435	0.00001	TRUE	0.029489047	TRUE	0.61800313	FALSE
Chr15	50888022	50888233	Chr15.32743	0.00025	TRUE	0.000127305	TRUE	0.89803751	FALSE
Chr15	51105743	51105951	Chr15.33128	0.0011	TRUE	0.004444623	TRUE	0.541985272	FALSE
Chr15	73243289	73243400	Chr15.50327	0	TRUE	1.27E-05	TRUE	0.080199776	FALSE
Chr15	83734656	83737417	Chr15.64650	0.00037	TRUE	0.047711098	TRUE	0.189498538	FALSE
Chr15	83518380	83518486	Chr15.73216	0.00008	TRUE	0.006204019	TRUE	0.235825288	FALSE
Chr15	97990129	97990461	Chr15.77750	0	TRUE	0.00078432	TRUE	0.047012109	FALSE
Chr15	98024262	98026213	Chr15.77964	0.00013	TRUE	0.000176744	TRUE	0.66420796	FALSE
Chr15	98026949	98026964	Chr15.77966	0	TRUE	4.71E-08	TRUE	0.036331344	FALSE
Chr15	99333011	99333265	Chr15.80616	0.00002	TRUE	0.000733107	TRUE	0.145141009	FALSE
Chr15	101177148	101177294	Chr15.83548	0.00186	TRUE	0.0580506	TRUE	0.917407753	FALSE
Chr15	102414843	102415692	Chr15.86482	0.00016	TRUE	0.000140755	TRUE	0.210158986	FALSE
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Chr15	102405572	102405724	Chr15.86621	0.00004	TRUE	3.34E-07	TRUE	0.097235849	FALSE
Chr15	102736238	102736354	Chr15.87658	0.00032	TRUE	0.002039439	TRUE	0.324578492	FALSE
Chr15	103090484	103090612	Chr15.88728	0.00185	TRUE	0.008556082	TRUE	0.111213148	FALSE
Chr15	103272554	103272687	Chr15.89133	0.00066	TRUE	0.000658499	TRUE	0.383756747	FALSE
Chr15	103302794	103302983	Chr15.89227	0.00041	TRUE	0.021414814	TRUE	0.043150936	FALSE
Chr15	103333877	103341150	Chr15.89229	0.00016	TRUE	6.31E-05	TRUE	0.507223798	FALSE
Chr15	10336910	103369219	Chr15.89517	0.00017	TRUE	0.000395308	TRUE	0.144809209	FALSE
Chr15	103497844	103498030	Chr15.89787	0.00008	TRUE	0.000302324	TRUE	0.498617202	FALSE
Chr15	103515011	103515186	Chr15.89847	0	TRUE	9.34E-07	TRUE	0.121170318	FALSE
Chr15	103519035	103519139	Chr15.89859	0.00019	TRUE	0.000657798	TRUE	0.242252547	FALSE
Chr15	103529803	103529993	Chr15.89937	0	TRUE	6.25E-06	TRUE	0.038390347	FALSE
Chr16	18201488	18201603	Chr16.14793	0.00281	TRUE	0.064680264	TRUE	0.640270515	FALSE
Chr16	21205650	21205751	Chr16.17700	0.00309	TRUE	0.000205694	TRUE	0.306067735	FALSE
Chr16	25058830	25058935	Chr16.22091	0.00001	TRUE	4.23E-05	TRUE	0.1376137	FALSE
Chr16	28564232	28564366	Chr16.22091	0.0015	TRUE	0.026980706	TRUE	0.293537561	FALSE
Chr16	29689711	29689854	Chr16.25682	0.00015	TRUE	0.000329273	TRUE	0.050394055	FALSE
Chr16	29788261	29788532	Chr16.25738	0	TRUE	1.40E-06	TRUE	0.376799723	FALSE
Chr16	29816056	29816158	Chr16.25755	0.00183	TRUE	0.064485591	TRUE	0.192320824	FALSE
Chr16	29837322	29837422	Chr16.25773	0.0004	TRUE	0.02895268	TRUE	0.354302694	FALSE
Chr16	29839429	29839558	Chr16.25781	0.00047	TRUE	0.003396825	TRUE	0.20761341	FALSE
Chr16	30005287	30005440	Chr16.25925	0.00018	TRUE	2.58E-05	TRUE	0.645058966	FALSE
Chr16	30020010	30020169	Chr16.25931	0.00018	TRUE	4.76E-05	TRUE	0.16235176	FALSE
Chr16	30024823	30025084	Chr16.25939	0	TRUE	2.93E-06	TRUE	0.08524692	FALSE
Chr16	30501885	30502086	Chr16.26491	0	TRUE	0.000443335	TRUE	0.178303929	FALSE
Chr16	31489324	31489514	Chr16.27019	0.00012	TRUE	0.000222349	TRUE	0.157199994	FALSE
Chr16	31535380	31535527	Chr16.27087	0.00174	TRUE	0.0045151	TRUE	0.616072973	FALSE
Chr16	31592469	31592656	Chr16.27119	0.00329	TRUE	0.004728419	TRUE	0.851960041	FALSE
Chr16	33379421	33379582	Chr16.28901	0	TRUE	0.000351389	TRUE	0.442863563	FALSE
Chr16	33401074	33401314	Chr16.28916	0.00261	TRUE	0.004119751	TRUE	0.626826791	FALSE
Chr16	34513907	34514128	Chr16.30329	0.00002	TRUE	7.29E-05	TRUE	0.098653341	FALSE
Chr16	35106770	35106947	Chr16.30981	0	TRUE	0.000366123	TRUE	0.034373567	FALSE
Chr16	35189799	35189954	Chr16.31079	0.0011	TRUE	0.01262148	TRUE	0.603392198	FALSE
Chr16	38362033	38362178	Chr16.34418	0.00003	TRUE	8.84E-05	TRUE	0.229420091	FALSE
Chr16	39895129	39895302	Chr16.35842	0	TRUE	9.10E-07	TRUE	0.0351194</	

Chr18	65083681	65083830	Chr18.65193	0.00003	TRUE	0.0003472	TRUE	0.04674386	FALSE
Chr18	65380161	65580549	Chr18.65762	0.00001	TRUE	0.00048573	TRUE	0.44290651	FALSE
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Chr18	68117452	68117678	Chr18.67600	0	TRUE	1.09E-07	TRUE	0.233761891	FALSE
Chr18	68124670	68124837	Chr18.67608	0.00004	TRUE	0.002753855	TRUE	0.343272467	FALSE
Chr18	68140748	68140921	Chr18.67620	0	TRUE	0.00116555	TRUE	0.081530312	FALSE
Chr18	68214890	68214996	Chr18.67677	0.0004	TRUE	0.035026556	TRUE	0.301335347	FALSE
Chr18	68502410	68503013	Chr18.67843	0	TRUE	2.68E-08	TRUE	0.063071576	FALSE
Chr18	69131106	69132122	Chr18.68626	0.00001	TRUE	0.001813652	TRUE	0.108054966	FALSE
Chr18	69528111	69528323	Chr18.69561	0.00002	TRUE	0.000826664	TRUE	0.605467893	FALSE
Chr18	69613283	69613700	Chr18.69626	0.00141	TRUE	9.70E-06	TRUE	0.155839926	FALSE
Chr18	69675172	69675480	Chr18.69894	0	TRUE	4.44E-05	TRUE	0.303425791	FALSE
Chr18	74002177	74023383	Chr18.73665	0	TRUE	0.0235086	TRUE	0.044716665	FALSE
Chr18	75332155	75332598	Chr18.74722	0.00003	TRUE	0.000177635	TRUE	0.579696805	FALSE
Chr18	75368082	75368445	Chr18.74770	0.00004	TRUE	3.15E-07	TRUE	0.720635104	FALSE
Chr18	75478729	75479047	Chr18.74993	0.00011	TRUE	0.004911179	TRUE	0.469622814	FALSE
Chr18	75697615	75697793	Chr18.75198	0.00018	TRUE	0.000501683	TRUE	0.207879384	FALSE
Chr18	76111159	76111358	Chr18.75536	0.00241	TRUE	0.014529084	TRUE	0.714917156	FALSE
Chr18	84073418	84073781	Chr18.83100	0.00021	TRUE	0.014785008	TRUE	0.921099431	FALSE
Chr19	14863124	14863362	Chr19.17586	0.00009	TRUE	2.03E-05	TRUE	0.326917417	FALSE
Chr19	23140646	23140778	Chr19.25209	0.00168	TRUE	0.000149992	TRUE	0.444649115	FALSE
Chr19	25277904	25278173	Chr19.27376	0	TRUE	3.03E-07	TRUE	0.150049731	FALSE
Chr19	26243956	26244317	Chr19.28540	0.00332	TRUE	0.000110185	TRUE	0.711153875	FALSE
Chr19	30419865	30420377	Chr19.32611	0	TRUE	4.00E-08	TRUE	0.169646292	FALSE
Chr19	30595155	30595431	Chr19.32777	0.00001	TRUE	2.42E-06	TRUE	0.196030329	FALSE
Chr19	31772283	31772393	Chr19.33870	0.00001	TRUE	0.007084722	TRUE	0.251915223	FALSE
Chr19	32760690	32760889	Chr19.34471	0.00004	TRUE	0.011025141	TRUE	0.701974233	FALSE
Chr19	32923203	32923286	Chr19.34599	0	TRUE	1.45E-06	TRUE	0.083410081	FALSE
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Chr19	33002257	33002487	Chr19.34657	0	TRUE	0.15641644	TRUE	0.238999577	FALSE
Chr19	33011082	33011443	Chr19.34669	0	TRUE	1.02E-13	TRUE	0.056881863	FALSE
Chr19	33224021	33224191	Chr19.34947	0	TRUE	1.05E-06	TRUE	0.432557579	FALSE
Chr19	34254246	34254396	Chr19.35576	0	TRUE	0.000252924	TRUE	0.064549739	FALSE
Chr19	38264361	38264718	Chr19.39064	0.00057	TRUE	0.032160553	TRUE	0.591308184	FALSE
Chr19	42461594	42461858	Chr19.44120	0.0001	TRUE	0.006511947	TRUE	0.252180287	FALSE
Chr19	46977467	46977712	Chr19.63695	0.0002	TRUE	0.000181519	TRUE	0.300339881	FALSE
Chr19	60757412	60757412	Chr19.69188	0.00001	TRUE	0.000177983	TRUE	0.397014477	FALSE

Chr3	53658142	53658311	Chr3.37568	0.00025	TRUE	0.000107192	TRUE	0.421150188	FALSE
Chr3	54756210	54755379	Chr3.38165	0.00036	TRUE	6.15E-08	TRUE	0.574686892	FALSE
Chr3	63871422	63871464	Chr3.44071	0	TRUE	8.87E-10	TRUE	0.051262113	FALSE
Chr3	65582846	65588354	Chr3.46420	0.00017	TRUE	0.00021605	TRUE	0.554238889	FALSE
Chr3	65589539	65589876	Chr3.46423	0.00089	TRUE	0.0002760272	TRUE	0.711362081	FALSE
Chr3	65658476	65658591	Chr3.46513	0	TRUE	2.58E-07	TRUE	0.040163119	FALSE
Chr3	65861518	65861678	Chr3.46674	0.00044	TRUE	0.007852945	TRUE	0.324375069	FALSE
Chr3	66373940	66374428	Chr3.47119	0	TRUE	2.35E-09	TRUE	0.408662429	FALSE
Chr3	66575141	66575326	Chr3.47395	0	TRUE	1.62E-07	TRUE	0.034787092	FALSE
Chr3	66981634	66981988	Chr3.47985	0.00001	TRUE	0.000977845	TRUE	0.082190173	FALSE
Chr3	66985616	66985718	Chr3.47998	0.00006	TRUE	9.13E-05	TRUE	0.085151549	FALSE
Chr3	84220706	84220967	Chr3.58165	0.00004	TRUE	8.74E-08	TRUE	0.027091826	FALSE
Chr3	84732300	84732532	Chr3.59802	0.00006	TRUE	0.011611843	TRUE	0.044203526	FALSE
Chr3	85435723	85435841	Chr3.59361	0.00026	TRUE	0.050655746	TRUE	0.373882432	FALSE
Chr3	86789401	86789520	Chr3.61249	0.00024	TRUE	0.00033386	TRUE	0.654679984	FALSE
Chr3	87114882	87115227	Chr3.61539	0	TRUE	0.00234628	TRUE	0.086213966	FALSE
Chr3	87158412	87158567	Chr3.61585	0.00176	TRUE	0.001552461	TRUE	0.86719094	FALSE
Chr3	87167858	87168004	Chr3.61596	0	TRUE	0.000146363	TRUE	0.104047436	FALSE
Chr3	90051516	90051637	Chr3.62979	0.00007	TRUE	0.000511953	TRUE	0.036003556	FALSE
Chr3	95929191	95929324	Chr3.73131	0.00059	TRUE	0.003399442	TRUE	0.183940372	FALSE
Chr3	97297298	97297416	Chr3.75126	0.00075	TRUE	0.000178786	TRUE	0.102555009	FALSE
Chr3	97297568	97298035	Chr3.75130	0.00005	TRUE	1.17E-08	TRUE	0.841246472	FALSE
Chr3	10203409	10203516	Chr3.80754	0.00006	TRUE	0.01030018	TRUE	0.093274673	FALSE
Chr3	104962480	104962596	Chr3.84007	0.00243	TRUE	0.000866057	TRUE	0.183504875	FALSE
Chr3	105453303	105453445	Chr3.84598	0.00002	TRUE	0.001375982	TRUE	0.050508478	FALSE
Chr3	105966231	105966384	Chr3.85003	0.00016	TRUE	0.000142918	TRUE	0.190508919	FALSE
Chr3	107333555	107333721	Chr3.86708	0.00251	TRUE	1.90E-05	TRUE	0.881516537	FALSE
Chr3	107578040	107578743	Chr3.87080	0.00034	TRUE	0.057860726	TRUE	0.096393563	FALSE
Chr3	108085425	108085532	Chr3.87852	0.00111	TRUE	0.030437584	TRUE	0.244093284	FALSE
Chr3	109341823	109341946	Chr3.90007	0.00045	TRUE	0.000794616	TRUE	0.174583967	FALSE
Chr3	123690128	123690391	Chr3.102745	0.00062	TRUE	8.61E-06	TRUE	0.855312316	FALSE
Chr3	137863500	137863689	Chr3.114382	0.00258	TRUE	0.000759526	TRUE	0.816580303	FALSE
Chr3	143743381	143743666	Chr3.121096	0.00001	TRUE	0.00401361	TRUE	0.731704145	FALSE
Chr3	143743720	143743918	Chr3.121098	0.00281	TRUE	0.022384782	TRUE	0.799326869	FALSE
Chr3	143797881	143798002	Chr3.121254	0.00002	TRUE	2.29E-05	TRUE	0.191898714	FALSE
Chr3	144107688	144107933	Chr3.121856	0.00013	TRUE	0.000133711	TRUE	0.213811479	FALSE
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Chr3	147064028	147064399	Chr3.125924	0	TRUE	0.00072331	TRUE	0.413813712	FALSE
Chr3	147181007	147181305	Chr3.126238	0.00048	TRUE	0.001654989	TRUE	0.709707235	FALSE
Chr3	147181650	147181967	Chr3.126244	0.00009	TRUE	4.02E-05	TRUE	0.247012408	FALSE
Chr3	147182262	147182377	Chr3.126249	0.00252	TRUE	0.000025688	TRUE	0.707809443	FALSE
Chr3	149048000	149048230	Chr3.131056	0.00001	TRUE	3.65E-05	TRUE	0.422934998	FALSE
Chr3	149842771	149845441	Chr3.131090	0.00001	TRUE	0.003107083	TRUE	0.694380206	FALSE
Chr3	154333195	154333546	Chr3.135720	0.00054	TRUE	1.29E-05	TRUE	0.746687027	FALSE
Chr3	154648927	154647244	Chr3.136050	0	TRUE	0.07043056	TRUE	0.289119449	FALSE
Chr3	154649427	154649692	Chr3.136055	0.00018	TRUE	0.000519115	TRUE	0.956594127	FALSE
Chr3	154606726	154606973	Chr3.136324	0.00048	TRUE	1.14E-06	TRUE	0.577642734	FALSE
Chr3	159841556	159841714	Chr3.140260	0.00003	TRUE	0.000341392	TRUE	0.345358763	FALSE
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Chr4	5798726	5798871	Chr4.1108	0	TRUE	3.76E-05	TRUE	0.195535777	FALSE
Chr4	8381820	8382097	Chr4.3193	0.00195	TRUE	0.02146675	TRUE	0.604685585	FALSE
Chr4	8689671	8689833	Chr4.3263	0	TRUE	6.47E-06	TRUE	0.599847571	FALSE
Chr4	8822513	8822915	Chr4.3547	0.00055	TRUE	0.000584066	TRUE	0.741983218	FALSE
Chr4	10787057	10787209	Chr4.5358	0	TRUE	5.69E-06	TRUE	0.079685789	FALSE
Chr4	11112482	11112781	Chr4.5555	0.00102	TRUE	0.002677758	TRUE	0.522085195	FALSE
Chr4	11703545	11703515	Chr4.6067	0	TRUE	5.64E-06	TRUE	0.099380391	FALSE
Chr4	12421739	12421846	Chr4.6794	0.00108	TRUE	0.008563334	TRUE	0.055055152	FALSE
Chr4	12597289	12597452	Chr4.7066	0.00001	TRUE	5.47E-05	TRUE	0.25553068	FALSE
Chr4	13302079	13303077	Chr4.7872	0.00001	TRUE	0.031818025	TRUE	0.242862892	FALSE
Chr4	13745005	13745410	Chr4.8466	0.00006	TRUE	0.002482387	TRUE	0.138279626	FALSE
Chr4	13783722	13783878	Chr4.8577	0.00009	TRUE	0.000658877	TRUE	0.25572581	FALSE
Chr4	13785833	13786015	Chr4.8590	0	TRUE	4.58E-08	TRUE	0.131565989	FALSE
Chr4	17854247	17854515	Chr4.10683	0.00058	TRUE	4.57E-07	TRUE	0.65511977	FALSE
Chr4	32240292	32240788	Chr4.21115	0.00027	TRUE	2.98E-05	TRUE	0.445669242	FALSE
Chr4	33924494	33925450	Chr4.23396	0.00001	TRUE	4.21E-09	TRUE	0.269300318	FALSE
Chr4	43580444	43593173	Chr4.315438	0.00068	TRUE	0.000974193	TRUE	0.143986141	FALSE
Chr4	44425333	44425578	Chr4.31931	0.00091	TRUE	0.005492904	TRUE	0.15170628	FALSE
Chr4	44643764	44643868	Chr4.32189	0.00197	TRUE	0.000883124	TRUE	0.467385703	FALSE
Chr4	54945180	54945322	Chr4.315430	0.00205	TRUE	0.000761522	TRUE	0.235800312	FALSE
Chr4	57141254	57141442	Chr4.42559	0.00001	TRUE	4.48E-05	TRUE	0.145747227	FALSE
Chr4	57338846	57339232	Chr4.44472	0.00004	TRUE	6.94E-07	TRUE	0.850738147	FALSE
Chr4	62727682	62727875	Chr4.47823	0.00215	TRUE	0.022441254	TRUE	0.741042669	FALSE
Chr4	65200075	65200210	Chr4.50950	0.00006	TRUE	0.000433355	TRUE	0.148741105	FALSE
Chr4	66482639	66482875	Chr4.52287	0.00028	TRUE	0.000102477	TRUE	0.489288251	FALSE
Chr4	68801825	68802307	Chr4.54101	0.00047	TRUE	8.23E-08	TRUE	0.350439391	FALSE
Chr4	70243961	70243948	Chr4.55261	0	TRUE	2.23E-06	TRUE	0.534464377	FALSE
Chr4	70412225	70412431	Chr4.55519	0	TRUE	2.65E-06	TRUE	0.104136255	FALSE
Chr4	70533212	70533350	Chr4.55674	0.00183	TRUE	0.000221991	TRUE	0.664033666	FALSE
Chr4	70533863	70533796	Chr4.55679	0	TRUE	3.61E-06	TRUE	0.265538933	FALSE
Chr4	70542555	70542697	Chr4.55687	0.00003	TRUE	5.24E-05	TRUE	0.200140455	FALSE
Chr4	76324951	76325145	Chr4.59400	0.00053	TRUE	0.00032284	TRUE	0.619916478	FALSE
Chr4	82173673	82173891	Chr4.63654	0.00019	TRUE	0.000158268	TRUE	0.621245317	FALSE
Chr4	87857899	87861333	Chr4.70962	0.00011	TRUE	6.32E-06	TRUE	0.536756882	FALSE
Chr4	103314516	103314811	Chr4.86261	0	TRUE	0.002538903	TRUE	0.703267985	FALSE
Chr4	107636530	107639740	Chr4.91820	0.00006	TRUE	0.007120589	TRUE	0.223845161	FALSE
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Chr4	110290144	110290452	Chr4.94855	0.00002	TRUE	3.05E-05	TRUE	0.573422862	FALSE
Chr4	114504706	114504821	Chr4.96352	0.00089	TRUE	0.002848049	TRUE	0.179815641	FALSE
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Chr4	117914163	117914554	Chr4.101358	0.00003	TRUE	4.70E-06	TRUE	0.193652265	FALSE
Chr4	119440953	119441405	Chr4.103680	0.00026	TRUE	0.001607988	TRUE	0.216482954	FALSE
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Chr4	123663123	123663321	Chr4.107180	0.00003	TRUE	0.000215452	TRUE	0.396971525	FALSE
Chr4	123683432	123683651	Chr4.107181	0	TRUE	6.10E-08	TRUE	0.104653696	FALSE
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Chr4	124172222	124172590	Chr4.107641	0.00051	TRUE	9.82E-05	TRUE	0.979819699	FALSE
Chr4	124236623	124236772	Chr4.107742	0.00019	TRUE	0.00108835	TRUE	0.087363954	FALSE
Chr4	124434517	124434764	Chr4.107914	0.00005	TRUE	0.000715587	TRUE	0.602035758	FALSE
Chr4	124993186	124993317	Chr4.108850	0.00002	TRUE	0.04211413	TRUE	0.134414837	FALSE
Chr4	125729594	125729724	Chr4.109994	0	TRUE	3.64E-05	TRUE	0.372894911	FALSE
Chr4	125902154	125903245	Chr4.110145	0	TRUE	0.001868973	TRUE	0.140887944	FALSE
Chr4	126104805	126104991	Chr4.110384	0	TRUE	2.26E-07	TRUE	0.052299198	FALSE
Chr4	126314011	126314327	Chr4.110873	0	TRUE	3.87E-06	TRUE	0.095178928	FALSE
Chr4	126491293	126491597	Chr4.111189	0.00003	TRUE	0.000205995	TRUE	0.352858687	FALSE
Chr4	127252155	127252260	Chr4.112275	0.00002	TRUE	0.000129683	TRUE	0.074402136	FALSE
Chr4	127263885	127264251	Chr4.112291	0.00173	TRUE	0.000223819	TRUE	0.662842961	FALSE
Chr4	128839951	128840100	Chr4.113929	0.00033	TRUE	0.000893322	TRUE	0.100340191	FALSE
Chr4	136716989	136716989	Chr4.125207	0.00023	TRUE	0.000728993	TRUE	0.040645538	FALSE
Chr4	139154544	139154688	Chr4.126841	0.00101	TRUE	0.00026021	TRUE	0.222279816	FALSE
Chr4	142221409	142221522	Chr4.134226	0.00002	TRUE	0.005563735	TRUE	0.250444683	FALSE
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Chr5	138993641	138993771	Chr5.123351	0.00181	TRUE	0.00128294	TRUE	0.750132642	FALSE
Chr6	12749424	12749443	Chr6.96901	0	TRUE	1.04E-07	TRUE	0.493777908	FALSE
Chr6	15371072	15371285	Chr6.10981	0.00003	TRUE	0.000577431	TRUE	0.757523865	FALSE
Chr6	15792678	15793008	Chr6.11573	0.00086	TRUE	0.001588016	TRUE	0.238671546	FALSE
Chr6	15987463	15987622	Chr6.11853	0	TRUE	0.03256097	TRUE	0.089711677	FALSE
Chr6	16550464	16550760	Chr6.12354	0	TRUE	3.29E-06	TRUE	0.1643246	FALSE
Chr6	16551196	16551459	Chr6.12363	0.00046	TRUE	0.000121866	TRUE	0.681021068	FALSE
Chr6	17817045	17817152	Chr6.14184	0.0003	TRUE	0.011318081	TRUE	0.406818044	FALSE
Chr6	17629653	17630353	Chr6.14363	0.00002	TRUE	3.78E-05	TRUE	0.726876074	FALSE
Chr6	17996875	17996878	Chr6.14480	0.00005	TRUE	3.70E-05	TRUE	0.664628341	FALSE
Chr6	18699939	18700302	Chr6.15248	0.00001	TRUE	2.28E-06	TRUE	0.72412751	FALSE
Chr6	21650653	21650684	Chr6.16692	0	TRUE	0.000569002	TRUE	0.577550744	FALSE
Chr6	21864267	21864451	Chr6.16715	0.00004	TRUE	0.000676828	TRUE	0.520892887	FALSE
Chr6	21969055	21969275	Chr6.16855	0	TRUE	1.28E-08	TRUE	0.259535403	FALSE
Chr6	22794763	22795229	Chr6.17524	0.00027	TRUE	2.72E-05	TRUE	0.239496098	FALSE
Chr6	23383213	23383320	Chr6.16269	0.00039	TRUE	0.038703096	TRUE	0.125864537	FALSE
Chr6	33059184	33059310	Chr6.28741	0	TRUE	4.57E-07	TRUE	0.187338678	FALSE
Chr6	36734896	36785116	Chr6.32504	0.00004	TRUE	0.010532938	TRUE	0.065646	FALSE
Chr6	47526676	47526919	Chr6.41974	0.00044	TRUE	0.027652522	TRUE	0.723097028	FALSE
Chr6	47593633	47593784	Chr6.42049	0	TRUE	2.28E-06	TRUE	0.085347596	FALSE
Chr6	51020936	51027728	Chr6.45811	0	TRUE	5.83E-05	TRUE	0.666703947	FALSE
Chr6	52797445	52797604	Chr6.49194	0	TRUE	1.24E-06	TRUE	0.18845152	FALSE
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Chr6	63255882	63259120	Chr6.56235	0.00001	TRUE	1.85E-05	TRUE	0.160078141	FALSE
Chr6	86064797	86065002	Chr6.70335	0.00001	TRUE	1.70E-05	TRUE	0.486077024	FALSE
Chr6	86251024	86251206	Chr6.70524	0.00195	TRUE	0.038032064	TRUE	0.194763361	FALSE
Chr6	86252320	86252545	Chr6.70529	0.00055	TRUE	8.16E-07	TRUE	0.452437318	FALSE
Chr6	86404218	86404334	Chr6.70672	0.00087	TRUE	0.000355104	TRUE	0.222740306	FALSE
Chr6	86490347	86490464	Chr6.70801	0	TRUE	1.55E-07	TRUE	0.092492153	FALSE
Chr6	86624111	86624343	Chr6.70849	0.00001	TRUE	6.05E-06	TRUE	0.227088523	FALSE
Chr6	87003049	87003223	Chr6.71320	0.00155	TRUE	0.022703682	TRUE	0.578728087	FALSE
Chr6	87216846	87216748	Chr6.71558	0	TRUE	0.000436963	TRUE	0.692843159	FALSE
Chr6	87233348	87233349	Chr6.71572	0.00006	TRUE	0.020267176	TRUE	0.638785846	FALSE
Chr6	87483179	87483299	Chr6.71932	0.00096	TRUE	0.000332629	TRUE	0.224511974	FALSE
Chr6	92762389	92762784	Chr6.76735	0.00059	TRUE	0.000461089	TRUE	0.906371239	FALSE
Chr6	98509429	98509615	Chr6.83876	0.00016	TRUE	0.001117923	TRUE	0.876046192	FALSE
Chr6	99959482	99959620	Chr6.86699	0.00004	TRUE	0.063199873	TRUE	0.11037906	FALSE
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Chr6	136403777	136406870	Chr6.11680	0.00001	TRUE	0.003035923	TRUE	0.854362397	FALSE
Chr6	140336492	14033709	Chr6.120678	0.00001	TRUE	0.001894232	TRUE	0.406701882	FALSE
Chr6	140624812	140624911	Chr6.120980	0.00074	TRUE	0.000587432	TRUE	0.102568977	FALSE
Chr6	145340055	145340276	Chr6.12581	0	TRUE	1.43E-06	TRUE	0.048353237	FALSE
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Chr7	34553244	34553471	Chr7.19674	0.00001	TRUE	0.000243396	TRUE	0.888930177	FALSE
Chr7	34603030	34603081	Chr7.19987	0.00001	TRUE	0.000180545	TRUE	0.636504134	FALSE
Chr7	35028296	35028429	Chr7.20223	0.00151	TRUE	0.009635944	TRUE	0.185767136	FALSE
Chr7	36091253	36091373	Chr7.21925	0.00151	TRUE	0.010996589	TRUE	0.819500641	FALSE
Chr7	36155954	36156193	Chr7.22030	0	TRUE	3.09E-07	TRUE	0.186255702	FALSE
Chr7	36311015	36311120	Chr7.22196	0.00298	TRUE	0.002020395	TRUE	0.038440329	FALSE
Chr7	36714039	36714199	Chr7.22703	0	TRUE	7.24E-07	TRUE	0.25158067	FALSE
Chr7	37463688	37463904	Chr7.23833	0.00001	TRUE	0.006264635	TRUE	0.920978609	FALSE
Chr7	37649003	37649198	Chr7.24302	0	TRUE	2.04E-06	TRUE	0.075670391	FALSE
Chr7	38120855	38121049	Chr7.24987	0.00002	TRUE	2.40E-06	TRUE	0.61018541	FALSE
Chr7	38140488	38140681	Chr7.25003	0.00007	TRUE	2.04E-05	TRUE	0.395779501	FALSE
Chr7	39656042	39656615	Chr7.25147	0	TRUE	3.02E-05	TRUE	0.048657295	FALSE
Chr7	40276349	40276462	Chr7.25374	0.0011	TRUE	0.013256908	TRUE	0.341661141	FALSE
Chr7	40392528	40392684	Chr7.25411	0	TRUE	2.75E-05	TRUE	0.415063778	FALSE
Chr7	46587205	46587676	Chr7.32802	0	TRUE	0.000117781	TRUE	0.487078933	FALSE
Chr7	48963872	48964040	Chr7.34220	0.00004	TRUE	3.45E-06	TRUE	0.248698034	FALSE
Chr7	49146177	49146411	Chr7.34516	0.00148	TRUE	0.029109323	TRUE	0.474875916	FALSE
Chr7	66230584	66230960	Chr7.41093	0.00001	TRUE	0.018789311	TRUE	0.092548332	FALSE
Chr7	71412221	71412371	Chr7.47862	0.00092	TRUE	0.038496958	TRUE	0.384609762	FALSE
Chr7	69855733	69855871	Chr7.62483	0	TRUE	3.83E-06	TRUE	0.260957859	FALSE
Chr7	69855676	69855675	Chr7.62491	0.00001	TRUE	0.00081863	TRUE	0.055823539	FALSE
Chr7	94042437	94042550	Chr7.66044	0.00001	TRUE	0.000546907	TRUE	0.096546907	FALSE
Chr7	96171024	96171165	Chr7.67522	0.00114	TRUE	0.063510635	TRUE	0.25421229	FALSE
Chr7	112226719	11222818	Chr7.89374	0.00004	TRUE	7.76E-05	TRUE	0.254157671	FALSE
Chr7	114020274	114020496	Chr7.91362	0	TRUE	7.82E-07	TRUE	0.132310792	FALSE
Chr7	132912172	132912335	Chr7.114351	0	TRUE	1.58E-07	TRUE	0.129413033	FALSE
Chr7	135877457	135877717	Chr7.117747	0.00009	TRUE	5.24E-05	TRUE	0.81325417	FALSE
Chr7	136081770	136081940	Chr7.118111	0.00253	TRUE	0.014852437	TRUE	0.666167294	FALSE
Chr7	136849568	136849105	Chr7.119426	0	TRUE	3.54E-06	TRUE	0.038619889	FALSE
Chr7	137209847	137210204	Chr7.120016	0.00023	TRUE	0.002991344	TRUE	0.91175452	FALSE
Chr7	137269777	137269937	Chr7.120257	0.00004	TRUE	0.000448806	TRUE	0.362667202	FALSE
Chr7	137320021	137301236	Chr7.120298	0.00001	TRUE	2.70E-05	TRUE	0.541425793	FALSE
Chr7	136390567	136390707	Chr7.121317	0.00304	TRUE	0.01028104	TRUE	0.253331197	FALSE
Chr8	11558006	11558130	Chr8.7985	0.00003	TRUE	0.003961681	TRUE	0.057213329	FALSE
Chr8	11626688	11626828	Chr8.8178	0.00182	TRUE	0.009864608	TRUE	0.140857179	FALSE
Chr8	23676978	23677012	Chr8.14946	0.00001	TRUE	1.98E-05	TRUE	0.484177332	FALSE
Chr8	44959520	44959697	Chr8.32137	0.00243	TRUE	0.004569182	TRUE	0.800726405	FALSE
Chr8	45627873	45628020	Chr8.33399	0.00002	TRUE	0.000138209	TRUE	0.278191079	FALSE
Chr8	48097730	48098360	Chr8.36049	0	TRUE	7.50E-11	TRUE	0.224264163	FALSE
Chr8	48921253	48921374	Chr8.37851	0.00066	TRUE	0.025831847	TRUE	0.53740533	FALSE
Chr8	49461987	49462340	Chr8.38907	0	TRUE	1.57E-06	TRUE	0.288932168	FALSE
Chr8	64206740	64206933	Chr8.48394	0.00001	TRUE	5.58E-05	TRUE	0.174748498	FALSE
Chr8	65037079	65037182	Chr8.49030	0.00001	TRUE	0.001060769	TRUE	0.064197246	FALSE
Chr8	65037402	65037587	Chr8.49034	0.00001	TRUE	0.000153868	TRUE	0.251979597	FALSE
Chr8	80622770	80623004	Chr8.63392	0	TRUE	1.02E-09	TRUE	0.099000541	FALSE
Chr8	81158084	811581221	Chr8.63664	0	TRUE	7.83E-07	TRUE	0.04545181	FALSE
Chr8	81358720	81358945	Chr8.63673	0.00001	TRUE	0.001182672	TRUE	0.081371774	FALSE
Chr8	82931775	82931960	Chr8.64574	0	TRUE	0.072858888	TRUE	0.235026692	FALSE
Chr8	85365399	85365509	Chr8.68647	0.00231	TRUE	0.00213433	TRUE	0.555260214	FALSE
Chr8	91633793	91633793	Chr8.76287	0.00156	TRUE	0.000128519	TRUE	0.72636293	FALSE
Chr8	91750133	91750475	Chr8.76577	0	TRUE	3.23E-06	TRUE	0.08534111	FALSE
Chr8	92403986	92440122	Chr8.77816	0.00041	TRUE	0.002025349	TRUE	0.264256496	FALSE
Chr8	96079828	96080027	Chr8.82665	0.00009	TRUE	0.002096973	TRUE	0.57996537	FALSE
Chr8	97389456	97389736	Chr8.83837	0	TRUE	3.56E-07	TRUE	0.250449667	FALSE
Chr8	103378903	103379037	Chr8.88959	0.00001	TRUE	0.000205406	TRUE	0.268542131	FALSE
Chr8	103463571	103463670	Chr8.89080	0.00002	TRUE	0.011655996	TRUE	0.030263402	FALSE
Chr8	103810677	103810848	Chr8.89394	0.00017	TRUE	0.001262679	TRUE	0.546665562	FALSE
Chr8	103874516	103874670	Chr8.89472	0	TRUE	6.37E-05	TRUE	0.190507788	FALSE
Chr8	103913673	103913686	Chr8.89514	0	TRUE	1.83E-05	TRUE	0.172050159	FALSE
Chr8	103938727	103938920	Chr8.89542	0	TRUE	3.68E-06	TRUE	0.091043591	FALSE
Chr8	107436905	107437054	Chr8.95988	0.00042	TRUE	0.017103865	TRUE	0.362373214	FALSE
Chr8	108361413	108361633	Chr8.97787	0.00029	TRUE	0.001703861	TRUE	0.403525333	FALSE
Chr8	108841950	108842322	Chr8.98403	0	TRUE	1.47E-05	TRUE	0.139349043	FALSE
Chr8	108713696	108713874	Chr8.98588	0.0009	TRUE	0.000236028	TRUE	0.780514463	FALSE
Chr8	108838211	108838369	Chr8.98882	0	TRUE	0.021743119	TRUE	0.201595328</	

Supplemental Table S7: Thylacine-wolf accelerated regions (TWARs)

Mouse chromosome	Alignment Start position (in reference)	Alignment End position (in reference)	Subalignment ID	TWAR ID	Convergent Selection	GREAT Gene-Region Associations (Distances to primary TSS)	VISTA Enhancer IDs
Chr1	51697227	51697227	Chr1.3268	TWAR3.Chr1	TRUE	Nkap5(+13026),Nkap5(+13023)	
Chr1	51997439	51997439	Chr1.32975	TWAR4.Chr1	TRUE	Gm8420(-56126),Stat4(-10857)	
Chr1	53063379	53063582	Chr1.33895	TWAR5.Chr1	TRUE	Mafn(+1818),1700019a02nk(+124136)	
Chr1	62648064	62648175	Chr1.46488	TWAR7.Chr1	TRUE	Nrp2(-55582)	
Chr1	62785986	62786099	Chr1.47069	TWAR8.Chr1	TRUE	Nrp2(+82341),mo80d(+328224)	
Chr1	69106186	69106186	Chr1.54419	TWAR9.Chr1	TRUE	Edrb(+1967)	
Chr1	120195790	120195926	Chr1.93204	TWAR10.Chr1	TRUE	311009a18rk(+74663),Sheap3(+75224)	
Chr1	126830300	126830672	Chr1.98570	TWAR11.Chr1	TRUE	Nkap5(+146)	
Chr1	134342399	134342500	Chr1.108960	TWAR13.Chr1	TRUE	Pp1a4(-9522),Tmem183a(+19549)	
Chr1	134995547	134995693	Chr1.109874	TWAR14.Chr1	TRUE	Ube2n(+33055),Lgr6(+109656)	
Chr1	135603163	135603400	Chr1.111093	TWAR15.Chr1	TRUE	Nav1(+17927),Nav1(+146823)	
Chr1	178569133	178569364	Chr1.149104	TWAR19.Chr1	TRUE	Kl26b(+40124),Smyd3(+948785)	
Chr1	190259755	190259880	Chr1.163834	TWAR21.Chr1	TRUE	Prox1(-89138),Rps6kc1(+651952)	
Chr10	42952200	42952412	Chr10.35594	TWAR5.Chr10	TRUE	Scm4(+91936),Sobp(+222224)	
Chr10	68148287	68148414	Chr10.56916	TWAR8.Chr10	TRUE	And5b(+130376),Rkn2(+168752)	
Chr10	87652331	87652763	Chr10.72272	TWAR5.Chr10	TRUE	Igf1(-207463),Pah1(+130752)	
Chr10	109684722	109684940	Chr10.87905	TWAR14.Chr10	TRUE	Sytl(-673856),Nav3(+315388)	
Chr10	127730841	127731020	Chr10.116106	TWAR19.Chr10	TRUE	Zbtb39(-8607),Tac2(+6453)	
Chr10	128149635	128149786	Chr10.117059	TWAR20.Chr10	TRUE	Rbms2(+26857),Baz2a(+56928)	
Chr11	20742711	20742821	Chr11.13079	TWAR3.Chr11	TRUE	Atph(-1177)	
Chr11	44825902	44826145	Chr11.39822	TWAR5.Chr11	TRUE	Ezfl(+208707)	
Chr11	68691764	68691988	Chr11.66531	TWAR7.Chr11	TRUE	Myh10(-39)	
Chr11	68693659	68693923	Chr11.66542	TWAR8.Chr11	TRUE	Myh10(+1876),Ndel1(+159344)	
Chr11	69919603	69919923	Chr11.70420	TWAR10.Chr11	TRUE	Elfa5(+1623),Gps2(+5875)	
Chr11	88497883	88497991	Chr11.98486	TWAR11.Chr11	TRUE	Ccdc182(+203894),Maz2(+220164)	
Chr11	103816046	103816159	Chr11.125745	TWAR13.Chr11	TRUE	Wnt3(+1953),Nsf1(+137953)	
Chr11	111828447	111828618	Chr11.135606	TWAR15.Chr11	TRUE	Gm1167b(+603103),Kozq2(+762369)	
Chr12	17390190	17390394	Chr12.13000	TWAR1.Chr12	TRUE	Odc1(-154581),Nol10(+41834)	
Chr12	44338527	44338692	Chr12.29858	TWAR4.Chr12	TRUE	Nrcam(+9725),Stxbp6(+735502)	
Chr12	73909278	73909426	Chr12.55730	TWAR5.Chr12	TRUE	Snappc1(-35178),Hfr1a(+1448)	
Chr12	101817385	101817845	Chr12.76286	TWAR6.Chr12	TRUE	T2m(-98982),Pah1(+130752)	
Chr13	28739892	28740137	Chr13.17267	TWAR9.Chr13	TRUE	Sox4(+213698),Prl5a1(+597531)	
Chr13	31971405	31971674	Chr13.20312	TWAR6.Chr13	TRUE	Foxc1(+164894),Gmds(+367172)	
Chr13	32411592	32411735	Chr13.20854	TWAR9.Chr13	TRUE	Gmds(-72952),Myk4(+370115)	
Chr13	32649620	32649792	Chr13.21158	TWAR10.Chr13	TRUE	Gmds(-310994),Myk4(+132073)	
Chr13	78181221	78181535	Chr13.57893	TWAR13.Chr13	TRUE	Wt1(+18379),Pou5f2(+158465)	
Chr13	93303401	93303793	Chr13.71060	TWAR13.Chr13	TRUE	Homer1(-4437)	
Chr13	94159135	94159286	Chr13.71855	TWAR14.Chr13	TRUE	Lhfp12(+101415),Scamp1(+126618)	
Chr13	97514610	97514825	Chr13.75104	TWAR18.Chr13	TRUE	Gm10260(+245870),Enc1(+273613)	
Chr13	97791984	97792209	Chr13.75460	TWAR21.Chr13	TRUE	Gm10260(-31509),Ahpge28(+414068)	
Chr13	98492856	98492856	Chr13.76286	TWAR22.Chr13	TRUE	Foxd1(+138492),Tmem174(+144673)	
Chr13	98546107	98546377	Chr13.76364	TWAR23.Chr13	TRUE	Tmem174(+91168),Foxd1(+191957)	
Chr13	104110283	104110467	Chr13.82464	TWAR27.Chr13	TRUE	Nlin(-767),Sgltb(+634)	
Chr13	107953637	107953956	Chr13.85794	TWAR30.Chr13	TRUE	Smm15(-92627),Zawim6(-63733)	
Chr14	29707552	29707778	Chr14.25191	TWAR1.Chr14	TRUE	Cacna2d3(+14199),Lrm1(+689457)	
Chr14	50807597	50807768	Chr14.41931	TWAR1.Chr14	TRUE	Parp2(-353)	
Chr14	51986347	51986347	Chr14.42695	TWAR5.Chr14	TRUE	Tmem253(-30568),Ahrge40(+1459)	
Chr14	62027919	62028029	Chr14.53343	TWAR10.Chr14	TRUE	Dleu7(+265005),Kcnqr1(+420492)	
Chr14	62416345	62416566	Chr14.53728	TWAR11.Chr14	TRUE	Gucy1b2(+39833),Rnaseh2b(+84388)	
Chr15	25623736	25623843	Chr15.14350	TWAR1.Chr15	TRUE	Retnfg1(-219474),Myo10(+1265)	
Chr15	27788357	27788524	Chr15.16311	TWAR5.Chr15	TRUE	Chuh1(-106899),Tnc(+237407)	
Chr15	32944006	32944270	Chr15.19567	TWAR4.Chr15	TRUE	Cpq1(-138991),Sdc2(+23415)	
Chr15	76452581	76452756	Chr15.54212	TWAR6.Chr15	TRUE	Soc(-4769)	
Chr15	99316741	99316934	Chr15.80512	TWAR8.Chr15	TRUE	Prpf40b(+21567),Fmn13(+53644)	
Chr15	103093856	103094032	Chr15.88735	TWAR9.Chr15	TRUE	Hoxc4(-59549),Smug1(+64058)	
Chr15	103383090	103383271	Chr15.89549	TWAR1.Chr15	TRUE	Egfr(-16413),Gatf1(+47294)	
Chr16	29683481	29683697	Chr16.25674	TWAR2.Chr16	TRUE	Hes1(-381751),Opa1(+104209)	
Chr16	30055979	30056186	Chr16.25986	TWAR4.Chr16	TRUE	Hes1(-9257),Opa1(+476703)	
Chr16	30060432	30060599	Chr16.25994	TWAR5.Chr16	TRUE	Hes1(-4824)	
Chr16	34994704	34994955	Chr16.30884	TWAR7.Chr16	TRUE	Hacc2(-27591),Myrk(+209909)	
Chr16	52454036	52454141	Chr16.49474	TWAR1.Chr16	TRUE	Alcam1(-15)	
Chr16	74065984	74066191	Chr16.66941	TWAR14.Chr16	TRUE	Robo2(+344901)	
Chr17	29883441	29883658	Chr17.24205	TWAR1.Chr17	TRUE	Ccdc167(-166541),Mdge1(+4332)	
Chr17	62862983	62863085	Chr17.57805	TWAR3.Chr17	TRUE	Elna5(-256327),Elna5(+18283)	
Chr17	75235588	75235748	Chr17.69769	TWAR10.Chr17	TRUE	Rasgrip3(-200237),Lbp1(+230100)	
Chr17	85991395	85991541	Chr17.80268	TWAR11.Chr17	TRUE	Six2(-303194),Sox1(+153707)	
Chr18	6516831	6516982	Chr18.2519	TWAR1.Chr18	TRUE	492152421(Nk(-86726),Epc1(-26051)	
Chr18	34136991	34137242	Chr18.26835	TWAR2.Chr18	TRUE	Epb414a(-129911),Apc(-83867)	
Chr18	38666193	38666300	Chr18.39972	TWAR3.Chr18	TRUE	9630014m24nk(+64713),Fgfr1(+252524)	
Chr18	43421829	43422026	Chr18.45086	TWAR4.Chr18	TRUE	Dysp3(-28551),Efr32(+55908)	
Chr18	145174761	145174987	Chr18.45957	TWAR5.Chr18	TRUE	Dp3b(+194374),Mx1(+237308)	
Chr18	47565560	47565796	Chr18.48330	TWAR9.Chr18	TRUE	Eno1b(-459612),Semaf4(-216893)	
Chr18	53361250	53361437	Chr18.52244	TWAR7.Chr18	TRUE	Ppic(+56663),Snx24(+115682)	
Chr18	54092256	54092531	Chr18.53126	TWAR8.Chr18	TRUE	Cank1g3(+230281),Zfp608(+897786)	
Chr18	54891617	54892013	Chr18.53890	TWAR9.Chr18	TRUE	Zfp608(-299365),Cank1g3(+829702)	
Chr18	54848829	54847336	Chr18.54162	TWAR10.Chr18	TRUE	Zfp608(+143097),Cank1g3(+984970)	
Chr18	56431964	56432073	Chr18.56142	TWAR11.Chr18	TRUE	Granz3(-113)	
Chr18	65581780	65581934	Chr18.65764	TWAR12.Chr18	TRUE	Oacyl(-116411),Zfp532(+1627)	
Chr18	73163882	73164107	Chr18.73113	TWAR14.Chr18	TRUE	Dcc1(-812926),Mex3c(-409049)	
Chr18	75398522	75398708	Chr18.74886	TWAR15.Chr18	TRUE	Smad7(-31088),Ctlf(+29901)	
Chr18	75510985	75511223	Chr18.75042	TWAR15.Chr18	TRUE	Smad7(-143575),Ctlf(+186592)	
Chr19	28302907	28303110	Chr19.30565	TWAR3.Chr19	TRUE	Gli3(-2631)	
Chr19	42593617	42593863	Chr19.44320	TWAR6.Chr19	TRUE	Lox4(+19073),R3hcc1(+74981)	
Chr2	35662492	35662630	Chr2.37490	TWAR1.Chr2	TRUE	Dab2ip(+40524),Tb11(+317063)	
Chr2	44558398	44558591	Chr2.46521	TWAR2.Chr2	TRUE	Gdcd(-303127),Ahpge15(+809625)	
Chr2	49730862	49731054	Chr2.52076	TWAR4.Chr2	TRUE	Acrv2a(-63151)	
Chr2	48815300	48815510	Chr2.52202	TWAR5.Chr2	TRUE	Acrv2a(-1296),Orc4(+133871)	
Chr2	48815619	48815746	Chr2.52203	TWAR6.Chr2	TRUE	Acrv2a(+1574),Orc4(+133939)	
Chr2	51099825	51100151	Chr2.54593	TWAR8.Chr2	TRUE	Mmadhc(-803271),Rnd3(+49123)	
Chr2	51265018	51265159	Chr2.54868	TWAR9.Chr2	TRUE	Taz3134(-34422),Rnd3(-135978)	
Chr2	51531510	51531817	Chr2.55044	TWAR1.Chr2	TRUE	Rnd3(-38253),Taz2134(-95847)	
Chr2	53037006	53037130	Chr2.57166	TWAR16.Chr2	TRUE	Prpf40a(+154157),Fmn2(+179200)	
Chr2	57114217	57114346	Chr2.59692	TWAR18.Chr2	TRUE	Nr4a2(+756)	
Chr2	64822785	64823213	Chr2.69120	TWAR22.Chr2	TRUE	Fign(-724987),Grb14(+199783)	
Chr2	65237645	65237788	Chr2.69715	TWAR23.Chr2	TRUE	Cobf1(+909)	
Chr2	65931850	65932224	Chr2.70546	TWAR24.Chr2	TRUE	Camp3(-66370),Gaint3(+192957)	
Chr2	66177997	66178217	Chr2.70888	TWAR25.Chr2	TRUE	Gaint3(-53113),Tic21b(+78510)	
Chr2	66178249	66178605	Chr2.70891	TWAR26.Chr2	TRUE	Gaint3(-53433),Tic21b(+78190)	
Chr2	70453265	70453401	Chr2.75884	TWAR27.Chr2	TRUE	Sp5(-21590),Myo3b(+414207)	
Chr2	74974653	74975319	Chr2.82938	TWAR30.Chr2	TRUE	Hmnpa3(-684275),Mx2(+149183)	
Chr2	80398594	80399137	Chr2.91612	TWAR31.Chr2	TRUE	Fzd3(+48759),Dnaje10(+83400)	
Chr2	80763398	80763500	Chr2.91937	TWAR34.Chr2	TRUE	Nup35(+124628)	
Chr2	94247378	94247483	Chr2.106219	TWAR35.Chr2	TRUE	Hsd17b12(-89467),Tic17(+159258)	
Chr2	101599720	101599904	Chr2.110281	TWAR37.Chr2	TRUE	Rag2(-24906)	
Chr2	102820361	102820483	Chr2.111928	TWAR38.Chr2	TRUE	Cd44(+81203),Sic1a2(+161763)	
Chr2	103720688	103720792	Chr2.113139	TWAR39.Chr2	TRUE	Natf1(+40530),Abn2(+154430)	
Chr2	106462090	106462595	Chr2.116714	TWAR40.Chr2	TRUE	Dnajc24(-458879),Mpped2(-230841)	
Chr2	113575979	113576484	Chr2.122746	TWAR42.Chr2	TRUE	Grem1(+182414),Fmn1(+248450)	
Chr2	115326983	115327207	Chr2.125330	TWAR43.Chr2	TRUE	Dph6(-672131),Bc052040(-254621)	
Chr2	120048261	120048472	Chr2.133303	TWAR44.Chr2	TRUE	Sptbn5(+9130),Pla2g4b(+14934)	
Chr2	120048613	120048815	Chr2.133314	TWAR45.Chr2	TRUE	Sptbn5(+8763),Pla2g4b(+15281)	
Chr2	120059349	120059535	Chr2.133402	TWAR46.Chr2	TRUE	Sptbn5(-1945)	
Chr2	129260307	129260465	Chr2.146279	TWAR47.Chr2	TRUE	Ckap2(+36826),Slc20a1(+516122)	
Chr2	181458084	181458269	Chr2.200834	TWAR48.Chr2	TRUE	Zbtb46(+1249),Lime1(+76942)	
Chr3	21582828	21584644	Chr3.10899	TWAR3.Chr3	TRUE	Tb1xrt1(-518306)	
Chr3	217421455	21742277	Chr3.11008	TWAR4.Chr3	TRUE	Tb1xrt1(-334381)	
Chr3	21925024	21925852	Chr3.11158	TWAR6.Chr3	TRUE	Tb1xrt1(-123974)	
Chr3	51157078	51157357	Chr3.34534	TWAR10.Chr3	TRUE	Slc7a11(-713605),Noc1(-67229)	
Chr3	52007783	52007967	Chr3.35550	TWAR11.Chr3	TRUE	Mam3(+97016),Gm10729(+314104)	
Chr3	53705887	53706044	Chr3.37599	TWAR14.Chr3	TRUE	Gm10985(-139120),Frem2(-48611)	
Chr3	57848831	57848957	Chr3.40960	TWAR16.Chr3	TRUE	Prn2(-670)	
Chr3	68572145	68572737	Chr3.49520	TWAR16.Chr3	TRUE	Ifi2a(-118383),Schip1(+507459)	
Chr3	73057475	73057573	Chr3.51874	TWAR17.Chr3	TRUE	Sllrk3(-581)	
Chr3	89653823	89653936	Chr3.67270	TWAR19.Chr3	TRUE	Adar(-78868),Kcnk3(+133716)	
Chr3	93588825	93588942	Chr3.69957	TWAR20.Chr3	TRUE	Tpoxa4(-227514),Slc10a10(+13804)	
Chr3	105710362	105710620	Chr3.86035	TWAR21.Chr3	TRUE	Sptbn5(-5862),Rag1a(+19089)	
Chr3	141467496	141467639	Chr3.117415	TWAR25.Chr3	TRUE	Unc5c(+2004),Bmpr1b(+514696)	

Chr5		48138811	48139282	Chr5.36444	TWAR2.Chr5	TRUE	<i>Paargl1(-233345),Slit2(+154254)</i>
Chr5		51552509	51552704	Chr5.39858	TWAR4.Chr5	TRUE	<i>Ppargc1a(+1314)</i>
Chr5		66937486	66937673	Chr5.52763	TWAR2.Chr5	TRUE	<i>Phox2b(-161715),Limch1(-191751)</i>
Chr5		66969570	66969692	Chr5.52812	TWAR5.Chr5	TRUE	<i>Phox2b(+129670),Limch1(+23796)</i>
Chr5		66993120	66993422	Chr5.52908	TWAR10.Chr5	TRUE	<i>Phox2b(+106030),Limch1(+247436)</i>
Chr5		74161536	74161724	Chr5.57990	TWAR11.Chr5	TRUE	<i>Usp46(-93200),Rasl11b(-3366)</i>
Chr5		74161882	74161995	Chr5.57997	TWAR12.Chr5	TRUE	<i>Usp46(-93509),Rasl11b(-33357)</i>
Chr5		107253434	107253434	Chr5.84867	TWAR14.Chr5	TRUE	<i>Tgbr3(+68311),Cdc7(+238757)</i>
Chr5		119742094	119742793	Chr5.100612	TWAR15.Chr5	TRUE	<i>Tbx5(-91919),Tbx3(-71726)</i>
Chr6		17530078	17530385	Chr6.13851	TWAR1.Chr6	TRUE	<i>Capza2(-106751),Mei(+66432)</i>
Chr6		21949252	21949387	Chr6.16757	TWAR6.Chr6	TRUE	<i>Ing3(-251)</i>
Chr6		22280487	22280877	Chr6.17277	TWAR7.Chr6	TRUE	<i>Wnt1b(-7548),Cpep1(+294766)</i>
Chr6		28550634	28550955	Chr6.22238	TWAR6.Chr6	TRUE	<i>Shf1(+10445),Lrrc4(+260954)</i>
Chr6		86109571	86109737	Chr6.70423	TWAR13.Chr6	TRUE	<i>Pgk1(-8597),Acs2(+31570)</i>
Chr6		87331028	87331326	Chr6.71696	TWAR14.Chr6	TRUE	<i>Antxr1(+4598),Ddrtd527(+226351)</i>
Chr6		91349587	91349992	Chr6.75068	TWAR15.Chr6	TRUE	<i>Wnt7a(+61573),Fbln2(+137335)</i>
Chr6		120592356	120592594	Chr6.105389	TWAR16.Chr6	TRUE	<i>Cecr2(-73946),Hdh5(-61156)</i>
Chr7		114181487	114181702	Chr7.91496	TWAR2.Chr7	TRUE	<i>Rras2(-53819),Ccp1(+73060)</i>
Chr7		115485896	115489159	Chr7.92890	TWAR6.Chr7	TRUE	<i>Rps4p(-581147),Sox6(+506213)</i>
Chr7		136059923	136060342	Chr7.118061	TWAR7.Chr7	TRUE	<i>Mgmt(-834478),Mx67(-343754)</i>
Chr8		82027625	82027833	Chr8.64153	TWAR1.Chr8	TRUE	<i>Inpp4b(+312529),R15(+375493)</i>
Chr8		83166679	83166679	Chr8.64717	TWAR2.Chr8	TRUE	<i>Tctd9(+763)</i>
Chr8		102780891	102781222	Chr8.88243	TWAR2.Chr8	TRUE	<i>Cdh11(-4054)</i>
Chr8		108224904	108235165	Chr8.97481	TWAR7.Chr8	TRUE	<i>Pamr7(-646553),Zfx3(-479609)</i>
Chr9		7960998	7961242	Chr9.2482	TWAR1.Chr9	TRUE	<i>Birc3(-88096),Yap1(+43476)</i>
Chr9		14199927	14200260	Chr9.5893	TWAR2.Chr9	TRUE	<i>Sezn3(-76207),Fam78b(+372378)</i>
Chr9		28084378	28084488	Chr9.18224	TWAR6.Chr9	TRUE	<i>Opcml(+293486)</i>
Chr9		30150284	30150463	Chr9.21107	TWAR4.Chr9	TRUE	<i>Snr19(-27855),Nhm(-97245)</i>
Chr9		55424063	55424263	Chr9.58969	TWAR6.Chr9	TRUE	<i>Slfx(-88080),Tmem265(+187214)</i>
Chr9		56418786	56418962	Chr9.54606	TWAR7.Chr9	TRUE	<i>Peak1(-624),Hmg20a(+230)</i>
Chr9		59189351	59189570	Chr9.58642	TWAR9.Chr9	TRUE	<i>Adpgk(-102111),Gm7589(-43251)</i>
Chr9		91003942	91004095	Chr9.90298	TWAR11.Chr9	TRUE	<i>Tctd2b(-733250),Zc1(+361749)</i>
Chr9		102194241	102194383	Chr9.96966	TWAR12.Chr9	TRUE	<i>Ephb1(+160381),963004(a049k(+255831)</i>
Chr9		51267168	51267533	Chr9.131996	TWAR1.Chr9	FALSE	<i>Cavin2(-2175),Tmem2(-339832)</i>
Chr1		51290554	51291123	Chr1.32051	TWAR2.Chr1	FALSE	<i>Cavin2(-1713),Nabp1(+187560)</i>
Chr1		57083221	57083395	Chr1.38233	TWAR6.Chr1	FALSE	<i>1700066m21nk(-294312),Satb2(-111450)</i>
Chr1		132881525	132881703	Chr1.106459	TWAR12.Chr1	FALSE	<i>Lrm2(+1341),Mdm4(+143734)</i>
Chr1		169459554	169459524	Chr1.140883	TWAR12.Chr1	FALSE	<i>Nufl(+72310)</i>
Chr1		172059838	172059298	Chr1.143328	TWAR17.Chr1	FALSE	<i>Nhlh1(-1530)</i>
Chr1		173398936	173399053	Chr1.145363	TWAR18.Chr1	FALSE	<i>Cadm3(-22250),R214(+146012)</i>
Chr1		182018291	182018638	Chr1.152925	TWAR20.Chr1	FALSE	<i>Lbr(-176064),Enah(+1515)</i>
Chr10		23449226	23449806	Chr10.18343	TWAR1.Chr10	FALSE	<i>Eyab(-99621),Rps12(+337678)</i>
Chr10		36989143	36989376	Chr10.30023	TWAR2.Chr10	FALSE	<i>Hbac2(-76284),H3355(+391441)</i>
Chr10		39629894	39630135	Chr10.32059	TWAR1.Chr10	FALSE	<i>Rev3(-102108),TatSnp2(+17078)</i>
Chr10		42555917	42556139	Chr10.35178	TWAR4.Chr10	FALSE	<i>Nr2e1(+27604),Smx3(+53997)</i>
Chr10		42972209	42972386	Chr10.35646	TWAR6.Chr10	FALSE	<i>Scml4(+111928),Sobp(+202232)</i>
Chr10		43478035	43478194	Chr10.36490	TWAR7.Chr10	FALSE	<i>Bend3(-1025)</i>
Chr10		89256772	89256892	Chr10.79266	TWAR10.Chr10	FALSE	<i>Ankr4(+858)</i>
Chr10		91628740	91628918	Chr10.81876	TWAR1.Chr10	FALSE	<i>Tpm1(-67247)</i>
Chr10		103031012	103031217	Chr10.92821	TWAR12.Chr10	FALSE	<i>Alix1(-2064)</i>
Chr10		103031407	103031619	Chr10.92824	TWAR13.Chr10	FALSE	<i>Alix1(-2462)</i>
Chr10		11586613	115866728	Chr10.103113	TWAR15.Chr10	FALSE	<i>Lgr5(+1109),A930009a15nk(+16685)</i>
Chr10		118641282	118641487	Chr10.105621	TWAR16.Chr10	FALSE	<i>49324426b5nk(-216441),Rng(+200338)</i>
Chr10		120391833	120392081	Chr10.107772	TWAR17.Chr10	FALSE	<i>Hmg2(+84512),Lip1(-164887)</i>
Chr10		120872015	120872364	Chr10.108640	TWAR18.Chr10	FALSE	<i>Mrb3(+26911),492151303nk(+106416)</i>
Chr11		17083931	17084279	Chr11.8126	TWAR1.Chr11	FALSE	<i>Ppp3r1(-75158),Cnrip1(+32287)</i>
Chr11		20053406	20053614	Chr11.12387	TWAR2.Chr11	FALSE	<i>Actr2(+59403),Spre2(+129068)</i>
Chr11		28373133	29373316	Chr11.22099	TWAR2.Chr11	FALSE	<i>Cdc88a(-433)</i>
Chr11		69374818	69374996	Chr11.62559	TWAR6.Chr11	FALSE	<i>Myoc(-53618),Map2k4(+53490)</i>
Chr11		69370831	69370954	Chr11.68340	TWAR9.Chr11	FALSE	<i>Chd3(-1487)</i>
Chr11		94327876	94328014	Chr11.104422	TWAR12.Chr11	FALSE	<i>Ankrd40(-56)</i>
Chr11		108891290	108891453	Chr11.131875	TWAR14.Chr11	FALSE	<i>Axin2(-28977),Cep112(+466106)</i>
Chr11		112781547	112781676	Chr11.137218	TWAR14.Chr11	FALSE	<i>Sox9(-612)</i>
Chr12		25235574	25235815	Chr12.14654	TWAR2.Chr12	FALSE	<i>Id2(-139603)</i>
Chr12		33303316	33303459	Chr12.20192	TWAR3.Chr12	FALSE	<i>Atxn7l1(+873)</i>
Chr12		85287765	85288056	Chr12.70085	TWAR6.Chr12	FALSE	<i>Zc2hc1c(-680)</i>
Chr12		99564116	99564339	Chr12.84486	TWAR7.Chr12	FALSE	<i>Foxn3(-171156),Efcab11(+319214)</i>
Chr13		3863287	38633390	Chr13.402	TWAR1.Chr13	FALSE	<i>Netf1(-24681),Calm5(+39071)</i>
Chr13		17191044	17191258	Chr13.9320	TWAR2.Chr13	FALSE	<i>Sugt(+93581)</i>
Chr13		28718357	28718484	Chr13.17219	TWAR5.Chr13	FALSE	<i>Sox4(+235292),Prf5a1(+575937)</i>
Chr13		31619054	31619220	Chr13.19908	TWAR5.Chr13	FALSE	<i>A530084c08nk(-59804),Foxf2(-6679)</i>
Chr13		31992427	31992822	Chr13.20339	TWAR7.Chr13	FALSE	<i>Foxc1(+188979),Gmds(+346087)</i>
Chr13		32027377	32027557	Chr13.20419	TWAR8.Chr13	FALSE	<i>Foxc1(+220821),Gmds(+311245)</i>
Chr13		52960225	52960385	Chr13.20431	TWAR1.Chr13	FALSE	<i>Wf3(-756)</i>
Chr13		97507222	97251012	Chr13.74767	TWAR15.Chr13	FALSE	<i>Enc1(+9762),Gm10260(+509721)</i>
Chr13		97380428	97380587	Chr13.74937	TWAR16.Chr13	FALSE	<i>Enc1(+139403),Gm10260(+380080)</i>
Chr13		97434844	97434977	Chr13.74997	TWAR17.Chr13	FALSE	<i>Enc1(+193806),Gm10260(+325677)</i>
Chr13		97670826	97670962	Chr13.75320	TWAR18.Chr13	FALSE	<i>Gm10260(+83694),Enc1(+435789)</i>
Chr13		97781120	97781120	Chr13.75445	TWAR20.Chr13	FALSE	<i>Gm10260(+20457),Angptl8(+426120)</i>
Chr13		99447638	99447746	Chr13.77439	TWAR24.Chr13	FALSE	<i>Map1b(-68910),Mps27(+102060)</i>
Chr13		102031504	102031623	Chr13.80051	TWAR25.Chr13	FALSE	<i>Cd180(-661994),Plk3r1(-263347)</i>
Chr13		103921840	103921976	Chr13.82255	TWAR26.Chr13	FALSE	<i>Erbn(-1394)</i>
Chr13		104541759	104541866	Chr13.83023	TWAR28.Chr13	FALSE	<i>Adamts5(+253940),Cwc27(+275140)</i>
Chr13		104576240	104576625	Chr13.83077	TWAR29.Chr13	FALSE	<i>Cwc27(-240520),Adamts5(+268560)</i>
Chr13		108043430	108043955	Chr13.85919	TWAR31.Chr13	FALSE	<i>Smm15(-2731)</i>
Chr13		109260613	109260950	Chr13.86923	TWAR32.Chr13	FALSE	<i>Pde4d(-693327),Rps3a3(+590202)</i>
Chr14		33919209	33919490	Chr14.31703	TWAR2.Chr14	FALSE	<i>Gdf10(-4237)</i>
Chr14		51928600	51929909	Chr14.43057	TWAR6.Chr14	FALSE	<i>Arhgap40(-54983),Rnae13(-7082)</i>
Chr14		52170720	52170787	Chr14.43057	TWAR6.Chr14	FALSE	<i>Supf1(-6145)</i>
Chr14		52327511	52327866	Chr14.43353	TWAR7.Chr14	FALSE	<i>Mettl3(-22561),Sall2(+1073)</i>
Chr14		61438672	61438882	Chr14.52872	TWAR8.Chr14	FALSE	<i>Ebp1(-78332),Kpna3(+1170)</i>
Chr14		62003167	62003660	Chr14.53326	TWAR9.Chr14	FALSE	<i>Dleu7(-289565),Kcngr1(+395932)</i>
Chr14		67272822	67272989	Chr14.56709	TWAR12.Chr14	FALSE	<i>Ebf2(-93320),Gm687b(-41805)</i>
Chr14		75754579	75754693	Chr14.69052	TWAR13.Chr14	FALSE	<i>Gm6994(-67768),Gm15871(+224228)</i>
Chr15		25679143	25679423	Chr15.14384	TWAR2.Chr15	FALSE	<i>Retnrg1(-163981),Myo10(+56758)</i>
Chr15		51105743	51105951	Chr15.33128	TWAR5.Chr15	FALSE	<i>Trps1(-215806),Eif3h(+759634)</i>
Chr15		97990129	97990461	Chr15.77750	TWAR7.Chr15	FALSE	<i>Col2a1(+14400),Tmem106c(+26066)</i>
Chr15		103302794	103302983	Chr15.89227	TWAR10.Chr15	FALSE	<i>Gpr84(-7549),Ccp2(+129978)</i>
Chr15		103497844	103498030	Chr15.89787	TWAR12.Chr15	FALSE	<i>Pde1b(-53618),Nckap1(+44112)</i>
Chr16		21205650	21205751	Chr16.17700	TWAR1.Chr16	FALSE	<i>Ephb3(+946)</i>
Chr16		29688711	29688854	Chr16.25682	TWAR3.Chr16	FALSE	<i>Hes1(-376557),Opa1(+109403)</i>
Chr16		30501885	30502096	Chr16.26491	TWAR6.Chr16	FALSE	<i>Alp13a3(-113461),Tmem44(+48587)</i>
Chr16		50185266	50185687	Chr16.30981	TWAR9.Chr16	FALSE	<i>Aldy6(-48018),Hbac2(-84438)</i>
Chr16		50432636	50432903	Chr16.47783	TWAR10.Chr16	FALSE	<i>Bbx(-247003),C4orf(+329769)</i>
Chr16		62653890	62654003	Chr16.56922	TWAR12.Chr16	FALSE	<i>Nsun3(+132830)</i>
Chr16		64068769	64069715	Chr16.58347	TWAR13.Chr16	FALSE	<i>Epha3(-205084),Canka2p(+409906)</i>
Chr17		51535131	51535355	Chr17.48197	TWAR2.Chr17	FALSE	<i>Tctd5(-355694),Satb1(+297429)</i>
Chr17		62961271	62961719	Chr17.58009	TWAR2.Chr17	FALSE	<i>Etna5(-60178),Foxl17(+538522)</i>
Chr17		62962051	62962439	Chr17.58018	TWAR5.Chr17	FALSE	<i>Etna5(-80928),Foxl17(+537772)</i>
Chr17		62963129	62963429	Chr17.58023	TWAR6.Chr17	FALSE	<i>Etna5(-81962),Foxl17(+538738)</i>
Chr17		62968276	62968476	Chr17.58033	TWAR7.Chr17	FALSE	<i>Etna5(-87059),Foxl17(+531641)</i>
Chr17		63065171	63065394	Chr17.58084	TWAR9.Chr17	FALSE	<i>Etna5(-123966),Foxl17(+464734)</i>
Chr17		6406145	64063010	Chr17.59205	TWAR9.Chr17	FALSE	<i>Pde1b(-53618),Fmr1(-310210)</i>
Chr18		69613283	69613790	Chr18.69826	TWAR13.Chr18	FALSE	<i>Ccdc8(-311929),Tcf4(+269027)</i>
Chr19		23140646	23140778	Chr19.25209	TWAR1.Chr19	FALSE	<i>Klf9(-514)</i>
Chr19		26243958	26244317	Chr19.28540	TWAR2.Chr19	FALSE	<i>Smarca2(-360977),Dmr2(+571718)</i>
Chr19		32923103	32923296	Chr19.34599	TWAR4.Chr19	FALSE	<i>P3hctf1(-51033),Ctcf(-29943)</i>
Chr19		42461594	42461858	Chr19.44120	TWAR5.Chr19	FALSE	<i>Otdc1(-302056),Arhgap15(+810696)</i>
Chr2		44559226	44559905	Chr2.46524	TWAR3.Chr2	FALSE	<i>Mmadhc(-514143),Rnd3(+338251)</i>
Chr2		50810534	50811185	Chr2.54240	TWAR7.Chr2	FALSE	<i>Rnd3(-382177),Tas2r134(-96223)</i>
Chr2		51531199	51531376	Chr2.55039	TWAR10.Chr2	FALSE	<i>Ras2(-1334),Tf256f,Rbm43(+237296)</i>
Chr2		51697747	51697966	Chr2.55205	TWAR12.Chr2	FALSE	<i>Fmr1(-22878),Prp40a(+10381)</i>
Chr2		52889037	52889650	Chr2.57025	TWAR13.Chr2	FALSE	<i>Fmr1(-20455),Prp40a(+262902)</i>
Chr2		52928223	52928422	Chr2.57072	TWAR14.Chr2		

Chr3	52033721	52033928	Chr3.35585	TWAR12.Chr3	FALSE	<i>Mam13(+71066),Gm10729(+340054)</i>
Chr3	52033965	52034097	Chr3.35590	TWAR13.Chr3	FALSE	<i>Mam13(+70860),Gm10729(+340260)</i>
Chr3	87158412	87158567	Chr3.61585	TWAR18.Chr3	FALSE	<i>Cd111(-158049),Klrre1(+16257)</i>
Chr3	104962480	104962596	Chr3.84007	TWAR21.Chr3	FALSE	<i>Wnt2b(-829)</i>
Chr3	107333555	107333721	Chr3.86708	TWAR23.Chr3	FALSE	<i>Rbm15(-349)</i>
Chr3	108085425	108085532	Chr3.87852	TWAR24.Chr3	FALSE	<i>Gm12500(-497)</i>
Chr3	143743720	143743918	Chr3.121098	TWAR26.Chr3	FALSE	<i>Pkn2(-861815),Lmo4(+461401)</i>
Chr3	144107698	144107933	Chr3.121856	TWAR27.Chr3	FALSE	<i>Lmo4(+97454)</i>
Chr3	147181007	147181305	Chr3.126238	TWAR29.Chr3	FALSE	<i>Tlfr1(-328789)</i>
Chr3	154333195	154333546	Chr3.135720	TWAR31.Chr3	FALSE	<i>Lhx8(-2720)</i>
Chr3	154806726	154806973	Chr3.136324	TWAR33.Chr3	FALSE	<i>Ench3(+44693),Tnfr3k(+248557)</i>
Chr4	8689671	8689833	Chr4.3263	TWAR1.Chr4	FALSE	<i>Cdh7(-1613)</i>
Chr4	10787057	10787209	Chr4.5358	TWAR3.Chr4	FALSE	<i>261030(-6229nk(-87365),Cdrf(+942761)</i>
Chr4	13785833	13786015	Chr4.8590	TWAR5.Chr4	FALSE	<i>Runx11(+34827),Slc26a7(+835881)</i>
Chr4	32240292	32240788	Chr4.21115	TWAR6.Chr4	FALSE	<i>D13006Q21rk(-3193)</i>
Chr4	66482639	66482875	Chr4.52287	TWAR8.Chr4	FALSE	<i>Tlr4(-344827),Asth2(-78146)</i>
Chr4	70243661	70243848	Chr4.55261	TWAR9.Chr4	FALSE	<i>Cdk5rap2(+166688)</i>
Chr4	82173673	82173891	Chr4.63654	TWAR10.Chr4	FALSE	<i>Mpx1(-30975),Nfya(+331526)</i>
Chr4	108359789	108359910	Chr4.92646	TWAR11.Chr4	FALSE	<i>Shisa2a(+23509),Ccap7(+31700)</i>
Chr4	123663123	123663321	Chr4.107180	TWAR13.Chr4	FALSE	<i>Bmp8a(-319970),Macf1(+21138)</i>
Chr4	123663432	123663651	Chr4.107181	TWAR14.Chr4	FALSE	<i>Bmp8a(-320290),Macf1(+20818)</i>
Chr4	123951755	123952087	Chr4.107416	TWAR15.Chr4	FALSE	<i>Rragc(+34475),3100002h09nk(+658882)</i>
Chr4	124434517	124434764	Chr4.107914	TWAR16.Chr4	FALSE	<i>3100002h09nk(+176162),Rragc(+517195)</i>
Chr4	126104805	126104991	Chr4.110394	TWAR17.Chr4	FALSE	<i>Sik4(-941)</i>
Chr4	148171423	148171538	Chr4.136963	TWAR23.Chr4	FALSE	<i>Fbxo2(+10860),Dlap3(+116484)</i>
Chr4	149099761	149099915	Chr4.138838	TWAR25.Chr4	FALSE	<i>Dffa(-4308),Pex14(+38)</i>
Chr5	21733122	21733238	Chr5.13199	TWAR1.Chr5	FALSE	<i>Pmpcb(-3961)</i>
Chr5	48146021	48146294	Chr5.36459	TWAR3.Chr5	FALSE	<i>Pargl(-226234),Slk2(+161365)</i>
Chr5	66723069	66723362	Chr5.52441	TWAR5.Chr5	FALSE	<i>Limch1(-22619),Uchl1(+47118)</i>
Chr5	66834739	66834974	Chr5.52622	TWAR6.Chr5	FALSE	<i>Limch1(+89022),Phox2b(+264444)</i>
Chr5	66992547	66992710	Chr5.52902	TWAR9.Chr5	FALSE	<i>Phox2b(+106672),Limch1(+246794)</i>
Chr5	74215127	74215230	Chr5.58101	TWAR13.Chr5	FALSE	<i>Rasf11b(+19883),Scfz2(+316563)</i>
Chr6	17929953	17930353	Chr6.14363	TWAR2.Chr6	FALSE	<i>Wnt2(+100432),Sfr1(+180983)</i>
Chr6	17998875	17998878	Chr6.14480	TWAR3.Chr6	FALSE	<i>Wnt2(+31806),Sfr1(+249607)</i>
Chr6	21850653	21850854	Chr6.16692	TWAR4.Chr6	FALSE	<i>Tspan12(+17761),Kcnd2(+635251)</i>
Chr6	21864267	21864451	Chr6.16715	TWAR5.Chr6	FALSE	<i>Ing3(-85212),Tspan12(-11844)</i>
Chr6	23383213	23383320	Chr6.18269	TWAR8.Chr6	FALSE	<i>Foxf1(-135003),Rnf133(+267038)</i>
Chr6	47525976	47525919	Chr6.41974	TWAR10.Chr6	FALSE	<i>Ezh2(-69232),Cul1(+71478)</i>
Chr6	52797445	52797604	Chr6.49194	TWAR11.Chr6	FALSE	<i>Tax1bp1(+83796),Jazf1(+271106)</i>
Chr6	53663582	53663874	Chr6.50820	TWAR12.Chr6	FALSE	<i>Gm16499(-156247),Creb5(+90344)</i>
Chr6	136468377	136468678	Chr6.116860	TWAR17.Chr6	FALSE	<i>E330021d16nk(-66698),A87tp(-50323)</i>
Chr6	145340055	145340279	Chr6.125881	TWAR18.Chr6	FALSE	<i>Kras(-69928),Lmnbd1(+94758)</i>
Chr6	145958361	145958481	Chr6.126304	TWAR19.Chr6	FALSE	<i>Sgpn(+24299),Ipr2(+543678)</i>
Chr7	36714039	36714199	Chr7.22703	TWAR1.Chr7	FALSE	<i>Tshz3(+16001)</i>
Chr7	38120855	38121049	Chr7.24987	TWAR2.Chr7	FALSE	<i>1600014c10rk(-62265),Conef1(-13418)</i>
Chr7	46587205	46587676	Chr7.32802	TWAR3.Chr7	FALSE	<i>Sergef(+52366),Kcnc1(+189793)</i>
Chr7	49146177	49146411	Chr7.34516	TWAR4.Chr7	FALSE	<i>E2f8(-265253),Nav2(-99895)</i>
Chr7	137209847	137210204	Chr7.120016	TWAR5.Chr7	FALSE	<i>Ebf5(+104419),Mgml(+315415)</i>
Chr7	137300921	137301236	Chr7.120298	TWAR9.Chr7	FALSE	<i>Ebf5(+13366),Mgml(+406468)</i>
Chr8	97389456	97389736	Chr8.83837	TWAR3.Chr8	FALSE	<i>None</i>
Chr8	103874516	103874676	Chr8.89472	TWAR5.Chr8	FALSE	<i>Cdh5(-227029)</i>
Chr8	103938727	103938920	Chr8.89542	TWAR6.Chr8	FALSE	<i>Cdh5(-162801)</i>
Chr8	108641950	108642322	Chr8.98403	TWAR8.Chr8	FALSE	<i>Zfx3(-72508)</i>
Chr8	108838211	108838369	Chr8.98882	TWAR9.Chr8	FALSE	<i>Zfx3(+123646),4922502b01rk(+411818)</i>
Chr9	36941514	36941706	Chr9.28506	TWAR5.Chr9	FALSE	<i>Foxf1(+108922),Pknor2(+141669)</i>
Chr9	56606148	56606313	Chr9.54782	TWAR8.Chr9	FALSE	<i>Lingo1(+79022),Hmg20a(+187587)</i>
Chr9	61339363	61339568	Chr9.60949	TWAR10.Chr9	FALSE	<i>Gm9869(-501266),Gm10655(+32727)</i>

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Supplemental Table S8: GREAT enrichment analysis of TWAR-associated genes using pcICRE background

Ontology: GO Molecular Function										
Term Name	Hyper Rank	Hyper Raw P-Value	Hyper FDR Q-Val	Hyper Fold Enrichment	Hyper Foreground Region Hits	Hyper Total Regions	Hyper Region Set Coverage	Hyper Foreground Gene Hits	Total Genes Annotated	
actin binding	1	5.34E-07	0.00189244	3.422117	22	1449	0.1271876	17	17	338
clocklike/diel protein binding	2	1.06854E-05	0.01869009	2.492081	27	2442	0.1560894	24	24	632
actin filament binding	3	1.30365E-05	0.015161403	6.149423	9	316	0.05202312	6	76	76
protein complex binding	4	7.59296E-05	0.08522489	2.371518	24	2281	0.1387263	19	500	500
actin binding	5	0.000725344	0.087464794	7.862549	6	172	0.03466208	3	10	10
N-box binding	6	0.000162197	0.094317323	28.17413	3	24	0.01734104	1	1	1
spectrin binding	7	0.000181744	0.090588027	14.31067	4	63	0.02312139	2	1	1
inhibin binding	8	0.000596843	0.20832523	18.27511	3	37	0.01734104	1	3	3
DNA replication origin binding	11	0.000690328	0.272880526	45.07061	2	10	0.01156069	1	3	3
mannose-6-phosphate binding	13	0.001548429	0.15042068	8.122273	4	111	0.02312139	2	37	37
oxoaldehyde activity	14	0.001578766	0.393451041	2.080231	20	2167	0.1156069	17	774	774
hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	15	0.001622176	0.377118136	20.16274	20	2172	0.1156069	17	777	777
coreceptor activity	16	0.00165441	0.360704781	7.878516	4	113	0.02312139	2	16	16
hydrolase activity, acting on acid anhydrides	17	0.001702884	0.349491899	2.066878	20	2181	0.1156069	17	791	791
microfilament motor activity	18	0.001703816	0.331128635	12.7381	3	53	0.01734104	1	3	3
transforming growth factor beta-activated receptor activity	19	0.00200739	0.368620195	5.063142	5	199	0.02890173	3	15	15
nucleoside-triphosphatase activity	24	0.002410293	0.350396345	2.051073	19	2087	0.1098266	16	735	735
GDP-mannose 4,6-dehydrohydratase activity	27	0.002438495	0.315236965	11.26965	3	60	0.01734104	1	1	1
NADP+ binding	27	0.002438495	0.315236965	11.26965	3	60	0.01734104	1	1	1
GTPase activity	29	0.002507182	0.301639951	3.58611	7	411	0.04048243	5	208	208
Ontology: PANTHER Pathway										
Term Name	Hyper Rank	Hyper Raw P-Value	Hyper FDR Q-Val	Hyper Fold Enrichment	Hyper Foreground Region Hits	Hyper Total Regions	Hyper Region Set Coverage	Hyper Foreground Gene Hits	Total Genes Annotated	
Mannose metabolism	1	0.003627925	0.547816875	9.799988	3	69	0.01734104	1	5	5
Nicotinic acetylcholine receptor signaling pathway	2	0.01236131	0.933278905	4.507861	4	200	0.02312139	3	82	82
TGF-beta signaling pathway	3	0.0213971	1	2.344791	8	769	0.04624277	5	87	87
Ornithine degradation	4	0.03495034	1	28.17413	1	8	0.005780347	1	3	3
Synaptic vesicle trafficking	5	0.03983367	1	6.3491	2	71	0.01156069	2	25	25
Ontology: MSigDB Pathway										
Term Name	Hyper Rank	Hyper Raw P-Value	Hyper FDR Q-Val	Hyper Fold Enrichment	Hyper Foreground Region Hits	Hyper Total Regions	Hyper Region Set Coverage	Hyper Foreground Gene Hits	Total Genes Annotated	
Genes involved in Developmental Biology	1	1.33907E-05	0.017062346	2.275215	31	3071	0.1791908	21	373	373
Genes involved in Axon guidance	2	3.27787E-05	0.021617526	2.800687	20	1006	0.1156069	16	233	233
Genes involved in Interaction between L1 and Ankyrins	3	0.000413304	0.181715004	11.55862	4	78	0.02312139	2	20	20
Genes involved in NOTCH1 Intracellular Domain Regulates Transcription	4	0.000734046	0.242051701	4.173940	8	432	0.04624277	4	44	44
Genes involved in Cytoskeletal crosslinkation of mucins	5	0.000870075	0.229627076	9.490234	4	95	0.02312139	2	50	50
Genes involved in L1CAM interactions	6	0.001829973	0.402289064	3.813516	8	499	0.04624277	5	79	79
Genes involved in Signaling by BMP	7	0.002191899	0.413016397	4.553395	6	297	0.03466208	3	22	22
Lipoic acid metabolism	8	0.002637963	0.471157187	25.04387	2	18	0.01156069	1	18	18
alpha-Lipoic acid metabolism	9	0.003184573	0.468718665	23.72559	2	19	0.01156069	1	17	17
O-Glycan biosynthesis	10	0.003481423	0.459199694	9.943812	3	68	0.01734104	1	27	27
Genes involved in Signaling by NOTCH1	11	0.004193808	0.502875705	3.126351	8	572	0.04624277	4	67	67
Genes involved in E2F-enabled inhibition of pre-replication complex formation	12	0.004264579	0.468743008	20.49028	2	10	0.01156069	1	10	10
Genes involved in YAP1- and WWTR1 (TAC1)-stimulated gene expression	13	0.004674152	0.494538861	4.599858	5	245	0.02890173	3	23	23
Genes involved in Activation of the pre-replicative complex	14	0.005301739	0.499499553	8.55923	3	79	0.01734104	2	29	29
Genes involved in Activation of ATR in response to replication stress	15	0.005490569	0.482804034	8.45224	3	80	0.01734104	2	35	35
ALK1 signaling events	16	0.007174758	0.591468848	4.188482	5	269	0.02890173	2	26	26
Fructose and mannose metabolism	17	0.007836034	0.607894005	7.430541	3	91	0.01734104	1	33	33
Amino sugar and nucleotide sugar metabolism	18	0.008813979	0.645868794	7.117676	3	95	0.01734104	1	40	40
Genes involved in G2M Checkpoints	19	0.008813979	0.645868794	7.117676	3	95	0.01734104	2	41	41
Fanconi anemia pathway	20	0.009497588	0.626365929	4.873364	4	185	0.02312139	2	45	45
Ontology: MSigDB Perturbation										
Term Name	Hyper Rank	Hyper Raw P-Value	Hyper FDR Q-Val	Hyper Fold Enrichment	Hyper Foreground Region Hits	Hyper Total Regions	Hyper Region Set Coverage	Hyper Foreground Gene Hits	Total Genes Annotated	
Genes up-regulated in breast cancer tumors (formed by MCF-7 xenografts) resistant to tamoxifen (PubChem=5376).	1	4.6246E-05	0.15557151	2.206752	29	2962	0.1676301	21	502	502
Genes down-regulated in MDA-MB-231 cells (breast cancer, mutated TP53 (GeneID=7157)) undergoing mitotic arrest and apoptosis after treatment with 100 nM docetaxel (PubChem=148124).	2	4.98236E-05	0.083803211	12.86253	5	89	0.02890173	3	16	16
Cluster #1: genes down-regulated in W151 cells (fibroblast) at 6 h after irradiation with high dose UV-C.	3	5.84055E-05	0.06548845	12.24962	5	92	0.02890173	3	18	18
Genes up-regulated in anaplastic thyroid carcinoma (ATC) compared to normal thyroid tissue.	4	6.14123E-05	0.051647778	2.299929	26	2548	0.150289	21	643	643
Genes with high-CpG-density promoters (HCP) bearing histone H3 K27 trimethylation mark (H3K27me3) in embryonic stem cells (ES).	5	8.47155E-05	0.05699602	5.760845	8	313	0.04624277	6	36	36
Top 30 increased esrin/ezh1 specific transcripts	6	0.000108472	0.061377526	10.733	5	105	0.02890173	2	29	29
Genes down-regulated upon overexpression of PARVB (GeneID=29780) in MDA-MB-231 cells (breast cancer) cultured in 3D collagen I and 3D Matrigel only.	7	0.000135395	0.06506969	2.626864	20	1782	0.1156069	13	306	306
Genes up-regulated in cells that have been partially reprogrammed to pluripotency comparison with the parental lineage-committed cell lines, fully reprogrammed stem cells, and embryonic stem cells.	8	0.000148343	0.062387616	10.80219	5	112	0.02890173	2	10	10
Genes up-regulated in HEF cells (embryonic fibroblast) upon stimulation with TGFβ1 (GeneID=7040) for 1 h.	9	0.000177676	0.066411303	4.586778	9	444	0.05202312	5	34	34
Cluster 3: ECM related genes up-regulated in dermal fibroblasts within 30 min after TGFβ1 (GeneID=7040) addition, returned rapidly to basal level after that.	10	0.000455117	0.15310146	11.26965	4	80	0.02312139	2	13	13
Genes up-regulated in HEK293 cells (normal epithelial keratinocytes) after UVB irradiation.	11	0.000575481	0.175380878	2.470459	17	1551	0.0982659	12	497	497
Genes changed in the B cell chronic lymphocytic leukemia (B-CLL) with deletions in the 17p13 region.	12	0.000697449	0.195518259	17.33793	3	39	0.01734104	3	18	18
Top 50 up-regulated genes in cluster HP of multiple myeloma samples characterized by a hyperploidy signature.	13	0.000722704	0.187013481	7.125952	5	158	0.02890173	3	40	40
Genes up-regulated in 293 cells (embryonic kidney) upon expression of KSHV (Kaposi sarcoma-associated herpesvirus) microRNAs.	14	0.000740553	0.177343007	9.907387	4	91	0.02312139	2	7	7
"Spiked" genes: genes most highly up-regulated in multiple myeloma samples, were not differentially expressed as compared to the normal plasma cells.	15	0.000836306	0.187595004	9.591194	4	94	0.02312139	2	19	19
Genes down-regulated in OV-40 cells (ovarian cancer) exposed to ascites which inhibited invasion.	16	0.000864553	0.18172205	3.134417	10	791	0.06358382	10	130	130
Genes down-regulated in U87 cells (glioblastoma) at 12 h after inducing the expression of a mutated form of WT1 (GeneID=7490).	17	0.000963979	0.1547121	2.232597	15	1340	0.087052	9	195	195
Genes down-regulated in HEP3B cells (liver cancer) overexpressing ATP9 (GeneID=22809) off a plasmid vector.	18	0.001175634	0.219712932	8.753129	4	103	0.02312139	2	1	1
Genes down-regulated in hearts of E18.5 embryos upon knockout of VEGFA (GeneID=7422).	19	0.001703816	0.302461443	12.7381	3	53	0.01734104	1	5	5
Up-regulated by induction of exogenous BRCA1 in E6R-293 cells	20	0.00193972	0.326269004	2.830278	11	876	0.06358382	7	179	179

Terms pertaining to in-text discussion highlighted in red

Supplemental Table S9: TWARs top GO Molecular Function from GREAT analysis

Term Name	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage
actin binding	6.16E-09	1.07512E-05	4.458075	22	0.1271676
actinin binding	1.31E-07	7.64421E-05	26.85932	6	0.03468208
protein complex binding	2.03E-07	0.00010142	3.38739	24	0.1387283
actin filament binding	2.75E-07	0.000106658	10.46848	9	0.05202312
cytoskeletal protein binding	8.85E-07	0.000308615	2.861958	27	0.1560694
transcription regulatory region DNA binding	6.15905E-06	0.001652994	2.954624	22	0.1271676
regulatory region DNA binding	7.19081E-06	0.001792053	2.92542	22	0.1271676
N-box binding	0.000014283	0.003322226	66.91082	3	0.01734104
transforming growth factor beta-activated receptor activity	2.71419E-05	0.00591862	14.70685	5	0.02890173
spectrin binding	2.93881E-05	0.006031465	23.53905	4	0.02312139
GDP-mannose 4,6-dehydratase activity	4.01871E-05	0.007789605	47.17856	3	0.01734104
NADP+ binding	4.01871E-05	0.007789605	47.17856	3	0.01734104
inhibin binding	8.01912E-05	0.013989355	37.3203	3	0.01734104
transmembrane receptor protein kinase activity	8.59559E-05	0.014280955	4.544291	10	0.05780347
protein kinase activity	0.000158221	0.022081295	2.374799	22	0.1271676
coreceptor activity	0.000267815	0.029200237	13.20263	4	0.02312139
phosphotransferase activity, alcohol group as acceptor	0.000474758	0.04732658	2.144229	23	0.132948

Terms pertaining to in-text discussion highlighted in red

Term: actin binding (ID: GO:0003779)	
Gene	Associated TWARs (distance from gene TSS)
<i>Add2</i>	TWAR5.Chr6 (+31570)
<i>Antxr1</i>	TWAR6.Chr6 (+4598)
<i>Capza2</i>	TWAR1.Chr6 (-106751)
<i>Capzb</i>	TWAR8.Chr4 (+78850)
<i>Enc1</i>	TWAR8.Chr13 (+273613)
<i>Fmn1</i>	TWAR25.Chr2 (+248450)
<i>Fmnl2</i>	TWAR9.Chr2 (+179200)
<i>Fmnl3</i>	TWAR5.Chr15 (+53644)
<i>Limch1</i>	TWAR3.Chr5 (+191751), TWAR4.Chr5 (+223796), TWAR5.Chr5 (+247436)
<i>Myh10</i>	TWAR3.Chr11 (-39), TWAR4.Chr11 (+1876)
<i>Mylk</i>	TWAR4.Chr16 (+209909)
<i>Myo10</i>	TWAR1.Chr15 (+1265)
<i>Myo1b</i>	TWAR1.Chr1 (+218523)
<i>Myo3b</i>	TWAR16.Chr2 (+414207)
<i>Pfn2</i>	TWAR7.Chr3 (+670)
<i>Sptbn5</i>	TWAR29.Chr2 (-1945), TWAR28.Chr2 (+8783), TWAR27.Chr2 (+9130)
<i>Wasf2</i>	TWAR7.Chr4 (+69584)

Terms: transcription regulatory region DNA binding (ID: GO:0044212) and regulatory region DNA binding (ID: GO:0000975); Terms Redundant.

Gene	Associated TWARs (distance from gene TSS)
<i>Arid5b</i>	TWAR2.Chr10 (+130376)
<i>ErbB4</i>	TWAR6.Chr1 (+1967)
<i>Foxc1</i>	TWAR2.Chr13 (+164894)
<i>Hes1</i>	TWAR1.Chr16 (-381751), TWAR2.Chr16 (-9257), TWAR3.Chr16 (-4824)
<i>Hif1a</i>	TWAR3.Chr12 (+1448)
<i>Phox2b</i>	TWAR5.Chr5 (+106030), TWAR4.Chr5 (+129670), TWAR3.Chr5 (+161715)
<i>Prox1</i>	TWAR13.Chr1 (-89138)
<i>Scx</i>	TWAR4.Chr15 (-4769)
<i>Smad7</i>	TWAR14.Chr18 (+31086), TWAR15.Chr18 (+143575)
<i>Sox4</i>	TWAR1.Chr13 (+213698)
<i>Sox6</i>	TWAR2.Chr7 (+506213)
<i>Tbl1xr1</i>	TWAR1.Chr3 (-518306), TWAR2.Chr3 (-334381), TWAR3.Chr3 (-123974)
<i>Tbx5</i>	TWAR9.Chr5 (-91919)
<i>Yap1</i>	TWAR1.Chr9 (+43476)
<i>Zfhx3</i>	TWAR4.Chr8 (-479609)

Term: transforming growth factor beta-activated receptor activity (ID: GO:0005024) and activin binding (ID: GO:0048185)

Gene	Associated TWARs (distance from gene TSS)
<i>Acvr2a</i>	TWAR3.Chr2 (-83,151), TWAR4.Chr2 (+1,296), TWAR5.Chr2 (+1,574)
<i>Bmpr1b</i>	TWAR13.Chr3 (+514,696)
<i>Tgfbbr3</i>	TWAR8.Chr5 (+86,311)

Supplemental Table S10: Pathway enrichment of TWAR-associated genes

Panther Pathway Enrichment					
Term Name	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage
Mannose metabolism	8.43151E-05	0.012731586	36.68922	3	0.01734104
TGF-beta signaling pathway	0.000269577	0.020353071	4.89596	8	0.04624277

MSigDB Pathway Enrichment					
Term Name	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage
Genes involved in Developmental Biology	2.07E-10	2.74E-07	3.768368	31	0.1791908
Genes involved in Axon guidance	2.68E-07	0.00017674	3.898408	20	0.1156069
Genes involved in Signaling by BMP	3.27785E-05	0.014411605	10.18189	6	0.03468208
Genes involved in NOTCH1 Intracellular Domain Regulates Transcription	4.20346E-05	0.013860916	6.43476	8	0.04624277
ALK1 signaling events	0.000146688	0.038696268	10.24836	5	0.02890173
Genes involved in Signaling by NOTCH1	0.000209886	0.046139983	5.083587	8	0.04624277
Genes involved in YAP1- and WWTR1 (TAZ)-stimulated gene expression	0.000250018	0.047110497	9.123312	5	0.02890173
Genes involved in L1CAM interactions	0.000293754	0.04843274	4.832864	8	0.04624277

Terms pertaining to in-text discussion highlighted in red

Gene-TWAR associations for terms 'TGF-beta signaling pathway' and 'Genes involved in Signaling by BMP'	
Gene	Associated TWARs (distance from gene TSS)
<i>Acvr2a</i>	TWAR3.Chr2, TWAR4.Chr2, TWAR5.Chr2
<i>Bmpr1b</i>	TWAR13.Chr3
<i>Gdf6</i>	TWAR1.Chr4
<i>Mstn</i>	TWAR3.Chr1
<i>Smad7</i>	TWAR14.Chr18, TWAR15.Chr18

Supplemental Table S11: MSigDB Perturbation and MSigDB Oncogenic Signatures

Ontology: MSigDB Perturbation						
Term Name	Binom Rank	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage
Genes up-regulated in breast cancer tumors (formed by MCF-7 xenografts) resistant to tamoxifen [PubChem=5378].	1	3.80E-08	0.000127727	3.172812	29	0.1676301
Genes up-regulated in MEF cells (embryonic fibroblast) upon stimulation with TGFβ1 [GeneID=7040] for 1 h.	2	5.40E-08	0.07534E-05	12.72796	9	0.05202312
Genes up-regulated in NB27 cells (osteosarcoma) at any time point after inducing the expression of a mutant form of WT1 [GeneID=7490].	3	4.68E-07	0.00524379	4.141624	18	0.1040462
Genes up-regulated in NHEK cells (normal epidermal keratinocytes) after UVB irradiation.	4	2.70937E-06	0.002278576	3.840704	17	0.0982659
Genes down-regulated in MDA-MB-231 cells (breast cancer, mutated TP53 [GeneID=7157]) undergoing mitotic arrest and apoptosis after treatment with 100 nM docetaxel [PubChem=148124].	5	3.17155E-06	0.002133818	23.04598	5	0.02890173
Genes down-regulated in UB27 cells (osteosarcoma) at 12 hr after inducing the expression of a mutated form of WT1 [GeneID=7490].	6	6.01423E-06	0.003371977	4.035268	15	0.0867052
Genes up-regulated in cells that have been partially reprogrammed to pluripotency: comparison with the parental lineage-committed cell lines, fully reprogrammed stem cells, and embryonic stem cells.	7	6.35962E-06	0.003056252	19.94349	5	0.02890173
Genes up-regulated in anaplastic thyroid carcinoma (ATC) compared to normal thyroid tissue.	8	7.89894E-06	0.003321506	2.602991	26	0.150289
Cluster d1: genes down-regulated in WS1 cells (fibroblast) at 6 h after irradiation with high dose UV-C.	9	9.13451E-06	0.003414276	18.49156	5	0.02890173
Genes with high-CpG-density promoters (HCP) bearing histone H3 K27 trimethylation mark (H327me3) in embryonic stem cells (ES).	10	1.53275E-05	0.005156178	7.428409	8	0.04624277
Genes down-regulated upon overexpression of PARVB [GeneID=29780] in MDA-MB-231 cells (breast cancer) cultured in 3D collagen I and 3D Matrigel only.	11	1.69752E-05	0.005191313	2.952564	20	0.1156069
Genes down-regulated in OV-90 cells (ovarian cancer) exposed to ascites which inhibited invasion.	12	2.19542E-05	0.006154491	4.830684	11	0.06356382
Genes down-regulated in PC3 cells (prostate cancer) after knockdown of NIP1 [GeneID=5511] by RNAi.	13	3.163E-05	0.008184866	2.349791	27	0.1560694
Genes down-regulated in HEP3B cells (liver cancer) overexpressing ATF5 [GeneID=22809] off a plasmid vector.	14	4.25938E-05	0.010234691	21.38197	4	0.02312139
Cluster 3: ECM related genes up-regulated in dermal fibroblasts within 30 min after TGFβ1 [GeneID=7040] addition; returned rapidly to basal level after that.	15	4.67518E-05	0.010484879	20.87125	4	0.02312139
Genes down-regulated in glomeruli of kidneys from patients with diabetic nephropathy (type 2 diabetes mellitus).	16	4.95012E-05	0.010407629	2.575037	22	0.1271676
Top 30 increased eosinophil specific transcripts.	17	4.97447E-05	0.009843596	12.83122	5	0.02890173
Genes whose expression peaked at 60 min after stimulation of HeLa cells with EGF [GeneID=1950].	18	5.96427E-05	0.011146556	7.280776	7	0.04046243
The 'adult tissue stem' module: genes coordinately up-regulated in a compendium of adult tissue stem cells.	19	6.47931E-05	0.011471794	2.099668	31	0.1791908
Set 'Sox2 targets': genes upregulated and identified by ChIP on chip as SOX2 [GeneID=6657] transcription factor targets in human embryonic stem cells.	20	6.76395E-05	0.011376964	2.342185	25	0.1445087

Ontology: MSigDB Oncogenic Signatures

Term Name	Binom Rank	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage
Genes down-regulated in TIG3 cells (fibroblasts) upon knockdown of BMI1 [Gene ID=648] gene.	1	1.49825E-05	0.002801729	4.598788	12	0.06036416
Genes up-regulated in DAOY cells (medulloblastoma) upon knockdown of PCGF2 [Gene ID=7703] gene by RNAi.	2	8.29216E-05	0.007753171	4.160725	11	0.06358382
Genes up-regulated during early stages of differentiation of embryoid bodies from J1 embryonic stem cells.	3	0.000180065	0.011224077	4.144977	10	0.05780347
Matrix, adhesion or cytoskeleton genes induced by NF-κappaB in primary keratinocytes and fibroblasts.	4	0.000564089	0.026371161	19.11168	3	0.01734104
Genes up-regulated in a panel of epithelial cell lines by TGFβ1 [Gene ID=7040].	5	0.000736628	0.027549876	3.210632	11	0.06358382
Genes down-regulated in retina cells from CRX [Gene ID=1406] knockout mice.	6	0.000334584	0.025011189	4.115333	8	0.04624277
Genes up-regulated in DAOY cells (medulloblastoma) upon knockdown of BMI1 and PCGF2 [Gene ID=648, 7703] genes by RNAi.	7	0.001333019	0.03561065	3.191839	10	0.05780347
Genes down-regulated in DLD1 cells (colon carcinoma) over-expressing LEF1 [Gene ID=51176].	8	0.001865484	0.043605688	3.047974	10	0.05780347
Genes up-regulated in HCT116 cells (colon carcinoma) upon knockdown of PTEN [Gene ID=5728] by RNAi.	9	0.002371436	0.04927317	3.897715	7	0.04046243

Terms pertaining to in-text discussion highlighted in red

Term: Genes up-regulated in MEF cells (embryonic fibroblast) upon stimulation with TGFβ1 [GeneID=7040] for 1 h.

Ontology: MSigDB Perturbation

Gene	Associated TWARs (distance from gene TSS)
Fbln2	TWAR7.Chr6 (+137,335)
Hes1	TWAR1.Chr16 (-381,751), TWAR2.Chr16 (-9,257), TWAR3.Chr16 (-4,824)
Ras11b	TWAR6.Chr5 (-33,666), TWAR7.Chr5 (-33,357)
Sic20a1	TWAR30.Chr2 (+61,622)
Smad7	TWAR14.Chr18 (+31,086), TWAR15.Chr18 (+143,575)

Term: Cluster 3: ECM related genes up-regulated in dermal fibroblasts within 30 min after TGFβ1 [GeneID=7040] addition; returned rapidly to basal level after that.

Ontology: MSigDB Perturbation

Gene	Associated TWARs (distance from gene TSS)
Apc	TWAR2.Chr18 (-83,867)
Rnd3	TWAR8.Chr2 (-382,553), TWAR7.Chr2 (-135,978), TWAR6.Chr2 (+49,123)

Term: Genes up-regulated in a panel of epithelial cell lines by TGFβ1 [Gene ID=7040].

MSigDB Oncogenic Signatures

Gene	Associated TWARs (distance from gene TSS)
Abtb2	TWAR23.Chr2 (+154,430)
Fgf1	TWAR3.Chr18 (+252,524)
Foxd1	TWAR10.Chr13 (+138,492), TWAR11.Chr13 (+191,997)
Irga5	TWAR7.Chr15 (-16,413)
Schp1	TWAR8.Chr3 (+507,459)
Tbc1d2b	TWAR8.Chr9 (-733,250)
Tbx3	TWAR9.Chr5 (+71,726)
Wnt16	TWAR3.Chr6 (-7,548)
Wnt3	TWAR7.Chr11 (+41,953)
Wnt7a	TWAR7.Chr6 (+61,573)

Supplemental Table S12: Functional annotation of TWAR-associated, TGF- β and BMP-related genes			
Ontology: GO Molecular Function			
Term ID	Term Description	TWARs	Associated Genes
GO:000504	transforming growth factor beta-activated receptor activity	TWAR1 Ch1, TWAR3 Ch2, TWAR4 Ch2, TWAR5 Ch2, TWAR6 Ch5	<i>Acr1a1, Bmp1r1b, Tgfb1</i>
GO:0005017	transforming growth factor beta receptor, inhibitory cytoplasmic mediator activity	TWAR4 Ch18, TWAR15 Ch18	<i>Smad7</i>
GO:0005160	transforming growth factor beta receptor binding	TWAR4 Ch18, TWAR15 Ch18, TWAR6 Ch5	<i>Smad7, Tgfb3</i>
GO:0005173	type I transforming growth factor beta receptor binding	TWAR4 Ch18, TWAR15 Ch18	<i>Smad7</i>
GO:0005072	transforming growth factor beta receptor, cytoplasmic mediator activity	TWAR4 Ch18, TWAR15 Ch18	<i>Smad7</i>
GO:0070123	transforming growth factor beta receptor activity, type II	TWAR6 Ch5	<i>Tgfb3</i>
GO:0005114	type II transforming growth factor beta receptor binding	TWAR6 Ch5	<i>Tgfb3</i>
GO:0005070	transforming growth factor beta receptor activity, type I	TWAR6 Ch5	<i>Tgfb3</i>
GO:0004341	transforming growth factor beta binding	TWAR6 Ch5	<i>Tgfb3</i>
Ontology: GO Biological Process			
Term ID	Term Description	TWARs	Associated Genes
GO:007160	cellular response to transforming growth factor beta stimulus	TWAR1 Ch1, TWAR4 Ch18, TWAR15 Ch18, TWAR3 Ch2, TWAR6 Ch5, TWAR7 Ch18, TWAR8 Ch2, TWAR9 Ch5, TWAR10 Ch18, TWAR11 Ch18, TWAR12 Ch18, TWAR13 Ch2, TWAR14 Ch18, TWAR15 Ch18, TWAR16 Ch5, TWAR17 Ch18, TWAR18 Ch2, TWAR19 Ch5, TWAR20 Ch18, TWAR21 Ch18, TWAR22 Ch18, TWAR23 Ch18, TWAR24 Ch2, TWAR25 Ch18, TWAR26 Ch5, TWAR27 Ch18, TWAR28 Ch2, TWAR29 Ch5, TWAR30 Ch18, TWAR31 Ch18, TWAR32 Ch18, TWAR33 Ch2, TWAR34 Ch18, TWAR35 Ch18, TWAR36 Ch5, TWAR37 Ch18, TWAR38 Ch2, TWAR39 Ch5, TWAR40 Ch18, TWAR41 Ch18, TWAR42 Ch18, TWAR43 Ch2, TWAR44 Ch18, TWAR45 Ch18, TWAR46 Ch5, TWAR47 Ch18, TWAR48 Ch2, TWAR49 Ch5, TWAR50 Ch18, TWAR51 Ch18, TWAR52 Ch18, TWAR53 Ch2, TWAR54 Ch18, TWAR55 Ch18, TWAR56 Ch5, TWAR57 Ch18, TWAR58 Ch2, TWAR59 Ch5, TWAR60 Ch18, TWAR61 Ch18, TWAR62 Ch18, TWAR63 Ch2, TWAR64 Ch18, TWAR65 Ch18, TWAR66 Ch5, TWAR67 Ch18, TWAR68 Ch2, TWAR69 Ch5, TWAR70 Ch18, TWAR71 Ch18, TWAR72 Ch18, TWAR73 Ch2, TWAR74 Ch18, TWAR75 Ch18, 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GO:0007179	cellular response to transforming growth factor beta stimulus	TWAR1 Ch1, TWAR4 Ch18, TWAR15 Ch18, TWAR3 Ch2, TWAR6 Ch5, TWAR7 Ch18, TWAR8 Ch2, TWAR9 Ch5, TWAR10 Ch18, TWAR11 Ch18, TWAR12 Ch18, TWAR13 Ch2, TWAR14 Ch18, TWAR15 Ch18, TWAR16 Ch5, TWAR17 Ch18, TWAR18 Ch2, TWAR19 Ch5, TWAR20 Ch18, TWAR21 Ch18, TWAR22 Ch18, TWAR23 Ch18, TWAR24 Ch2, TWAR25 Ch18, TWAR26 Ch5, TWAR27 Ch18, TWAR28 Ch2, TWAR29 Ch5, TWAR30 Ch18, TWAR31 Ch18, TWAR32 Ch18, TWAR33 Ch2, TWAR34 Ch18, TWAR35 Ch18, TWAR36 Ch5, TWAR37 Ch18, TWAR38 Ch2, TWAR39 Ch5, TWAR40 Ch18, TWAR41 Ch18, TWAR42 Ch18, TWAR43 Ch2, TWAR44 Ch18, TWAR45 Ch18, TWAR46 Ch5, TWAR47 Ch18, TWAR48 Ch2, TWAR49 Ch5, TWAR50 Ch18, TWAR51 Ch18, TWAR52 Ch18, TWAR53 Ch2, TWAR54 Ch18, TWAR55 Ch18, TWAR56 Ch5, TWAR57 Ch18, TWAR58 Ch2, TWAR59 Ch5, TWAR60 Ch18, TWAR61 Ch18, TWAR62 Ch18, TWAR63 Ch2, TWAR64 Ch18, TWAR65 Ch18, TWAR66 Ch5, TWAR67 Ch18, TWAR68 Ch2, TWAR69 Ch5, TWAR70 Ch18, TWAR71 Ch18, TWAR72 Ch18, TWAR73 Ch2, TWAR74 Ch18, TWAR75 Ch18, 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TWAR298 Ch2, TWAR299 Ch5, TWAR300 Ch18, TWAR301 Ch18, TWAR302 Ch18, TWAR303 Ch2, TWAR304 Ch18, TWAR305 Ch18, TWAR306 Ch5, TWAR307 Ch18, TWAR308 Ch2, TWAR309 Ch5, TWAR310 Ch18, TWAR311 Ch18, TWAR312 Ch18, TWAR313 Ch2, TWAR314 Ch18, TWAR315 Ch18, TWAR316 Ch5, TWAR317 Ch18, TWAR318 Ch2, TWAR319 Ch5, TWAR320 Ch18, TWAR321 Ch18, TWAR322 Ch18, TWAR323 Ch2, TWAR324 Ch18, TWAR325 Ch18, TWAR326 Ch5, TWAR327 Ch18, TWAR328 Ch2, TWAR329 Ch5, TWAR330 Ch18, TWAR331 Ch18, TWAR332 Ch18, TWAR333 Ch2, TWAR334 Ch18, TWAR335 Ch18, TWAR336 Ch5, TWAR337 Ch18, TWAR338 Ch2, TWAR339 Ch5, TWAR340 Ch18, TWAR341 Ch18, TWAR342 Ch18, TWAR343 Ch2, TWAR344 Ch18, TWAR345 Ch18, TWAR346 Ch5, TWAR347 Ch18, TWAR348 Ch2, TWAR349 Ch5, TWAR350 Ch18, TWAR351 Ch18, TWAR352 Ch18, TWAR353 Ch2, TWAR354 Ch18, TWAR355 Ch18, TWAR356 Ch5, TWAR357 Ch18, TWAR358 Ch2, TWAR359 Ch5, TWAR360 Ch18, TWAR361 Ch18, TWAR362 Ch18, TWAR363 Ch2, TWAR364 Ch18, TWAR365 Ch18, TWAR366 Ch5, TWAR367 Ch18, TWAR368 Ch2, TWAR369 Ch5, TWAR370 Ch18, TWAR371 Ch18, TWAR372 Ch18, TWAR373 Ch2, TWAR374 Ch18, TWAR375 Ch18, TWAR376 Ch5, TWAR37	

Supplemental Table S13: Enrichr MGI Mammalian Phenotype for TGF-beta signaling and TGF-beta responsive, TWAR-associated genes

Term	Overlap	P-value	Adjusted P-value	Z-score	Combined Score	Genes
MP-000854, abnormal_carpal_bone_morphology	3/22	3.38012E-05	0.005148071	-2.105885521	21.83514445	<i>Foxc1,Bmpr1b,Gdf6</i>
MP-000534, abnormal_fourth_pharyngeal_arch_artery_morphology	3/15	1.19688E-05	0.005148071	-1.81376008	20.55609388	<i>Foxc1,Ltbp1,Smad7</i>
MP-0005108, abnormal_ulna_morphology	3/23	4.57752E-05	0.005148071	-1.631938434	16.30594888	<i>Wnt7a,Ltbp1,Tbx3</i>
MP-000556, abnormal_hindlimb_morphology	4/53	2.0505E-05	0.005148071	-1.453774192	15.69326577	<i>Grem1,Foxc1,Wnt7a,Tbx3</i>
MP-000559, abnormal_femur_morphology	4/61	3.58832E-05	0.005148071	-1.326380218	13.57582113	<i>Tgfb3,Foxc1,Mstn,Galnt3</i>
MP-0001701, incomplete_embryo_turning	4/59	3.14374E-05	0.005148071	-1.254343014	13.00440664	<i>Yap1,Opa1,Apc,Igfb5</i>
MP-000508, abnormal_skeleton_morphology	5/115	2.65016E-05	0.005148071	-1.165203218	12.27026626	<i>Foxc1,Schp1,Arnd5b,Igf1,Gdf6</i>
MP-0011098, embryonic_lethality_during_organogenesis_complete_penetration	9/59	4.6379E-05	0.005148071	-1.137747738	11.35320172	<i>Yap1,Opa1,Apc,Sic20a1,Hes1,Igfb5,Phox2b,Tbx3,Wnt3</i>
MP-0002169, no_abnormal_phenotype_detected	16/1674	2.90808E-05	0.005148071	-0.769030965	8.032898957	<i>Foxc1,Sic20a1,Odc1,Wnt7a,Scx,Mxi67,Fgf1,Phox2b,Tbx3,Rasgrp3,Smad7,Apc,Hes1,Bmpr1b,Cd44,Sox4</i>
MP-0000157, abnormal_alveolus_morphology	4/67	5.19892E-05	0.005148071	-1.232917731	12.16208662	<i>Tgfb3,Foxc1,Schp1,Arnd5b</i>
MP-0002110, abnormal_digit_morphology	4/69	5.83716E-05	0.005301201	-1.413087147	13.77573632	<i>Grem1,Wnt7a,Bmpr1b,Tbx3</i>
MP-0000854, abnormal_cerebellum_development	3/26	6.67699E-05	0.005401385	-1.94384078	16.88870452	<i>Foxc1,Zic1,Unc5c</i>
MP-0001732, postnatal_growth_retardation	9/590	7.02883E-05	0.005401385	-0.798319904	7.634257615	<i>Galnt3,Apc,Sic20a1,Zic1,Arnd5b,Unc5c,Igf1,Gdf6,Rnd3</i>
MP-0004627, abnormal_trochanter_morphology	2/5	9.09658E-05	0.006491061	-3.91809755	36.45800251	<i>Tgfb3,Mstn</i>
MP-0002200, abnormal_brain_ventricular_system_morphology	2/6	0.000136161	0.000969523	-2.957988397	26.30062011	<i>Foxc1,Rnd3</i>
MP-0002082, postnatal_lethality	5/165	0.00014735	0.009200188	-1.152406574	10.16733447	<i>Schp1,Arnd5b,Gdf6,EfnA5,Phox2b</i>
MP-0000097, short_maxilla	3/35	0.000164818	0.009685455	-1.784302949	15.54247666	<i>Schp1,Arnd5b,Ltbp1</i>
MP-0004354, absent_deltoid_tuberosity	2/8	0.000253206	0.012045352	-2.829511503	23.43205848	<i>Tgfb3,Scx</i>
MP-0006279, abnormal_limb_development	2/8	0.000228151	0.012045352	-1.825302671	15.30683275	<i>Grem1,Wnt7a,Tbx3</i>
MP-0008919, fused_tarsal_bones	2/8	0.000253206	0.012045352	-1.830346559	15.15766505	<i>Foxc1,Gdf6</i>
MP-0001131, abnormal_ovarian_follicle_morphology	3/40	0.000246116	0.012045352	-1.61666009	13.43975111	<i>Foxc1,Apc,Acvr2a</i>
MP-0008995, decreased_palatine_bone_horizontal_plate_size	2/9	0.000324911	0.013629974	-2.661746775	21.37904545	<i>Schp1,Arnd5b</i>
MP-0009637, abnormal_neuron_differentiation	4/106	0.000308373	0.013629974	-1.299424171	10.5048073	<i>Foxc1,Dysp3,Elavl4,Hes1</i>
MP-0011099, lethality_throughout_fetal_growth_and_development_complete_penetration	5/196	0.000327447	0.013629974	-1.157816117	9.268883586	<i>Tgfb3,Sic20a1,Phox2b,Tbx3,Sox4</i>
MP-0008528, polycystic_kidney	3/45	0.000340668	0.013972724	-1.894306074	15.07655944	<i>EfnA5,Rnd3,Ltbp1</i>
MP-0003816, abnormal_pituitary_gland_development	2/10	0.000405341	0.014586874	-2.790469948	21.79575537	<i>Foxc1,Hes1</i>
MP-0001134, absent_corpus_luteum	3/47	0.000397839	0.014586874	-1.655771265	12.96380036	<i>Apc,Arnd5b,Acvr2a</i>
MP-0004443, abnormal_enoid_morphology	3/48	0.000423443	0.014586874	-1.591156992	12.3589937	<i>Schp1,Arnd5b,Ltbp1</i>
MP-0000550, abnormal_forelimb_morphology	3/48	0.000423443	0.014586874	-1.458476148	11.32811868	<i>Grem1,Wnt7a,Tbx3</i>
MP-0003447, decreased_tumor_growth/size	3/49	0.000450082	0.014987736	-1.450380995	11.17675299	<i>Apc,Cd44,Flnb5</i>
MP-0008915, fused_carpal_bones	2/11	0.000494443	0.015564989	-1.814947019	13.81551801	<i>Foxc1,Gdf6</i>
MP-0011087, neonatal_lethality_complete_penetration	7/462	0.000498578	0.015564989	-0.983375879	7.477344386	<i>Grem1,Foxc1,Foxd1,Igf1,Ltbp1,Acvr2a,Phox2b</i>
MP-0001319, irregularly_shaped_pupil	2/12	0.000592167	0.016902146	-2.723077983	20.23715012	<i>Foxc1,EfnA5</i>
MP-0004462, small_basiphrenoid_bone	2/12	0.000592167	0.016902146	-2.722197832	20.23061583	<i>Foxc1,Ltbp1</i>
MP-0000091, short_premaxilla	2/12	0.000592167	0.016902146	-2.352280782	17.48149538	<i>Schp1,Arnd5b</i>
MP-0002812, spherocytosis	2/13	0.00069846	0.017545348	-2.84042352	20.64031235	<i>Sic20a1,Add2</i>
MP-0012135, embryonic-extraembryonic_boundary_constriction	2/13	0.00069846	0.017545348	-2.600174406	18.80491112	<i>Yap1,Apc</i>
MP-0008730, fused_pharynxes	2/13	0.00069846	0.017545348	-1.822877294	13.24617842	<i>Wnt7a,Bmpr1b</i>
MP-0005537, abnormal_cerebral_aqueduct_morphology	2/13	0.00069846	0.017545348	-1.487499684	10.80911275	<i>Foxc1,Rnd3</i>
MP-0005221, abnormal_rostral-caudal_axis_patterning	3/57	0.000702516	0.017545348	-1.11138085	8.069560504	<i>Opa1,Igfb5,Wnt3</i>
MP-0010402, ventricular_septal_defect	4/134	0.000748054	0.01822698	-1.193504294	8.590885764	<i>Foxc1,Tbx3,Sox4,Smad7</i>
MP-0001126, abnormal_ovary_morphology	3/61	0.00085685	0.020378044	-1.149681081	8.119800292	<i>Foxc1,Arnd5b,Acvr2a</i>
MP-0005104, abnormal_tarsal_bone_morphology	2/16	0.001068242	0.024818004	-1.886349675	12.90591512	<i>Foxc1,Gdf6</i>
MP-0001926, female_infertility	5/257	0.001115196	0.025320023	-0.951851954	6.471379612	<i>Wnt7a,Arnd5b,Bmpr1b,EfnA5,Acvr2a</i>
MP-0004111, abnormal_coronary_artery_morphology	2/17	0.001208301	0.02684271	-2.20456487	14.81145825	<i>Ltbp1,Sox4</i>
MP-0010984, abnormal_metaneprhic_mesenchyme_morphology	2/18	0.001356673	0.027659514	-2.627569821	17.34910783	<i>Grem1,Foxd1</i>
MP-0004440, abnormal_preshphenoid_bone_morphology	2/18	0.001356673	0.027659514	-2.187253416	14.44182119	<i>Schp1,Arnd5b</i>
MP-0001264, increased_body_size	2/18	0.001356673	0.027659514	-2.119223995	13.99264268	<i>Mstn,Ras2</i>
MP-0002161, abnormal_fertility/fecundity	3/71	0.00133132	0.027659514	-1.238765493	8.202589958	<i>Tgfb3,Elavl4,Arnd5b</i>
MP-0011939, increased_food_intake	3/72	0.001386204	0.027696358	-1.586348642	10.44005569	<i>Mstn,Arnd5b,Unc5c</i>
MP-0002746, abnormal_semiunar_valve_morphology	2/19	0.001513309	0.028524449	-2.271688924	14.75111334	<i>Foxc1,Sox4</i>
MP-0003073, abnormal_metacarpal_bone_morphology	2/19	0.001513309	0.028524449	-1.984859564	12.88599919	<i>Foxc1,Bmpr1b</i>
MP-0003072, abnormal_metatarsal_bone_morphology	2/19	0.001513309	0.028524449	-1.979824313	12.85590316	<i>Foxc1,Bmpr1b</i>
MP-0002109, abnormal_limb_morphology	3/75	0.001559332	0.028690083	-1.399859831	9.047991289	<i>Grem1,Wnt7a,Tbx3</i>
MP-0011086, postnatal_lethality_incomplete_penetration	7/563	0.001579534	0.028690083	-0.815660238	5.261518616	<i>Apc,Sic20a1,Zic1,Igf1,Gdf6,Rnd3,Tbx3</i>
MP-0011709, decreased_fibroblast_cell_migration	2/20	0.001678159	0.029105834	-2.334470908	14.91740405	<i>Schp1,Arnd5b</i>
MP-0002187, abnormal_fibula_morphology	2/20	0.001678159	0.029105834	-2.169993126	13.86638151	<i>Grem1,Foxc1</i>
MP-0002135, abnormal_kidney_morphology	4/167	0.001698828	0.029105834	-1.024725087	6.540951828	<i>Grem1,Foxc1,Galnt3,Arnd5b</i>
MP-0009887, abnormal_palatal_shelf_fusion_at_midline	2/21	0.001851173	0.030242483	-2.064838117	12.99181607	<i>Schp1,Tbx3</i>
MP-0002925, abnormal_cardiovascular_development	2/21	0.001851173	0.030242483	-1.794733	11.29234463	<i>Tbx3,Smad7</i>
MP-0011109, lethality_throughout_fetal_growth_and_development_incomplete_penetration	4/170	0.001803457	0.030242483	-1.346457402	8.506985083	<i>Tgfb3,Apc,Hes1,Ltbp1</i>
MP-0005419, decreased_circulating_serum_albumin_level	3/80	0.001876911	0.030242483	-1.05277343	6.609446376	<i>Adpgk,Tbc1d2b,Ltbp1</i>
MP-0001513, limb_grasping	4/176	0.002046448	0.032450811	-0.957187238	5.926568254	<i>Opa1,Elavl4,Wnt7a,Rnd3</i>
MP-0010454, abnormal_truncus_arteriosus_separation	2/24	0.002418703	0.037173602	-2.187449532	13.178342	<i>Tgfb3,Ltbp1</i>
MP-0001132, absent_mature_ovarian_follicles	2/24	0.002418703	0.037173602	-1.997715631	12.03538558	<i>Apc,Arnd5b</i>
MP-0010025, decreased_total_body_fat_amount	53/14	0.002679679	0.040560602	-1.024990164	6.070051316	<i>Mstn,Opa1,Adpgk,Enc1,Ltbp1</i>
MP-0000913, abnormal_brain_development	3/93	0.002882444	0.042978536	-1.19409898	6.989688381	<i>Foxc1,Apc,Hes1</i>
MP-0004110, transposition_of_great_arteries	2/27	0.003057932	0.043074236	-1.709140018	8.95948636	<i>Tgfb3,Smad7</i>
MP-0003898, abnormal_QRS_complex	2/27	0.003057932	0.043074236	-1.682061458	8.791633333	<i>Tbx3,Smad7</i>
MP-0001352, impaired_righting_response	3/95	0.00391332	0.043074236	-1.242254521	7.701525123	<i>Zic1,Scx,Rnd3</i>
MP-0002123, abnormal_definitive_hematopoiesis	3/94	0.002971057	0.043074236	-1.160254707	6.751333612	<i>Tgfb3,Sic20a1,Cd44</i>
MP-0008181, increased_marginal_zone_B_cell_number	2/28	0.003286715	0.045603166	-1.986265741	11.35720293	<i>Adpgk,Birc3</i>
MP-0002089, abnormal_postnatal_growth/weight/body_size	2/29	0.00352327	0.046929952	-2.19303153	12.38704439	<i>Mstn,Igf1</i>
MP-0004077, abnormal_striatum_morphology	2/29	0.00352327	0.046929952	-1.671983911	9.443976815	<i>Foxc1,Phb</i>
MP-0001697, abnormal_embryo_size	3/99	0.003439259	0.046929952	-1.195961108	6.784088949	<i>Apc,Acvr2a,Wnt3</i>
MP-0008146, asymmetric_sternocostal_joints	2/30	0.003767549	0.048880281	-1.66534035	9.294814992	<i>Schp1,Arnd5b</i>
MP-0004471, short_nasal_bone	2/30	0.003767549	0.048880281	-1.652020598	9.220473051	<i>Schp1,Arnd5b</i>
MP-0000445, short_enoid	3/103	0.003944574	0.049240124	-1.077404735	5.991547302	<i>Foxc1,Ltbp1,Flnb5</i>

Supplemental Table S14: Mouse phenotypes enriched among TWAR-associated genes identified by GREAT analysis

Term Name	Binom Rank	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage
abnormal spinal cord morphology	1	8.12E-08	0.000644055	3.563353	24	0.1387283
absent trochlear nerve	4	2.00391E-06	0.003972245	25.34257	5	0.02890173
abnormal appendicular skeleton morphology	7	4.37994E-06	0.004961221	2.46094	30	0.1734104
decreased DN3 thymocyte number	8	5.3986E-06	0.005350686	36.37726	4	0.02312139
abnormal limb long bone morphology	10	5.84294E-06	0.00463287	3.17964	20	0.1156069
abnormal trochlear nerve morphology	12	7.75036E-06	0.005121047	13.18856	6	0.03468208
abnormal area postrema morphology	14	1.00784E-05	0.005707974	75.2491	3	0.01734104
abnormal long bone morphology	15	1.0173E-05	0.005377432	2.629277	25	0.1445087
abnormal embryonic tissue morphology	16	1.20382E-05	0.005965656	2.149968	35	0.2023121
abnormal cranial nerve morphology	19	1.76449E-05	0.0073635	3.321539	17	0.0982659
alkalemia	20	1.92161E-05	0.007618231	60.54041	3	0.01734104
absent facial nerve	22	2.17607E-05	0.007842736	58.052	3	0.01734104
abnormal limb bone morphology	23	2.41221E-05	0.008315842	2.786517	21	0.1213873
increased somatotroph cell number	24	3.09981E-05	0.010240987	51.51074	3	0.01734104
increased Cajal-Retzius cell number	25	3.32401E-05	0.010542414	50.30842	3	0.01734104
abnormal hepatobiliary system development	26	3.51828E-05	0.010729413	5.707135	9	0.05202312
abnormal retrotrapezoid nucleus morphology	27	3.60895E-05	0.010598283	48.92775	3	0.01734104
abnormal fourth ventricle morphology	28	3.75649E-05	0.010637578	9.933122	6	0.03468208
abnormal uterus morphology	29	3.85143E-05	0.010530338	3.876038	13	0.07514451
increased number of pulmonary neuroendocrine bodies	30	4.36341E-05	0.011532503	45.88179	3	0.01734104

Gene-TWAR Associations for Cranial Nerve-Related Mouse Phenotypes

Term: abnormal cranial nerve morphology (ID: MP:0001056)

<i>Dcc</i>	TWAR14.Chr18 (-812926)
<i>Ephb1</i>	TWAR12.Chr9 (+160381)
<i>ErbB4</i>	TWAR9.Chr1 (+1967)
<i>Gdf6</i>	TWAR2.Chr4 (+930280)
<i>Hes1</i>	TWAR2.Chr16 (-381751), TWAR4.Chr16 (-9257), TWAR5.Chr16 (-4824)
<i>Igf1</i>	TWAR9.Chr10 (-207483)
<i>Myh10</i>	TWAR7.Chr11 (-39), TWAR8.Chr11 (+1876)
<i>Nr2f1</i>	TWAR12.Chr13 (+18379)
<i>Nrp2</i>	TWAR7.Chr1 (-55582), TWAR8.Chr1 (+82341)
<i>Opa1</i>	TWAR2.Chr16 (+104209), TWAR4.Chr16 (+476703)
<i>Phox2b</i>	TWAR10.Chr5 (+106030), TWAR8.Chr5 (+129670), TWAR7.Chr5 (+161715)
<i>Unc5c</i>	TWAR25.Chr3 (+2004)

Terms below are subsets of 'abnormal cranial nerve morphology'

Term: absent trochlear nerve (ID: MP:0001064)

Term: absent facial nerve (ID: MP:0004561)

Term: abnormal trochlear nerve morphology (ID: MP:0001063)

Terms pertaining to in-text discussion highlighted in red

Supplemental Table S15: MGI Expression Detected from GREAT analysis

Term Name	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage
TS28_basal ganglia	8.88E-09	6.41091E-06	2.069736	60	0.3468208
TS28_meninges	8.98E-09	6.019E-06	2.198484	54	0.3121387
TS19_future spinal cord	1.54E-08	9.648E-06	2.003401	62	0.3583815
TS23_hippocampus	1.80E-08	1.05394E-05	2.089946	57	0.3294798
TS23_ganglionic eminence	2.44E-08	1.27106E-05	2.11394	55	0.3179191
TS28_amygdala	3.24E-08	1.60008E-05	2.03639	58	0.3352601
TS23_neocortex	1.72E-07	5.04554E-05	2.015344	54	0.3121387
TS20_visceral organ	9.91E-07	0.000193756	2.023089	48	0.2774566
TS21_common bile duct	1.54699E-06	0.000273846	50.01098	4	0.02312139
TS20_spinal cord mantle layer	2.21988E-06	0.000385683	5.570268	12	0.06936416
TS16_rhombomere 04 ventricular layer	5.87115E-06	0.000903002	90.24642	3	0.01734104
TS17_rhombomere 01 mantle layer	5.87115E-06	0.000903002	90.24642	3	0.01734104
TS17_rhombomere 01 lateral wall	6.74315E-06	0.000944243	86.14192	3	0.01734104
TS16_rhombomere 07	1.4007E-05	0.001642667	67.35234	3	0.01734104
TS16_rhombomere 08	1.4007E-05	0.001642667	67.35234	3	0.01734104
TS19_cystic duct	0.000014283	0.001634184	66.91082	3	0.01734104
TS18_rhombomere 04 marginal layer	1.62494E-05	0.001836772	64.06361	3	0.01734104
TS18_rhombomere 04 ventricular layer	1.62494E-05	0.001836772	64.06361	3	0.01734104
TS28_trochlear IV nucleus	1.65034E-05	0.001821588	63.72942	3	0.01734104
TS21_cystic duct	1.86162E-05	0.001984737	61.19182	3	0.01734104

Terms pertaining to in-text discussion highlighted in red

Supplemental Table S16: VISTA brain enhancers			
Mouse Chromosome	Start Position	End Position	VISTA Enhancer ID
Chr1	179385809	179386339	hs2070
Chr16	92273596	92276911	hs2174
Chr6	6058480	6059027	hs2313
Chr1	98187842	98193251	hs1649
Chr1	109514249	109514854	hs947
Chr1	12509176	12511893	mm1416
Chr1	118776526	118778049	hs522
Chr1	127554365	127556879	mm790
Chr1	132332670	132334462	mm505
Chr1	133079893	133080922	hs1368
Chr1	133180668	133184217	mm971
Chr1	133185980	133189493	mm1460
Chr1	134060554	134066172	mm1445
Chr1	137378153	137379482	mm1732
Chr1	138499159	138501331	hs1322
Chr1	158265467	158268046	mm1369
Chr1	162830457	162833967	mm713
Chr1	165934234	165936307	hs1331
Chr1	166047478	166050879	mm757
Chr1	168168619	168170073	hs1191
Chr1	168341597	168342833	hs1235
Chr1	168357093	168358535	hs1202
Chr1	169385394	169386297	hs762
Chr1	172015769	172018782	mm1677
Chr1	177150037	177151455	hs545
Chr1	186922310	186923505	hs1257
Chr1	19106734	19107712	hs865
Chr1	19699458	19700530	hs217
Chr1	189187274	189188601	mm119
Chr1	190653740	190655122	hs204
Chr1	190727303	190730173	hs1324
Chr1	192798093	192800700	mm646
Chr1	20919958	20922635	hs2064
Chr1	39945610	39950472	mm1333
Chr1	41165839	41167312	hs1093
Chr1	41274476	41276046	mm1643
Chr1	41274880	41276860	hs1112
Chr1	41388600	41391399	hs1555
Chr1	41603694	41607210	hs1526
Chr1	41812941	41815356	hs1529
Chr1	41917498	41920605	hs1303
Chr1	41981432	41982259	hs401
Chr1	42242415	42244647	hs1131
Chr1	42255267	42258543	hs1534
Chr1	42365768	42366767	hs702

Chr1	42538719	42541030	hs969
Chr1	42690175	42692711	hs1553
Chr1	42740655	42742396	hs990
Chr1	42888323	42889246	hs868
Chr1	59340862	59342046	mm489
Chr1	6729232	6730317	hs698
Chr1	63993294	63996572	mm997
Chr1	67794929	67796464	mm148
Chr1	68045929	68048127	hs1578
Chr1	74110236	74112663	mm1630
Chr1	75288287	75291172	mm1372
Chr1	75660753	75663254	mm1045
Chr1	9648223	9650965	mm1546
Chr1	89847708	89849945	hs921
Chr1	92785614	92789442	hs1937
Chr1	97538497	97542741	mm1317
Chr10	119760179	119762863	hs1498
Chr10	120551958	120553597	mm569
Chr10	120646043	120649455	mm1003
Chr10	17228735	17232666	hs1644
Chr10	36483581	36486087	mm693
Chr10	38552269	38556079	hs1302
Chr10	39657714	39664005	hs1690
Chr10	50901664	50902602	hs2319
Chr10	51257066	51258554	hs576
Chr10	52741812	52745154	mm782
Chr10	60813778	60816843	mm1663
Chr10	67001918	67005347	mm1692
Chr10	87292836	87293886	hs1723
Chr10	87324267	87326929	hs1575
Chr10	87388706	87389893	hs967
Chr10	87445159	87449773	hs1540
Chr10	87446548	87449489	hs1354
Chr10	87446634	87448659	hs998
Chr10	87473282	87474591	hs1114
Chr10	92555726	92557808	hs1341
Chr11	103840623	103842229	mm1102
Chr11	113307639	113310548	mm1526
Chr11	113783367	113787793	mm1462
Chr11	114335575	114337612	mm998
Chr11	117343025	117348116	mm1309
Chr11	118238372	118241185	mm1622
Chr11	17449238	17451378	mm1290
Chr11	18356946	18358282	hs831
Chr11	18916164	18918730	hs1210
Chr11	22002480	22003824	hs1066
Chr11	22078416	22079452	hs690

Chr11	24015166	24017101	hs1142
Chr11	24095054	24096665	hs957
Chr11	24329867	24333908	hs1535
Chr11	24370835	24371855	hs399
Chr11	24427204	24428274	hs779
Chr11	25113307	25113939	hs394
Chr11	25356345	25357682	hs1119
Chr11	25529955	25531889	hs975
Chr11	26772020	26774013	mm1555
Chr11	33299598	33301607	hs278
Chr11	44634332	44635609	hs1117
Chr11	44656475	44657869	hs1022
Chr11	44987161	44988462	hs813
Chr11	54056663	54059415	mm51
Chr11	62983404	62986950	mm62
Chr11	77906010	77907728	mm981
Chr11	81612790	81613808	hs1725
Chr11	84496288	84496920	hs363
Chr11	85857229	85860254	mm1583
Chr11	88274079	88276075	mm439
Chr11	94158655	94162177	mm1496
Chr11	94880928	94883811	mm568
Chr11	96872256	96874454	mm1299
Chr11	96883318	96887851	mm876
Chr11	96885199	96888165	mm999
Chr11	96901713	96904671	mm1675
Chr11	98339002	98339485	hs627
Chr12	105972686	105975121	mm1604
Chr12	107777918	107778911	hs622
Chr12	109507924	109510969	mm799
Chr12	109946504	109950294	mm1456
Chr12	111142738	111143613	mm3
Chr12	111691971	111695499	mm1606
Chr12	117805673	117806846	hs807
Chr12	118647247	118648361	hs701
Chr12	118650488	118651732	hs1226
Chr12	118719668	118721135	hs110
Chr12	118725449	118726903	hs1007
Chr12	12707412	12712118	mm1310
Chr12	118834480	118836076	hs1019
Chr12	118840044	118841444	hs844
Chr12	25123955	25126084	hs1527
Chr12	25891576	25892364	hs388
Chr12	27060074	27063099	mm1609
Chr12	27563452	27566844	hs1496
Chr12	28816804	28818905	hs1385
Chr12	34199630	34200876	hs644

Chr12	38435534	38436644	hs816
Chr12	39301104	39302161	hs550
Chr12	39341789	39342579	hs749
Chr12	44402519	44405770	mm16
Chr12	46020363	46021772	hs428
Chr12	49374505	49376068	hs1064
Chr12	49944709	49946539	hs566
Chr12	49973353	49975979	hs1539
Chr12	49991792	49994219	hs1168
Chr12	50119059	50121598	hs1523
Chr12	50121579	50123529	hs342
Chr12	51001401	51003291	hs433
Chr12	55614270	55615258	hs348
Chr12	56386861	56388474	hs592
Chr12	56458078	56460488	hs1538
Chr12	56481967	56483344	hs704
Chr12	56520183	56521029	hs1166
Chr12	57291377	57292384	hs593
Chr12	71532268	71534767	mm795
Chr12	79923762	79926852	mm1611
Chr12	80059965	80065110	mm1469
Chr12	83072395	83074413	mm78
Chr12	86800572	86803602	hs1466
Chr12	86822930	86827112	mm1444
Chr12	88983898	88984926	mm296
Chr12	91677577	91681083	mm815
Chr13	105537275	105539272	mm5
Chr13	111952900	111955571	mm45
Chr13	111989320	111993362	hs1638
Chr13	116086721	116088319	hs1419
Chr13	116514002	116515994	hs1321
Chr13	116575049	116576418	hs1187
Chr13	12131518	12133920	hs2137
Chr13	12502078	12504879	mm1376
Chr13	15485450	15487168	hs1213
Chr13	15543030	15545007	hs111
Chr13	26153953	26156126	hs1352
Chr13	28415132	28417928	hs1335
Chr13	29609186	29611829	hs1340
Chr13	34147928	34150988	mm1605
Chr13	34247185	34249843	hs1391
Chr13	34285394	34290493	mm1307
Chr13	37310966	37313810	mm979
Chr13	39523268	39524849	hs1315
Chr13	39876693	39879433	mm1403
Chr13	46571320	46574349	mm132
Chr13	47310584	47312217	hs1052

Chr13	48158420	48162088	hs1533
Chr13	48383545	48384932	hs1175
Chr13	48779624	48781302	mm922
Chr13	51919913	51922132	mm1565
Chr13	51920205	51921621	hs1339
Chr13	53463203	53464849	hs1256
Chr13	59090184	59094158	mm14
Chr13	60145681	60149199	mm745
Chr13	63554160	63555734	hs1258
Chr13	63568917	63569745	hs1417
Chr13	63625944	63628451	mm702
Chr13	72028466	72029899	hs261
Chr13	72288437	72289483	hs754
Chr13	72297848	72299335	hs533
Chr13	72302372	72303422	hs603
Chr13	73033138	73036182	hs1327
Chr13	76809879	76811879	mm1556
Chr13	77546465	77549738	mm881
Chr13	77892212	77893533	hs271
Chr13	78580584	78582512	hs1172
Chr13	78600965	78603744	hs1060
Chr13	78937242	78939009	hs1024
Chr13	79136177	79138027	hs1079
Chr13	79344817	79346717	hs971
Chr13	79387206	79390321	hs1577
Chr13	79999668	80001749	hs952
Chr13	80235007	80236097	hs1227
Chr13	80513987	80516010	hs191
Chr13	80622907	80623514	hs269
Chr13	84058231	84061074	mm1660
Chr13	84059503	84060615	hs268
Chr13	84570408	84572167	hs267
Chr13	84638983	84639970	hs266
Chr13	84751364	84753074	hs853
Chr13	84781785	84785966	mm1334
Chr13	94705527	94708908	hs1783
Chr13	94868895	94869433	hs262
Chr13	97891622	97893965	mm1001
Chr14	103763360	103764966	hs1394
Chr14	104297360	104298672	hs915
Chr14	105482173	105484963	mm1111
Chr14	118193836	118195430	hs796
Chr14	118229617	118231411	hs488
Chr14	118435485	118436834	hs341
Chr14	12337474	12338440	hs434
Chr14	12346491	12347182	hs435
Chr14	12392521	12394811	hs1316

Chr14	13770324	13771435 hs1387
Chr14	19984462	19988065 mm1498
Chr14	20890796	20893474 hs2142
Chr14	21252002	21253228 hs595
Chr14	21358859	21360383 mm1738
Chr14	21990858	21991990 hs484
Chr14	22113215	22115951 mm414
Chr14	22505360	22506121 hs320
Chr14	23094627	23095917 hs748
Chr14	24616748	24620772 hs2223
Chr14	25107155	25110736 mm1446
Chr14	25585162	25588456 mm1678
Chr14	28972334	28973645 hs1436
Chr14	40955282	40959325 mm1503
Chr14	48707510	48711185 hs1579
Chr14	48814603	48816118 hs1218
Chr14	48852340	48856614 hs1791
Chr14	52547406	52549170 hs1705
Chr14	60552726	60556031 mm1122
Chr14	61004739	61005741 mm7
Chr14	63062164	63063066 mm244
Chr14	63585329	63587537 mm1542
Chr14	65245073	65246192 hs1329
Chr14	65749305	65750499 hs1741
Chr14	66492741	66497119 mm1500
Chr14	70634498	70635318 hs781
Chr14	70639990	70641193 hs782
Chr14	73233956	73236326 mm1341
Chr14	76253890	76257212 mm1502
Chr14	78287851	78289553 hs1393
Chr14	94521150	94522546 hs575
Chr14	97100876	97102241 hs540
Chr14	97329515	97330680 hs882
Chr14	98046622	98048648 hs137
Chr14	98072481	98073981 hs619
Chr14	98154698	98157214 hs138
Chr15	13391894	13395636 mm13
Chr15	13392550	13394271 hs1312
Chr15	34828818	34829716 hs908
Chr15	40657862	40659260 hs195
Chr15	40911362	40915891 hs1800
Chr15	60852996	60854287 mm642
Chr15	61157637	61158731 mm641
Chr15	63052414	63053178 hs1877
Chr15	66237670	66241222 hs2563
Chr15	73020419	73023319 mm1679
Chr15	75646709	75649708 mm1304

Chr15	79218952	79220098 hs492
Chr15	85464142	85464949 hs1559
Chr15	85505930	85509606 mm325
Chr15	91016522	91020048 mm1478
Chr15	95638744	95641449 mm1571
Chr15	98967479	98972541 mm1449
Chr15	99807076	99809694 mm17
Chr16	10051117	10051975 hs1242
Chr16	15084592	15085708 mm466
Chr16	17808169	17811091 hs1620
Chr16	23502808	23507356 mm1315
Chr16	29719360	29721162 hs1563
Chr16	29882436	29884131 hs1344
Chr16	29893116	29895809 hs1453
Chr16	30128808	30130865 hs1543
Chr16	30872662	30875316 mm988
Chr16	35584523	35589773 mm1471
Chr16	37892144	37895218 mm1361
Chr16	42781027	42782864 hs1648
Chr16	44528746	44534514 mm1504
Chr16	44671282	44673116 mm1637
Chr16	44676757	44681297 hs1685
Chr16	77420896	77422638 hs1304
Chr16	85887133	85888622 hs1684
Chr16	90449316	90451082 mm1672
Chr16	91104484	91107069 hs1548
Chr16	91139145	91142270 mm817
Chr16	91140152	91141411 hs1188
Chr16	91290868	91293443 hs1346
Chr16	92340500	92342017 mm113
Chr16	92340534	92342015 mm769
Chr16	94630838	94633816 hs2333
Chr16	94956955	94958478 hs1811
Chr16	95847910	95849564 hs1516
Chr16	96845600	96847968 mm1636
Chr17	10333563	10337174 mm1488
Chr17	10743926	10746179 hs1358
Chr17	15440120	15441360 hs1310
Chr17	26508852	26510691 hs1828
Chr17	28105717	28108643 mm1525
Chr17	29462413	29466116 mm755
Chr17	30377456	30379782 hs1366
Chr17	32179502	32180908 mm1733
Chr17	47520785	47523587 mm1691
Chr17	47871879	47873076 hs1100
Chr17	47914773	47915356 hs281
Chr17	47988296	47991797 mm751

Chr17	62785705	62787128 hs1734
Chr17	62851927	62854939 mm1538
Chr17	63171422	63173537 hs1345
Chr17	66478396	66482145 mm1499
Chr17	85487468	85489670 hs541
Chr17	85562619	85563333 hs149
Chr17	90085748	90089309 hs2343
Chr17	90695380	90697670 mm1639
Chr18	10735381	10736621 hs1650
Chr18	13221433	13222700 hs1169
Chr18	13665973	13667811 hs1180
Chr18	13738222	13739462 hs367
Chr18	13786795	13788440 hs1027
Chr18	13896095	13897821 hs369
Chr18	14063413	14065312 hs1544
Chr18	14458160	14460150 hs1566
Chr18	16560468	16563440 hs1636
Chr18	25377370	25378646 hs590
Chr18	25677414	25678414 hs371
Chr18	27497307	27498342 hs851
Chr18	33552065	33554381 mm15
Chr18	35847683	35850399 mm1614
Chr18	38378941	38381638 mm1457
Chr18	55195554	55197516 hs1375
Chr18	55483488	55486878 hs1643
Chr18	55518917	55521029 hs1371
Chr18	55784854	55787217 mm1581
Chr18	56042247	56043293 hs2325
Chr18	65514203	65517793 mm1322
Chr18	69499161	69500797 hs376
Chr18	69562176	69563579 hs1537
Chr18	69844647	69846012 hs1013
Chr18	72724153	72726078 hs1384
Chr18	73058910	73061058 hs1726
Chr18	75501597	75505830 mm18
Chr18	75502363	75503667 mm257
Chr18	76556127	76556905 hs679
Chr18	78236924	78239279 hs1440
Chr18	78335782	78336542 mm173
Chr18	78454573	78456222 hs1363
Chr18	78972132	78974155 hs2336
Chr18	79047866	79051718 hs1362
Chr18	79070342	79072740 hs2335
Chr18	8043683	8045852 hs1334
Chr18	80099932	80102587 mm1711
Chr18	80811437	80812175 hs775
Chr18	81152972	81154539 hs1056

Chr18	81165710	81167180	hs1011
Chr18	81509178	81510770	hs634
Chr18	81830667	81831963	hs1186
Chr18	81897381	81899436	hs1020
Chr18	9146715	9148876	hs1567
Chr18	9215673	9216934	mm1632
Chr18	9215948	9217732	hs1588
Chr19	14123241	14124629	hs1004
Chr19	14506310	14508632	hs1360
Chr19	14565295	14568168	hs1078
Chr19	14776716	14777986	hs1041
Chr19	14890554	14892150	hs313
Chr19	14939835	14941282	hs765
Chr19	15340182	15341550	hs312
Chr19	15800831	15804666	hs1585
Chr19	15835662	15838956	hs1530
Chr19	21783786	21786142	mm1610
Chr19	24945396	24946544	hs628
Chr19	25607278	25609178	hs112
Chr19	26844388	26847098	hs1743
Chr19	27904248	27905597	hs1350
Chr19	36129039	36129586	hs495
Chr19	41715402	41718238	mm1552
Chr19	44514132	44515870	hs1006
Chr19	47301206	47302242	mm1098
Chr19	5810095	5812698	hs1759
Chr19	59132961	59134097	hs841
Chr19	59267128	59268278	mm447
Chr19	59465505	59466798	hs1032
Chr19	59466736	59467688	hs935
Chr19	59717098	59718467	hs1236
Chr19	60015442	60016837	mm449
Chr19	60203058	60204722	hs672
Chr2	101589988	101594341	mm1328
Chr2	103623986	103627532	mm1312
Chr2	105515855	105516711	hs855
Chr2	105611041	105614025	hs1531
Chr2	105689599	105691449	hs1082
Chr2	105778530	105780039	hs234
Chr2	105833387	105834697	hs565
Chr2	105913336	105914486	hs863
Chr2	12065185	12068019	mm30
Chr2	115537684	115539308	hs355
Chr2	115656958	115658248	hs828
Chr2	115919997	115921651	hs181
Chr2	116200855	116202747	hs572
Chr2	116323402	116325066	hs599

Chr2	116807729	116809252	hs830
Chr2	117427080	117430606	mm1368
Chr2	118532227	118534856	hs1611
Chr2	130351805	130352389	hs632
Chr2	130489314	130493856	mm1313
Chr2	132426454	132429102	mm1391
Chr2	146324701	146325932	hs688
Chr2	146957766	146960813	hs914
Chr2	147180290	147181581	hs1205
Chr2	152399091	152399726	mm271
Chr2	152734876	152735572	hs480
Chr2	153481176	153485061	hs2225
Chr2	153851282	153854369	hs2101
Chr2	154425426	154428462	mm1461
Chr2	160244493	160245157	mm645
Chr2	160382008	160382874	hs1086
Chr2	163188663	163191536	mm1561
Chr2	166019657	166023462	mm1346
Chr2	166215189	166217391	mm1515
Chr2	166426404	166428660	mm1298
Chr2	168049064	168050864	hs1860
Chr2	168693119	168695892	mm1375
Chr2	174856549	174860580	mm38
Chr2	21008806	21012242	mm1447
Chr2	25124845	25128090	mm1454
Chr2	26132283	26133723	mm561
Chr2	26517259	26517274	hs2207
Chr2	30646231	30648463	mm1612
Chr2	31499311	31500827	hs1328
Chr2	31640644	31641311	hs876
Chr2	32127730	32128586	mm194
Chr2	32816287	32817280	hs2342
Chr2	33788143	33790459	hs186
Chr2	34033022	34033763	hs1015
Chr2	34064832	34066528	hs987
Chr2	34255333	34257138	hs1017
Chr2	34359231	34360874	hs818
Chr2	34363448	34364810	hs1030
Chr2	38142558	38144874	hs314
Chr2	4348338	4349353	mm419
Chr2	4556144	4557875	mm422
Chr2	43977738	43979507	hs675
Chr2	45023631	45025444	hs407
Chr2	45171143	45172955	hs1802
Chr2	45225128	45226724	mm1737
Chr2	46666275	46667373	hs649
Chr2	46669500	46670495	hs568

Chr2	47183582	47185337	hs609
Chr2	50969347	50972438	hs1386
Chr2	56576465	56577480	hs411
Chr2	57517307	57518247	hs413
Chr2	57671881	57672832	hs662
Chr2	57793277	57794576	hs573
Chr2	6260988	6262915	hs1382
Chr2	61656142	61656716	hs416
Chr2	61764029	61766486	hs2337
Chr2	63962796	63964416	hs170
Chr2	64079255	64080739	hs640
Chr2	65662394	65664905	mm777
Chr2	69998509	69999848	hs1867
Chr2	71418479	71422071	mm55
Chr2	71418555	71419483	hs646
Chr2	71516484	71518219	hs553
Chr2	71535378	71536557	hs422
Chr2	72426155	72427698	hs242
Chr2	73142671	73144272	hs244
Chr2	73268418	73269496	hs860
Chr2	73275594	73277184	hs953
Chr2	74650860	74652235	hs246
Chr2	75422202	75424576	mm515
Chr3	108409603	108412500	hs2216
Chr3	119361441	119362693	hs671
Chr3	122047471	122049247	mm435
Chr3	127626841	127627904	hs981
Chr3	127705248	127707248	mm1549
Chr3	128450190	128451285	hs559
Chr3	129103805	129105710	hs930
Chr3	130737080	130738563	hs1050
Chr3	130961754	130964427	hs1545
Chr3	134302377	134303702	hs260
Chr3	142237411	142239503	hs1438
Chr3	143100891	143102626	hs327
Chr3	143985055	143986394	hs1161
Chr3	144173688	144175123	hs174
Chr3	144173814	144174949	hs322
Chr3	145964099	145964929	mm311
Chr3	28491069	28491909	mm492
Chr3	34103627	34105807	hs192
Chr3	34411658	34412604	mm1529
Chr3	35087536	35089765	hs1332
Chr3	35403694	35406710	mm996
Chr3	37671698	37674083	hs1582
Chr3	37934422	37937092	mm1599
Chr3	39047258	39049329	hs1389

Chr3	40119575	40120620 mm554
Chr3	5223534	5226222 hs1318
Chr3	5348379	5351461 mm1577
Chr3	5386841	5389926 mm1541
Chr3	5754492	5756119 hs742
Chr3	51787852	51791869 mm1452
Chr3	51907571	51910645 mm1388
Chr3	55753971	55757759 hs1333
Chr3	55964734	55966742 hs1330
Chr3	66044739	66048122 hs2571
Chr3	66934735	66937240 hs1251
Chr3	66938323	66940117 hs1262
Chr3	67036007	67037651 hs636
Chr3	67212683	67213884 hs1413
Chr3	76465722	76469421 mm1370
Chr3	8865055	8867293 hs1305
Chr3	84937097	84939573 hs1361
Chr3	87982625	87986876 hs1891
Chr3	9346755	9348294 mm551
Chr3	97941911	97942887 mm576
Chr4	107024536	107026405 mm1261
Chr4	108361018	108364528 mm1490
Chr4	109762244	109763771 hs200
Chr4	109858711	109860443 hs194
Chr4	11761242	11763766 mm1633
Chr4	117646906	117647610 hs277
Chr4	117828714	117831599 hs1857
Chr4	123990360	123991795 hs1139
Chr4	124359244	124361242 hs1546
Chr4	124477456	124479254 hs1001
Chr4	128714414	128717015 mm1684
Chr4	128714851	128716970 hs1388
Chr4	13786474	13789660 hs1599
Chr4	14024600	14026426 hs669
Chr4	132032113	132036152 mm1387
Chr4	136754322	136758801 mm1494
Chr4	139830774	139832378 hs1702
Chr4	140102870	140105694 mm1730
Chr4	148808781	148809416 hs408
Chr4	148855953	148860332 hs2094
Chr4	148859471	148860956 mm1532
Chr4	149892945	149894331 hs1615
Chr4	154456294	154457167 hs705
Chr4	154471428	154474118 mm1087
Chr4	154771105	154772345 mm1088
Chr4	22835083	22836757 hs1085
Chr4	23049133	23051886 hs1081

Chr4	23147678	23148835	hs1128
Chr4	23601771	23603172	hs563
Chr4	23636061	23637408	hs567
Chr4	23983452	23984307	hs282
Chr4	24018817	24020246	hs1035
Chr4	24212230	24215243	hs1564
Chr4	24428853	24430297	hs978
Chr4	24669206	24670330	hs676
Chr4	32301903	32305410	mm720
Chr4	32530396	32532759	mm510
Chr4	44851630	44852605	hs901
Chr4	46366953	46368597	hs1597
Chr4	46366953	46371362	hs1717
Chr4	5962013	5963794	hs1364
Chr4	54611226	54614736	mm814
Chr4	6912470	6914779	hs1326
Chr4	63056998	63058386	hs641
Chr4	64437750	64439209	hs1625
Chr4	65237235	65239737	mm774
Chr4	71483744	71484988	hs240
Chr4	71839683	71841070	hs722
Chr4	72068926	72069840	hs1118
Chr4	72166327	72168960	hs1359
Chr4	72196487	72197365	hs556
Chr4	75700793	75701396	hs304
Chr4	81960417	81961865	hs852
Chr4	82915373	82918271	mm56
Chr4	84529017	84529746	hs307
Chr4	84986009	84988497	hs529
Chr4	90437298	90438340	hs643
Chr4	98107609	98110094	hs1309
Chr4	98221540	98224627	hs1484
Chr4	98242382	98245050	hs1450
Chr4	99573882	99574766	hs764
Chr5	101031954	101033223	hs712
Chr5	101496956	101497906	hs680
Chr5	106564330	106566018	hs612
Chr5	111508634	111510493	mm594
Chr5	112236129	112240520	mm1451
Chr5	112663045	112665135	mm1731
Chr5	114298723	114301210	mm1522
Chr5	120135778	120136934	mm144
Chr5	120135887	120136924	hs1673
Chr5	120287382	120288927	hs1571
Chr5	122032502	122033355	hs611
Chr5	125214963	125216753	mm1533
Chr5	125392751	125395599	mm1607

Chr5	131918853	131921484	hs2318
Chr5	131948445	131949773	hs658
Chr5	132032771	132035460	hs1425
Chr5	132293079	132295164	hs2315
Chr5	139536245	139537428	hs293
Chr5	143000569	143009825	hs1623
Chr5	147155041	147156530	hs1568
Chr5	147222660	147224221	hs532
Chr5	149352159	149354367	mm1702
Chr5	21731579	21734432	mm1463
Chr5	24730554	24731843	mm394
Chr5	25005604	25008341	hs2199
Chr5	25008595	25011977	hs2200
Chr5	28178923	28180422	hs1418
Chr5	33575293	33575875	hs526
Chr5	37825669	37829220	mm426
Chr5	4856663	4859895	hs1633
Chr5	4867060	4869936	hs1628
Chr5	4875240	4879650	hs1627
Chr5	42522949	42524031	hs842
Chr5	5007239	5009906	mm49
Chr5	67423705	67424669	hs847
Chr5	75012461	75013668	hs687
Chr5	76662343	76666797	hs1651
Chr5	77486940	77489925	mm1340
Chr5	84811330	84812261	hs840
Chr6	11534744	11535814	hs793
Chr6	112808528	112813000	mm1480
Chr6	118186382	118187263	hs2326
Chr6	118300499	118301761	hs2497
Chr6	118327024	118327138	hs2327
Chr6	120353928	120355330	hs1574
Chr6	120928614	120932248	hs2543
Chr6	127250137	127252417	mm1531
Chr6	137823549	137824777	hs798
Chr6	138250896	138252847	hs607
Chr6	138581719	138583348	hs661
Chr6	138750055	138755631	hs1532
Chr6	138872005	138874064	hs993
Chr6	139142856	139144124	hs605
Chr6	139293287	139294551	hs980
Chr6	14980242	14981244	hs720
Chr6	144312294	144314020	hs895
Chr6	145855046	145857046	mm1548
Chr6	15187323	15189118	hs218
Chr6	15257106	15258522	hs999
Chr6	15411326	15413759	hs956

Chr6	15435024	15437812	hs966
Chr6	15610145	15610753	hs1192
Chr6	16725956	16729599	hs1798
Chr6	23271299	23275344	hs1809
Chr6	28395025	28398247	hs1308
Chr6	50821119	50823589	mm402
Chr6	50889578	50892588	hs1677
Chr6	51001488	51004105	hs1600
Chr6	51076186	51078598	hs1325
Chr6	51878612	51879694	hs296
Chr6	52365164	52368224	mm1524
Chr6	6161772	6164755	hs1642
Chr6	6861655	6862377	hs298
Chr6	61041566	61044404	hs1374
Chr6	65309702	65311689	mm1557
Chr6	71989333	71992061	mm1722
Chr6	85164955	85166474	hs1025
Chr6	89241345	89243919	mm1516
Chr6	89613039	89615855	mm1597
Chr6	9834714	9835886	hs799
Chr6	90780495	90784241	mm1470
Chr6	91144563	91149338	mm1314
Chr6	93818356	93823383	mm1316
Chr6	94647419	94648994	mm1736
Chr6	94753098	94757440	mm878
Chr6	99066719	99068664	hs1092
Chr6	99201230	99203437	hs187
Chr7	93060869	93063626	mm1534
Chr7	108796607	108799113	mm686
Chr7	109113133	109117303	hs1859
Chr7	110667926	110669627	hs2289
Chr7	112824612	112827409	hs1314
Chr7	115131420	115132739	hs692
Chr7	115745167	115746401	hs883
Chr7	115864594	115867473	hs1301
Chr7	117685707	117687616	mm1558
Chr7	130667903	130671018	mm1647
Chr7	131463946	131465852	hs1319
Chr7	133189780	133190441	hs330
Chr7	135137921	135140618	mm1401
Chr7	136083205	136084349	hs737
Chr7	136490620	136492389	hs699
Chr7	136737154	136739340	hs562
Chr7	137002009	137003274	hs656
Chr7	137250056	137251790	hs232
Chr7	140056813	140059080	mm1489
Chr7	142547512	142549546	hs1488

Chr7	145204877	145207696 mm1497
Chr7	37649561	37652733 hs430
Chr7	48749001	48750980 mm1586
Chr7	48824185	48826415 hs2144
Chr7	51770962	51773465 mm683
Chr7	63956077	63960826 hs2231
Chr7	70117148	70119432 hs1320
Chr7	72540417	72543228 hs1686
Chr7	75909983	75910682 mm485
Chr7	76437642	76440363 mm1397
Chr8	98309177	98310337 hs1383
Chr8	108243823	108246831 mm1540
Chr8	108454367	108455837 hs1724
Chr8	109034349	109035846 hs20
Chr8	109436455	109437561 hs22
Chr8	111716205	111718382 mm1686
Chr8	114744435	114745938 hs12
Chr8	116163758	116166268 mm1394
Chr8	116335144	116337629 hs4
Chr8	120347326	120349077 mm1642
Chr8	120423908	120427305 mm1674
Chr8	121002895	121003512 hs1
Chr8	121667955	121670941 mm323
Chr8	126665421	126667756 mm1295
Chr8	15047444	15051156 hs2514
Chr8	25543011	25545762 mm612
Chr8	26384787	26385647 hs631
Chr8	26832486	26834858 mm1598
Chr8	31942005	31944993 mm151
Chr8	50708168	50709135 hs886
Chr8	7439758	7441123 hs759
Chr8	8488054	8491339 mm985
Chr8	80314046	80315940 hs906
Chr8	84728902	84732705 mm21
Chr8	87120551	87122269 hs101
Chr8	87151207	87154296 mm1336
Chr8	87835970	87837269 hs625
Chr8	88939020	88940224 hs79
Chr8	89005819	89007424 hs152
Chr8	89086387	89087574 hs76
Chr8	89270665	89273482 mm984
Chr8	89323884	89325178 hs848
Chr8	89371089	89371832 hs74
Chr8	89464933	89465803 hs71
Chr8	90213533	90214666 hs161
Chr8	90243821	90246886 hs1300
Chr8	90738604	90742411 mm871

Chr8	90860971	90863490 mm1483
Chr8	91508767	91510326 hs155
Chr8	91966331	91968303 mm1651
Chr8	92025551	92027539 hs43
Chr8	92094559	92095829 hs37
Chr8	92545404	92546474 hs26
Chr8	92742867	92744200 hs23
Chr8	93916782	93919741 mm1458
Chr9	100130871	100131770 hs653
Chr9	100194020	100195329 hs210
Chr9	100210151	100211937 hs209
Chr9	102643318	102645182 mm1302
Chr9	118317970	118319794 hs1557
Chr9	120601909	120604533 mm1406
Chr9	120618446	120621531 mm976
Chr9	121311714	121314947 mm1661
Chr9	13697970	13700760 mm1371
Chr9	14173191	14175995 hs2531
Chr9	23010878	23012755 mm1296
Chr9	23083132	23084710 mm1696
Chr9	23377927	23379852 hs1336
Chr9	24922166	24923116 hs472
Chr9	35423876	35427017 hs1641
Chr9	37053339	37055278 mm577
Chr9	41734978	41737961 mm1608
Chr9	41735463	41736836 hs872
Chr9	43564181	43568174 hs1915
Chr9	46381147	46381838 hs1632
Chr9	52147924	52150392 hs1311
Chr9	61600844	61603666 mm29
Chr9	63058010	63060489 mm1509
Chr9	63880198	63881507 hs660
Chr9	71974986	71975900 hs623
Chr9	71975967	71976730 hs357
Chr9	86186309	86188376 mm1553
Chr9	87155250	87164091 hs2063
Chr9	90419621	90421316 hs1115
Chr9	90691309	90692525 hs1203
Chr9	90692809	90693922 hs654
Chr9	90833186	90835005 hs1224
Chr9	90902260	90905637 hs1573
Chr9	91087948	91090091 hs1173
Chr9	91366858	91368202 hs1043
Chr9	95812717	95815609 mm1367

Supplemental Table S17: TARs overlapping VISTA brain enhancers

Subalignment ID	VISTA EnhancerID

Chr1.139922	hs1202
Chr1.143478	mm1677
Chr1.148048	hs545
Chr1.24225	mm1333
Chr1.25625	hs1555
Chr1.25789	hs1526
Chr1.26178	hs1303
Chr1.26509	hs1131
Chr1.26518	hs1131
Chr1.3947	mm1416
Chr1.53067	hs1578
Chr1.64703	mm1045
Chr1.84984	mm1317
Chr10.11970	hs1644
Chr10.30997	hs1302
Chr10.32128	hs1690
Chr10.55202	mm1692
Chr10.55206	mm1692
Chr10.55210	mm1692
Chr10.83444	hs1341
Chr10.83449	hs1341
Chr11.125822	mm1102
Chr11.146662	mm1622
Chr11.20524	mm1555
Chr11.88579	hs1725
Chr12.14565	hs1527
Chr12.16560	hs1496
Chr12.21255	hs644
Chr12.21257	hs644
Chr12.26095	hs550
Chr12.26096	hs550
Chr12.63176	mm1469
Chr12.63179	mm1469
Chr12.72089	hs1466
Chr12.73959	mm296
Chr12.9613	mm1310
Chr13.15798	hs1352
Chr13.18295	hs1340
Chr13.26437	hs1315
Chr13.33985	mm132
Chr13.36242	hs1175
Chr13.38621	hs1256
Chr13.48497	hs1258
Chr13.57359	hs271
Chr13.59009	hs1024

Chr13.64577	mm1660
Chr13.64577	hs268
Chr13.7282	hs111
Chr13.94339	hs1321
Chr14.13015	hs595
Chr14.13128	mm1738
Chr14.18814	mm1446
Chr14.40386	hs1791
Chr14.6040	hs1316
Chr14.90684	hs1394
Chr14.92895	mm1111
Chr15.9778	mm13
Chr15.9778	hs1312
Chr16.14325	hs1620
Chr16.25833	hs1344
Chr16.39840	hs1648
Chr16.43209	mm1637
Chr16.84117	hs2333
Chr17.25001	hs1366
Chr17.44070	mm1691
Chr17.79536	hs541
Chr18.29419	mm1614
Chr18.29423	mm1614
Chr18.4896	hs1650
Chr18.55358	hs1371
Chr18.78976	hs2336
Chr19.17214	hs1078
Chr19.42781	mm1552
Chr19.46830	hs1006
Chr19.67458	hs935
Chr2.115468	hs1531
Chr2.115473	hs1531
Chr2.125796	hs355
Chr2.164116	hs688
Chr2.169975	hs2225
Chr2.35701	hs818
Chr2.40712	hs314
Chr2.77285	hs553
Chr2.84016	mm515
Chr3.105152	mm1549
Chr3.105160	mm1549
Chr3.109130	hs1545
Chr3.109133	hs1545
Chr3.112191	hs260
Chr3.112194	hs260
Chr3.1482	mm1577
Chr3.1486	mm1577

Chr3.1491	mm1577
Chr3.1577	mm1541
Chr3.23893	mm996
Chr3.23907	mm996
Chr4.15029	hs1035
Chr4.15578	hs676
Chr4.21644	mm510
Chr4.41212	mm814
Chr4.41217	mm814
Chr4.48080	hs641
Chr4.49990	hs1625
Chr4.50759	mm774
Chr4.56654	hs1359
Chr4.63346	hs852
Chr4.80817	hs1309
Chr4.90934	mm1261
Chr5.101172	mm144
Chr5.101172	hs1673
Chr5.104403	hs611
Chr5.127791	hs1623
Chr5.127793	hs1623
Chr5.13199	mm1463
Chr5.2257	hs1628
Chr5.28878	mm426
Chr6.10680	hs218
Chr6.21927	hs1308
Chr6.45382	mm402
Chr6.45484	hs1677
Chr6.45499	hs1677
Chr6.45719	hs1600
Chr6.45722	hs1600
Chr6.69554	hs1025
Chr7.93730	hs1301
Chr8.74966	mm1483
Chr8.79485	mm1458
Chr8.84593	hs1383
Chr9.123849	mm1406
Chr9.14848	mm1696
Chr9.27681	hs1641
Chr9.36553	hs1915
Chr9.50668	hs1311
Chr9.5451	mm1371

Supplemental Table S18: WARs overlapping VISTA brain enhancers

Subalignment ID	VISTA EnhancerID

Chr12.16192	mm1609
Chr13.64567	mm1660
Chr16.26096	hs1543
Chr2.54442	hs1386
Chr4.107467	hs1139
Chr6.3381	hs2313
Chr8.74136	hs1300

Supplemental Table S19: TWAR-associated genes expressed in the basal ganglia and ganglionic eminences**Term: TS28_basal ganglia (ID: 14354) and Term: TS23_ganglionic eminence (ID: 15613) from MGI Expression: Detected**

<i>Acvr2a</i>	TWAR4.Chr2 (-83151), TWAR5.Chr2 (+1296), TWAR6.Chr2 (+1574)
<i>Adar</i>	TWAR19.Chr3 (-76868)
<i>Apc</i>	TWAR2.Chr18 (-83867)
<i>Baz2a</i>	TWAR20.Chr10 (+56928)
<i>Bcl10</i>	TWAR28.Chr3 (-125789)
<i>Bmpr1b</i>	TWAR25.Chr3 (+514696)
<i>Noct</i>	TWAR10.Chr3 (-67229)
<i>Cdh11</i>	TWAR4.Chr8 (+4054)
<i>Csnk1g3</i>	TWAR8.Chr18 (+230281), TWAR9.Chr18 (+829702), TWAR10.Chr18 (+984970)
<i>Dcc</i>	TWAR14.Chr18 (-812926)
<i>Etna5</i>	TWAR3.Chr17 (-256327)
<i>Etna5</i>	TWAR3.Chr17 (+18283)
<i>Elavl4</i>	TWAR12.Chr4 (-3913)
<i>Enc1</i>	TWAR18.Chr13 (+273613)
<i>Ephb1</i>	TWAR12.Chr9 (+160381)
<i>Fbln5</i>	TWAR8.Chr12 (+1550)
<i>Fgf1</i>	TWAR3.Chr18 (+252524)
<i>Foxd1</i>	TWAR22.Chr13 (+138492), TWAR23.Chr13 (+191997)
<i>Gpr3</i>	TWAR20.Chr4 (+11768)
<i>Hes1</i>	TWAR2.Chr16 (-381751), TWAR4.Chr16 (-9257), TWAR5.Chr16 (-4824)
<i>Hif1a</i>	TWAR5.Chr12 (+1448)
<i>Homer1</i>	TWAR13.Chr13 (-4437)
<i>Igf1</i>	TWAR9.Chr10 (-207483)
<i>Limch1</i>	TWAR7.Chr5 (+191751), TWAR8.Chr5 (+223796), TWAR10.Chr5 (+247436)
<i>Lrrc4</i>	TWAR9.Chr6 (+280954)
<i>Met</i>	TWAR1.Chr6 (+66432)
<i>Msi2</i>	TWAR11.Chr11 (+220164)
<i>Mylk</i>	TWAR7.Chr16 (+209909)
<i>Myo10</i>	TWAR1.Chr15 (+1265)
<i>Myo1b</i>	TWAR3.Chr1 (+218523)
<i>Nr4a2</i>	TWAR18.Chr2 (+756)
<i>Nrp2</i>	TWAR7.Chr1 (-55582), TWAR8.Chr1 (+82341)
<i>Nsf</i>	TWAR13.Chr11 (+137953)
<i>Ntm</i>	TWAR4.Chr9 (-187245)
<i>Odc1</i>	TWAR1.Chr12 (-154581)
<i>Parp2</i>	TWAR3.Chr14 (-263)
<i>Ppfia4</i>	TWAR13.Chr1 (-9522)
<i>Prox1</i>	TWAR21.Chr1 (-89138)
<i>Prpf40a</i>	TWAR16.Chr2 (+154157)
<i>Rnd3</i>	TWAR11.Chr2 (-382553), TWAR9.Chr2 (-135978), TWAR8.Chr2 (+49123)
<i>Robo2</i>	TWAR14.Chr16 (+344901)
<i>S100a10</i>	TWAR20.Chr3 (+13804)
<i>Slc1a2</i>	TWAR38.Chr2 (+161763)
<i>Sobp</i>	TWAR5.Chr10 (+222224)
<i>Tac2</i>	TWAR19.Chr10 (+6453)
<i>Tbx3</i>	TWAR15.Chr5 (+71726)
<i>Unc5c</i>	TWAR25.Chr3 (+2004)
<i>Wnt7a</i>	TWAR15.Chr6 (+61573)
<i>Zfhx3</i>	TWAR7.Chr8 (-479609)
<i>Zic1</i>	TWAR11.Chr9 (+361749)

Supplemental Table S20: GREAT GO Biological Process enrichment of TWAR-associated genes

Term Name	Binom Raw P-Value	Binom FDR Q-Val	Binom Fold Enrichment	Binom Observed Region Hits	Binom Region Set Coverage
cellular component movement	2.75E-11	2.77E-07	2.808441	48	0.2774566
cell migration	9.88E-11	4.97E-07	3.396204	36	0.2080925
cell motility	2.46E-10	8.26E-07	3.210819	37	0.2138728
stem cell differentiation	2.51E-10	6.31E-07	4.433054	26	0.150289
cell morphogenesis	3.44E-10	6.93E-07	2.926405	41	0.2369942
stem cell development	3.51E-10	5.89E-07	4.967528	23	0.132948
locomotion	7.81E-10	1.12284E-06	2.749023	43	0.2485549
cell morphogenesis involved in differentiation	8.15E-10	1.02545E-06	3.213237	35	0.2023121
anatomical structure morphogenesis	1.34E-09	1.49348E-06	2.003308	69	0.3988439
cellular component morphogenesis	2.30E-09	2.31546E-06	2.743095	41	0.2369942
cell development	1.01E-08	9.25989E-06	2.190996	54	0.3121387
neural crest cell differentiation	1.53E-08	1.28015E-05	7.145456	14	0.08092486
regulation of developmental process	1.63E-08	1.26493E-05	2.036592	60	0.3468208
tissue development	3.73E-08	2.34674E-05	2.109544	54	0.3121387
neural crest cell development	3.74E-08	2.21547E-05	7.337495	13	0.07514451
lateral line nerve development	5.07E-08	2.83699E-05	53.76506	5	0.02890173
cell morphogenesis involved in neuron differentiation	1.43E-07	6.56129E-05	3.143558	27	0.1560694
mesenchymal cell development	1.65E-07	7.20934E-05	5.41541	15	0.0867052
positive regulation of developmental process	1.91E-07	7.68941E-05	2.451397	38	0.2196532
autonomic nervous system development	2.17E-07	8.09766E-05	7.870077	11	0.06358382

Supplemental Table S21: TWAR-associated genes involved in cell migration and motility**Term: cell migration (ID: GO:0016477)**

<i>Apc</i>	TWAR2.Chr18 (-83867)
<i>Arid5b</i>	TWAR8.Chr10 (+130376)
<i>C230081a13rik</i>	TWAR7.Chr9 (-824)
<i>Dab2ip</i>	TWAR1.Chr2 (+40524)
<i>Dcc</i>	TWAR14.Chr18 (-812926)
<i>Ephb1</i>	TWAR12.Chr9 (+160381)
<i>ErbB4</i>	TWAR9.Chr1 (+1967)
<i>Fmn13</i>	TWAR8.Chr15 (+53644)
<i>Foxc1</i>	TWAR6.Chr13 (+164894)
<i>Foxd1</i>	TWAR22.Chr13 (+138492), TWAR23.Chr13 (+191997)
<i>Grem1</i>	TWAR42.Chr2 (+182414)
<i>Hes1</i>	TWAR2.Chr16 (-381751), TWAR4.Chr16 (-9257), TWAR5.Chr16 (-4824)
<i>Hif1a</i>	TWAR5.Chr12 (+1448)
<i>Il12a</i>	TWAR16.Chr3 (-118383)
<i>Itga5</i>	TWAR11.Chr15 (-16413)
<i>Mdga1</i>	TWAR1.Chr17 (+4332)
<i>Met</i>	TWAR1.Chr6 (+66432)
<i>Myh10</i>	TWAR7.Chr11 (-39), TWAR8.Chr11 (+1876)
<i>Nav1</i>	TWAR15.Chr1 (-17927)
<i>Nav1</i>	TWAR15.Chr1 (+84823)
<i>Ndel1</i>	TWAR8.Chr11 (+159344)
<i>Nr2f1</i>	TWAR12.Chr13 (+18379)
<i>Nr4a2</i>	TWAR18.Chr2 (+756)
<i>Nrp2</i>	TWAR7.Chr1 (-55582), TWAR8.Chr1 (+82341)
<i>Phox2b</i>	TWAR10.Chr5 (+106030), TWAR8.Chr5 (+129670), TWAR7.Chr5 (+161715)
<i>Prox1</i>	TWAR21.Chr1 (-89138)
<i>Prpf40a</i>	TWAR16.Chr2 (+154157)
<i>Sema6a</i>	TWAR6.Chr18 (-216893)
<i>Slit2</i>	TWAR2.Chr5 (+154254)
<i>Wasf2</i>	TWAR20.Chr4 (+69584)
<i>Wnt7a</i>	TWAR15.Chr6 (+61573)

Term: cell motility (ID: GO:0048870) and locomotion (ID: GO:0040011)

<i>Apc</i>	TWAR2.Chr18 (-83867)
<i>Arid5b</i>	TWAR8.Chr10 (+130376)
<i>C230081a13rik</i>	TWAR7.Chr9 (-824)
<i>Dab2ip</i>	TWAR1.Chr2 (+40524)
<i>Dcc</i>	TWAR14.Chr18 (-812926)
<i>Ephb1</i>	TWAR12.Chr9 (+160381)
<i>ErbB4</i>	TWAR9.Chr1 (+1967)
<i>Fmn13</i>	TWAR8.Chr15 (+53644)
<i>Foxc1</i>	TWAR6.Chr13 (+164894)
<i>Foxd1</i>	TWAR22.Chr13 (+138492), TWAR23.Chr13 (+191997)
<i>Grem1</i>	TWAR42.Chr2 (+182414)
<i>Hes1</i>	TWAR2.Chr16 (-381751), TWAR4.Chr16 (-9257), TWAR5.Chr16 (-4824)
<i>Hif1a</i>	TWAR5.Chr12 (+1448)
<i>Il12a</i>	TWAR16.Chr3 (-118383)
<i>Itga5</i>	TWAR11.Chr15 (-16413)
<i>Mdga1</i>	TWAR1.Chr17 (+4332)
<i>Met</i>	TWAR1.Chr6 (+66432)
<i>Myh10</i>	TWAR7.Chr11 (-39), TWAR8.Chr11 (+1876)
<i>Myo10</i>	TWAR1.Chr15 (+1265)
<i>Nav1</i>	TWAR15.Chr1 (-17927)
<i>Nav1</i>	TWAR15.Chr1 (+84823)

<i>Ndel1</i>	TWAR8.Chr11 (+159344)
<i>Nr2f1</i>	TWAR12.Chr13 (+18379)
<i>Nr4a2</i>	TWAR18.Chr2 (+756)
<i>Nrp2</i>	TWAR7.Chr1 (-55582), TWAR8.Chr1 (+82341)
<i>Phox2b</i>	TWAR10.Chr5 (+106030), TWAR8.Chr5 (+129670), TWAR7.Chr5 (+161715)
<i>Prox1</i>	TWAR21.Chr1 (-89138)
<i>Prpf40a</i>	TWAR16.Chr2 (+154157)
<i>Sema6a</i>	TWAR6.Chr18 (-216893)
<i>Slit2</i>	TWAR2.Chr5 (+154254)
<i>Wasf2</i>	TWAR20.Chr4 (+69584)
<i>Wnt7a</i>	TWAR15.Chr6 (+61573)

Supplemental Table S22: TWAR-associated genes involved in axon guidance	
Term: Genes involved in Axon guidance (ID: REACTOME_AXON_GUIDANCE)	
Gene	TWAR
<i>Alcam</i>	TWAR11.Chr16 (-15)
<i>Dcc</i>	TWAR14.Chr18 (-812926)
<i>Dpysl3</i>	TWAR4.Chr18 (-28551)
<i>Itga5</i>	TWAR11.Chr15 (-16413)
<i>Met</i>	TWAR1.Chr6 (+66432)
<i>Myh10</i>	TWAR7.Chr11 (-39), TWAR8.Chr11 (+1876)
<i>Myo10</i>	TWAR1.Chr15 (+1265)
<i>Nrcam</i>	TWAR4.Chr12 (+9725)
<i>Nrp2</i>	TWAR7.Chr1 (-55582), TWAR8.Chr1 (+82341)
<i>Pfn2</i>	TWAR15.Chr3 (+670)
<i>Robo2</i>	TWAR14.Chr16 (+344901)
<i>Sema6a</i>	TWAR6.Chr18 (-216893)
<i>Slit2</i>	TWAR2.Chr5 (+154254)
<i>Sptbn5</i>	TWAR46.Chr2 (-1945), TWAR45.Chr2 (+8783), TWAR44.Chr2 (+9130)
<i>Trio</i>	TWAR3.Chr15 (+237407)
<i>Unc5c</i>	TWAR25.Chr3 (+2004)

Supplemental Table S23: Comparison of pairwise branch lengths between UCSC and modified tree models					
UCSC original tree model			Modified tree model		
Species 1	Species 2	Branch length between species	Species 1	Species 2	Branch length between species
anoCar2	ailMel1	1.39712596	anoCar2	ailMel1	1.40132772
bosTau7	ailMel1	0.35577593	bosTau7	ailMel1	0.35658916
calJac3	ailMel1	0.37254096	calJac3	ailMel1	0.37256179
canFam3	ailMel1	0.1656537	Clup	ailMel1	0.1822516
cavPor3	ailMel1	0.4993569	cavPor3	ailMel1	0.50259514
choHof1	ailMel1	0.37238651	choHof1	ailMel1	0.37175376
chrPic1	ailMel1	1.01077686	chrPic1	ailMel1	1.01757225
danRer7	ailMel1	2.18423366	danRer7	ailMel1	2.19236094
dasNov3	ailMel1	0.38700671	dasNov3	ailMel1	0.38737486
dipOrd1	ailMel1	0.4997199	dipOrd1	ailMel1	0.50171534
echTel1	ailMel1	0.56490221	echTel1	ailMel1	0.56525695
equCab2	ailMel1	0.2581075	equCab2	ailMel1	0.2585468
eriEur1	ailMel1	0.44851639	eriEur1	ailMel1	0.4510043
felCat5	ailMel1	0.1883753	felCat5	ailMel1	0.1879174
fr3	ailMel1	2.31912926	fr3	ailMel1	2.32582888
gadMor1	ailMel1	2.16303766	gadMor1	ailMel1	2.15446694
galGal4	ailMel1	1.23683184	galGal4	ailMel1	1.24224648
gasAcu1	ailMel1	2.15813836	gasAcu1	ailMel1	2.16756114
gorGor3	ailMel1	0.35718952	gorGor3	ailMel1	0.35762177
hetGla2	ailMel1	0.4542131	hetGla2	ailMel1	0.45647374
hg19	ailMel1	0.35784288	hg19	ailMel1	0.35704323
latCha1	ailMel1	1.44723566	latCha1	ailMel1	1.45664025
loxAfr3	ailMel1	0.38520817	loxAfr3	ailMel1	0.38508427
macEug2	ailMel1	0.81386306	macEug2	ailMel1	0.81580955
melGal1	ailMel1	1.25199884	melGal1	ailMel1	1.25807218
melUnd1	ailMel1	1.16579196	melUnd1	ailMel1	1.17076872
micMur1	ailMel1	0.35881196	micMur1	ailMel1	0.35858919
mm10	ailMel1	0.5768202	mm10	ailMel1	0.57888024
monDom5	ailMel1	0.81256716	monDom5	ailMel1	0.81325915
myoLuc2	ailMel1	0.32590488	myoLuc2	ailMel1	0.32784213
nomLeu2	ailMel1	0.35672266	nomLeu2	ailMel1	0.35735149
ochPri2	ailMel1	0.52948046	ochPri2	ailMel1	0.53188535
oreNil2	ailMel1	2.19375726	oreNil2	ailMel1	2.20023988
ornAna1	ailMel1	1.04126086	ornAna1	ailMel1	1.04462825
oryCun2	ailMel1	0.43815346	oryCun2	ailMel1	0.44081535
oryLat2	ailMel1	2.21603266	oryLat2	ailMel1	2.22342794
otoGar3	ailMel1	0.39422916	otoGar3	ailMel1	0.39483029
oviAri1	ailMel1	0.36344363	oviAri1	ailMel1	0.36404036
panTro4	ailMel1	0.35802462	panTro4	ailMel1	0.35763661
papHam1	ailMel1	0.36014926	papHam1	ailMel1	0.36097699
ponAbe2	ailMel1	0.35764675	ponAbe2	ailMel1	0.35761979
proCap1	ailMel1	0.46666217	proCap1	ailMel1	0.46792947
pteVam1	ailMel1	0.30277388	pteVam1	ailMel1	0.30331813
rheMac3	ailMel1	0.36031391	rheMac3	ailMel1	0.36018155
rn5	ailMel1	0.5835538	rn5	ailMel1	0.58526644
saiBol1	ailMel1	0.37162256	saiBol1	ailMel1	0.37171989
sarHar1	ailMel1	0.83468106	sarHar1	ailMel1	0.85281335
sorAra1	ailMel1	0.49220139	sorAra1	ailMel1	0.4967833
speTri2	ailMel1	0.39942736	speTri2	ailMel1	0.40132035
susScr3	ailMel1	0.32779396	susScr3	ailMel1	0.32830905
taeGut1	ailMel1	1.24969284	taeGut1	ailMel1	1.25586248
tarSyr1	ailMel1	0.38040346	tarSyr1	ailMel1	0.38207869
tetNig2	ailMel1	2.34358726	tetNig2	ailMel1	2.34974288
triMan1	ailMel1	0.36352011	triMan1	ailMel1	0.36419756
tupBel1	ailMel1	0.40531836	tupBel1	ailMel1	0.40659369
turTru2	ailMel1	0.29378353	turTru2	ailMel1	0.29389576
vicPac1	ailMel1	0.31965513	vicPac1	ailMel1	0.32046916
xenTro3	ailMel1	1.72879586	xenTro3	ailMel1	1.75975825
ailMel1	anoCar2	1.39712596	ailMel1	anoCar2	1.40132772
bosTau7	anoCar2	1.42954757	bosTau7	anoCar2	1.43686778

calJac3	anoCar2	1.388032	calJac3	anoCar2	1.39404641
canFam3	anoCar2	1.40919266	Clup	anoCar2	1.43076412
cavPor3	anoCar2	1.51484794	cavPor3	anoCar2	1.52407976
choHof1	anoCar2	1.34159815	choHof1	anoCar2	1.34708118
chrPic1	anoCar2	0.7896671	chrPic1	anoCar2	0.78767947
danRer7	anoCar2	2.2371459	danRer7	anoCar2	2.23899816
dasNov3	anoCar2	1.35621835	dasNov3	anoCar2	1.36270228
dipOrd1	anoCar2	1.51521094	dipOrd1	anoCar2	1.52319996
echTel1	anoCar2	1.53411385	echTel1	anoCar2	1.54058437
equCab2	anoCar2	1.35775246	equCab2	anoCar2	1.36348492
eriEur1	anoCar2	1.52814137	eriEur1	anoCar2	1.53484482
felCat5	anoCar2	1.38824026	felCat5	anoCar2	1.39378532
fr3	anoCar2	2.3720415	fr3	anoCar2	2.3724661
gadMor1	anoCar2	2.2159499	gadMor1	anoCar2	2.20110416
galGal4	anoCar2	0.99007788	galGal4	anoCar2	0.99630276
gasAcu1	anoCar2	2.2110506	gasAcu1	anoCar2	2.21419836
gorGor3	anoCar2	1.37268056	gorGor3	anoCar2	1.37910639
hetGla2	anoCar2	1.46970414	hetGla2	anoCar2	1.47795836
hg19	anoCar2	1.37333392	hg19	anoCar2	1.37852785
latCha1	anoCar2	1.5001479	latCha1	anoCar2	1.50327747
loxAfr3	anoCar2	1.35441981	loxAfr3	anoCar2	1.36041169
macEug2	anoCar2	1.2911407	macEug2	anoCar2	1.29536097
melGal1	anoCar2	1.00524488	melGal1	anoCar2	1.01212846
melUnd1	anoCar2	0.919038	melUnd1	anoCar2	0.924825
micMur1	anoCar2	1.374303	micMur1	anoCar2	1.38007381
mm10	anoCar2	1.59231124	mm10	anoCar2	1.60036486
monDom5	anoCar2	1.2898448	monDom5	anoCar2	1.29281057
myoLuc2	anoCar2	1.41342988	myoLuc2	anoCar2	1.42067239
nomLeu2	anoCar2	1.3722137	nomLeu2	anoCar2	1.37883611
ochPri2	anoCar2	1.5449715	ochPri2	anoCar2	1.55336997
oreNil2	anoCar2	2.2466695	oreNil2	anoCar2	2.2468771
ornAna1	anoCar2	1.3643651	ornAna1	anoCar2	1.36680347
oryCun2	anoCar2	1.4536445	oryCun2	anoCar2	1.46229997
oryLat2	anoCar2	2.2689449	oryLat2	anoCar2	2.27006516
otoGar3	anoCar2	1.4097202	otoGar3	anoCar2	1.41631491
oviAri1	anoCar2	1.43721527	oviAri1	anoCar2	1.44431898
panTro4	anoCar2	1.37351566	panTro4	anoCar2	1.37912123
papHam1	anoCar2	1.3756403	papHam1	anoCar2	1.38246161
ponAbe2	anoCar2	1.37313779	ponAbe2	anoCar2	1.37910441
proCap1	anoCar2	1.43587381	proCap1	anoCar2	1.44325689
pteVam1	anoCar2	1.39029888	pteVam1	anoCar2	1.39614839
rheMac3	anoCar2	1.37580495	rheMac3	anoCar2	1.38166617
rn5	anoCar2	1.59904484	rn5	anoCar2	1.60675106
saiBol1	anoCar2	1.3871136	saiBol1	anoCar2	1.39320451
sarHar1	anoCar2	1.3119587	sarHar1	anoCar2	1.33236477
sorAra1	anoCar2	1.57182637	sorAra1	anoCar2	1.58062382
speTri2	anoCar2	1.4149184	speTri2	anoCar2	1.42280497
susScr3	anoCar2	1.4015656	susScr3	anoCar2	1.40858767
taeGut1	anoCar2	1.00293888	taeGut1	anoCar2	1.00991876
tarSyr1	anoCar2	1.3958945	tarSyr1	anoCar2	1.40356331
tetNig2	anoCar2	2.3964995	tetNig2	anoCar2	2.3963801
triMan1	anoCar2	1.33273175	triMan1	anoCar2	1.33952498
tupBel1	anoCar2	1.4208094	tupBel1	anoCar2	1.42807831
turTru2	anoCar2	1.36755517	turTru2	anoCar2	1.37417438
vicPac1	anoCar2	1.39342677	vicPac1	anoCar2	1.40074778
xenTro3	anoCar2	1.7817081	xenTro3	anoCar2	1.80639547
ailMel1	bosTau7	0.35577593	ailMel1	bosTau7	0.35658916
anoCar2	bosTau7	1.42954757	anoCar2	bosTau7	1.43686778
calJac3	bosTau7	0.40496257	calJac3	bosTau7	0.40810185
canFam3	bosTau7	0.36784263	Clup	bosTau7	0.38602556
cavPor3	bosTau7	0.53177851	cavPor3	bosTau7	0.5381352
choHof1	bosTau7	0.40480812	choHof1	bosTau7	0.40729382
chrPic1	bosTau7	1.04319847	chrPic1	bosTau7	1.05311231

danRer7	bosTau7	2.21665527	danRer7	bosTau7	2.227901
dasNov3	bosTau7	0.41942832	dasNov3	bosTau7	0.42291492
dipOrd1	bosTau7	0.53214151	dipOrd1	bosTau7	0.5372554
echTel1	bosTau7	0.59732382	echTel1	bosTau7	0.60079701
equCab2	bosTau7	0.31640243	equCab2	bosTau7	0.31874636
eriEur1	bosTau7	0.48679134	eriEur1	bosTau7	0.49010626
felCat5	bosTau7	0.34689023	felCat5	bosTau7	0.34904676
fr3	bosTau7	2.35155087	fr3	bosTau7	2.36136894
gadMor1	bosTau7	2.19545927	gadMor1	bosTau7	2.190007
galGal4	bosTau7	1.26925345	galGal4	bosTau7	1.27778654
gasAcu1	bosTau7	2.19055997	gasAcu1	bosTau7	2.2031012
gorGor3	bosTau7	0.38961113	gorGor3	bosTau7	0.39316183
hetGla2	bosTau7	0.48663471	hetGla2	bosTau7	0.4920138
hg19	bosTau7	0.39026449	hg19	bosTau7	0.39258329
latCha1	bosTau7	1.47965727	latCha1	bosTau7	1.49218031
loxAfr3	bosTau7	0.41762978	loxAfr3	bosTau7	0.42062433
macEug2	bosTau7	0.84628467	macEug2	bosTau7	0.85134961
melGal1	bosTau7	1.28442045	melGal1	bosTau7	1.29361224
melUnd1	bosTau7	1.19821357	melUnd1	bosTau7	1.20630878
micMur1	bosTau7	0.39123357	micMur1	bosTau7	0.39412925
mm10	bosTau7	0.60924181	mm10	bosTau7	0.6144203
monDom5	bosTau7	0.84498877	monDom5	bosTau7	0.84879921
myoLuc2	bosTau7	0.37207985	myoLuc2	bosTau7	0.37593383
nomLeu2	bosTau7	0.38914427	nomLeu2	bosTau7	0.39289155
ochPri2	bosTau7	0.56190207	ochPri2	bosTau7	0.56742541
oreNil2	bosTau7	2.22617887	oreNil2	bosTau7	2.23577994
ornAna1	bosTau7	1.07368247	ornAna1	bosTau7	1.08016831
oryCun2	bosTau7	0.47057507	oryCun2	bosTau7	0.47635541
oryLat2	bosTau7	2.24845427	oryLat2	bosTau7	2.258968
otoGar3	bosTau7	0.42665077	otoGar3	bosTau7	0.43037035
oviAri1	bosTau7	0.0708309	oviAri1	bosTau7	0.0718242
panTro4	bosTau7	0.39044623	panTro4	bosTau7	0.39317667
papHam1	bosTau7	0.39257087	papHam1	bosTau7	0.39651705
ponAbe2	bosTau7	0.39006836	ponAbe2	bosTau7	0.39315985
proCap1	bosTau7	0.49908378	proCap1	bosTau7	0.50346953
pteVam1	bosTau7	0.34894885	pteVam1	bosTau7	0.35140983
rheMac3	bosTau7	0.39273552	rheMac3	bosTau7	0.39572161
rn5	bosTau7	0.61597541	rn5	bosTau7	0.6208065
saiBol1	bosTau7	0.40404417	saiBol1	bosTau7	0.40725995
sarHar1	bosTau7	0.86710267	sarHar1	bosTau7	0.88835341
sorAra1	bosTau7	0.53047634	sorAra1	bosTau7	0.53588526
speTri2	bosTau7	0.43184897	speTri2	bosTau7	0.43686041
susScr3	bosTau7	0.27126397	susScr3	bosTau7	0.27337611
taeGut1	bosTau7	1.28211445	taeGut1	bosTau7	1.29140254
tarSyr1	bosTau7	0.41282507	tarSyr1	bosTau7	0.41761875
tetNig2	bosTau7	2.37600887	tetNig2	bosTau7	2.38528294
triMan1	bosTau7	0.39594172	triMan1	bosTau7	0.39973762
tupBel1	bosTau7	0.43773997	tupBel1	bosTau7	0.44213375
turTru2	bosTau7	0.189143	turTru2	bosTau7	0.1908908
vicPac1	bosTau7	0.2557568	vicPac1	bosTau7	0.25843
xenTro3	bosTau7	1.76121747	xenTro3	bosTau7	1.79529831
ailMel1	calJac3	0.37254096	ailMel1	calJac3	0.37256179
anoCar2	calJac3	1.388032	anoCar2	calJac3	1.39404641
bosTau7	calJac3	0.40496257	bosTau7	calJac3	0.40810185
canFam3	calJac3	0.38460766	Clup	calJac3	0.40199819
cavPor3	calJac3	0.44733374	cavPor3	calJac3	0.45192183
choHof1	calJac3	0.36329255	choHof1	calJac3	0.36447245
chrPic1	calJac3	1.0016829	chrPic1	calJac3	1.01029094
danRer7	calJac3	2.1751397	danRer7	calJac3	2.18507963
dasNov3	calJac3	0.37791275	dasNov3	calJac3	0.38009355
dipOrd1	calJac3	0.44769674	dipOrd1	calJac3	0.45104203
echTel1	calJac3	0.55580825	echTel1	calJac3	0.55797564
equCab2	calJac3	0.33316746	equCab2	calJac3	0.33471899

eriEur1	calJac3	0.50355637	eriEur1	calJac3	0.50607889
felCat5	calJac3	0.36365526	felCat5	calJac3	0.36501939
fr3	calJac3	2.3100353	fr3	calJac3	2.31854757
gadMor1	calJac3	2.1539437	gadMor1	calJac3	2.14718563
galGal4	calJac3	1.22773788	galGal4	calJac3	1.23496517
gasAcu1	calJac3	2.1490444	gasAcu1	calJac3	2.16027983
gorGor3	calJac3	0.12496376	gorGor3	calJac3	0.12605078
hetGla2	calJac3	0.40218994	hetGla2	calJac3	0.40580043
hg19	calJac3	0.12561712	hg19	calJac3	0.12547224
latCha1	calJac3	1.4381417	latCha1	calJac3	1.44935894
loxAfr3	calJac3	0.37611421	loxAfr3	calJac3	0.37780296
macEug2	calJac3	0.8047691	macEug2	calJac3	0.80852824
melGal1	calJac3	1.24290488	melGal1	calJac3	1.25079087
melUnd1	calJac3	1.156698	melUnd1	calJac3	1.16348741
micMur1	calJac3	0.267662	micMur1	calJac3	0.269503
mm10	calJac3	0.52479704	mm10	calJac3	0.52820693
monDom5	calJac3	0.8034732	monDom5	calJac3	0.80597784
myoLuc2	calJac3	0.38884488	myoLuc2	calJac3	0.39190646
nomLeu2	calJac3	0.1244969	nomLeu2	calJac3	0.1257805
ochPri2	calJac3	0.4774573	ochPri2	calJac3	0.48121204
oreNil2	calJac3	2.1846633	oreNil2	calJac3	2.19295857
ornAna1	calJac3	1.0321669	ornAna1	calJac3	1.03734694
oryCun2	calJac3	0.3861303	oryCun2	calJac3	0.39014204
oryLat2	calJac3	2.2069387	oryLat2	calJac3	2.21614663
otoGar3	calJac3	0.3030792	otoGar3	calJac3	0.3057441
oviAri1	calJac3	0.41263027	oviAri1	calJac3	0.41555305
panTro4	calJac3	0.12579886	panTro4	calJac3	0.12606562
papHam1	calJac3	0.1279235	papHam1	calJac3	0.129406
ponAbe2	calJac3	0.12542099	ponAbe2	calJac3	0.1260488
proCap1	calJac3	0.45756821	proCap1	calJac3	0.46064816
pteVam1	calJac3	0.36571388	pteVam1	calJac3	0.36738246
rheMac3	calJac3	0.12808815	rheMac3	calJac3	0.12861056
rn5	calJac3	0.53153064	rn5	calJac3	0.53459313
saiBol1	calJac3	0.0675626	saiBol1	calJac3	0.0678939
sarHar1	calJac3	0.8255871	sarHar1	calJac3	0.84553204
sorAra1	calJac3	0.54724137	sorAra1	calJac3	0.55185789
speTri2	calJac3	0.3474042	speTri2	calJac3	0.35064704
susScr3	calJac3	0.3769806	susScr3	calJac3	0.37982174
taeGut1	calJac3	1.24059888	taeGut1	calJac3	1.24858117
tarSyr1	calJac3	0.2670715	tarSyr1	calJac3	0.2698071
tetNig2	calJac3	2.3344933	tetNig2	calJac3	2.34246157
triMan1	calJac3	0.35442615	triMan1	calJac3	0.35691625
tupBel1	calJac3	0.3448026	tupBel1	calJac3	0.3473481
turTru2	calJac3	0.34297017	turTru2	calJac3	0.34540845
vicPac1	calJac3	0.36884177	vicPac1	calJac3	0.37198185
xenTro3	calJac3	1.7197019	xenTro3	calJac3	1.75247694
ailMel1	canFam3	0.1656537	ailMel1	Clup	0.1822516
anoCar2	canFam3	1.40919266	anoCar2	Clup	1.43076412
bosTau7	canFam3	0.36784263	bosTau7	Clup	0.38602556
calJac3	canFam3	0.38460766	calJac3	Clup	0.40199819
cavPor3	canFam3	0.5114236	cavPor3	Clup	0.53203154
choHof1	canFam3	0.38445321	choHof1	Clup	0.40119016
chrPic1	canFam3	1.02284356	chrPic1	Clup	1.04700865
danRer7	canFam3	2.19630036	danRer7	Clup	2.22179734
dasNov3	canFam3	0.39907341	dasNov3	Clup	0.41681126
dipOrd1	canFam3	0.5117866	dipOrd1	Clup	0.53115174
echTel1	canFam3	0.57696891	echTel1	Clup	0.59469335
equCab2	canFam3	0.2701742	equCab2	Clup	0.2879832
eriEur1	canFam3	0.46058309	eriEur1	Clup	0.4804407
felCat5	canFam3	0.200442	felCat5	Clup	0.2173538
fr3	canFam3	2.33119596	fr3	Clup	2.35526528
gadMor1	canFam3	2.17510436	gadMor1	Clup	2.18390334
galGal4	canFam3	1.24889854	galGal4	Clup	1.27168288

gasAcu1	canFam3	2.17020506	gasAcu1	Clup	2.19699754
gorGor3	canFam3	0.36925622	gorGor3	Clup	0.38705817
hetGla2	canFam3	0.4662798	hetGla2	Clup	0.48591014
hg19	canFam3	0.36990958	hg19	Clup	0.38647963
latCha1	canFam3	1.45930236	latCha1	Clup	1.48607665
loxAfr3	canFam3	0.39727487	loxAfr3	Clup	0.41452067
macEug2	canFam3	0.82592976	macEug2	Clup	0.84524595
melGal1	canFam3	1.26406554	melGal1	Clup	1.28750858
melUnd1	canFam3	1.17785866	melUnd1	Clup	1.20020512
micMur1	canFam3	0.37087866	micMur1	Clup	0.38802559
mm10	canFam3	0.5888869	mm10	Clup	0.60831664
monDom5	canFam3	0.82463386	monDom5	Clup	0.84269555
myoLuc2	canFam3	0.33797158	myoLuc2	Clup	0.35727853
nomLeu2	canFam3	0.36878936	nomLeu2	Clup	0.38678789
ochPri2	canFam3	0.54154716	ochPri2	Clup	0.56132175
oreNil2	canFam3	2.20582396	oreNil2	Clup	2.22967628
ornAna1	canFam3	1.05332756	ornAna1	Clup	1.07406465
oryCun2	canFam3	0.45022016	oryCun2	Clup	0.47025175
oryLat2	canFam3	2.22809936	oryLat2	Clup	2.25286434
otoGar3	canFam3	0.40629586	otoGar3	Clup	0.42426669
oviAri1	canFam3	0.37551033	oviAri1	Clup	0.39347676
panTro4	canFam3	0.37009132	panTro4	Clup	0.38707301
papHam1	canFam3	0.37221596	papHam1	Clup	0.39041339
ponAbe2	canFam3	0.36971345	ponAbe2	Clup	0.38705619
proCap1	canFam3	0.47872887	proCap1	Clup	0.49736587
pteVam1	canFam3	0.31484058	pteVam1	Clup	0.33275453
rheMac3	canFam3	0.37238061	rheMac3	Clup	0.38961795
rn5	canFam3	0.5956205	rn5	Clup	0.61470284
saiBol1	canFam3	0.38368926	saiBol1	Clup	0.40115629
sarHar1	canFam3	0.84674776	sarHar1	Clup	0.88224975
sorAra1	canFam3	0.50426809	sorAra1	Clup	0.5262197
speTri2	canFam3	0.41149406	speTri2	Clup	0.43075675
susScr3	canFam3	0.33986066	susScr3	Clup	0.35774545
taeGut1	canFam3	1.26175954	taeGut1	Clup	1.28529888
tarSyr1	canFam3	0.39247016	tarSyr1	Clup	0.41151509
tetNig2	canFam3	2.35565396	tetNig2	Clup	2.37917928
triMan1	canFam3	0.37558681	triMan1	Clup	0.39363396
tupBel1	canFam3	0.41738506	tupBel1	Clup	0.43603009
turTru2	canFam3	0.30585023	turTru2	Clup	0.32333216
vicPac1	canFam3	0.33172183	vicPac1	Clup	0.34990556
xenTro3	canFam3	1.74086256	xenTro3	Clup	1.78919465
ailMel1	cavPor3	0.4993569	ailMel1	cavPor3	0.50259514
anoCar2	cavPor3	1.51484794	anoCar2	cavPor3	1.52407976
bosTau7	cavPor3	0.53177851	bosTau7	cavPor3	0.5381352
calJac3	cavPor3	0.44733374	calJac3	cavPor3	0.45192183
canFam3	cavPor3	0.5114236	Clup	cavPor3	0.53203154
choHof1	cavPor3	0.49010849	choHof1	cavPor3	0.4945058
chrPic1	cavPor3	1.12849884	chrPic1	cavPor3	1.14032429
danRer7	cavPor3	2.30195564	danRer7	cavPor3	2.31511298
dasNov3	cavPor3	0.50472869	dasNov3	cavPor3	0.5101269
dipOrd1	cavPor3	0.4729692	dipOrd1	cavPor3	0.4778062
echTel1	cavPor3	0.68262419	echTel1	cavPor3	0.68800899
equCab2	cavPor3	0.4599834	equCab2	cavPor3	0.46475234
eriEur1	cavPor3	0.63037231	eriEur1	cavPor3	0.63611224
felCat5	cavPor3	0.4904712	felCat5	cavPor3	0.49505274
fr3	cavPor3	2.43685124	fr3	cavPor3	2.44858092
gadMor1	cavPor3	2.28075964	gadMor1	cavPor3	2.27721898
galGal4	cavPor3	1.35455382	galGal4	cavPor3	1.36499852
gasAcu1	cavPor3	2.27586034	gasAcu1	cavPor3	2.29031318
gorGor3	cavPor3	0.4319823	gorGor3	cavPor3	0.43698181
hetGla2	cavPor3	0.2286082	hetGla2	cavPor3	0.2312906
hg19	cavPor3	0.43263566	hg19	cavPor3	0.43640327
latCha1	cavPor3	1.56495764	latCha1	cavPor3	1.57939229

loxAfr3	cavPor3	0.50293015	loxAfr3	cavPor3	0.50783631
macEug2	cavPor3	0.93158504	macEug2	cavPor3	0.93856159
melGal1	cavPor3	1.36972082	melGal1	cavPor3	1.38082422
melUnd1	cavPor3	1.28351394	melUnd1	cavPor3	1.29352076
micMur1	cavPor3	0.43360474	micMur1	cavPor3	0.43794923
mm10	cavPor3	0.5500695	mm10	cavPor3	0.5549711
monDom5	cavPor3	0.93028914	monDom5	cavPor3	0.93601119
myoLuc2	cavPor3	0.51566082	myoLuc2	cavPor3	0.52193981
nomLeu2	cavPor3	0.43151544	nomLeu2	cavPor3	0.43671153
ochPri2	cavPor3	0.57594244	ochPri2	cavPor3	0.58125979
oreNil2	cavPor3	2.31147924	oreNil2	cavPor3	2.32299192
ornAna1	cavPor3	1.15898284	ornAna1	cavPor3	1.16738029
oryCun2	cavPor3	0.48461544	oryCun2	cavPor3	0.49018979
oryLat2	cavPor3	2.33375464	oryLat2	cavPor3	2.34617998
otoGar3	cavPor3	0.46902194	otoGar3	cavPor3	0.47419033
oviAri1	cavPor3	0.53944621	oviAri1	cavPor3	0.5455864
panTro4	cavPor3	0.4328174	panTro4	cavPor3	0.43699665
papHam1	cavPor3	0.43494204	papHam1	cavPor3	0.44033703
ponAbe2	cavPor3	0.43243953	ponAbe2	cavPor3	0.43697983
proCap1	cavPor3	0.58438415	proCap1	cavPor3	0.59068151
pteVam1	cavPor3	0.49252982	pteVam1	cavPor3	0.49741581
rheMac3	cavPor3	0.43510669	rheMac3	cavPor3	0.43954159
rn5	cavPor3	0.5568031	rn5	cavPor3	0.5613573
saiBol1	cavPor3	0.44641534	saiBol1	cavPor3	0.45107993
sarHar1	cavPor3	0.95240304	sarHar1	cavPor3	0.97556539
sorAra1	cavPor3	0.67405731	sorAra1	cavPor3	0.68189124
speTri2	cavPor3	0.39089554	speTri2	cavPor3	0.39510679
susScr3	cavPor3	0.50379654	susScr3	cavPor3	0.50985509
taeGut1	cavPor3	1.36741482	taeGut1	cavPor3	1.37861452
tarSyr1	cavPor3	0.45519624	tarSyr1	cavPor3	0.46143873
tetNig2	cavPor3	2.46130924	tetNig2	cavPor3	2.47249492
triMan1	cavPor3	0.48124209	triMan1	cavPor3	0.4869496
tupBel1	cavPor3	0.48011114	tupBel1	cavPor3	0.48595373
turTru2	cavPor3	0.46978611	turTru2	cavPor3	0.4754418
vicPac1	cavPor3	0.49565771	vicPac1	cavPor3	0.5020152
xenTro3	cavPor3	1.84651784	xenTro3	cavPor3	1.88251029
ailMel1	choHof1	0.37238651	ailMel1	choHof1	0.37175376
anoCar2	choHof1	1.34159815	anoCar2	choHof1	1.34708118
bosTau7	choHof1	0.40480812	bosTau7	choHof1	0.40729382
calJac3	choHof1	0.36329255	calJac3	choHof1	0.36447245
canFam3	choHof1	0.38445321	Clup	choHof1	0.40119016
cavPor3	choHof1	0.49010849	cavPor3	choHof1	0.4945058
chrPic1	choHof1	0.95524905	chrPic1	choHof1	0.96332571
danRer7	choHof1	2.12870585	danRer7	choHof1	2.1381144
dasNov3	choHof1	0.2095518	dasNov3	choHof1	0.2108629
dipOrd1	choHof1	0.49047149	dipOrd1	choHof1	0.493626
echTel1	choHof1	0.4945921	echTel1	choHof1	0.49651579
equCab2	choHof1	0.33301301	equCab2	choHof1	0.33391096
eriEur1	choHof1	0.50340192	eriEur1	choHof1	0.50527086
felCat5	choHof1	0.36350081	felCat5	choHof1	0.36421136
fr3	choHof1	2.26360145	fr3	choHof1	2.27158234
gadMor1	choHof1	2.10750985	gadMor1	choHof1	2.1002204
galGal4	choHof1	1.18130403	galGal4	choHof1	1.18799994
gasAcu1	choHof1	2.10261055	gasAcu1	choHof1	2.1133146
gorGor3	choHof1	0.34794111	gorGor3	choHof1	0.34953243
hetGla2	choHof1	0.44496469	hetGla2	choHof1	0.4483844
hg19	choHof1	0.34859447	hg19	choHof1	0.34895389
latCha1	choHof1	1.39170785	latCha1	choHof1	1.40239371
loxAfr3	choHof1	0.31489806	loxAfr3	choHof1	0.31634311
macEug2	choHof1	0.75833525	macEug2	choHof1	0.76156301
melGal1	choHof1	1.19647103	melGal1	choHof1	1.20382564
melUnd1	choHof1	1.11026415	melUnd1	choHof1	1.11652218
micMur1	choHof1	0.34956355	micMur1	choHof1	0.35049985

mm10	choHof1	0.56757179	mm10	choHof1	0.5707909
monDom5	choHof1	0.75703935	monDom5	choHof1	0.75901261
myoLuc2	choHof1	0.38869043	myoLuc2	choHof1	0.39109843
nomLeu2	choHof1	0.34747425	nomLeu2	choHof1	0.34926215
ochPri2	choHof1	0.52023205	ochPri2	choHof1	0.52379601
oreNil2	choHof1	2.13822945	oreNil2	choHof1	2.14599334
ornAna1	choHof1	0.98573305	ornAna1	choHof1	0.99038171
oryCun2	choHof1	0.42890505	oryCun2	choHof1	0.43272601
oryLat2	choHof1	2.16050485	oryLat2	choHof1	2.1691814
otoGar3	choHof1	0.38498075	otoGar3	choHof1	0.38674095
oviAri1	choHof1	0.41247582	oviAri1	choHof1	0.41474502
panTro4	choHof1	0.34877621	panTro4	choHof1	0.34954727
papHam1	choHof1	0.35090085	papHam1	choHof1	0.35288765
ponAbe2	choHof1	0.34839834	ponAbe2	choHof1	0.34953045
proCap1	choHof1	0.39635206	proCap1	choHof1	0.39918831
pteVam1	choHof1	0.36555943	pteVam1	choHof1	0.36657443
rheMac3	choHof1	0.3510655	rheMac3	choHof1	0.35209221
rn5	choHof1	0.57430539	rn5	choHof1	0.5771771
saiBol1	choHof1	0.36237415	saiBol1	choHof1	0.36363055
sarHar1	choHof1	0.77915325	sarHar1	choHof1	0.79856681
sorAra1	choHof1	0.54708692	sorAra1	choHof1	0.55104986
speTri2	choHof1	0.39017895	speTri2	choHof1	0.39323101
susScr3	choHof1	0.37682615	susScr3	choHof1	0.37901371
taeGut1	choHof1	1.19416503	taeGut1	choHof1	1.20161594
tarSyr1	choHof1	0.37115505	tarSyr1	choHof1	0.37398935
tetNig2	choHof1	2.28805945	tetNig2	choHof1	2.29549634
triMan1	choHof1	0.29321	triMan1	choHof1	0.2954564
tupBel1	choHof1	0.39606995	tupBel1	choHof1	0.39850435
turTru2	choHof1	0.34281572	turTru2	choHof1	0.34460042
vicPac1	choHof1	0.36868732	vicPac1	choHof1	0.37117382
xenTro3	choHof1	1.67326805	xenTro3	choHof1	1.70551171
ailMel1	chrPic1	0.101077686	ailMel1	chrPic1	0.101757225
anoCar2	chrPic1	0.7896671	anoCar2	chrPic1	0.78767947
bosTau7	chrPic1	1.04319847	bosTau7	chrPic1	1.05311231
calJac3	chrPic1	1.0016829	calJac3	chrPic1	1.01029094
canFam3	chrPic1	1.02284356	Clup	chrPic1	1.04700865
cavPor3	chrPic1	1.12849884	cavPor3	chrPic1	1.14032429
choHof1	chrPic1	0.95524905	choHof1	chrPic1	0.96332571
danRer7	chrPic1	1.8507968	danRer7	chrPic1	1.85524269
dasNov3	chrPic1	0.96986925	dasNov3	chrPic1	0.97894681
dipOrd1	chrPic1	1.12886184	dipOrd1	chrPic1	1.13944449
echTel1	chrPic1	1.14776475	echTel1	chrPic1	1.1568289
equCab2	chrPic1	0.97140336	equCab2	chrPic1	0.97972945
eriEur1	chrPic1	1.14179227	eriEur1	chrPic1	1.15108935
felCat5	chrPic1	1.00189116	felCat5	chrPic1	1.01002985
fr3	chrPic1	1.9856924	fr3	chrPic1	1.98871063
gadMor1	chrPic1	1.8296008	gadMor1	chrPic1	1.81734869
galGal4	chrPic1	0.62937298	galGal4	chrPic1	0.62859823
gasAcu1	chrPic1	1.8247015	gasAcu1	chrPic1	1.83044289
gorGor3	chrPic1	0.98633146	gorGor3	chrPic1	0.99535092
hetGla2	chrPic1	1.08335504	hetGla2	chrPic1	1.09420289
hg19	chrPic1	0.98698482	hg19	chrPic1	0.99477238
latCha1	chrPic1	1.1137988	latCha1	chrPic1	1.119522
loxAfr3	chrPic1	0.96807071	loxAfr3	chrPic1	0.97665622
macEug2	chrPic1	0.9047916	macEug2	chrPic1	0.9116055
melGal1	chrPic1	0.64453998	melGal1	chrPic1	0.64442393
melUnd1	chrPic1	0.5583331	melUnd1	chrPic1	0.55712047
micMur1	chrPic1	0.9879539	micMur1	chrPic1	0.99631834
mm10	chrPic1	1.20596214	mm10	chrPic1	1.21660939
monDom5	chrPic1	0.9034957	monDom5	chrPic1	0.9090551
myoLuc2	chrPic1	1.02708078	myoLuc2	chrPic1	1.03691692
nomLeu2	chrPic1	0.9858646	nomLeu2	chrPic1	0.99508064
ochPri2	chrPic1	1.1586224	ochPri2	chrPic1	1.1696145

oreNil2	chrPic1	1.8603204	oreNil2	chrPic1	1.86312163
ornAna1	chrPic1	0.978016	ornAna1	chrPic1	0.983048
oryCun2	chrPic1	1.0672954	oryCun2	chrPic1	1.0785445
oryLat2	chrPic1	1.8825958	oryLat2	chrPic1	1.88630969
otoGar3	chrPic1	1.0233711	otoGar3	chrPic1	1.03255944
oviAri1	chrPic1	1.05086617	oviAri1	chrPic1	1.06056351
panTro4	chrPic1	0.98716656	panTro4	chrPic1	0.99536576
papHam1	chrPic1	0.9892912	papHam1	chrPic1	0.99870614
ponAbe2	chrPic1	0.98678869	ponAbe2	chrPic1	0.99534894
proCap1	chrPic1	1.04952471	proCap1	chrPic1	1.05950142
pteVam1	chrPic1	1.00394978	pteVam1	chrPic1	1.01239292
rheMac3	chrPic1	0.98945585	rheMac3	chrPic1	0.9979107
rn5	chrPic1	1.21269574	rn5	chrPic1	1.22299559
saiBol1	chrPic1	1.0007645	saiBol1	chrPic1	1.00944904
sarHar1	chrPic1	0.9256096	sarHar1	chrPic1	0.9486093
sorAra1	chrPic1	1.18547727	sorAra1	chrPic1	1.19686835
speTri2	chrPic1	1.0285693	speTri2	chrPic1	1.0390495
susScr3	chrPic1	1.0152165	susScr3	chrPic1	1.0248322
taeGut1	chrPic1	0.64223398	taeGut1	chrPic1	0.64221423
tarSyr1	chrPic1	1.0095454	tarSyr1	chrPic1	1.01980784
tetNig2	chrPic1	2.0101504	tetNig2	chrPic1	2.01262463
triMan1	chrPic1	0.94638265	triMan1	chrPic1	0.95576951
tupBel1	chrPic1	1.0344603	tupBel1	chrPic1	1.04432284
turTru2	chrPic1	0.98120607	turTru2	chrPic1	0.99041891
vicPac1	chrPic1	1.00707767	vicPac1	chrPic1	1.01699231
xenTro3	chrPic1	1.395359	xenTro3	chrPic1	1.42264
ailMel1	danRer7	2.18423366	ailMel1	danRer7	2.19236094
anoCar2	danRer7	2.2371459	anoCar2	danRer7	2.23899816
bosTau7	danRer7	2.21665527	bosTau7	danRer7	2.227901
calJac3	danRer7	2.1751397	calJac3	danRer7	2.18507963
canFam3	danRer7	2.19630036	Clup	danRer7	2.22179734
cavPor3	danRer7	2.30195564	cavPor3	danRer7	2.31511298
choHof1	danRer7	2.12870585	choHof1	danRer7	2.1381144
chrPic1	danRer7	1.8507968	chrPic1	danRer7	1.85524269
dasNov3	danRer7	2.14332605	dasNov3	danRer7	2.1537355
dipOrd1	danRer7	2.30231864	dipOrd1	danRer7	2.31423318
echTel1	danRer7	2.32122155	echTel1	danRer7	2.33161759
equCab2	danRer7	2.14486016	equCab2	danRer7	2.15451814
eriEur1	danRer7	2.31524907	eriEur1	danRer7	2.32587804
felCat5	danRer7	2.17534796	felCat5	danRer7	2.18481854
fr3	danRer7	1.6415476	fr3	danRer7	1.67457394
gadMor1	danRer7	1.485456	gadMor1	danRer7	1.503212
galGal4	danRer7	2.07685178	galGal4	danRer7	2.07991692
gasAcu1	danRer7	1.4805567	gasAcu1	danRer7	1.5163062
gorGor3	danRer7	2.15978826	gorGor3	danRer7	2.17013961
hetGla2	danRer7	2.25681184	hetGla2	danRer7	2.26899158
hg19	danRer7	2.16044162	hg19	danRer7	2.16956107
latCha1	danRer7	1.93091	latCha1	danRer7	1.99702069
loxAfr3	danRer7	2.14152751	loxAfr3	danRer7	2.15144491
macEug2	danRer7	2.0782484	macEug2	danRer7	2.08639419
melGal1	danRer7	2.09201878	melGal1	danRer7	2.09574262
melUnd1	danRer7	2.0058119	melUnd1	danRer7	2.00843916
micMur1	danRer7	2.1614107	micMur1	danRer7	2.17110703
mm10	danRer7	2.37941894	mm10	danRer7	2.39139808
monDom5	danRer7	2.0769525	monDom5	danRer7	2.08384379
myoLuc2	danRer7	2.20053758	myoLuc2	danRer7	2.21170561
nomLeu2	danRer7	2.1593214	nomLeu2	danRer7	2.16986933
ochPri2	danRer7	2.3320792	ochPri2	danRer7	2.34440319
oreNil2	danRer7	1.5161756	oreNil2	danRer7	1.54898494
ornAna1	danRer7	2.1514728	ornAna1	danRer7	2.15783669
oryCun2	danRer7	2.2407522	oryCun2	danRer7	2.25333319
oryLat2	danRer7	1.538451	oryLat2	danRer7	1.572173
otoGar3	danRer7	2.1968279	otoGar3	danRer7	2.20734813

oviAri1	danRer7	2.22432297	oviAri1	danRer7	2.2353522
panTro4	danRer7	2.16062336	panTro4	danRer7	2.17015445
papHam1	danRer7	2.162748	papHam1	danRer7	2.17349483
ponAbe2	danRer7	2.16024549	ponAbe2	danRer7	2.17013763
proCap1	danRer7	2.22298151	proCap1	danRer7	2.23429011
pteVam1	danRer7	2.17740658	pteVam1	danRer7	2.18718161
rheMac3	danRer7	2.16291265	rheMac3	danRer7	2.17269939
rn5	danRer7	2.38615254	rn5	danRer7	2.39778428
saiBol1	danRer7	2.1742213	saiBol1	danRer7	2.18423773
sarHar1	danRer7	2.0990664	sarHar1	danRer7	2.12339799
sorAra1	danRer7	2.35893407	sorAra1	danRer7	2.37165704
speTri2	danRer7	2.2020261	speTri2	danRer7	2.21383819
susScr3	danRer7	2.1886733	susScr3	danRer7	2.19962089
taeGut1	danRer7	2.08971278	taeGut1	danRer7	2.09353292
tarSyr1	danRer7	2.1830022	tarSyr1	danRer7	2.19459653
tetNig2	danRer7	1.6660056	tetNig2	danRer7	1.69848794
triMan1	danRer7	2.11983945	triMan1	danRer7	2.1305582
tupBel1	danRer7	2.2079171	tupBel1	danRer7	2.21911153
turTru2	danRer7	2.15466287	turTru2	danRer7	2.1652076
vicPac1	danRer7	2.18053447	vicPac1	danRer7	2.191781
xenTro3	danRer7	2.3417618	xenTro3	danRer7	2.32320669
ailMel1	dasNov3	0.38700671	ailMel1	dasNov3	0.38737486
anoCar2	dasNov3	1.35621835	anoCar2	dasNov3	1.36270228
bosTau7	dasNov3	0.41942832	bosTau7	dasNov3	0.42291492
calJac3	dasNov3	0.37791275	calJac3	dasNov3	0.38009355
canFam3	dasNov3	0.39907341	Clup	dasNov3	0.41681126
cavPor3	dasNov3	0.50472869	cavPor3	dasNov3	0.5101269
choHof1	dasNov3	0.2095518	choHof1	dasNov3	0.2108629
chrPic1	dasNov3	0.96986925	chrPic1	dasNov3	0.97894681
danRer7	dasNov3	2.14332605	danRer7	dasNov3	2.1537355
dipOrd1	dasNov3	0.50509169	dipOrd1	dasNov3	0.5092471
echTel1	dasNov3	0.5092123	echTel1	dasNov3	0.51213689
equCab2	dasNov3	0.34763321	equCab2	dasNov3	0.34953206
eriEur1	dasNov3	0.51802212	eriEur1	dasNov3	0.52089196
felCat5	dasNov3	0.37812101	felCat5	dasNov3	0.37983246
fr3	dasNov3	2.27822165	fr3	dasNov3	2.28720344
gadMor1	dasNov3	2.12213005	gadMor1	dasNov3	2.1158415
galGal4	dasNov3	1.19592423	galGal4	dasNov3	1.20362104
gasAcu1	dasNov3	2.11723075	gasAcu1	dasNov3	2.1289357
gorGor3	dasNov3	0.36256131	gorGor3	dasNov3	0.36515353
hetGla2	dasNov3	0.45958489	hetGla2	dasNov3	0.4640055
hg19	dasNov3	0.36321467	hg19	dasNov3	0.36457499
latCha1	dasNov3	1.40632805	latCha1	dasNov3	1.41801481
loxAfr3	dasNov3	0.32951826	loxAfr3	dasNov3	0.33196421
macEug2	dasNov3	0.77295545	macEug2	dasNov3	0.77718411
melGal1	dasNov3	1.21109123	melGal1	dasNov3	1.21944674
melUnd1	dasNov3	1.12488435	melUnd1	dasNov3	1.13214328
micMur1	dasNov3	0.36418375	micMur1	dasNov3	0.36612095
mm10	dasNov3	0.58219199	mm10	dasNov3	0.586412
monDom5	dasNov3	0.77165955	monDom5	dasNov3	0.77463371
myoLuc2	dasNov3	0.40331063	myoLuc2	dasNov3	0.40671953
nomLeu2	dasNov3	0.36209445	nomLeu2	dasNov3	0.36488325
ochPri2	dasNov3	0.53485225	ochPri2	dasNov3	0.53941711
oreNil2	dasNov3	2.15284965	oreNil2	dasNov3	2.16161444
ornAna1	dasNov3	1.00035325	ornAna1	dasNov3	1.00600281
oryCun2	dasNov3	0.44352525	oryCun2	dasNov3	0.44834711
oryLat2	dasNov3	2.17512505	oryLat2	dasNov3	2.1848025
otoGar3	dasNov3	0.39960095	otoGar3	dasNov3	0.40236205
oviAri1	dasNov3	0.42709602	oviAri1	dasNov3	0.43036612
panTro4	dasNov3	0.36339641	panTro4	dasNov3	0.36516837
papHam1	dasNov3	0.36552105	papHam1	dasNov3	0.36850875
ponAbe2	dasNov3	0.36301854	ponAbe2	dasNov3	0.36515155
proCap1	dasNov3	0.41097226	proCap1	dasNov3	0.41480941

pteVam1	dasNov3	0.38017963	pteVam1	dasNov3	0.38219553
rheMac3	dasNov3	0.3656857	rheMac3	dasNov3	0.36771331
rn5	dasNov3	0.58892559	rn5	dasNov3	0.5927982
saiBol1	dasNov3	0.37699435	saiBol1	dasNov3	0.37925165
sarHar1	dasNov3	0.79377345	sarHar1	dasNov3	0.81418791
sorAra1	dasNov3	0.56170712	sorAra1	dasNov3	0.56667096
speTri2	dasNov3	0.40479915	speTri2	dasNov3	0.40885211
susScr3	dasNov3	0.39144635	susScr3	dasNov3	0.39463481
taeGut1	dasNov3	1.20878523	taeGut1	dasNov3	1.21723704
tarSyr1	dasNov3	0.38577525	tarSyr1	dasNov3	0.38961045
tetNig2	dasNov3	2.30267965	tetNig2	dasNov3	2.31111744
triMan1	dasNov3	0.3078302	triMan1	dasNov3	0.3110775
tupBel1	dasNov3	0.41069015	tupBel1	dasNov3	0.41412545
turTru2	dasNov3	0.35743592	turTru2	dasNov3	0.36022152
vicPac1	dasNov3	0.38330752	vicPac1	dasNov3	0.38679492
xenTro3	dasNov3	1.68788825	xenTro3	dasNov3	1.72113281
ailMel1	dipOrd1	0.4997199	ailMel1	dipOrd1	0.50171534
anoCar2	dipOrd1	1.51521094	anoCar2	dipOrd1	1.52319996
bosTau7	dipOrd1	0.53214151	bosTau7	dipOrd1	0.5372554
calJac3	dipOrd1	0.44769674	calJac3	dipOrd1	0.45104203
canFam3	dipOrd1	0.5117866	Clup	dipOrd1	0.53115174
cavPor3	dipOrd1	0.4729692	cavPor3	dipOrd1	0.4778062
choHof1	dipOrd1	0.49047149	choHof1	dipOrd1	0.493626
chrPic1	dipOrd1	1.12886184	chrPic1	dipOrd1	1.13944449
danRer7	dipOrd1	2.30231864	danRer7	dipOrd1	2.31423318
dasNov3	dipOrd1	0.50509169	dasNov3	dipOrd1	0.5092471
echTel1	dipOrd1	0.68298719	echTel1	dipOrd1	0.68712919
equCab2	dipOrd1	0.4603464	equCab2	dipOrd1	0.46387254
eriEur1	dipOrd1	0.63073531	eriEur1	dipOrd1	0.63523244
felCat5	dipOrd1	0.4908342	felCat5	dipOrd1	0.49417294
fr3	dipOrd1	2.43721424	fr3	dipOrd1	2.44770112
gadMor1	dipOrd1	2.28112264	gadMor1	dipOrd1	2.27633918
galGal4	dipOrd1	1.35491682	galGal4	dipOrd1	1.36411872
gasAcu1	dipOrd1	2.27622334	gasAcu1	dipOrd1	2.28943338
gorGor3	dipOrd1	0.4323453	gorGor3	dipOrd1	0.43610201
hetGla2	dipOrd1	0.4278254	hetGla2	dipOrd1	0.4316848
hg19	dipOrd1	0.43299866	hg19	dipOrd1	0.43552347
latCha1	dipOrd1	1.56532064	latCha1	dipOrd1	1.57851249
loxAfr3	dipOrd1	0.50329315	loxAfr3	dipOrd1	0.50695651
macEug2	dipOrd1	0.93194804	macEug2	dipOrd1	0.93768179
melGal1	dipOrd1	1.37008382	melGal1	dipOrd1	1.37994442
melUnd1	dipOrd1	1.28387694	melUnd1	dipOrd1	1.29264096
micMur1	dipOrd1	0.43396774	micMur1	dipOrd1	0.43706943
mm10	dipOrd1	0.4987383	mm10	dipOrd1	0.5021409
monDom5	dipOrd1	0.93065214	monDom5	dipOrd1	0.93513139
myoLuc2	dipOrd1	0.51602382	myoLuc2	dipOrd1	0.52106001
nomLeu2	dipOrd1	0.43187844	nomLeu2	dipOrd1	0.43583173
ochPri2	dipOrd1	0.57630544	ochPri2	dipOrd1	0.58037999
oreNil2	dipOrd1	2.31184224	oreNil2	dipOrd1	2.32211212
ornAna1	dipOrd1	1.15934584	ornAna1	dipOrd1	1.16650049
oryCun2	dipOrd1	0.48497844	oryCun2	dipOrd1	0.48930999
oryLat2	dipOrd1	2.33411764	oryLat2	dipOrd1	2.34530018
otoGar3	dipOrd1	0.46938494	otoGar3	dipOrd1	0.47331053
oviAri1	dipOrd1	0.53980921	oviAri1	dipOrd1	0.5447066
panTro4	dipOrd1	0.4331804	panTro4	dipOrd1	0.43611685
papHam1	dipOrd1	0.43530504	papHam1	dipOrd1	0.43945723
ponAbe2	dipOrd1	0.43280253	ponAbe2	dipOrd1	0.43610003
proCap1	dipOrd1	0.58474715	proCap1	dipOrd1	0.58980171
pteVam1	dipOrd1	0.49289282	pteVam1	dipOrd1	0.49653601
rheMac3	dipOrd1	0.43546969	rheMac3	dipOrd1	0.43866179
rn5	dipOrd1	0.5054719	rn5	dipOrd1	0.5085271
saiBol1	dipOrd1	0.44677834	saiBol1	dipOrd1	0.45020013
sarHar1	dipOrd1	0.95276604	sarHar1	dipOrd1	0.97468559

sorAra1	dipOrd1	0.67442031	sorAra1	dipOrd1	0.68101144
speTri2	dipOrd1	0.39125854	speTri2	dipOrd1	0.39422699
susScr3	dipOrd1	0.50415954	susScr3	dipOrd1	0.50897529
taeGut1	dipOrd1	1.36777782	taeGut1	dipOrd1	1.37773472
tarSyr1	dipOrd1	0.45555924	tarSyr1	dipOrd1	0.46055893
tetNig2	dipOrd1	2.46167224	tetNig2	dipOrd1	2.47161512
triMan1	dipOrd1	0.48160509	triMan1	dipOrd1	0.4860698
tupBel1	dipOrd1	0.48047414	tupBel1	dipOrd1	0.48507393
turTru2	dipOrd1	0.47014911	turTru2	dipOrd1	0.474562
vicPac1	dipOrd1	0.49602071	vicPac1	dipOrd1	0.5011354
xenTro3	dipOrd1	1.84688084	xenTro3	dipOrd1	1.88163049
ailMel1	echTel1	0.56490221	ailMel1	echTel1	0.56525695
anoCar2	echTel1	1.53411385	anoCar2	echTel1	1.54058437
bosTau7	echTel1	0.59732382	bosTau7	echTel1	0.60079701
calJac3	echTel1	0.55580825	calJac3	echTel1	0.55797564
canFam3	echTel1	0.57696891	Clup	echTel1	0.59469335
cavPor3	echTel1	0.68262419	cavPor3	echTel1	0.68800899
choHof1	echTel1	0.4945921	choHof1	echTel1	0.49651579
chrPic1	echTel1	1.14776475	chrPic1	echTel1	1.1568289
danRer7	echTel1	2.32122155	danRer7	echTel1	2.33161759
dasNov3	echTel1	0.5092123	dasNov3	echTel1	0.51213689
dipOrd1	echTel1	0.68298719	dipOrd1	echTel1	0.68712919
equCab2	echTel1	0.52552871	equCab2	echTel1	0.52741415
eriEur1	echTel1	0.69591762	eriEur1	echTel1	0.69877405
felCat5	echTel1	0.55601651	felCat5	echTel1	0.55771455
fr3	echTel1	2.45611715	fr3	echTel1	2.46508553
gadMor1	echTel1	2.30002555	gadMor1	echTel1	2.29372359
galGal4	echTel1	1.37381973	galGal4	echTel1	1.38150313
gasAcu1	echTel1	2.29512625	gasAcu1	echTel1	2.30681779
gorGor3	echTel1	0.54045681	gorGor3	echTel1	0.54303562
hetGla2	echTel1	0.63748039	hetGla2	echTel1	0.64188759
hg19	echTel1	0.54111017	hg19	echTel1	0.54245708
latCha1	echTel1	1.58422355	latCha1	echTel1	1.5958969
loxAfr3	echTel1	0.35387796	loxAfr3	echTel1	0.35825132
macEug2	echTel1	0.95085095	macEug2	echTel1	0.9550662
melGal1	echTel1	1.38898673	melGal1	echTel1	1.39732883
melUnd1	echTel1	1.30277985	melUnd1	echTel1	1.31002537
micMur1	echTel1	0.54207925	micMur1	echTel1	0.54400304
mm10	echTel1	0.76008749	mm10	echTel1	0.76429409
monDom5	echTel1	0.94955505	monDom5	echTel1	0.9525158
myoLuc2	echTel1	0.58120613	myoLuc2	echTel1	0.58460162
nomLeu2	echTel1	0.53998995	nomLeu2	echTel1	0.54276534
ochPri2	echTel1	0.71274775	ochPri2	echTel1	0.7172992
oreNil2	echTel1	2.33074515	oreNil2	echTel1	2.33949653
ornAna1	echTel1	1.17824875	ornAna1	echTel1	1.1838849
oryCun2	echTel1	0.62142075	oryCun2	echTel1	0.6262292
oryLat2	echTel1	2.35302055	oryLat2	echTel1	2.36268459
otoGar3	echTel1	0.57749645	otoGar3	echTel1	0.58024414
oviAri1	echTel1	0.60499152	oviAri1	echTel1	0.60824821
panTro4	echTel1	0.54129191	panTro4	echTel1	0.54305046
papHam1	echTel1	0.54341655	papHam1	echTel1	0.54639084
ponAbe2	echTel1	0.54091404	ponAbe2	echTel1	0.54303364
proCap1	echTel1	0.43533196	proCap1	echTel1	0.44109652
pteVam1	echTel1	0.55807513	pteVam1	echTel1	0.56007762
rheMac3	echTel1	0.5435812	rheMac3	echTel1	0.5455954
rn5	echTel1	0.76682109	rn5	echTel1	0.77068029
saiBol1	echTel1	0.55488985	saiBol1	echTel1	0.55713374
sarHar1	echTel1	0.97166895	sarHar1	echTel1	0.99207
sorAra1	echTel1	0.73960262	sorAra1	echTel1	0.74455305
speTri2	echTel1	0.58269465	speTri2	echTel1	0.5867342
susScr3	echTel1	0.56934185	susScr3	echTel1	0.5725169
taeGut1	echTel1	1.38668073	taeGut1	echTel1	1.39511913
tarSyr1	echTel1	0.56367075	tarSyr1	echTel1	0.56749254

tetNig2	echTel1	2.48057515	tetNig2	echTel1	2.48899953
triMan1	echTel1	0.3385171	triMan1	echTel1	0.34050579
tupBel1	echTel1	0.58858565	tupBel1	echTel1	0.59200754
turTru2	echTel1	0.53533142	turTru2	echTel1	0.53810361
vicPac1	echTel1	0.56120302	vicPac1	echTel1	0.56467701
xenTro3	echTel1	1.86578375	xenTro3	echTel1	1.8990149
ailMel1	equCab2	0.2581075	ailMel1	equCab2	0.2585468
anoCar2	equCab2	1.35775246	anoCar2	equCab2	1.36348492
bosTau7	equCab2	0.31640243	bosTau7	equCab2	0.31874636
calJac3	equCab2	0.33316746	calJac3	equCab2	0.33471899
canFam3	equCab2	0.2701742	Clup	equCab2	0.2879832
cavPor3	equCab2	0.4599834	cavPor3	equCab2	0.46475234
choHof1	equCab2	0.33301301	choHof1	equCab2	0.33391096
chrPic1	equCab2	0.97140336	chrPic1	equCab2	0.97972945
danRer7	equCab2	2.14486016	danRer7	equCab2	2.15451814
dasNov3	equCab2	0.34763321	dasNov3	equCab2	0.34953206
dipOrd1	equCab2	0.4603464	dipOrd1	equCab2	0.46387254
echTel1	equCab2	0.52552871	echTel1	equCab2	0.52741415
eriEur1	equCab2	0.40914289	eriEur1	equCab2	0.4131615
felCat5	equCab2	0.2492218	felCat5	equCab2	0.2510044
fr3	equCab2	2.27975576	fr3	equCab2	2.28798608
gadMor1	equCab2	2.12366416	gadMor1	equCab2	2.11662414
galGal4	equCab2	1.19745834	galGal4	equCab2	1.20440368
gasAcu1	equCab2	2.11876486	gasAcu1	equCab2	2.12971834
gorGor3	equCab2	0.31781602	gorGor3	equCab2	0.31977897
hetGla2	equCab2	0.4148396	hetGla2	equCab2	0.41863094
hg19	equCab2	0.31846938	hg19	equCab2	0.31920043
latCha1	equCab2	1.40786216	latCha1	equCab2	1.41879745
loxAfr3	equCab2	0.34583467	loxAfr3	equCab2	0.34724147
macEug2	equCab2	0.77448956	macEug2	equCab2	0.77796675
melGal1	equCab2	1.21262534	melGal1	equCab2	1.22022938
melUnd1	equCab2	1.12641846	melUnd1	equCab2	1.13292592
micMur1	equCab2	0.31943846	micMur1	equCab2	0.32074639
mm10	equCab2	0.5374467	mm10	equCab2	0.54103744
monDom5	equCab2	0.77319366	monDom5	equCab2	0.77541635
myoLuc2	equCab2	0.28653138	myoLuc2	equCab2	0.28999933
nomLeu2	equCab2	0.31734916	nomLeu2	equCab2	0.31950869
ochPri2	equCab2	0.49010696	ochPri2	equCab2	0.49404255
oreNil2	equCab2	2.15438376	oreNil2	equCab2	2.16239708
ornAna1	equCab2	1.00188736	ornAna1	equCab2	1.00678545
oryCun2	equCab2	0.39877996	oryCun2	equCab2	0.40297255
oryLat2	equCab2	2.17665916	oryLat2	equCab2	2.18558514
otoGar3	equCab2	0.35485566	otoGar3	equCab2	0.35698749
oviAri1	equCab2	0.32407013	oviAri1	equCab2	0.32619756
panTro4	equCab2	0.31865112	panTro4	equCab2	0.31979381
papHam1	equCab2	0.32077576	papHam1	equCab2	0.32313419
ponAbe2	equCab2	0.31827325	ponAbe2	equCab2	0.31977699
proCap1	equCab2	0.42728867	proCap1	equCab2	0.43008667
pteVam1	equCab2	0.26340038	pteVam1	equCab2	0.26547533
rheMac3	equCab2	0.32094041	rheMac3	equCab2	0.32233875
rn5	equCab2	0.5441803	rn5	equCab2	0.54742364
saiBol1	equCab2	0.33224906	saiBol1	equCab2	0.33387709
sarHar1	equCab2	0.79530756	sarHar1	equCab2	0.81497055
sorAra1	equCab2	0.45282789	sorAra1	equCab2	0.4589405
speTri2	equCab2	0.36005386	speTri2	equCab2	0.36347755
susScr3	equCab2	0.28842046	susScr3	equCab2	0.29046625
taeGut1	equCab2	1.21031934	taeGut1	equCab2	1.21801968
tarSyr1	equCab2	0.34102996	tarSyr1	equCab2	0.34423589
tetNig2	equCab2	2.30421376	tetNig2	equCab2	2.31190008
triMan1	equCab2	0.32414661	triMan1	equCab2	0.32635476
tupBel1	equCab2	0.36594486	tupBel1	equCab2	0.36875089
turTru2	equCab2	0.25441003	turTru2	equCab2	0.25605296
vicPac1	equCab2	0.28028163	vicPac1	equCab2	0.28262636

xenTro3	equCab2	1.68942236	xenTro3	equCab2	1.72191545
ailMel1	eriEur1	0.44851639	ailMel1	eriEur1	0.4510043
anoCar2	eriEur1	1.52814137	anoCar2	eriEur1	1.53484482
bosTau7	eriEur1	0.48679134	bosTau7	eriEur1	0.49010626
calJac3	eriEur1	0.50355637	calJac3	eriEur1	0.50607889
canFam3	eriEur1	0.46058309	Clup	eriEur1	0.4804407
cavPor3	eriEur1	0.63037231	cavPor3	eriEur1	0.63611224
choHof1	eriEur1	0.50340192	choHof1	eriEur1	0.50527086
chrPic1	eriEur1	1.14179227	chrPic1	eriEur1	1.15108935
danRer7	eriEur1	2.31524907	danRer7	eriEur1	2.32587804
dasNov3	eriEur1	0.51802212	dasNov3	eriEur1	0.52089196
dipOrd1	eriEur1	0.63073531	dipOrd1	eriEur1	0.63523244
echTel1	eriEur1	0.69591762	echTel1	eriEur1	0.69877405
equCab2	eriEur1	0.40914289	equCab2	eriEur1	0.4131615
felCat5	eriEur1	0.43963069	felCat5	eriEur1	0.4434619
fr3	eriEur1	2.45014467	fr3	eriEur1	2.45934598
gadMor1	eriEur1	2.29405307	gadMor1	eriEur1	2.28798404
galGal4	eriEur1	1.36784725	galGal4	eriEur1	1.37576358
gasAcu1	eriEur1	2.28915377	gasAcu1	eriEur1	2.30107824
gorGor3	eriEur1	0.48820493	gorGor3	eriEur1	0.49113887
hetGla2	eriEur1	0.58522851	hetGla2	eriEur1	0.58999084
hg19	eriEur1	0.48885829	hg19	eriEur1	0.49056033
latCha1	eriEur1	1.57825107	latCha1	eriEur1	1.59015735
loxAfr3	eriEur1	0.51622358	loxAfr3	eriEur1	0.51860137
macEug2	eriEur1	0.94487847	macEug2	eriEur1	0.94932665
melGal1	eriEur1	1.38301425	melGal1	eriEur1	1.39158928
melUnd1	eriEur1	1.29680737	melUnd1	eriEur1	1.30428582
micMur1	eriEur1	0.48982737	micMur1	eriEur1	0.49210629
mm10	eriEur1	0.70783561	mm10	eriEur1	0.71239734
monDom5	eriEur1	0.94358257	monDom5	eriEur1	0.94677625
myoLuc2	eriEur1	0.46482031	myoLuc2	eriEur1	0.47034897
nomLeu2	eriEur1	0.48773807	nomLeu2	eriEur1	0.49086859
ochPri2	eriEur1	0.66049587	ochPri2	eriEur1	0.66540245
oreNil2	eriEur1	2.32477267	oreNil2	eriEur1	2.33375698
ornAna1	eriEur1	1.17227627	ornAna1	eriEur1	1.17814535
oryCun2	eriEur1	0.56916887	oryCun2	eriEur1	0.57433245
oryLat2	eriEur1	2.34704807	oryLat2	eriEur1	2.35694504
otoGar3	eriEur1	0.52524457	otoGar3	eriEur1	0.52834739
oviAri1	eriEur1	0.49445904	oviAri1	eriEur1	0.49755746
panTro4	eriEur1	0.48904003	panTro4	eriEur1	0.49115371
papHam1	eriEur1	0.49116467	papHam1	eriEur1	0.49449409
ponAbe2	eriEur1	0.48866216	ponAbe2	eriEur1	0.49113689
proCap1	eriEur1	0.59767758	proCap1	eriEur1	0.60144657
pteVam1	eriEur1	0.44168931	pteVam1	eriEur1	0.44582497
rheMac3	eriEur1	0.49132932	rheMac3	eriEur1	0.49369865
rn5	eriEur1	0.71456921	rn5	eriEur1	0.71878354
saiBol1	eriEur1	0.50263797	saiBol1	eriEur1	0.50523699
sarHar1	eriEur1	0.96569647	sarHar1	eriEur1	0.98633045
sorAra1	eriEur1	0.497553	sorAra1	eriEur1	0.502393
speTri2	eriEur1	0.53044277	speTri2	eriEur1	0.53483745
susScr3	eriEur1	0.45880937	susScr3	eriEur1	0.46182615
taeGut1	eriEur1	1.38070825	taeGut1	eriEur1	1.38937958
tarSyr1	eriEur1	0.51141887	tarSyr1	eriEur1	0.51559579
tetNig2	eriEur1	2.47460267	tetNig2	eriEur1	2.48325998
triMan1	eriEur1	0.49453552	triMan1	eriEur1	0.49771466
tupBel1	eriEur1	0.53633377	tupBel1	eriEur1	0.54011079
turTru2	eriEur1	0.42479894	turTru2	eriEur1	0.42741286
vicPac1	eriEur1	0.45067054	vicPac1	eriEur1	0.45398626
xenTro3	eriEur1	1.85981127	xenTro3	eriEur1	1.89327535
ailMel1	felCat5	0.1883753	ailMel1	felCat5	0.1879174
anoCar2	felCat5	1.38824026	anoCar2	felCat5	1.39378532
bosTau7	felCat5	0.34689023	bosTau7	felCat5	0.34904676
calJac3	felCat5	0.36365526	calJac3	felCat5	0.36501939

canFam3	felCat5	0.200442	Clup	felCat5	0.2173538
cavPor3	felCat5	0.4904712	cavPor3	felCat5	0.49505274
choHof1	felCat5	0.36350081	choHof1	felCat5	0.36421136
chrPic1	felCat5	1.00189116	chrPic1	felCat5	1.01002985
danRer7	felCat5	2.17534796	danRer7	felCat5	2.18481854
dasNov3	felCat5	0.37812101	dasNov3	felCat5	0.37983246
dipOrd1	felCat5	0.4908342	dipOrd1	felCat5	0.49417294
echTel1	felCat5	0.55601651	echTel1	felCat5	0.55771455
equCab2	felCat5	0.2492218	equCab2	felCat5	0.2510044
eriEur1	felCat5	0.43963069	eriEur1	felCat5	0.4434619
fr3	felCat5	2.31024356	fr3	felCat5	2.31828648
gadMor1	felCat5	2.15415196	gadMor1	felCat5	2.14692454
galGal4	felCat5	1.22794614	galGal4	felCat5	1.23470408
gasAcu1	felCat5	2.14925266	gasAcu1	felCat5	2.16001874
gorGor3	felCat5	0.34830382	gorGor3	felCat5	0.35007937
hetGla2	felCat5	0.4453274	hetGla2	felCat5	0.44893134
hg19	felCat5	0.34895718	hg19	felCat5	0.34950083
latCha1	felCat5	1.43834996	latCha1	felCat5	1.44909785
loxAfr3	felCat5	0.37632247	loxAfr3	felCat5	0.37754187
macEug2	felCat5	0.80497736	macEug2	felCat5	0.80826715
melGal1	felCat5	1.24311314	melGal1	felCat5	1.25052978
melUnd1	felCat5	1.15690626	melUnd1	felCat5	1.16322632
micMur1	felCat5	0.34992626	micMur1	felCat5	0.35104679
mm10	felCat5	0.5679345	mm10	felCat5	0.57133784
monDom5	felCat5	0.80368146	monDom5	felCat5	0.80571675
myoLuc2	felCat5	0.31701918	myoLuc2	felCat5	0.32029973
nomLeu2	felCat5	0.34783696	nomLeu2	felCat5	0.34980909
ochPri2	felCat5	0.52059476	ochPri2	felCat5	0.52434295
oreNil2	felCat5	2.18487156	oreNil2	felCat5	2.19269748
ornAna1	felCat5	1.03237516	ornAna1	felCat5	1.03708585
oryCun2	felCat5	0.42926776	oryCun2	felCat5	0.43327295
oryLat2	felCat5	2.20714696	oryLat2	felCat5	2.21588554
otoGar3	felCat5	0.38534346	otoGar3	felCat5	0.38728789
oviAri1	felCat5	0.35455793	oviAri1	felCat5	0.35649796
panTro4	felCat5	0.34913892	panTro4	felCat5	0.35009421
papHam1	felCat5	0.35126356	papHam1	felCat5	0.35343459
ponAbe2	felCat5	0.34876105	ponAbe2	felCat5	0.35007739
proCap1	felCat5	0.45777647	proCap1	felCat5	0.46038707
pteVam1	felCat5	0.29388818	pteVam1	felCat5	0.29577573
rheMac3	felCat5	0.35142821	rheMac3	felCat5	0.35263915
rn5	felCat5	0.5746681	rn5	felCat5	0.57772404
saiBol1	felCat5	0.36273686	saiBol1	felCat5	0.36417749
sarHar1	felCat5	0.82579536	sarHar1	felCat5	0.84527095
sorAra1	felCat5	0.48331569	sorAra1	felCat5	0.4892409
speTri2	felCat5	0.39054166	speTri2	felCat5	0.39377795
susScr3	felCat5	0.31890826	susScr3	felCat5	0.32076665
taeGut1	felCat5	1.24080714	taeGut1	felCat5	1.24832008
tarSyr1	felCat5	0.37151776	tarSyr1	felCat5	0.37453629
tetNig2	felCat5	2.33470156	tetNig2	felCat5	2.34220048
triMan1	felCat5	0.35463441	triMan1	felCat5	0.35665516
tupBel1	felCat5	0.39643266	tupBel1	felCat5	0.39905129
turTru2	felCat5	0.28489783	turTru2	felCat5	0.28635336
vicPac1	felCat5	0.31076943	vicPac1	felCat5	0.31292676
xenTro3	felCat5	1.71991016	xenTro3	felCat5	1.75221585
ailMel1	fr3	2.31912926	ailMel1	fr3	2.32582888
anoCar2	fr3	2.3720415	anoCar2	fr3	2.3724661
bosTau7	fr3	2.35155087	bosTau7	fr3	2.36136894
calJac3	fr3	2.3100353	calJac3	fr3	2.31854757
canFam3	fr3	2.33119596	Clup	fr3	2.35526528
cavPor3	fr3	2.43685124	cavPor3	fr3	2.44858092
choHof1	fr3	2.26360145	choHof1	fr3	2.27158234
chrPic1	fr3	1.9856924	chrPic1	fr3	1.98871063
danRer7	fr3	1.6415476	danRer7	fr3	1.67457394

dasNov3	fr3	2.27822165	dasNov3	fr3	2.28720344
dipOrd1	fr3	2.43721424	dipOrd1	fr3	2.44770112
echTel1	fr3	2.45611715	echTel1	fr3	2.46508553
equCab2	fr3	2.27975576	equCab2	fr3	2.28798608
eriEur1	fr3	2.45014467	eriEur1	fr3	2.45934598
felCat5	fr3	2.31024356	felCat5	fr3	2.31828648
gadMor1	fr3	1.2816476	gadMor1	fr3	1.28816394
galGal4	fr3	2.21174738	galGal4	fr3	2.21338486
gasAcu1	fr3	0.7906729	gasAcu1	fr3	0.79180774
gorGor3	fr3	2.29468386	gorGor3	fr3	2.30360755
hetGla2	fr3	2.39170744	hetGla2	fr3	2.40245952
hg19	fr3	2.29533722	hg19	fr3	2.30302901
latCha1	fr3	2.0658056	latCha1	fr3	2.13048863
loxAfr3	fr3	2.27642311	loxAfr3	fr3	2.28491285
macEug2	fr3	2.213144	macEug2	fr3	2.21986213
melGal1	fr3	2.22691438	melGal1	fr3	2.22921056
melUnd1	fr3	2.1407075	melUnd1	fr3	2.1419071
micMur1	fr3	2.2963063	micMur1	fr3	2.30457497
mm10	fr3	2.51431454	mm10	fr3	2.52486602
monDom5	fr3	2.2118481	monDom5	fr3	2.21731173
myoLuc2	fr3	2.33543318	myoLuc2	fr3	2.34517355
nomLeu2	fr3	2.294217	nomLeu2	fr3	2.30333727
ochPri2	fr3	2.4669748	ochPri2	fr3	2.47787113
oreNil2	fr3	0.798352	oreNil2	fr3	0.807805
ornAna1	fr3	2.2863684	ornAna1	fr3	2.29130463
oryCun2	fr3	2.3756478	oryCun2	fr3	2.38680113
oryLat2	fr3	0.9633066	oryLat2	fr3	0.96517894
otoGar3	fr3	2.3317235	otoGar3	fr3	2.34081607
oviAri1	fr3	2.35921857	oviAri1	fr3	2.36882014
panTro4	fr3	2.29551896	panTro4	fr3	2.30362239
papHam1	fr3	2.2976436	papHam1	fr3	2.30696277
ponAbe2	fr3	2.29514109	ponAbe2	fr3	2.30360557
proCap1	fr3	2.35787711	proCap1	fr3	2.36775805
pteVam1	fr3	2.31230218	pteVam1	fr3	2.32064955
rheMac3	fr3	2.29780825	rheMac3	fr3	2.30616733
rn5	fr3	2.52104814	rn5	fr3	2.53125222
saiBol1	fr3	2.3091169	saiBol1	fr3	2.31770567
sarHar1	fr3	2.233962	sarHar1	fr3	2.25686593
sorAra1	fr3	2.49382967	sorAra1	fr3	2.50512498
speTri2	fr3	2.3369217	speTri2	fr3	2.34730613
susScr3	fr3	2.3235689	susScr3	fr3	2.33308883
taeGut1	fr3	2.22460838	taeGut1	fr3	2.22700086
tarSyr1	fr3	2.3178978	tarSyr1	fr3	2.32806447
tetNig2	fr3	0.421968	tetNig2	fr3	0.424098
triMan1	fr3	2.25473505	triMan1	fr3	2.26402614
tupBel1	fr3	2.3428127	tupBel1	fr3	2.35257947
turTru2	fr3	2.28955847	turTru2	fr3	2.29867554
vicPac1	fr3	2.31543007	vicPac1	fr3	2.32524894
xenTro3	fr3	2.4766574	xenTro3	fr3	2.45667463
ailMel1	gadMor1	2.16303766	ailMel1	gadMor1	2.15446694
anoCar2	gadMor1	2.2159499	anoCar2	gadMor1	2.20110416
bosTau7	gadMor1	2.19545927	bosTau7	gadMor1	2.190007
calJac3	gadMor1	2.1539437	calJac3	gadMor1	2.14718563
canFam3	gadMor1	2.17510436	Clup	gadMor1	2.18390334
cavPor3	gadMor1	2.28075964	cavPor3	gadMor1	2.27721898
choHof1	gadMor1	2.10750985	choHof1	gadMor1	2.1002204
chrPic1	gadMor1	1.8296008	chrPic1	gadMor1	1.81734869
danRer7	gadMor1	1.485456	danRer7	gadMor1	1.503212
dasNov3	gadMor1	2.12213005	dasNov3	gadMor1	2.1158415
dipOrd1	gadMor1	2.28112264	dipOrd1	gadMor1	2.27633918
echTel1	gadMor1	2.30002555	echTel1	gadMor1	2.29372359
equCab2	gadMor1	2.12366416	equCab2	gadMor1	2.11662414
eriEur1	gadMor1	2.29405307	eriEur1	gadMor1	2.28798404

felCat5	gadMor1	2.15415196	felCat5	gadMor1	2.14692454
fr3	gadMor1	1.2816476	fr3	gadMor1	1.28816394
galGal4	gadMor1	2.05565578	galGal4	gadMor1	2.04202292
gasAcu1	gadMor1	1.1206567	gasAcu1	gadMor1	1.1298962
gorGor3	gadMor1	2.13859226	gorGor3	gadMor1	2.13224561
hetGla2	gadMor1	2.23561584	hetGla2	gadMor1	2.23109758
hg19	gadMor1	2.13924562	hg19	gadMor1	2.13166707
latCha1	gadMor1	1.909714	latCha1	gadMor1	1.95912669
loxAfr3	gadMor1	2.12033151	loxAfr3	gadMor1	2.11355091
macEug2	gadMor1	2.0570524	macEug2	gadMor1	2.04850019
melGal1	gadMor1	2.07082278	melGal1	gadMor1	2.05784862
melUnd1	gadMor1	1.9846159	melUnd1	gadMor1	1.97054516
micMur1	gadMor1	2.1402147	micMur1	gadMor1	2.13321303
mm10	gadMor1	2.35822294	mm10	gadMor1	2.35350408
monDom5	gadMor1	2.0557565	monDom5	gadMor1	2.04594979
myoLuc2	gadMor1	2.17934158	myoLuc2	gadMor1	2.17381161
nomLeu2	gadMor1	2.1381254	nomLeu2	gadMor1	2.13197533
ochPri2	gadMor1	2.3108832	ochPri2	gadMor1	2.30650919
oreNil2	gadMor1	1.1562756	oreNil2	gadMor1	1.16257494
ornAna1	gadMor1	2.1302768	ornAna1	gadMor1	2.11994269
oryCun2	gadMor1	2.2195562	oryCun2	gadMor1	2.21543919
oryLat2	gadMor1	1.178551	oryLat2	gadMor1	1.185763
otoGar3	gadMor1	2.1756319	otoGar3	gadMor1	2.16945413
oviAri1	gadMor1	2.20312697	oviAri1	gadMor1	2.1974582
panTro4	gadMor1	2.13942736	panTro4	gadMor1	2.13226045
papHam1	gadMor1	2.141552	papHam1	gadMor1	2.13560083
ponAbe2	gadMor1	2.13904949	ponAbe2	gadMor1	2.13224363
proCap1	gadMor1	2.20178551	proCap1	gadMor1	2.19639611
pteVam1	gadMor1	2.15621058	pteVam1	gadMor1	2.14928761
rheMac3	gadMor1	2.14171665	rheMac3	gadMor1	2.13480539
rn5	gadMor1	2.36495654	rn5	gadMor1	2.35989028
saiBol1	gadMor1	2.1530253	saiBol1	gadMor1	2.14634373
sarHar1	gadMor1	2.0778704	sarHar1	gadMor1	2.08550399
sorAra1	gadMor1	2.33773807	sorAra1	gadMor1	2.33376304
speTri2	gadMor1	2.1808301	speTri2	gadMor1	2.17594419
susScr3	gadMor1	2.1674773	susScr3	gadMor1	2.16172689
taeGut1	gadMor1	2.06851678	taeGut1	gadMor1	2.05563892
tarSyr1	gadMor1	2.1618062	tarSyr1	gadMor1	2.15670253
tetNig2	gadMor1	1.3061056	tetNig2	gadMor1	1.31207794
triMan1	gadMor1	2.09864345	triMan1	gadMor1	2.0926642
tupBel1	gadMor1	2.1867211	tupBel1	gadMor1	2.18121753
turTru2	gadMor1	2.13346687	turTru2	gadMor1	2.1273136
vicPac1	gadMor1	2.15933847	vicPac1	gadMor1	2.153887
xenTro3	gadMor1	2.3205658	xenTro3	gadMor1	2.28531269
ailMel1	galGal4	1.23683184	ailMel1	galGal4	1.24224648
anoCar2	galGal4	0.99007788	anoCar2	galGal4	0.99630276
bosTau7	galGal4	1.26925345	bosTau7	galGal4	1.27778654
calJac3	galGal4	1.22773788	calJac3	galGal4	1.23496517
canFam3	galGal4	1.24889854	Clup	galGal4	1.27168288
cavPor3	galGal4	1.35455382	cavPor3	galGal4	1.36499852
choHof1	galGal4	1.18130403	choHof1	galGal4	1.18799994
chrPic1	galGal4	0.62937298	chrPic1	galGal4	0.62859823
danRer7	galGal4	2.07685178	danRer7	galGal4	2.07991692
dasNov3	galGal4	1.19592423	dasNov3	galGal4	1.20362104
dipOrd1	galGal4	1.35491682	dipOrd1	galGal4	1.36411872
echTel1	galGal4	1.37381973	echTel1	galGal4	1.38150313
equCab2	galGal4	1.19745834	equCab2	galGal4	1.20440368
eriEur1	galGal4	1.36784725	eriEur1	galGal4	1.37576358
felCat5	galGal4	1.22794614	felCat5	galGal4	1.23470408
fr3	galGal4	2.21174738	fr3	galGal4	2.21338486
gadMor1	galGal4	2.05565578	gadMor1	galGal4	2.04202292
gasAcu1	galGal4	2.05075648	gasAcu1	galGal4	2.05511712
gorGor3	galGal4	1.21238644	gorGor3	galGal4	1.22002515

hetGla2	galGal4	1.30941002	hetGla2	galGal4	1.31887712
hg19	galGal4	1.2130398	hg19	galGal4	1.21944661
latCha1	galGal4	1.33985378	latCha1	galGal4	1.34419623
loxAfr3	galGal4	1.19412569	loxAfr3	galGal4	1.20133045
macEug2	galGal4	1.13084658	macEug2	galGal4	1.13627973
melGal1	galGal4	0.120227	melGal1	galGal4	0.1205117
melUnd1	galGal4	0.32658788	melUnd1	galGal4	0.32685376
micMur1	galGal4	1.21400888	micMur1	galGal4	1.22099257
mm10	galGal4	1.43201712	mm10	galGal4	1.44128362
monDom5	galGal4	1.12955068	monDom5	galGal4	1.13372933
myoLuc2	galGal4	1.25313576	myoLuc2	galGal4	1.26159115
nomLeu2	galGal4	1.21191958	nomLeu2	galGal4	1.21975487
ochPri2	galGal4	1.38467738	ochPri2	galGal4	1.39428873
oreNil2	galGal4	2.08637538	oreNil2	galGal4	2.08779586
ornAna1	galGal4	1.20407098	ornAna1	galGal4	1.20772223
oryCun2	galGal4	1.29335038	oryCun2	galGal4	1.30321873
oryLat2	galGal4	2.10865078	oryLat2	galGal4	2.11098392
otoGar3	galGal4	1.24942608	otoGar3	galGal4	1.25723367
oviAri1	galGal4	1.27692115	oviAri1	galGal4	1.28523774
panTro4	galGal4	1.21322154	panTro4	galGal4	1.22003999
papHam1	galGal4	1.21534618	papHam1	galGal4	1.22338037
ponAbe2	galGal4	1.21284367	ponAbe2	galGal4	1.22002317
proCap1	galGal4	1.27557969	proCap1	galGal4	1.28417565
pteVam1	galGal4	1.23000476	pteVam1	galGal4	1.23706715
rheMac3	galGal4	1.21551083	rheMac3	galGal4	1.22258493
rn5	galGal4	1.43875072	rn5	galGal4	1.44766982
saiBol1	galGal4	1.22681948	saiBol1	galGal4	1.23412327
sarHar1	galGal4	1.15166458	sarHar1	galGal4	1.17328353
sorAra1	galGal4	1.41153225	sorAra1	galGal4	1.42154258
speTri2	galGal4	1.25462428	speTri2	galGal4	1.26372373
susScr3	galGal4	1.24127148	susScr3	galGal4	1.24950643
taeGut1	galGal4	0.392501	taeGut1	galGal4	0.394084
tarSyr1	galGal4	1.23560038	tarSyr1	galGal4	1.24448207
tetNig2	galGal4	2.23620538	tetNig2	galGal4	2.23729886
triMan1	galGal4	1.17243763	triMan1	galGal4	1.18044374
tupBel1	galGal4	1.26051528	tupBel1	galGal4	1.26899707
turTru2	galGal4	1.20726105	turTru2	galGal4	1.21509314
vicPac1	galGal4	1.23313265	vicPac1	galGal4	1.24166654
xenTro3	galGal4	1.62141398	xenTro3	galGal4	1.64731423
ailMel1	gasAcu1	2.15813836	ailMel1	gasAcu1	2.16756114
anoCar2	gasAcu1	2.2110506	anoCar2	gasAcu1	2.21419836
bosTau7	gasAcu1	2.19055997	bosTau7	gasAcu1	2.2031012
calJac3	gasAcu1	2.1490444	calJac3	gasAcu1	2.16027983
canFam3	gasAcu1	2.17020506	Clup	gasAcu1	2.19699754
cavPor3	gasAcu1	2.27586034	cavPor3	gasAcu1	2.29031318
choHof1	gasAcu1	2.10261055	choHof1	gasAcu1	2.1133146
chrPic1	gasAcu1	1.8247015	chrPic1	gasAcu1	1.83044289
danRer7	gasAcu1	1.4805567	danRer7	gasAcu1	1.5163062
dasNov3	gasAcu1	2.11723075	dasNov3	gasAcu1	2.1289357
dipOrd1	gasAcu1	2.27622334	dipOrd1	gasAcu1	2.28943338
echTel1	gasAcu1	2.29512625	echTel1	gasAcu1	2.30681779
equCab2	gasAcu1	2.11876486	equCab2	gasAcu1	2.12971834
eriEur1	gasAcu1	2.28915377	eriEur1	gasAcu1	2.30107824
felCat5	gasAcu1	2.14925266	felCat5	gasAcu1	2.16001874
fr3	gasAcu1	0.7906729	fr3	gasAcu1	0.79180774
gadMor1	gasAcu1	1.1206567	gadMor1	gasAcu1	1.1298962
galGal4	gasAcu1	2.05075648	galGal4	gasAcu1	2.05511712
gorGor3	gasAcu1	2.13369296	gorGor3	gasAcu1	2.14533981
hetGla2	gasAcu1	2.23071654	hetGla2	gasAcu1	2.24419178
hg19	gasAcu1	2.13434632	hg19	gasAcu1	2.14476127
latCha1	gasAcu1	1.9048147	latCha1	gasAcu1	1.97222089
loxAfr3	gasAcu1	2.11543221	loxAfr3	gasAcu1	2.12664511
macEug2	gasAcu1	2.0521531	macEug2	gasAcu1	2.06159439

melGal1	gasAcu1	2.06592348	melGal1	gasAcu1	2.07094282
melUnd1	gasAcu1	1.9797166	melUnd1	gasAcu1	1.98363936
micMur1	gasAcu1	2.1353154	micMur1	gasAcu1	2.14630723
mm10	gasAcu1	2.35332364	mm10	gasAcu1	2.36659828
monDom5	gasAcu1	2.0508572	monDom5	gasAcu1	2.05904399
myoLuc2	gasAcu1	2.17444228	myoLuc2	gasAcu1	2.18690581
nomLeu2	gasAcu1	2.1332261	nomLeu2	gasAcu1	2.14506953
ochPri2	gasAcu1	2.3059839	ochPri2	gasAcu1	2.31960339
oreNil2	gasAcu1	0.6653009	oreNil2	gasAcu1	0.66621874
ornAna1	gasAcu1	2.1253775	ornAna1	gasAcu1	2.13303689
oryCun2	gasAcu1	2.2146569	oryCun2	gasAcu1	2.22853339
oryLat2	gasAcu1	0.8023157	oryLat2	gasAcu1	0.8069112
otoGar3	gasAcu1	2.1707326	otoGar3	gasAcu1	2.18254833
oviAri1	gasAcu1	2.19822767	oviAri1	gasAcu1	2.2105524
panTro4	gasAcu1	2.13452806	panTro4	gasAcu1	2.14535465
papHam1	gasAcu1	2.1366527	papHam1	gasAcu1	2.14869503
ponAbe2	gasAcu1	2.13415019	ponAbe2	gasAcu1	2.14533783
proCap1	gasAcu1	2.19688621	proCap1	gasAcu1	2.20949031
pteVam1	gasAcu1	2.15131128	pteVam1	gasAcu1	2.16238181
rheMac3	gasAcu1	2.13681735	rheMac3	gasAcu1	2.14789959
rn5	gasAcu1	2.36005724	rn5	gasAcu1	2.37298448
saiBol1	gasAcu1	2.148126	saiBol1	gasAcu1	2.15943793
sarHar1	gasAcu1	2.0729711	sarHar1	gasAcu1	2.09859819
sorAra1	gasAcu1	2.33283877	sorAra1	gasAcu1	2.34685724
speTri2	gasAcu1	2.1759308	speTri2	gasAcu1	2.18903839
susScr3	gasAcu1	2.162578	susScr3	gasAcu1	2.17482109
taeGut1	gasAcu1	2.06361748	taeGut1	gasAcu1	2.06873312
tarSyr1	gasAcu1	2.1569069	tarSyr1	gasAcu1	2.16979673
tetNig2	gasAcu1	0.8151309	tetNig2	gasAcu1	0.81572174
triMan1	gasAcu1	2.09374415	triMan1	gasAcu1	2.1057584
tupBel1	gasAcu1	2.1818218	tupBel1	gasAcu1	2.19431173
turTru2	gasAcu1	2.12856757	turTru2	gasAcu1	2.1404078
vicPac1	gasAcu1	2.15443917	vicPac1	gasAcu1	2.1669812
xenTro3	gasAcu1	2.3156665	xenTro3	gasAcu1	2.29840689
ailMel1	gorGor3	0.35718952	ailMel1	gorGor3	0.35762177
anoCar2	gorGor3	1.37268056	anoCar2	gorGor3	1.37910639
bosTau7	gorGor3	0.38961113	bosTau7	gorGor3	0.39316183
calJac3	gorGor3	0.12496376	calJac3	gorGor3	0.12605078
canFam3	gorGor3	0.36925622	Clup	gorGor3	0.38705817
cavPor3	gorGor3	0.4319823	cavPor3	gorGor3	0.43698181
choHof1	gorGor3	0.34794111	choHof1	gorGor3	0.34953243
chrPic1	gorGor3	0.98633146	chrPic1	gorGor3	0.99535092
danRer7	gorGor3	2.15978826	danRer7	gorGor3	2.17013961
dasNov3	gorGor3	0.36256131	dasNov3	gorGor3	0.36515353
dipOrd1	gorGor3	0.4323453	dipOrd1	gorGor3	0.43610201
echTel1	gorGor3	0.54045681	echTel1	gorGor3	0.54303562
equCab2	gorGor3	0.31781602	equCab2	gorGor3	0.31977897
eriEur1	gorGor3	0.48820493	eriEur1	gorGor3	0.49113887
felCat5	gorGor3	0.34830382	felCat5	gorGor3	0.35007937
fr3	gorGor3	2.29468386	fr3	gorGor3	2.30360755
gadMor1	gorGor3	2.13859226	gadMor1	gorGor3	2.13224561
galGal4	gorGor3	1.21238644	galGal4	gorGor3	1.22002515
gasAcu1	gorGor3	2.13369296	gasAcu1	gorGor3	2.14533981
hetGla2	gorGor3	0.3868385	hetGla2	gorGor3	0.39086041
hg19	gorGor3	0.01902586	hg19	gorGor3	0.01826226
latCha1	gorGor3	1.42279026	latCha1	gorGor3	1.43441892
loxAfr3	gorGor3	0.36076277	loxAfr3	gorGor3	0.36286294
macEug2	gorGor3	0.78941766	macEug2	gorGor3	0.79358822
melGal1	gorGor3	1.22755344	melGal1	gorGor3	1.23585085
melUnd1	gorGor3	1.14134656	melUnd1	gorGor3	1.14854739
micMur1	gorGor3	0.25231056	micMur1	gorGor3	0.25456298
mm10	gorGor3	0.5094456	mm10	gorGor3	0.51326691
monDom5	gorGor3	0.78812176	monDom5	gorGor3	0.79103782

myoLuc2	gorGor3	0.37349344	myoLuc2	gorGor3	0.37696644
nomLeu2	gorGor3	0.04410826	nomLeu2	gorGor3	0.04461388
ochPri2	gorGor3	0.46210586	ochPri2	gorGor3	0.46627202
oreNil2	gorGor3	2.16931186	oreNil2	gorGor3	2.17801855
ornAna1	gorGor3	1.01681546	ornAna1	gorGor3	1.02240692
oryCun2	gorGor3	0.37077886	oryCun2	gorGor3	0.37520202
oryLat2	gorGor3	2.19158726	oryLat2	gorGor3	2.20120661
otoGar3	gorGor3	0.28772776	otoGar3	gorGor3	0.29080408
oviAri1	gorGor3	0.39727883	oviAri1	gorGor3	0.40061303
panTro4	gorGor3	0.0192076	panTro4	gorGor3	0.01885564
papHam1	gorGor3	0.07090446	papHam1	gorGor3	0.07197118
ponAbe2	gorGor3	0.03791137	ponAbe2	gorGor3	0.03863298
proCap1	gorGor3	0.44221677	proCap1	gorGor3	0.44570814
pteVam1	gorGor3	0.35036244	pteVam1	gorGor3	0.35244244
rheMac3	gorGor3	0.07106911	rheMac3	gorGor3	0.07117574
rn5	gorGor3	0.5161792	rn5	gorGor3	0.51965311
saiBol1	gorGor3	0.12404536	saiBol1	gorGor3	0.12520888
sarHar1	gorGor3	0.81023566	sarHar1	gorGor3	0.83059202
sorAra1	gorGor3	0.53188993	sorAra1	gorGor3	0.53691787
speTri2	gorGor3	0.33205276	speTri2	gorGor3	0.33570702
susScr3	gorGor3	0.36162916	susScr3	gorGor3	0.36488172
taeGut1	gorGor3	1.22524744	taeGut1	gorGor3	1.23364115
tarSyr1	gorGor3	0.25172006	tarSyr1	gorGor3	0.25486708
tetNig2	gorGor3	2.31914186	tetNig2	gorGor3	2.32752155
triMan1	gorGor3	0.33907471	triMan1	gorGor3	0.34197623
tupBel1	gorGor3	0.32945116	tupBel1	gorGor3	0.33240808
turTru2	gorGor3	0.32761873	turTru2	gorGor3	0.33046843
vicPac1	gorGor3	0.35349033	vicPac1	gorGor3	0.35704183
xenTro3	gorGor3	1.70435046	xenTro3	gorGor3	1.73753692
ailMel1	hetGla2	0.4542131	ailMel1	hetGla2	0.45647374
anoCar2	hetGla2	1.46970414	anoCar2	hetGla2	1.47795836
bosTau7	hetGla2	0.48663471	bosTau7	hetGla2	0.4920138
calJac3	hetGla2	0.40218994	calJac3	hetGla2	0.40580043
canFam3	hetGla2	0.4662798	Clup	hetGla2	0.48591014
cavPor3	hetGla2	0.2286082	cavPor3	hetGla2	0.2312906
choHof1	hetGla2	0.44496469	choHof1	hetGla2	0.4483844
chrPic1	hetGla2	1.08335504	chrPic1	hetGla2	1.09420289
danRer7	hetGla2	2.25681184	danRer7	hetGla2	2.26899158
dasNov3	hetGla2	0.45958489	dasNov3	hetGla2	0.4640055
dipOrd1	hetGla2	0.4278254	dipOrd1	hetGla2	0.4316848
echTel1	hetGla2	0.63748039	echTel1	hetGla2	0.64188759
equCab2	hetGla2	0.4148396	equCab2	hetGla2	0.41863094
eriEur1	hetGla2	0.58522851	eriEur1	hetGla2	0.58999084
felCat5	hetGla2	0.4453274	felCat5	hetGla2	0.44893134
fr3	hetGla2	2.39170744	fr3	hetGla2	2.40245952
gadMor1	hetGla2	2.23561584	gadMor1	hetGla2	2.23109758
galGal4	hetGla2	1.30941002	galGal4	hetGla2	1.31887712
gasAcu1	hetGla2	2.23071654	gasAcu1	hetGla2	2.24419178
gorGor3	hetGla2	0.3868385	gorGor3	hetGla2	0.39086041
hg19	hetGla2	0.38749186	hg19	hetGla2	0.39028187
latCha1	hetGla2	1.51981384	latCha1	hetGla2	1.53327089
loxAfr3	hetGla2	0.45778635	loxAfr3	hetGla2	0.46171491
macEug2	hetGla2	0.88644124	macEug2	hetGla2	0.89244019
melGal1	hetGla2	1.32457702	melGal1	hetGla2	1.33470282
melUnd1	hetGla2	1.23837014	melUnd1	hetGla2	1.24739936
micMur1	hetGla2	0.38846094	micMur1	hetGla2	0.39182783
mm10	hetGla2	0.5049257	mm10	hetGla2	0.5088497
monDom5	hetGla2	0.88514534	monDom5	hetGla2	0.88988979
myoLuc2	hetGla2	0.47051702	myoLuc2	hetGla2	0.47581841
nomLeu2	hetGla2	0.38637164	nomLeu2	hetGla2	0.39059013
ochPri2	hetGla2	0.53079864	ochPri2	hetGla2	0.53513839
oreNil2	hetGla2	2.26633544	oreNil2	hetGla2	2.27687052
ornAna1	hetGla2	1.11383904	ornAna1	hetGla2	1.12125889

oryCun2	hetGla2	0.43947164	oryCun2	hetGla2	0.44406839
oryLat2	hetGla2	2.28861084	oryLat2	hetGla2	2.30005858
otoGar3	hetGla2	0.42387814	otoGar3	hetGla2	0.42806893
oviAri1	hetGla2	0.49430241	oviAri1	hetGla2	0.499465
panTro4	hetGla2	0.3876736	panTro4	hetGla2	0.39087525
papHam1	hetGla2	0.38979824	papHam1	hetGla2	0.39421563
ponAbe2	hetGla2	0.38729573	ponAbe2	hetGla2	0.39085843
proCap1	hetGla2	0.53924035	proCap1	hetGla2	0.54456011
pteVam1	hetGla2	0.44738602	pteVam1	hetGla2	0.45129441
rheMac3	hetGla2	0.38996289	rheMac3	hetGla2	0.39342019
rn5	hetGla2	0.5116593	rn5	hetGla2	0.5152359
saiBol1	hetGla2	0.40127154	saiBol1	hetGla2	0.40495853
sarHar1	hetGla2	0.90725924	sarHar1	hetGla2	0.92944399
sorAra1	hetGla2	0.62891351	sorAra1	hetGla2	0.63576984
speTri2	hetGla2	0.34575174	speTri2	hetGla2	0.34898539
susScr3	hetGla2	0.45865274	susScr3	hetGla2	0.46373369
taeGut1	hetGla2	1.32227102	taeGut1	hetGla2	1.33249312
tarSyr1	hetGla2	0.41005244	tarSyr1	hetGla2	0.41531733
tetNig2	hetGla2	2.41616544	tetNig2	hetGla2	2.42637352
triMan1	hetGla2	0.43609829	triMan1	hetGla2	0.4408282
tupBel1	hetGla2	0.43496734	tupBel1	hetGla2	0.43983233
turTru2	hetGla2	0.42464231	turTru2	hetGla2	0.4293204
vicPac1	hetGla2	0.45051391	vicPac1	hetGla2	0.4558938
xenTro3	hetGla2	1.80137404	xenTro3	hetGla2	1.83638889
ailMel1	hg19	0.35784288	ailMel1	hg19	0.35704323
anoCar2	hg19	1.37333392	anoCar2	hg19	1.37852785
bosTau7	hg19	0.39026449	bosTau7	hg19	0.39258329
calJac3	hg19	0.12561712	calJac3	hg19	0.12547224
canFam3	hg19	0.36990958	Clup	hg19	0.38647963
cavPor3	hg19	0.43263566	cavPor3	hg19	0.43640327
choHof1	hg19	0.34859447	choHof1	hg19	0.34895389
chrPic1	hg19	0.98698482	chrPic1	hg19	0.99477238
danRer7	hg19	2.16044162	danRer7	hg19	2.16956107
dasNov3	hg19	0.36321467	dasNov3	hg19	0.36457499
dipOrd1	hg19	0.43299866	dipOrd1	hg19	0.43552347
echTel1	hg19	0.54111017	echTel1	hg19	0.54245708
equCab2	hg19	0.31846938	equCab2	hg19	0.31920043
eriEur1	hg19	0.48885829	eriEur1	hg19	0.49056033
felCat5	hg19	0.34895718	felCat5	hg19	0.34950083
fr3	hg19	2.29533722	fr3	hg19	2.30302901
gadMor1	hg19	2.13924562	gadMor1	hg19	2.13166707
galGal4	hg19	1.2130398	galGal4	hg19	1.21944661
gasAcu1	hg19	2.13434632	gasAcu1	hg19	2.14476127
gorGor3	hg19	0.01902586	gorGor3	hg19	0.01826226
hetGla2	hg19	0.38749186	hetGla2	hg19	0.39028187
latCha1	hg19	1.42344362	latCha1	hg19	1.43384038
loxAfr3	hg19	0.36141613	loxAfr3	hg19	0.3622844
macEug2	hg19	0.79007102	macEug2	hg19	0.79300968
melGal1	hg19	1.2282068	melGal1	hg19	1.23527231
melUnd1	hg19	1.14199992	melUnd1	hg19	1.14796885
micMur1	hg19	0.25296392	micMur1	hg19	0.25398444
mm10	hg19	0.51009896	mm10	hg19	0.51268837
monDom5	hg19	0.78877512	monDom5	hg19	0.79045928
myoLuc2	hg19	0.3741468	myoLuc2	hg19	0.3763879
nomLeu2	hg19	0.04476162	nomLeu2	hg19	0.04403534
ochPri2	hg19	0.46275922	ochPri2	hg19	0.46569348
oreNil2	hg19	2.16996522	oreNil2	hg19	2.17744001
ornAna1	hg19	1.01746882	ornAna1	hg19	1.02182838
oryCun2	hg19	0.37143222	oryCun2	hg19	0.37462348
oryLat2	hg19	2.19224062	oryLat2	hg19	2.20062807
otoGar3	hg19	0.28838112	otoGar3	hg19	0.29022554
oviAri1	hg19	0.39793219	oviAri1	hg19	0.40003449
panTro4	hg19	0.01366288	panTro4	hg19	0.01343896

papHam1	hg19	0.07155782	papHam1	hg19	0.07139264
ponAbe2	hg19	0.03856473	ponAbe2	hg19	0.03805444
proCap1	hg19	0.44287013	proCap1	hg19	0.4451296
pteVam1	hg19	0.3510158	pteVam1	hg19	0.3518639
rheMac3	hg19	0.07172247	rheMac3	hg19	0.0705972
rn5	hg19	0.51683256	rn5	hg19	0.51907457
saiBol1	hg19	0.12469872	saiBol1	hg19	0.12463034
sarHar1	hg19	0.81088902	sarHar1	hg19	0.83001348
sorAra1	hg19	0.53254329	sorAra1	hg19	0.53633933
speTri2	hg19	0.33270612	speTri2	hg19	0.33512848
susScr3	hg19	0.36228252	susScr3	hg19	0.36430318
taeGut1	hg19	1.2259008	taeGut1	hg19	1.23306261
tarSyr1	hg19	0.25237342	tarSyr1	hg19	0.25428854
tetNig2	hg19	2.31979522	tetNig2	hg19	2.32694301
triMan1	hg19	0.33972807	triMan1	hg19	0.34139769
tupBel1	hg19	0.33010452	tupBel1	hg19	0.33182954
turTru2	hg19	0.32827209	turTru2	hg19	0.32988989
vicPac1	hg19	0.35414369	vicPac1	hg19	0.35646329
xenTro3	hg19	1.70500382	xenTro3	hg19	1.73695838
ailMel1	latCha1	1.44723566	ailMel1	latCha1	1.45664025
anoCar2	latCha1	1.5001479	anoCar2	latCha1	1.50327747
bosTau7	latCha1	1.47965727	bosTau7	latCha1	1.49218031
calJac3	latCha1	1.4381417	calJac3	latCha1	1.44935894
canFam3	latCha1	1.45930236	Clup	latCha1	1.48607665
cavPor3	latCha1	1.56495764	cavPor3	latCha1	1.57939229
choHof1	latCha1	1.39170785	choHof1	latCha1	1.40239371
chrPic1	latCha1	1.1137988	chrPic1	latCha1	1.119522
danRer7	latCha1	1.93091	danRer7	latCha1	1.99702069
dasNov3	latCha1	1.40632805	dasNov3	latCha1	1.41801481
dipOrd1	latCha1	1.56532064	dipOrd1	latCha1	1.57851249
echTel1	latCha1	1.58422355	echTel1	latCha1	1.5958969
equCab2	latCha1	1.40786216	equCab2	latCha1	1.41879745
eriEur1	latCha1	1.57825107	eriEur1	latCha1	1.59015735
felCat5	latCha1	1.43834996	felCat5	latCha1	1.44909785
fr3	latCha1	2.0658056	fr3	latCha1	2.13048863
gadMor1	latCha1	1.909714	gadMor1	latCha1	1.95912669
galGal4	latCha1	1.33985378	galGal4	latCha1	1.34419623
gasAcu1	latCha1	1.9048147	gasAcu1	latCha1	1.97222089
gorGor3	latCha1	1.42279026	gorGor3	latCha1	1.43441892
hetGla2	latCha1	1.51981384	hetGla2	latCha1	1.53327089
hg19	latCha1	1.42344362	hg19	latCha1	1.43384038
loxAfr3	latCha1	1.40452951	loxAfr3	latCha1	1.41572422
macEug2	latCha1	1.3412504	macEug2	latCha1	1.3506735
melGal1	latCha1	1.35502078	melGal1	latCha1	1.36002193
melUnd1	latCha1	1.2688139	melUnd1	latCha1	1.27271847
micMur1	latCha1	1.4244127	micMur1	latCha1	1.43538634
mm10	latCha1	1.64242094	mm10	latCha1	1.65567739
monDom5	latCha1	1.3399545	monDom5	latCha1	1.3481231
myoLuc2	latCha1	1.46353958	myoLuc2	latCha1	1.47598492
nomLeu2	latCha1	1.4223234	nomLeu2	latCha1	1.43414864
ochPri2	latCha1	1.5950812	ochPri2	latCha1	1.6086825
oreNil2	latCha1	1.9404336	oreNil2	latCha1	2.00489963
ornAna1	latCha1	1.4144748	ornAna1	latCha1	1.422116
oryCun2	latCha1	1.5037542	oryCun2	latCha1	1.5176125
oryLat2	latCha1	1.962709	oryLat2	latCha1	2.02808769
otoGar3	latCha1	1.4598299	otoGar3	latCha1	1.47162744
oviAri1	latCha1	1.48732497	oviAri1	latCha1	1.49963151
panTro4	latCha1	1.42362536	panTro4	latCha1	1.43443376
papHam1	latCha1	1.42575	papHam1	latCha1	1.43777414
ponAbe2	latCha1	1.42324749	ponAbe2	latCha1	1.43441694
proCap1	latCha1	1.48598351	proCap1	latCha1	1.49856942
pteVam1	latCha1	1.44040858	pteVam1	latCha1	1.45146092
rheMac3	latCha1	1.42591465	rheMac3	latCha1	1.4369787

rn5	latCha1	1.64915454	rn5	latCha1	1.66206359
saiBol1	latCha1	1.4372233	saiBol1	latCha1	1.44851704
sarHar1	latCha1	1.3620684	sarHar1	latCha1	1.3876773
sorAra1	latCha1	1.62193607	sorAra1	latCha1	1.63593635
speTri2	latCha1	1.4650281	speTri2	latCha1	1.4781175
susScr3	latCha1	1.4516753	susScr3	latCha1	1.4639002
taeGut1	latCha1	1.35271478	taeGut1	latCha1	1.35781223
tarSyr1	latCha1	1.4460042	tarSyr1	latCha1	1.45887584
tetNig2	latCha1	2.0902636	tetNig2	latCha1	2.15440263
triMan1	latCha1	1.38284145	triMan1	latCha1	1.39483751
tupBel1	latCha1	1.4709191	tupBel1	latCha1	1.48339084
turTru2	latCha1	1.41766487	turTru2	latCha1	1.42948691
vicPac1	latCha1	1.44353647	vicPac1	latCha1	1.45606031
xenTro3	latCha1	1.6047638	xenTro3	latCha1	1.587486
ailMel1	loxAfr3	0.38520817	ailMel1	loxAfr3	0.38508427
anoCar2	loxAfr3	1.35441981	anoCar2	loxAfr3	1.36041169
bosTau7	loxAfr3	0.41762978	bosTau7	loxAfr3	0.42062433
calJac3	loxAfr3	0.37611421	calJac3	loxAfr3	0.37780296
canFam3	loxAfr3	0.39727487	Clup	loxAfr3	0.41452067
cavPor3	loxAfr3	0.50293015	cavPor3	loxAfr3	0.50783631
choHof1	loxAfr3	0.31489806	choHof1	loxAfr3	0.31634311
chrPic1	loxAfr3	0.96807071	chrPic1	loxAfr3	0.97665622
danRer7	loxAfr3	2.14152751	danRer7	loxAfr3	2.15144491
dasNov3	loxAfr3	0.32951826	dasNov3	loxAfr3	0.33196421
dipOrd1	loxAfr3	0.50329315	dipOrd1	loxAfr3	0.50695651
echTel1	loxAfr3	0.35387796	echTel1	loxAfr3	0.35825132
equCab2	loxAfr3	0.34583467	equCab2	loxAfr3	0.34724147
eriEur1	loxAfr3	0.51622358	eriEur1	loxAfr3	0.51860137
felCat5	loxAfr3	0.37632247	felCat5	loxAfr3	0.37754187
fr3	loxAfr3	2.27642311	fr3	loxAfr3	2.28491285
gadMor1	loxAfr3	2.12033151	gadMor1	loxAfr3	2.11355091
galGal4	loxAfr3	1.19412569	galGal4	loxAfr3	1.20133045
gasAcu1	loxAfr3	2.11543221	gasAcu1	loxAfr3	2.12664511
gorGor3	loxAfr3	0.36076277	gorGor3	loxAfr3	0.36286294
hetGla2	loxAfr3	0.45778635	hetGla2	loxAfr3	0.46171491
hg19	loxAfr3	0.36141613	hg19	loxAfr3	0.3622844
latCha1	loxAfr3	1.40452951	latCha1	loxAfr3	1.41572422
macEug2	loxAfr3	0.77115691	macEug2	loxAfr3	0.77489352
melGal1	loxAfr3	1.20929269	melGal1	loxAfr3	1.21715615
melUnd1	loxAfr3	1.12308581	melUnd1	loxAfr3	1.12985269
micMur1	loxAfr3	0.36238521	micMur1	loxAfr3	0.36383036
mm10	loxAfr3	0.58039345	mm10	loxAfr3	0.58412141
monDom5	loxAfr3	0.76986101	monDom5	loxAfr3	0.77234312
myoLuc2	loxAfr3	0.40151209	myoLuc2	loxAfr3	0.40442894
nomLeu2	loxAfr3	0.36029591	nomLeu2	loxAfr3	0.36259266
ochPri2	loxAfr3	0.53305371	ochPri2	loxAfr3	0.53712652
oreNil2	loxAfr3	2.15105111	oreNil2	loxAfr3	2.15932385
ornAna1	loxAfr3	0.99855471	ornAna1	loxAfr3	1.00371222
oryCun2	loxAfr3	0.44172671	oryCun2	loxAfr3	0.44605652
oryLat2	loxAfr3	2.17332651	oryLat2	loxAfr3	2.18251191
otoGar3	loxAfr3	0.39780241	otoGar3	loxAfr3	0.40007146
oviAri1	loxAfr3	0.42529748	oviAri1	loxAfr3	0.42807553
panTro4	loxAfr3	0.36159787	panTro4	loxAfr3	0.36287778
papHam1	loxAfr3	0.36372251	papHam1	loxAfr3	0.36621816
ponAbe2	loxAfr3	0.36122	ponAbe2	loxAfr3	0.36286096
proCap1	loxAfr3	0.239136	proCap1	loxAfr3	0.2419928
pteVam1	loxAfr3	0.37838109	pteVam1	loxAfr3	0.37990494
rheMac3	loxAfr3	0.36388716	rheMac3	loxAfr3	0.36542272
rn5	loxAfr3	0.58712705	rn5	loxAfr3	0.59050761
saiBol1	loxAfr3	0.37519581	saiBol1	loxAfr3	0.37696106
sarHar1	loxAfr3	0.79197491	sarHar1	loxAfr3	0.81189732
sorAra1	loxAfr3	0.55990858	sorAra1	loxAfr3	0.56438037
speTri2	loxAfr3	0.40300061	speTri2	loxAfr3	0.40656152

susScr3	loxAfr3	0.38964781	susScr3	loxAfr3	0.39234422
taeGut1	loxAfr3	1.20698669	taeGut1	loxAfr3	1.21494645
tarSyr1	loxAfr3	0.38397671	tarSyr1	loxAfr3	0.38731986
tetNig2	loxAfr3	2.30088111	tetNig2	loxAfr3	2.30882685
triMan1	loxAfr3	0.15882306	triMan1	loxAfr3	0.16033311
tupBel1	loxAfr3	0.40889161	tupBel1	loxAfr3	0.41183486
turTru2	loxAfr3	0.35563738	turTru2	loxAfr3	0.35793093
vicPac1	loxAfr3	0.38150898	vicPac1	loxAfr3	0.38450433
xenTro3	loxAfr3	1.68608971	xenTro3	loxAfr3	1.71884222
ailMel1	macEug2	0.81386306	ailMel1	macEug2	0.81580955
anoCar2	macEug2	1.2911407	anoCar2	macEug2	1.29536097
bosTau7	macEug2	0.84628467	bosTau7	macEug2	0.85134961
calJac3	macEug2	0.8047691	calJac3	macEug2	0.80852824
canFam3	macEug2	0.82592976	Clup	macEug2	0.84524595
cavPor3	macEug2	0.93158504	cavPor3	macEug2	0.93856159
choHof1	macEug2	0.75833525	choHof1	macEug2	0.76156301
chrPic1	macEug2	0.9047916	chrPic1	macEug2	0.9116055
danRer7	macEug2	2.0782484	danRer7	macEug2	2.08639419
dasNov3	macEug2	0.77295545	dasNov3	macEug2	0.77718411
dipOrd1	macEug2	0.93194804	dipOrd1	macEug2	0.93768179
echTel1	macEug2	0.95085095	echTel1	macEug2	0.9550662
equCab2	macEug2	0.77448956	equCab2	macEug2	0.77796675
eriEur1	macEug2	0.94487847	eriEur1	macEug2	0.94932665
felCat5	macEug2	0.80497736	felCat5	macEug2	0.80826715
fr3	macEug2	2.213144	fr3	macEug2	2.21986213
gadMor1	macEug2	2.0570524	gadMor1	macEug2	2.04850019
galGal4	macEug2	1.13084658	galGal4	macEug2	1.13627973
gasAcu1	macEug2	2.0521531	gasAcu1	macEug2	2.06159439
gorGor3	macEug2	0.78941766	gorGor3	macEug2	0.79358822
hetGla2	macEug2	0.88644124	hetGla2	macEug2	0.89244019
hg19	macEug2	0.79007102	hg19	macEug2	0.79300968
latCha1	macEug2	1.3412504	latCha1	macEug2	1.3506735
loxAfr3	macEug2	0.77115691	loxAfr3	macEug2	0.77489352
melGal1	macEug2	1.14601358	melGal1	macEug2	1.15210543
melUnd1	macEug2	1.0598067	melUnd1	macEug2	1.06480197
micMur1	macEug2	0.7910401	micMur1	macEug2	0.79455564
mm10	macEug2	1.00904834	mm10	macEug2	1.01484669
monDom5	macEug2	0.2811219	monDom5	macEug2	0.2772064
myoLuc2	macEug2	0.83016698	myoLuc2	macEug2	0.83515422
nomLeu2	macEug2	0.7889508	nomLeu2	macEug2	0.79331794
ochPri2	macEug2	0.9617086	ochPri2	macEug2	0.9678518
oreNil2	macEug2	2.087772	oreNil2	macEug2	2.09427313
ornAna1	macEug2	0.9352756	ornAna1	macEug2	0.9386615
oryCun2	macEug2	0.8703816	oryCun2	macEug2	0.8767818
oryLat2	macEug2	2.1100474	oryLat2	macEug2	2.11746119
otoGar3	macEug2	0.8264573	otoGar3	macEug2	0.83079674
oviAri1	macEug2	0.85395237	oviAri1	macEug2	0.85880081
panTro4	macEug2	0.79025276	panTro4	macEug2	0.79360306
papHam1	macEug2	0.7923774	papHam1	macEug2	0.79694344
ponAbe2	macEug2	0.78987489	ponAbe2	macEug2	0.79358624
proCap1	macEug2	0.85261091	proCap1	macEug2	0.85773872
pteVam1	macEug2	0.80703598	pteVam1	macEug2	0.81063022
rheMac3	macEug2	0.79254205	rheMac3	macEug2	0.796148
rn5	macEug2	1.01578194	rn5	macEug2	1.02123289
saiBol1	macEug2	0.8038507	saiBol1	macEug2	0.80768634
sarHar1	macEug2	0.244374	sarHar1	macEug2	0.2566738
sorAra1	macEug2	0.98856347	sorAra1	macEug2	0.99510565
speTri2	macEug2	0.8316555	speTri2	macEug2	0.8372868
susScr3	macEug2	0.8183027	susScr3	macEug2	0.8230695
taeGut1	macEug2	1.14370758	taeGut1	macEug2	1.14989573
tarSyr1	macEug2	0.8126316	tarSyr1	macEug2	0.81804514
tetNig2	macEug2	2.237602	tetNig2	macEug2	2.24377613
triMan1	macEug2	0.74946885	triMan1	macEug2	0.75400681

tupBel1	macEug2	0.8375465	tupBel1	macEug2	0.84256014
turTru2	macEug2	0.78429227	turTru2	macEug2	0.78865621
vicPac1	macEug2	0.81016387	vicPac1	macEug2	0.81522961
xenTro3	macEug2	1.6228106	xenTro3	macEug2	1.6537915
ailMel1	melGal1	1.25199884	ailMel1	melGal1	1.25807218
anoCar2	melGal1	1.00524488	anoCar2	melGal1	1.01212846
bosTau7	melGal1	1.28442045	bosTau7	melGal1	1.29361224
calJac3	melGal1	1.24290488	calJac3	melGal1	1.25079087
canFam3	melGal1	1.26406554	Clup	melGal1	1.28750858
cavPor3	melGal1	1.36972082	cavPor3	melGal1	1.38082422
choHof1	melGal1	1.19647103	choHof1	melGal1	1.20382564
chrPic1	melGal1	0.64453998	chrPic1	melGal1	0.64442393
danRer7	melGal1	2.09201878	danRer7	melGal1	2.09574262
dasNov3	melGal1	1.21109123	dasNov3	melGal1	1.21944674
dipOrd1	melGal1	1.37008382	dipOrd1	melGal1	1.37994442
echTel1	melGal1	1.38898673	echTel1	melGal1	1.39732883
equCab2	melGal1	1.21262534	equCab2	melGal1	1.22022938
eriEur1	melGal1	1.38301425	eriEur1	melGal1	1.39158928
felCat5	melGal1	1.24311314	felCat5	melGal1	1.25052978
fr3	melGal1	2.22691438	fr3	melGal1	2.22921056
gadMor1	melGal1	2.07082278	gadMor1	melGal1	2.05784862
galGal4	melGal1	0.120227	galGal4	melGal1	0.1205117
gasAcu1	melGal1	2.06592348	gasAcu1	melGal1	2.07094282
gorGor3	melGal1	1.22755344	gorGor3	melGal1	1.23585085
hetGla2	melGal1	1.32457702	hetGla2	melGal1	1.33470282
hg19	melGal1	1.2282068	hg19	melGal1	1.23527231
latCha1	melGal1	1.35502078	latCha1	melGal1	1.36002193
loxAfr3	melGal1	1.20929269	loxAfr3	melGal1	1.21715615
macEug2	melGal1	1.14601358	macEug2	melGal1	1.15210543
melUnd1	melGal1	0.34175488	melUnd1	melGal1	0.34267946
micMur1	melGal1	1.22917588	micMur1	melGal1	1.23681827
mm10	melGal1	1.44718412	mm10	melGal1	1.45710932
monDom5	melGal1	1.14471768	monDom5	melGal1	1.14955503
myoLuc2	melGal1	1.26830276	myoLuc2	melGal1	1.27741685
nomLeu2	melGal1	1.22708658	nomLeu2	melGal1	1.23558057
ochPri2	melGal1	1.39984438	ochPri2	melGal1	1.41011443
oreNil2	melGal1	2.10154238	oreNil2	melGal1	2.10362156
ornAna1	melGal1	1.21923798	ornAna1	melGal1	1.22354793
oryCun2	melGal1	1.30851738	oryCun2	melGal1	1.31904443
oryLat2	melGal1	2.12381778	oryLat2	melGal1	2.12680962
otoGar3	melGal1	1.26459308	otoGar3	melGal1	1.27305937
oviAri1	melGal1	1.29208815	oviAri1	melGal1	1.30106344
panTro4	melGal1	1.22838854	panTro4	melGal1	1.23586569
papHam1	melGal1	1.23051318	papHam1	melGal1	1.23920607
ponAbe2	melGal1	1.22801067	ponAbe2	melGal1	1.23584887
proCap1	melGal1	1.29074669	proCap1	melGal1	1.30000135
pteVam1	melGal1	1.24517176	pteVam1	melGal1	1.25289285
rheMac3	melGal1	1.23067783	rheMac3	melGal1	1.23841063
rn5	melGal1	1.45391772	rn5	melGal1	1.46349552
saiBol1	melGal1	1.24198648	saiBol1	melGal1	1.24994897
sarHar1	melGal1	1.16683158	sarHar1	melGal1	1.18910923
sorAra1	melGal1	1.42669925	sorAra1	melGal1	1.43736828
speTri2	melGal1	1.26979128	speTri2	melGal1	1.27954943
susScr3	melGal1	1.25643848	susScr3	melGal1	1.26533213
taeGut1	melGal1	0.407668	taeGut1	melGal1	0.4099097
tarSyr1	melGal1	1.25076738	tarSyr1	melGal1	1.26030777
tetNig2	melGal1	2.25137238	tetNig2	melGal1	2.25312456
triMan1	melGal1	1.18760463	triMan1	melGal1	1.19626944
tupBel1	melGal1	1.27568228	tupBel1	melGal1	1.28482277
turTru2	melGal1	1.22242805	turTru2	melGal1	1.23091884
vicPac1	melGal1	1.24829965	vicPac1	melGal1	1.25749224
xenTro3	melGal1	1.63658098	xenTro3	melGal1	1.66313993
ailMel1	melUnd1	1.16579196	ailMel1	melUnd1	1.17076872

anoCar2	melUnd1	0.919038	anoCar2	melUnd1	0.924825
bosTau7	melUnd1	1.19821357	bosTau7	melUnd1	1.20630878
calJac3	melUnd1	1.156698	calJac3	melUnd1	1.16348741
canFam3	melUnd1	1.17785866	Clup	melUnd1	1.20020512
cavPor3	melUnd1	1.28351394	cavPor3	melUnd1	1.29352076
choHof1	melUnd1	1.11026415	choHof1	melUnd1	1.11652218
chrPic1	melUnd1	0.5583331	chrPic1	melUnd1	0.55712047
danRer7	melUnd1	2.0058119	danRer7	melUnd1	2.00843916
dasNov3	melUnd1	1.12488435	dasNov3	melUnd1	1.13214328
dipOrd1	melUnd1	1.28387694	dipOrd1	melUnd1	1.29264096
echTel1	melUnd1	1.30277985	echTel1	melUnd1	1.31002537
equCab2	melUnd1	1.12641846	equCab2	melUnd1	1.13292592
eriEur1	melUnd1	1.29680737	eriEur1	melUnd1	1.30428582
felCat5	melUnd1	1.15690626	felCat5	melUnd1	1.16322632
fr3	melUnd1	2.1407075	fr3	melUnd1	2.1419071
gadMor1	melUnd1	1.9846159	gadMor1	melUnd1	1.97054516
galGal4	melUnd1	0.32658788	galGal4	melUnd1	0.32685376
gasAcu1	melUnd1	1.9797166	gasAcu1	melUnd1	1.98363936
gorGor3	melUnd1	1.14134656	gorGor3	melUnd1	1.14854739
hetGla2	melUnd1	1.23837014	hetGla2	melUnd1	1.24739936
hg19	melUnd1	1.14199992	hg19	melUnd1	1.14796885
latCha1	melUnd1	1.2688139	latCha1	melUnd1	1.27271847
loxAfr3	melUnd1	1.12308581	loxAfr3	melUnd1	1.12985269
macEug2	melUnd1	1.0598067	macEug2	melUnd1	1.06480197
melGal1	melUnd1	0.34175488	melGal1	melUnd1	0.34267946
micMur1	melUnd1	1.142969	micMur1	melUnd1	1.14951481
mm10	melUnd1	1.36097724	mm10	melUnd1	1.36980586
monDom5	melUnd1	1.0585108	monDom5	melUnd1	1.06225157
myoLuc2	melUnd1	1.18209588	myoLuc2	melUnd1	1.19011339
nomLeu2	melUnd1	1.1408797	nomLeu2	melUnd1	1.14827711
ochPri2	melUnd1	1.3136375	ochPri2	melUnd1	1.32281097
oreNil2	melUnd1	2.0153355	oreNil2	melUnd1	2.0163181
ornAna1	melUnd1	1.1330311	ornAna1	melUnd1	1.13624447
oryCun2	melUnd1	1.2223105	oryCun2	melUnd1	1.23174097
oryLat2	melUnd1	2.0376109	oryLat2	melUnd1	2.03950616
otoGar3	melUnd1	1.1783862	otoGar3	melUnd1	1.18575591
oviAri1	melUnd1	1.20588127	oviAri1	melUnd1	1.21375998
panTro4	melUnd1	1.14218166	panTro4	melUnd1	1.14856223
papHam1	melUnd1	1.1443063	papHam1	melUnd1	1.15190261
ponAbe2	melUnd1	1.14180379	ponAbe2	melUnd1	1.14854541
proCap1	melUnd1	1.20453981	proCap1	melUnd1	1.21269789
pteVam1	melUnd1	1.15896488	pteVam1	melUnd1	1.16558939
rheMac3	melUnd1	1.14447095	rheMac3	melUnd1	1.15110717
rn5	melUnd1	1.36771084	rn5	melUnd1	1.37619206
saiBol1	melUnd1	1.1557796	saiBol1	melUnd1	1.16264551
sarHar1	melUnd1	1.0806247	sarHar1	melUnd1	1.10180577
sorAra1	melUnd1	1.34049237	sorAra1	melUnd1	1.35006482
speTri2	melUnd1	1.1835844	speTri2	melUnd1	1.19224597
susScr3	melUnd1	1.1702316	susScr3	melUnd1	1.17802867
taeGut1	melUnd1	0.33944888	taeGut1	melUnd1	0.34046976
tarSyr1	melUnd1	1.1645605	tarSyr1	melUnd1	1.17300431
tetNig2	melUnd1	2.1651655	tetNig2	melUnd1	2.1658211
triMan1	melUnd1	1.10139775	triMan1	melUnd1	1.10896598
tupBel1	melUnd1	1.1894754	tupBel1	melUnd1	1.19751931
turTru2	melUnd1	1.13622117	turTru2	melUnd1	1.14361538
vicPac1	melUnd1	1.16209277	vicPac1	melUnd1	1.17018878
xenTro3	melUnd1	1.5503741	xenTro3	melUnd1	1.57583647
ailMel1	micMur1	0.35881196	ailMel1	micMur1	0.35858919
anoCar2	micMur1	1.374303	anoCar2	micMur1	1.38007381
bosTau7	micMur1	0.39123357	bosTau7	micMur1	0.39412925
calJac3	micMur1	0.267662	calJac3	micMur1	0.269503
canFam3	micMur1	0.37087866	Clup	micMur1	0.38802559
cavPor3	micMur1	0.43360474	cavPor3	micMur1	0.43794923

choHof1	micMur1	0.34956355	choHof1	micMur1	0.35049985
chrPic1	micMur1	0.9879539	chrPic1	micMur1	0.99631834
danRer7	micMur1	2.1614107	danRer7	micMur1	2.17110703
dasNov3	micMur1	0.36418375	dasNov3	micMur1	0.36612095
dipOrd1	micMur1	0.43396774	dipOrd1	micMur1	0.43706943
echTel1	micMur1	0.54207925	echTel1	micMur1	0.54400304
equCab2	micMur1	0.31943846	equCab2	micMur1	0.32074639
eriEur1	micMur1	0.48982737	eriEur1	micMur1	0.49210629
felCat5	micMur1	0.34992626	felCat5	micMur1	0.35104679
fr3	micMur1	2.2963063	fr3	micMur1	2.30457497
gadMor1	micMur1	2.1402147	gadMor1	micMur1	2.13321303
galGal4	micMur1	1.21400888	galGal4	micMur1	1.22099257
gasAcu1	micMur1	2.1353154	gasAcu1	micMur1	2.14630723
gorGor3	micMur1	0.25231056	gorGor3	micMur1	0.25456298
hetGla2	micMur1	0.38846094	hetGla2	micMur1	0.39182783
hg19	micMur1	0.25296392	hg19	micMur1	0.25398444
latCha1	micMur1	1.4244127	latCha1	micMur1	1.43538634
loxAfr3	micMur1	0.36238521	loxAfr3	micMur1	0.36383036
macEug2	micMur1	0.7910401	macEug2	micMur1	0.79455564
melGal1	micMur1	1.22917588	melGal1	micMur1	1.23681827
melUnd1	micMur1	1.142969	melUnd1	micMur1	1.14951481
mm10	micMur1	0.51106804	mm10	micMur1	0.51423433
monDom5	micMur1	0.7897442	monDom5	micMur1	0.79200524
myoLuc2	micMur1	0.37511588	myoLuc2	micMur1	0.37793386
nomLeu2	micMur1	0.2518437	nomLeu2	micMur1	0.2542927
ochPri2	micMur1	0.4637283	ochPri2	micMur1	0.46723944
oreNil2	micMur1	2.1709343	oreNil2	micMur1	2.17898597
ornAna1	micMur1	1.0184379	ornAna1	micMur1	1.02337434
oryCun2	micMur1	0.3724013	oryCun2	micMur1	0.37616944
oryLat2	micMur1	2.1932097	oryLat2	micMur1	2.20217403
otoGar3	micMur1	0.2190448	otoGar3	micMur1	0.2209849
oviAri1	micMur1	0.39890127	oviAri1	micMur1	0.40158045
panTro4	micMur1	0.25314566	panTro4	micMur1	0.25457782
papHam1	micMur1	0.2552703	papHam1	micMur1	0.2579182
ponAbe2	micMur1	0.25276779	ponAbe2	micMur1	0.254561
proCap1	micMur1	0.44383921	proCap1	micMur1	0.44667556
pteVam1	micMur1	0.35198488	pteVam1	micMur1	0.35340986
rheMac3	micMur1	0.25543495	rheMac3	micMur1	0.25712276
rn5	micMur1	0.51780164	rn5	micMur1	0.52062053
saiBol1	micMur1	0.2667436	saiBol1	micMur1	0.2686611
sarHar1	micMur1	0.8118581	sarHar1	micMur1	0.83155944
sorAra1	micMur1	0.53351237	sorAra1	micMur1	0.53788529
speTri2	micMur1	0.3336752	speTri2	micMur1	0.33667444
susScr3	micMur1	0.3632516	susScr3	micMur1	0.36584914
taeGut1	micMur1	1.22686988	taeGut1	micMur1	1.23460857
tarSyr1	micMur1	0.2755245	tarSyr1	micMur1	0.2790199
tetNig2	micMur1	2.3207643	tetNig2	micMur1	2.32848897
triMan1	micMur1	0.34069715	triMan1	micMur1	0.34294365
tupBel1	micMur1	0.3310736	tupBel1	micMur1	0.3333755
turTru2	micMur1	0.32924117	turTru2	micMur1	0.33143585
vicPac1	micMur1	0.35511277	vicPac1	micMur1	0.35800925
xenTro3	micMur1	1.7059729	xenTro3	micMur1	1.73850434
ailMel1	mm10	0.5768202	ailMel1	mm10	0.57888024
anoCar2	mm10	1.59231124	anoCar2	mm10	1.60036486
bosTau7	mm10	0.60924181	bosTau7	mm10	0.6144203
calJac3	mm10	0.52479704	calJac3	mm10	0.52820693
canFam3	mm10	0.5888869	Clup	mm10	0.60831664
cavPor3	mm10	0.5500695	cavPor3	mm10	0.5549711
choHof1	mm10	0.56757179	choHof1	mm10	0.5707909
chrPic1	mm10	1.20596214	chrPic1	mm10	1.21660939
danRer7	mm10	2.37941894	danRer7	mm10	2.39139808
dasNov3	mm10	0.58219199	dasNov3	mm10	0.586412
dipOrd1	mm10	0.4987383	dipOrd1	mm10	0.5021409

echTel1	mm10	0.76008749	echTel1	mm10	0.76429409
equCab2	mm10	0.5374467	equCab2	mm10	0.54103744
eriEur1	mm10	0.70783561	eriEur1	mm10	0.71239734
felCat5	mm10	0.5679345	felCat5	mm10	0.57133784
fr3	mm10	2.51431454	fr3	mm10	2.52486602
gadMor1	mm10	2.35822294	gadMor1	mm10	2.35350408
galGal4	mm10	1.43201712	galGal4	mm10	1.44128362
gasAcu1	mm10	2.35332364	gasAcu1	mm10	2.36659828
gorGor3	mm10	0.5094456	gorGor3	mm10	0.51326691
hetGla2	mm10	0.5049257	hetGla2	mm10	0.5088497
hg19	mm10	0.51009896	hg19	mm10	0.51268837
latCha1	mm10	1.64242094	latCha1	mm10	1.65567739
loxAfr3	mm10	0.58039345	loxAfr3	mm10	0.58412141
macEug2	mm10	1.00904834	macEug2	mm10	1.01484669
melGal1	mm10	1.44718412	melGal1	mm10	1.45710932
melUnd1	mm10	1.36097724	melUnd1	mm10	1.36980586
micMur1	mm10	0.51106804	micMur1	mm10	0.51423433
monDom5	mm10	1.00775244	monDom5	mm10	1.01229629
myoLuc2	mm10	0.59312412	myoLuc2	mm10	0.59822491
nomLeu2	mm10	0.50897874	nomLeu2	mm10	0.51299663
ochPri2	mm10	0.65340574	ochPri2	mm10	0.65754489
oreNil2	mm10	2.38894254	oreNil2	mm10	2.39927702
ornAna1	mm10	1.23644614	ornAna1	mm10	1.24366539
oryCun2	mm10	0.56207874	oryCun2	mm10	0.56647489
oryLat2	mm10	2.41121794	oryLat2	mm10	2.42246508
otoGar3	mm10	0.54648524	otoGar3	mm10	0.55047543
oviAri1	mm10	0.61690951	oviAri1	mm10	0.6218715
panTro4	mm10	0.5102807	panTro4	mm10	0.51328175
papHam1	mm10	0.51240534	papHam1	mm10	0.51662213
ponAbe2	mm10	0.50990283	ponAbe2	mm10	0.51326493
proCap1	mm10	0.66184745	proCap1	mm10	0.66696661
pteVam1	mm10	0.56999312	pteVam1	mm10	0.57370091
rheMac3	mm10	0.51256999	rheMac3	mm10	0.51582669
rn5	mm10	0.1778102	rn5	mm10	0.176882
saiBol1	mm10	0.52387864	saiBol1	mm10	0.52736503
sarHar1	mm10	1.02986634	sarHar1	mm10	1.05185049
sorAra1	mm10	0.75152061	sorAra1	mm10	0.75817634
speTri2	mm10	0.46835884	speTri2	mm10	0.47139189
susScr3	mm10	0.58125984	susScr3	mm10	0.58614019
taeGut1	mm10	1.44487812	taeGut1	mm10	1.45489962
tarSyr1	mm10	0.53265954	tarSyr1	mm10	0.53772383
tetNig2	mm10	2.53877254	tetNig2	mm10	2.54878002
triMan1	mm10	0.55870539	triMan1	mm10	0.5632347
tupBel1	mm10	0.55757444	tupBel1	mm10	0.56223883
turTru2	mm10	0.54724941	turTru2	mm10	0.5517269
vicPac1	mm10	0.57312101	vicPac1	mm10	0.5783003
xenTro3	mm10	1.92398114	xenTro3	mm10	1.95879539
ailMel1	monDom5	0.81256716	ailMel1	monDom5	0.81325915
anoCar2	monDom5	1.2898448	anoCar2	monDom5	1.29281057
bosTau7	monDom5	0.84498877	bosTau7	monDom5	0.84879921
calJac3	monDom5	0.8034732	calJac3	monDom5	0.80597784
canFam3	monDom5	0.82463386	Clup	monDom5	0.84269555
cavPor3	monDom5	0.93028914	cavPor3	monDom5	0.93601119
choHof1	monDom5	0.75703935	choHof1	monDom5	0.75901261
chrPic1	monDom5	0.9034957	chrPic1	monDom5	0.9090551
danRer7	monDom5	2.0769525	danRer7	monDom5	2.08384379
dasNov3	monDom5	0.77165955	dasNov3	monDom5	0.77463371
dipOrd1	monDom5	0.93065214	dipOrd1	monDom5	0.93513139
echTel1	monDom5	0.94955505	echTel1	monDom5	0.9525158
equCab2	monDom5	0.77319366	equCab2	monDom5	0.77541635
eriEur1	monDom5	0.94358257	eriEur1	monDom5	0.94677625
felCat5	monDom5	0.80368146	felCat5	monDom5	0.80571675
fr3	monDom5	2.2118481	fr3	monDom5	2.21731173

gadMor1	monDom5	2.0557565	gadMor1	monDom5	2.04594979
galGal4	monDom5	1.12955068	galGal4	monDom5	1.13372933
gasAcu1	monDom5	2.0508572	gasAcu1	monDom5	2.05904399
gorGor3	monDom5	0.78812176	gorGor3	monDom5	0.79103782
hetGla2	monDom5	0.88514534	hetGla2	monDom5	0.88988979
hg19	monDom5	0.78877512	hg19	monDom5	0.79045928
latCha1	monDom5	1.3399545	latCha1	monDom5	1.3481231
loxAfr3	monDom5	0.76986101	loxAfr3	monDom5	0.77234312
macEug2	monDom5	0.2811219	macEug2	monDom5	0.2772064
melGal1	monDom5	1.14471768	melGal1	monDom5	1.14955503
melUnd1	monDom5	1.0585108	melUnd1	monDom5	1.06225157
micMur1	monDom5	0.7897442	micMur1	monDom5	0.79200524
mm10	monDom5	1.00775244	mm10	monDom5	1.01229629
myoLuc2	monDom5	0.82887108	myoLuc2	monDom5	0.83260382
nomLeu2	monDom5	0.7876549	nomLeu2	monDom5	0.79076754
ochPri2	monDom5	0.9604127	ochPri2	monDom5	0.9653014
oreNil2	monDom5	2.0864761	oreNil2	monDom5	2.09172273
ornAna1	monDom5	0.9339797	ornAna1	monDom5	0.9361111
oryCun2	monDom5	0.8690857	oryCun2	monDom5	0.8742314
oryLat2	monDom5	2.1087515	oryLat2	monDom5	2.11491079
otoGar3	monDom5	0.8251614	otoGar3	monDom5	0.82824634
oviAri1	monDom5	0.85265647	oviAri1	monDom5	0.85625041
panTro4	monDom5	0.78895686	panTro4	monDom5	0.79105266
papHam1	monDom5	0.7910815	papHam1	monDom5	0.79439304
ponAbe2	monDom5	0.78857899	ponAbe2	monDom5	0.79103584
proCap1	monDom5	0.85131501	proCap1	monDom5	0.85518832
pteVam1	monDom5	0.80574008	pteVam1	monDom5	0.80807982
rheMac3	monDom5	0.79124615	rheMac3	monDom5	0.7935976
rn5	monDom5	1.01448604	rn5	monDom5	1.01868249
saiBol1	monDom5	0.8025548	saiBol1	monDom5	0.80513594
sarHar1	monDom5	0.3019399	sarHar1	monDom5	0.3142102
sorAra1	monDom5	0.98726757	sorAra1	monDom5	0.99255525
speTri2	monDom5	0.8303596	speTri2	monDom5	0.8347364
susScr3	monDom5	0.8170068	susScr3	monDom5	0.8205191
taeGut1	monDom5	1.14241168	taeGut1	monDom5	1.14734533
tarSyr1	monDom5	0.8113357	tarSyr1	monDom5	0.81549474
tetNig2	monDom5	2.2363061	tetNig2	monDom5	2.24122573
triMan1	monDom5	0.74817295	triMan1	monDom5	0.75145641
tupBel1	monDom5	0.8362506	tupBel1	monDom5	0.84000974
turTru2	monDom5	0.78299637	turTru2	monDom5	0.78610581
vicPac1	monDom5	0.80886797	vicPac1	monDom5	0.81267921
xenTro3	monDom5	1.6215147	xenTro3	monDom5	1.6512411
ailMel1	myoLuc2	0.32590488	ailMel1	myoLuc2	0.32784213
anoCar2	myoLuc2	1.41342988	anoCar2	myoLuc2	1.42067239
bosTau7	myoLuc2	0.37207985	bosTau7	myoLuc2	0.37593383
calJac3	myoLuc2	0.38884488	calJac3	myoLuc2	0.39190646
canFam3	myoLuc2	0.33797158	Clup	myoLuc2	0.35727853
cavPor3	myoLuc2	0.51566082	cavPor3	myoLuc2	0.52193981
choHof1	myoLuc2	0.38869043	choHof1	myoLuc2	0.39109843
chrPic1	myoLuc2	1.02708078	chrPic1	myoLuc2	1.03691692
danRer7	myoLuc2	2.20053758	danRer7	myoLuc2	2.21170561
dasNov3	myoLuc2	0.40331063	dasNov3	myoLuc2	0.40671953
dipOrd1	myoLuc2	0.51602382	dipOrd1	myoLuc2	0.52106001
echTel1	myoLuc2	0.58120613	echTel1	myoLuc2	0.58460162
equCab2	myoLuc2	0.28653138	equCab2	myoLuc2	0.28999933
eriEur1	myoLuc2	0.46482031	eriEur1	myoLuc2	0.47034897
felCat5	myoLuc2	0.31701918	felCat5	myoLuc2	0.32029973
fr3	myoLuc2	2.33543318	fr3	myoLuc2	2.34517355
gadMor1	myoLuc2	2.17934158	gadMor1	myoLuc2	2.17381161
galGal4	myoLuc2	1.25313576	galGal4	myoLuc2	1.26159115
gasAcu1	myoLuc2	2.17444228	gasAcu1	myoLuc2	2.18690581
gorGor3	myoLuc2	0.37349344	gorGor3	myoLuc2	0.37696644
hetGla2	myoLuc2	0.47051702	hetGla2	myoLuc2	0.47581841

hg19	myoLuc2	0.3741468	hg19	myoLuc2	0.3763879
latCha1	myoLuc2	1.46353958	latCha1	myoLuc2	1.47598492
loxAfr3	myoLuc2	0.40151209	loxAfr3	myoLuc2	0.40442894
macEug2	myoLuc2	0.83016698	macEug2	myoLuc2	0.83515422
melGal1	myoLuc2	1.26830276	melGal1	myoLuc2	1.27741685
melUnd1	myoLuc2	1.18209588	melUnd1	myoLuc2	1.19011339
micMur1	myoLuc2	0.37511588	micMur1	myoLuc2	0.37793386
mm10	myoLuc2	0.59312412	mm10	myoLuc2	0.59822491
monDom5	myoLuc2	0.82887108	monDom5	myoLuc2	0.83260382
nomLeu2	myoLuc2	0.37302658	nomLeu2	myoLuc2	0.37669616
ochPri2	myoLuc2	0.54578438	ochPri2	myoLuc2	0.55123002
oreNil2	myoLuc2	2.21006118	oreNil2	myoLuc2	2.21958455
ornAna1	myoLuc2	1.05756478	ornAna1	myoLuc2	1.06397292
oryCun2	myoLuc2	0.45445738	oryCun2	myoLuc2	0.46016002
oryLat2	myoLuc2	2.23233658	oryLat2	myoLuc2	2.24277261
otoGar3	myoLuc2	0.41053308	otoGar3	myoLuc2	0.41417496
oviAri1	myoLuc2	0.37974755	oviAri1	myoLuc2	0.38338503
panTro4	myoLuc2	0.37432854	panTro4	myoLuc2	0.37698128
papHam1	myoLuc2	0.37645318	papHam1	myoLuc2	0.38032166
ponAbe2	myoLuc2	0.37395067	ponAbe2	myoLuc2	0.37696446
proCap1	myoLuc2	0.48296609	proCap1	myoLuc2	0.48727414
pteVam1	myoLuc2	0.251157	pteVam1	myoLuc2	0.25313
rheMac3	myoLuc2	0.37661783	rheMac3	myoLuc2	0.37952622
rn5	myoLuc2	0.59985772	rn5	myoLuc2	0.60461111
saiBol1	myoLuc2	0.38792648	saiBol1	myoLuc2	0.39106456
sarHar1	myoLuc2	0.85098498	sarHar1	myoLuc2	0.87215802
sorAra1	myoLuc2	0.50850531	sorAra1	myoLuc2	0.51612797
speTri2	myoLuc2	0.41573128	speTri2	myoLuc2	0.42066502
susScr3	myoLuc2	0.34409788	susScr3	myoLuc2	0.34765372
taeGut1	myoLuc2	1.26599676	taeGut1	myoLuc2	1.27520715
tarSyr1	myoLuc2	0.39670738	tarSyr1	myoLuc2	0.40142336
tetNig2	myoLuc2	2.35989118	tetNig2	myoLuc2	2.36908755
triMan1	myoLuc2	0.37982403	triMan1	myoLuc2	0.38354223
tupBel1	myoLuc2	0.42162228	tupBel1	myoLuc2	0.42593836
turTru2	myoLuc2	0.31008745	turTru2	myoLuc2	0.31324043
vicPac1	myoLuc2	0.33595905	vicPac1	myoLuc2	0.33981383
xenTro3	myoLuc2	1.74509978	xenTro3	myoLuc2	1.77910292
ailMel1	nomLeu2	0.35672266	ailMel1	nomLeu2	0.35735149
anoCar2	nomLeu2	1.3722137	anoCar2	nomLeu2	1.37883611
bosTau7	nomLeu2	0.38914427	bosTau7	nomLeu2	0.39289155
calJac3	nomLeu2	0.1244969	calJac3	nomLeu2	0.1257805
canFam3	nomLeu2	0.36878936	Clup	nomLeu2	0.38678789
cavPor3	nomLeu2	0.43151544	cavPor3	nomLeu2	0.43671153
choHof1	nomLeu2	0.34747425	choHof1	nomLeu2	0.34926215
chrPic1	nomLeu2	0.9858646	chrPic1	nomLeu2	0.99508064
danRer7	nomLeu2	2.1593214	danRer7	nomLeu2	2.16986933
dasNov3	nomLeu2	0.36209445	dasNov3	nomLeu2	0.36488325
dipOrd1	nomLeu2	0.43187844	dipOrd1	nomLeu2	0.43583173
echTel1	nomLeu2	0.53998995	echTel1	nomLeu2	0.54276534
equCab2	nomLeu2	0.31734916	equCab2	nomLeu2	0.31950869
eriEur1	nomLeu2	0.48773807	eriEur1	nomLeu2	0.49086859
felCat5	nomLeu2	0.34783696	felCat5	nomLeu2	0.34980909
fr3	nomLeu2	2.294217	fr3	nomLeu2	2.30333727
gadMor1	nomLeu2	2.1381254	gadMor1	nomLeu2	2.13197533
galGal4	nomLeu2	1.21191958	galGal4	nomLeu2	1.21975487
gasAcu1	nomLeu2	2.1332261	gasAcu1	nomLeu2	2.14506953
gorGor3	nomLeu2	0.04410826	gorGor3	nomLeu2	0.04461388
hetGla2	nomLeu2	0.38637164	hetGla2	nomLeu2	0.39059013
hg19	nomLeu2	0.04476162	hg19	nomLeu2	0.04403534
latCha1	nomLeu2	1.4223234	latCha1	nomLeu2	1.43414864
loxAfr3	nomLeu2	0.36029591	loxAfr3	nomLeu2	0.36259266
macEug2	nomLeu2	0.7889508	macEug2	nomLeu2	0.79331794
melGal1	nomLeu2	1.22708658	melGal1	nomLeu2	1.23558057

melUnd1	nomLeu2	1.1408797	melUnd1	nomLeu2	1.14827711
micMur1	nomLeu2	0.2518437	micMur1	nomLeu2	0.2542927
mm10	nomLeu2	0.50897874	mm10	nomLeu2	0.51299663
monDom5	nomLeu2	0.7876549	monDom5	nomLeu2	0.79076754
myoLuc2	nomLeu2	0.37302658	myoLuc2	nomLeu2	0.37669616
ochPri2	nomLeu2	0.461639	ochPri2	nomLeu2	0.46600174
oreNil2	nomLeu2	2.168845	oreNil2	nomLeu2	2.17774827
ornAna1	nomLeu2	1.0163486	ornAna1	nomLeu2	1.02213664
oryCun2	nomLeu2	0.370312	oryCun2	nomLeu2	0.37493174
oryLat2	nomLeu2	2.1911204	oryLat2	nomLeu2	2.20093633
otoGar3	nomLeu2	0.2872609	otoGar3	nomLeu2	0.2905338
oviAri1	nomLeu2	0.39681197	oviAri1	nomLeu2	0.40034275
panTro4	nomLeu2	0.04494336	panTro4	nomLeu2	0.04462872
papHam1	nomLeu2	0.0704376	papHam1	nomLeu2	0.0717009
ponAbe2	nomLeu2	0.04456549	ponAbe2	nomLeu2	0.0446119
proCap1	nomLeu2	0.44174991	proCap1	nomLeu2	0.44543786
pteVam1	nomLeu2	0.34989558	pteVam1	nomLeu2	0.35217216
rheMac3	nomLeu2	0.07060225	rheMac3	nomLeu2	0.07090546
rn5	nomLeu2	0.51571234	rn5	nomLeu2	0.51938283
saiBol1	nomLeu2	0.1235785	saiBol1	nomLeu2	0.1249386
sarHar1	nomLeu2	0.8097688	sarHar1	nomLeu2	0.83032174
sorAra1	nomLeu2	0.53142307	sorAra1	nomLeu2	0.53664759
speTri2	nomLeu2	0.3315859	speTri2	nomLeu2	0.33543674
susScr3	nomLeu2	0.3611623	susScr3	nomLeu2	0.36461144
taeGut1	nomLeu2	1.22478058	taeGut1	nomLeu2	1.23337087
tarSyr1	nomLeu2	0.2512532	tarSyr1	nomLeu2	0.2545968
tetNig2	nomLeu2	2.318675	tetNig2	nomLeu2	2.32725127
triMan1	nomLeu2	0.33860785	triMan1	nomLeu2	0.34170595
tupBel1	nomLeu2	0.3289843	tupBel1	nomLeu2	0.3321378
turTru2	nomLeu2	0.32715187	turTru2	nomLeu2	0.33019815
vicPac1	nomLeu2	0.35302347	vicPac1	nomLeu2	0.35677155
xenTro3	nomLeu2	1.7038836	xenTro3	nomLeu2	1.73726664
ailMel1	ochPri2	0.52948046	ailMel1	ochPri2	0.53188535
anoCar2	ochPri2	1.5449715	anoCar2	ochPri2	1.55336997
bosTau7	ochPri2	0.56190207	bosTau7	ochPri2	0.56742541
calJac3	ochPri2	0.4774573	calJac3	ochPri2	0.48121204
canFam3	ochPri2	0.54154716	Clup	ochPri2	0.56132175
cavPor3	ochPri2	0.57594244	cavPor3	ochPri2	0.58125979
choHof1	ochPri2	0.52023205	choHof1	ochPri2	0.52379601
chrPic1	ochPri2	1.1586224	chrPic1	ochPri2	1.1696145
danRer7	ochPri2	2.3320792	danRer7	ochPri2	2.34440319
dasNov3	ochPri2	0.53485225	dasNov3	ochPri2	0.53941711
dipOrd1	ochPri2	0.57630544	dipOrd1	ochPri2	0.58037999
echTel1	ochPri2	0.71274775	echTel1	ochPri2	0.7172992
equCab2	ochPri2	0.49010696	equCab2	ochPri2	0.49404255
eriEur1	ochPri2	0.66049587	eriEur1	ochPri2	0.66540245
felCat5	ochPri2	0.52059476	felCat5	ochPri2	0.52434295
fr3	ochPri2	2.4669748	fr3	ochPri2	2.47787113
gadMor1	ochPri2	2.3108832	gadMor1	ochPri2	2.30650919
galGal4	ochPri2	1.38467738	galGal4	ochPri2	1.39428873
gasAcu1	ochPri2	2.3059839	gasAcu1	ochPri2	2.31960339
gorGor3	ochPri2	0.46210586	gorGor3	ochPri2	0.46627202
hetGla2	ochPri2	0.53079864	hetGla2	ochPri2	0.53513839
hg19	ochPri2	0.46275922	hg19	ochPri2	0.46569348
latCha1	ochPri2	1.5950812	latCha1	ochPri2	1.6086825
loxAfr3	ochPri2	0.53305371	loxAfr3	ochPri2	0.53712652
macEug2	ochPri2	0.9617086	macEug2	ochPri2	0.9678518
melGal1	ochPri2	1.39984438	melGal1	ochPri2	1.41011443
melUnd1	ochPri2	1.3136375	melUnd1	ochPri2	1.32281097
micMur1	ochPri2	0.4637283	micMur1	ochPri2	0.46723944
mm10	ochPri2	0.65340574	mm10	ochPri2	0.65754489
monDom5	ochPri2	0.9604127	monDom5	ochPri2	0.9653014
myoLuc2	ochPri2	0.54578438	myoLuc2	ochPri2	0.55123002

nomLeu2	ochPri2	0.461639	nomLeu2	ochPri2	0.46600174
oreNil2	ochPri2	2.3416028	oreNil2	ochPri2	2.35228213
ornAna1	ochPri2	1.1891064	ornAna1	ochPri2	1.1966705
oryCun2	ochPri2	0.310605	oryCun2	ochPri2	0.312846
oryLat2	ochPri2	2.3638782	oryLat2	ochPri2	2.37547019
otoGar3	ochPri2	0.4991455	otoGar3	ochPri2	0.50348054
oviAri1	ochPri2	0.56956977	oviAri1	ochPri2	0.57487661
panTro4	ochPri2	0.46294096	panTro4	ochPri2	0.46628686
papHam1	ochPri2	0.4650656	papHam1	ochPri2	0.46962724
ponAbe2	ochPri2	0.46256309	ponAbe2	ochPri2	0.46627004
proCap1	ochPri2	0.61450771	proCap1	ochPri2	0.61997172
pteVam1	ochPri2	0.52265338	pteVam1	ochPri2	0.52670602
rheMac3	ochPri2	0.46523025	rheMac3	ochPri2	0.4688318
rn5	ochPri2	0.66013934	rn5	ochPri2	0.66393109
saiBol1	ochPri2	0.4765389	saiBol1	ochPri2	0.48037014
sarHar1	ochPri2	0.9825266	sarHar1	ochPri2	1.0048556
sorAra1	ochPri2	0.70418087	sorAra1	ochPri2	0.71118145
speTri2	ochPri2	0.4760129	speTri2	ochPri2	0.479985
susScr3	ochPri2	0.5339201	susScr3	ochPri2	0.5391453
taeGut1	ochPri2	1.39753838	taeGut1	ochPri2	1.40790473
tarSyr1	ochPri2	0.4853198	tarSyr1	ochPri2	0.49072894
tetNig2	ochPri2	2.4914328	tetNig2	ochPri2	2.50178513
triMan1	ochPri2	0.51136565	triMan1	ochPri2	0.51623981
tupBel1	ochPri2	0.5102347	tupBel1	ochPri2	0.51524394
turTru2	ochPri2	0.49990967	turTru2	ochPri2	0.50473201
vicPac1	ochPri2	0.52578127	vicPac1	ochPri2	0.53130541
xenTro3	ochPri2	1.8766414	xenTro3	ochPri2	1.9118005
ailMel1	oreNil2	2.19375726	ailMel1	oreNil2	2.20023988
anoCar2	oreNil2	2.2466695	anoCar2	oreNil2	2.2468771
bosTau7	oreNil2	2.22617887	bosTau7	oreNil2	2.23577994
calJac3	oreNil2	2.1846633	calJac3	oreNil2	2.19295857
canFam3	oreNil2	2.20582396	Clup	oreNil2	2.22967628
cavPor3	oreNil2	2.31147924	cavPor3	oreNil2	2.32299192
choHof1	oreNil2	2.13822945	choHof1	oreNil2	2.14599334
chrPic1	oreNil2	1.8603204	chrPic1	oreNil2	1.86312163
danRer7	oreNil2	1.5161756	danRer7	oreNil2	1.54898494
dasNov3	oreNil2	2.15284965	dasNov3	oreNil2	2.16161444
dipOrd1	oreNil2	2.31184224	dipOrd1	oreNil2	2.32211212
echTel1	oreNil2	2.33074515	echTel1	oreNil2	2.33949653
equCab2	oreNil2	2.15438376	equCab2	oreNil2	2.16239708
eriEur1	oreNil2	2.32477267	eriEur1	oreNil2	2.33375698
felCat5	oreNil2	2.18487156	felCat5	oreNil2	2.19269748
fr3	oreNil2	0.798352	fr3	oreNil2	0.807805
gadMor1	oreNil2	1.1562756	gadMor1	oreNil2	1.16257494
galGal4	oreNil2	2.08637538	galGal4	oreNil2	2.08779586
gasAcu1	oreNil2	0.6653009	gasAcu1	oreNil2	0.66621874
gorGor3	oreNil2	2.16931186	gorGor3	oreNil2	2.17801855
hetGla2	oreNil2	2.26633544	hetGla2	oreNil2	2.27687052
hg19	oreNil2	2.16996522	hg19	oreNil2	2.17744001
latCha1	oreNil2	1.9404336	latCha1	oreNil2	2.00489963
loxAfr3	oreNil2	2.15105111	loxAfr3	oreNil2	2.15932385
macEug2	oreNil2	2.087772	macEug2	oreNil2	2.09427313
melGal1	oreNil2	2.10154238	melGal1	oreNil2	2.10362156
melUnd1	oreNil2	2.0153355	melUnd1	oreNil2	2.0163181
micMur1	oreNil2	2.1709343	micMur1	oreNil2	2.17898597
mm10	oreNil2	2.38894254	mm10	oreNil2	2.39927702
monDom5	oreNil2	2.0864761	monDom5	oreNil2	2.09172273
myoLuc2	oreNil2	2.21006118	myoLuc2	oreNil2	2.21958455
nomLeu2	oreNil2	2.168845	nomLeu2	oreNil2	2.17774827
ochPri2	oreNil2	2.3416028	ochPri2	oreNil2	2.35228213
ornAna1	oreNil2	2.1609964	ornAna1	oreNil2	2.16571563
oryCun2	oreNil2	2.2502758	oryCun2	oreNil2	2.26121213
oryLat2	oreNil2	0.8379346	oryLat2	oreNil2	0.83958994

otoGar3	oreNil2	2.2063515	otoGar3	oreNil2	2.21522707
oviAri1	oreNil2	2.23384657	oviAri1	oreNil2	2.24323114
panTro4	oreNil2	2.17014696	panTro4	oreNil2	2.17803339
papHam1	oreNil2	2.1722716	papHam1	oreNil2	2.18137377
ponAbe2	oreNil2	2.16976909	ponAbe2	oreNil2	2.17801657
proCap1	oreNil2	2.23250511	proCap1	oreNil2	2.24216905
pteVam1	oreNil2	2.18693018	pteVam1	oreNil2	2.19506055
rheMac3	oreNil2	2.17243625	rheMac3	oreNil2	2.18057833
rn5	oreNil2	2.39567614	rn5	oreNil2	2.40566322
saiBol1	oreNil2	2.1837449	saiBol1	oreNil2	2.19211667
sarHar1	oreNil2	2.10859	sarHar1	oreNil2	2.13127693
sorAra1	oreNil2	2.36845767	sorAra1	oreNil2	2.37953598
speTri2	oreNil2	2.2115497	speTri2	oreNil2	2.22171713
susScr3	oreNil2	2.1981969	susScr3	oreNil2	2.20749983
taeGut1	oreNil2	2.09923638	taeGut1	oreNil2	2.10141186
tarSyr1	oreNil2	2.1925258	tarSyr1	oreNil2	2.20247547
tetNig2	oreNil2	0.82281	tetNig2	oreNil2	0.831719
triMan1	oreNil2	2.12936305	triMan1	oreNil2	2.13843714
tupBel1	oreNil2	2.2174407	tupBel1	oreNil2	2.22699047
turTru2	oreNil2	2.16418647	turTru2	oreNil2	2.17308654
vicPac1	oreNil2	2.19005807	vicPac1	oreNil2	2.19965994
xenTro3	oreNil2	2.3512854	xenTro3	oreNil2	2.33108563
ailMel1	ornAna1	1.04126086	ailMel1	ornAna1	1.04462825
anoCar2	ornAna1	1.3643651	anoCar2	ornAna1	1.36680347
bosTau7	ornAna1	1.07368247	bosTau7	ornAna1	1.08016831
calJac3	ornAna1	1.0321669	calJac3	ornAna1	1.03734694
canFam3	ornAna1	1.05332756	Clup	ornAna1	1.07406465
cavPor3	ornAna1	1.15898284	cavPor3	ornAna1	1.16738029
choHof1	ornAna1	0.98573305	choHof1	ornAna1	0.99038171
chrPic1	ornAna1	0.978016	chrPic1	ornAna1	0.983048
danRer7	ornAna1	2.1514728	danRer7	ornAna1	2.15783669
dasNov3	ornAna1	1.00035325	dasNov3	ornAna1	1.00600281
dipOrd1	ornAna1	1.15934584	dipOrd1	ornAna1	1.16650049
echTel1	ornAna1	1.17824875	echTel1	ornAna1	1.1838849
equCab2	ornAna1	1.00188736	equCab2	ornAna1	1.00678545
eriEur1	ornAna1	1.17227627	eriEur1	ornAna1	1.17814535
felCat5	ornAna1	1.03237516	felCat5	ornAna1	1.03708585
fr3	ornAna1	2.2863684	fr3	ornAna1	2.29130463
gadMor1	ornAna1	2.1302768	gadMor1	ornAna1	2.11994269
galGal4	ornAna1	1.20407098	galGal4	ornAna1	1.20772223
gasAcu1	ornAna1	2.1253775	gasAcu1	ornAna1	2.13303689
gorGor3	ornAna1	1.01681546	gorGor3	ornAna1	1.02240692
hetGla2	ornAna1	1.11383904	hetGla2	ornAna1	1.12125889
hg19	ornAna1	1.01746882	hg19	ornAna1	1.02182838
latCha1	ornAna1	1.4144748	latCha1	ornAna1	1.422116
loxAfr3	ornAna1	0.99855471	loxAfr3	ornAna1	1.00371222
macEug2	ornAna1	0.9352756	macEug2	ornAna1	0.9386615
melGal1	ornAna1	1.21923798	melGal1	ornAna1	1.22354793
melUnd1	ornAna1	1.1330311	melUnd1	ornAna1	1.13624447
micMur1	ornAna1	1.0184379	micMur1	ornAna1	1.02337434
mm10	ornAna1	1.23644614	mm10	ornAna1	1.24366539
monDom5	ornAna1	0.9339797	monDom5	ornAna1	0.9361111
myoLuc2	ornAna1	1.05756478	myoLuc2	ornAna1	1.06397292
nomLeu2	ornAna1	1.0163486	nomLeu2	ornAna1	1.02213664
ochPri2	ornAna1	1.1891064	ochPri2	ornAna1	1.1966705
oreNil2	ornAna1	2.1609964	oreNil2	ornAna1	2.16571563
oryCun2	ornAna1	1.0977794	oryCun2	ornAna1	1.1056005
oryLat2	ornAna1	2.1832718	oryLat2	ornAna1	2.18890369
otoGar3	ornAna1	1.0538551	otoGar3	ornAna1	1.05961544
oviAri1	ornAna1	1.08135017	oviAri1	ornAna1	1.08761951
panTro4	ornAna1	1.01765056	panTro4	ornAna1	1.02242176
papHam1	ornAna1	1.0197752	papHam1	ornAna1	1.02576214
ponAbe2	ornAna1	1.01727269	ponAbe2	ornAna1	1.02240494

proCap1	ornAna1	1.08000871	proCap1	ornAna1	1.08655742
pteVam1	ornAna1	1.03443378	pteVam1	ornAna1	1.03944892
rheMac3	ornAna1	1.01993985	rheMac3	ornAna1	1.0249667
rn5	ornAna1	1.24317974	rn5	ornAna1	1.25005159
saiBol1	ornAna1	1.0312485	saiBol1	ornAna1	1.03650504
sarHar1	ornAna1	0.9560936	sarHar1	ornAna1	0.9756653
sorAra1	ornAna1	1.21596127	sorAra1	ornAna1	1.22392435
speTri2	ornAna1	1.0590533	speTri2	ornAna1	1.0661055
susScr3	ornAna1	1.0457005	susScr3	ornAna1	1.0518882
taeGut1	ornAna1	1.21693198	taeGut1	ornAna1	1.22133823
tarSyr1	ornAna1	1.0400294	tarSyr1	ornAna1	1.04686384
tetNig2	ornAna1	2.3108264	tetNig2	ornAna1	2.31521863
triMan1	ornAna1	0.97686665	triMan1	ornAna1	0.98282551
tupBel1	ornAna1	1.0649443	tupBel1	ornAna1	1.07137884
turTru2	ornAna1	1.01169007	turTru2	ornAna1	1.01747491
vicPac1	ornAna1	1.03756167	vicPac1	ornAna1	1.04404831
xenTro3	ornAna1	1.696035	xenTro3	ornAna1	1.725234
ailMel1	oryCun2	0.43815346	ailMel1	oryCun2	0.44081535
anoCar2	oryCun2	1.4536445	anoCar2	oryCun2	1.46229997
bosTau7	oryCun2	0.47057507	bosTau7	oryCun2	0.47635541
calJac3	oryCun2	0.3861303	calJac3	oryCun2	0.39014204
canFam3	oryCun2	0.45022016	Clup	oryCun2	0.47025175
cavPor3	oryCun2	0.48461544	cavPor3	oryCun2	0.49018979
choHof1	oryCun2	0.42890505	choHof1	oryCun2	0.43272601
chrPic1	oryCun2	1.0672954	chrPic1	oryCun2	1.0785445
danRer7	oryCun2	2.2407522	danRer7	oryCun2	2.25333319
dasNov3	oryCun2	0.44352525	dasNov3	oryCun2	0.44834711
dipOrd1	oryCun2	0.48497844	dipOrd1	oryCun2	0.48930999
echTel1	oryCun2	0.62142075	echTel1	oryCun2	0.6262292
equCab2	oryCun2	0.39877996	equCab2	oryCun2	0.40297255
eriEur1	oryCun2	0.56916887	eriEur1	oryCun2	0.57433245
felCat5	oryCun2	0.42926776	felCat5	oryCun2	0.43327295
fr3	oryCun2	2.3756478	fr3	oryCun2	2.38680113
gadMor1	oryCun2	2.2195562	gadMor1	oryCun2	2.21543919
galGal4	oryCun2	1.29335038	galGal4	oryCun2	1.30321873
gasAcu1	oryCun2	2.2146569	gasAcu1	oryCun2	2.22853339
gorGor3	oryCun2	0.37077886	gorGor3	oryCun2	0.37520202
hetGla2	oryCun2	0.43947164	hetGla2	oryCun2	0.44406839
hg19	oryCun2	0.37143222	hg19	oryCun2	0.37462348
latCha1	oryCun2	1.5037542	latCha1	oryCun2	1.5176125
loxAfr3	oryCun2	0.44172671	loxAfr3	oryCun2	0.44605652
macEug2	oryCun2	0.8703816	macEug2	oryCun2	0.8767818
melGal1	oryCun2	1.30851738	melGal1	oryCun2	1.31904443
melUnd1	oryCun2	1.2223105	melUnd1	oryCun2	1.23174097
micMur1	oryCun2	0.3724013	micMur1	oryCun2	0.37616944
mm10	oryCun2	0.56207874	mm10	oryCun2	0.56647489
monDom5	oryCun2	0.8690857	monDom5	oryCun2	0.8742314
myoLuc2	oryCun2	0.45445738	myoLuc2	oryCun2	0.46016002
nomLeu2	oryCun2	0.370312	nomLeu2	oryCun2	0.37493174
ochPri2	oryCun2	0.310605	ochPri2	oryCun2	0.312846
oreNil2	oryCun2	2.2502758	oreNil2	oryCun2	2.26121213
ornAna1	oryCun2	1.0977794	ornAna1	oryCun2	1.1056005
oryLat2	oryCun2	2.2725512	oryLat2	oryCun2	2.28440019
otoGar3	oryCun2	0.4078185	otoGar3	oryCun2	0.41241054
oviAri1	oryCun2	0.47824277	oviAri1	oryCun2	0.48380661
panTro4	oryCun2	0.37161396	panTro4	oryCun2	0.37521686
papHam1	oryCun2	0.3737386	papHam1	oryCun2	0.37855724
ponAbe2	oryCun2	0.37123609	ponAbe2	oryCun2	0.37520004
proCap1	oryCun2	0.52318071	proCap1	oryCun2	0.52890172
pteVam1	oryCun2	0.43132638	pteVam1	oryCun2	0.43563602
rheMac3	oryCun2	0.37390325	rheMac3	oryCun2	0.3777618
rn5	oryCun2	0.56881234	rn5	oryCun2	0.57286109
saiBol1	oryCun2	0.3852119	saiBol1	oryCun2	0.38930014

sarHar1	oryCun2	0.8911996	sarHar1	oryCun2	0.9137856
sorAra1	oryCun2	0.61285387	sorAra1	oryCun2	0.62011145
speTri2	oryCun2	0.3846859	speTri2	oryCun2	0.388915
susScr3	oryCun2	0.4425931	susScr3	oryCun2	0.4480753
taeGut1	oryCun2	1.30621138	taeGut1	oryCun2	1.31683473
tarSyr1	oryCun2	0.3939928	tarSyr1	oryCun2	0.39965894
tetNig2	oryCun2	2.4001058	tetNig2	oryCun2	2.41071513
triMan1	oryCun2	0.42003865	triMan1	oryCun2	0.42516981
tupBel1	oryCun2	0.4189077	tupBel1	oryCun2	0.42417394
turTru2	oryCun2	0.40858267	turTru2	oryCun2	0.41366201
vicPac1	oryCun2	0.43445427	vicPac1	oryCun2	0.44023541
xenTro3	oryCun2	1.7853144	xenTro3	oryCun2	1.8207305
ailMel1	oryLat2	2.21603266	ailMel1	oryLat2	2.22342794
anoCar2	oryLat2	2.2689449	anoCar2	oryLat2	2.27006516
bosTau7	oryLat2	2.24845427	bosTau7	oryLat2	2.258968
calJac3	oryLat2	2.2069387	calJac3	oryLat2	2.21614663
canFam3	oryLat2	2.22809936	Clup	oryLat2	2.25286434
cavPor3	oryLat2	2.33375464	cavPor3	oryLat2	2.34617998
choHof1	oryLat2	2.16050485	choHof1	oryLat2	2.1691814
chrPic1	oryLat2	1.8825958	chrPic1	oryLat2	1.88630969
danRer7	oryLat2	1.538451	danRer7	oryLat2	1.572173
dasNov3	oryLat2	2.17512505	dasNov3	oryLat2	2.1848025
dipOrd1	oryLat2	2.33411764	dipOrd1	oryLat2	2.34530018
echTel1	oryLat2	2.35302055	echTel1	oryLat2	2.36268459
equCab2	oryLat2	2.17665916	equCab2	oryLat2	2.18558514
eriEur1	oryLat2	2.34704807	eriEur1	oryLat2	2.35694504
felCat5	oryLat2	2.20714696	felCat5	oryLat2	2.21588554
fr3	oryLat2	0.9633066	fr3	oryLat2	0.96517894
gadMor1	oryLat2	1.178551	gadMor1	oryLat2	1.185763
galGal4	oryLat2	2.10865078	galGal4	oryLat2	2.11098392
gasAcu1	oryLat2	0.8023157	gasAcu1	oryLat2	0.8069112
gorGor3	oryLat2	2.19158726	gorGor3	oryLat2	2.20120661
hetGla2	oryLat2	2.28861084	hetGla2	oryLat2	2.30005858
hg19	oryLat2	2.19224062	hg19	oryLat2	2.20062807
latCha1	oryLat2	1.962709	latCha1	oryLat2	2.02808769
loxAfr3	oryLat2	2.17332651	loxAfr3	oryLat2	2.18251191
macEug2	oryLat2	2.1100474	macEug2	oryLat2	2.11746119
melGal1	oryLat2	2.12381778	melGal1	oryLat2	2.12680962
melUnd1	oryLat2	2.0376109	melUnd1	oryLat2	2.03950616
micMur1	oryLat2	2.1932097	micMur1	oryLat2	2.20217403
mm10	oryLat2	2.41121794	mm10	oryLat2	2.42246508
monDom5	oryLat2	2.1087515	monDom5	oryLat2	2.11491079
myoLuc2	oryLat2	2.23233658	myoLuc2	oryLat2	2.24277261
nomLeu2	oryLat2	2.1911204	nomLeu2	oryLat2	2.20093633
ochPri2	oryLat2	2.3638782	ochPri2	oryLat2	2.37547019
oreNil2	oryLat2	0.8379346	oreNil2	oryLat2	0.83958994
ornAna1	oryLat2	2.1832718	ornAna1	oryLat2	2.18890369
oryCun2	oryLat2	2.2725512	oryCun2	oryLat2	2.28440019
otoGar3	oryLat2	2.2286269	otoGar3	oryLat2	2.23841513
oviAri1	oryLat2	2.25612197	oviAri1	oryLat2	2.2664192
panTro4	oryLat2	2.19242236	panTro4	oryLat2	2.20122145
papHam1	oryLat2	2.194547	papHam1	oryLat2	2.20456183
ponAbe2	oryLat2	2.19204449	ponAbe2	oryLat2	2.20120463
proCap1	oryLat2	2.25478051	proCap1	oryLat2	2.26535711
pteVam1	oryLat2	2.20920558	pteVam1	oryLat2	2.21824861
rheMac3	oryLat2	2.19471165	rheMac3	oryLat2	2.20376639
rn5	oryLat2	2.41795154	rn5	oryLat2	2.42885128
saiBol1	oryLat2	2.2060203	saiBol1	oryLat2	2.21530473
sarHar1	oryLat2	2.1308654	sarHar1	oryLat2	2.15446499
sorAra1	oryLat2	2.39073307	sorAra1	oryLat2	2.40272404
speTri2	oryLat2	2.2338251	speTri2	oryLat2	2.24490519
susScr3	oryLat2	2.2204723	susScr3	oryLat2	2.23068789
taeGut1	oryLat2	2.12151178	taeGut1	oryLat2	2.12459992

tarSyr1	oryLat2	2.2148012	tarSyr1	oryLat2	2.22566353
tetNig2	oryLat2	0.9877646	tetNig2	oryLat2	0.98909294
triMan1	oryLat2	2.15163845	triMan1	oryLat2	2.1616252
tupBel1	oryLat2	2.2397161	tupBel1	oryLat2	2.25017853
turTru2	oryLat2	2.18646187	turTru2	oryLat2	2.1962746
vicPac1	oryLat2	2.21233347	vicPac1	oryLat2	2.222848
xenTro3	oryLat2	2.3735608	xenTro3	oryLat2	2.35427369
ailMel1	otoGar3	0.39422916	ailMel1	otoGar3	0.39483029
anoCar2	otoGar3	1.4097202	anoCar2	otoGar3	1.41631491
bosTau7	otoGar3	0.42665077	bosTau7	otoGar3	0.43037035
calJac3	otoGar3	0.3030792	calJac3	otoGar3	0.3057441
canFam3	otoGar3	0.40629586	Clup	otoGar3	0.42426669
cavPor3	otoGar3	0.46902194	cavPor3	otoGar3	0.47419033
choHof1	otoGar3	0.38498075	choHof1	otoGar3	0.38674095
chrPic1	otoGar3	1.0233711	chrPic1	otoGar3	1.03255944
danRer7	otoGar3	2.1968279	danRer7	otoGar3	2.20734813
dasNov3	otoGar3	0.39960095	dasNov3	otoGar3	0.40236205
dipOrd1	otoGar3	0.46938494	dipOrd1	otoGar3	0.47331053
echTel1	otoGar3	0.57749645	echTel1	otoGar3	0.58024414
equCab2	otoGar3	0.35485566	equCab2	otoGar3	0.35698749
eriEur1	otoGar3	0.52524457	eriEur1	otoGar3	0.52834739
felCat5	otoGar3	0.38534346	felCat5	otoGar3	0.38728789
fr3	otoGar3	2.3317235	fr3	otoGar3	2.34081607
gadMor1	otoGar3	2.1756319	gadMor1	otoGar3	2.16945413
galGal4	otoGar3	1.24942608	galGal4	otoGar3	1.25723367
gasAcu1	otoGar3	2.1707326	gasAcu1	otoGar3	2.18254833
gorGor3	otoGar3	0.28772776	gorGor3	otoGar3	0.29080408
hetGla2	otoGar3	0.42387814	hetGla2	otoGar3	0.42806893
hg19	otoGar3	0.28838112	hg19	otoGar3	0.29022554
latCha1	otoGar3	1.4598299	latCha1	otoGar3	1.47162744
loxAfr3	otoGar3	0.39780241	loxAfr3	otoGar3	0.40007146
macEug2	otoGar3	0.8264573	macEug2	otoGar3	0.83079674
melGal1	otoGar3	1.26459308	melGal1	otoGar3	1.27305937
melUnd1	otoGar3	1.1783862	melUnd1	otoGar3	1.18575591
micMur1	otoGar3	0.2190448	micMur1	otoGar3	0.2209849
mm10	otoGar3	0.54648524	mm10	otoGar3	0.55047543
monDom5	otoGar3	0.8251614	monDom5	otoGar3	0.82824634
myoLuc2	otoGar3	0.41053308	myoLuc2	otoGar3	0.41417496
nomLeu2	otoGar3	0.2872609	nomLeu2	otoGar3	0.2905338
ochPri2	otoGar3	0.4991455	ochPri2	otoGar3	0.50348054
oreNil2	otoGar3	2.2063515	oreNil2	otoGar3	2.21522707
ornAna1	otoGar3	1.0538551	ornAna1	otoGar3	1.05961544
oryCun2	otoGar3	0.4078185	oryCun2	otoGar3	0.41241054
oryLat2	otoGar3	2.2286269	oryLat2	otoGar3	2.23841513
oviAri1	otoGar3	0.43431847	oviAri1	otoGar3	0.43782155
panTro4	otoGar3	0.28856286	panTro4	otoGar3	0.29081892
papHam1	otoGar3	0.2906875	papHam1	otoGar3	0.2941593
ponAbe2	otoGar3	0.28818499	ponAbe2	otoGar3	0.2908021
proCap1	otoGar3	0.47925641	proCap1	otoGar3	0.48291666
pteVam1	otoGar3	0.38740208	pteVam1	otoGar3	0.38965096
rheMac3	otoGar3	0.29085215	rheMac3	otoGar3	0.29336386
rn5	otoGar3	0.55321884	rn5	otoGar3	0.55686163
saiBol1	otoGar3	0.3021608	saiBol1	otoGar3	0.3049022
sarHar1	otoGar3	0.8472753	sarHar1	otoGar3	0.86780054
sorAra1	otoGar3	0.56892957	sorAra1	otoGar3	0.57412639
speTri2	otoGar3	0.3690924	speTri2	otoGar3	0.37291554
susScr3	otoGar3	0.3986688	susScr3	otoGar3	0.40209024
taeGut1	otoGar3	1.26228708	taeGut1	otoGar3	1.27084967
tarSyr1	otoGar3	0.3109417	tarSyr1	otoGar3	0.315261
tetNig2	otoGar3	2.3561815	tetNig2	otoGar3	2.36473007
triMan1	otoGar3	0.37611435	triMan1	otoGar3	0.37918475
tupBel1	otoGar3	0.3664908	tupBel1	otoGar3	0.3696166
turTru2	otoGar3	0.36465837	turTru2	otoGar3	0.36767695

vicPac1	otoGar3	0.39052997	vicPac1	otoGar3	0.39425035
xenTro3	otoGar3	1.7413901	xenTro3	otoGar3	1.77474544
ailMel1	oviAri1	0.36344363	ailMel1	oviAri1	0.36404036
anoCar2	oviAri1	1.43721527	anoCar2	oviAri1	1.44431898
bosTau7	oviAri1	0.0708309	bosTau7	oviAri1	0.0718242
calJac3	oviAri1	0.41263027	calJac3	oviAri1	0.41555305
canFam3	oviAri1	0.37551033	Clup	oviAri1	0.39347676
cavPor3	oviAri1	0.53944621	cavPor3	oviAri1	0.5455864
choHof1	oviAri1	0.41247582	choHof1	oviAri1	0.41474502
chrPic1	oviAri1	1.05086617	chrPic1	oviAri1	1.06056351
danRer7	oviAri1	2.22432297	danRer7	oviAri1	2.2353522
dasNov3	oviAri1	0.42709602	dasNov3	oviAri1	0.43036612
dipOrd1	oviAri1	0.53980921	dipOrd1	oviAri1	0.5447066
echTel1	oviAri1	0.60499152	echTel1	oviAri1	0.60824821
equCab2	oviAri1	0.32407013	equCab2	oviAri1	0.32619756
eriEur1	oviAri1	0.49445904	eriEur1	oviAri1	0.49755746
felCat5	oviAri1	0.35455793	felCat5	oviAri1	0.35649796
fr3	oviAri1	2.35921857	fr3	oviAri1	2.36882014
gadMor1	oviAri1	2.20312697	gadMor1	oviAri1	2.1974582
galGal4	oviAri1	1.27692115	galGal4	oviAri1	1.28523774
gasAcu1	oviAri1	2.19822767	gasAcu1	oviAri1	2.2105524
gorGor3	oviAri1	0.39727883	gorGor3	oviAri1	0.40061303
hetGla2	oviAri1	0.49430241	hetGla2	oviAri1	0.499465
hg19	oviAri1	0.39793219	hg19	oviAri1	0.40003449
latCha1	oviAri1	1.48732497	latCha1	oviAri1	1.49963151
loxAfr3	oviAri1	0.42529748	loxAfr3	oviAri1	0.42807553
macEug2	oviAri1	0.85395237	macEug2	oviAri1	0.85880081
melGal1	oviAri1	1.29208815	melGal1	oviAri1	1.30106344
melUnd1	oviAri1	1.20588127	melUnd1	oviAri1	1.21375998
micMur1	oviAri1	0.39890127	micMur1	oviAri1	0.40158045
mm10	oviAri1	0.61690951	mm10	oviAri1	0.6218715
monDom5	oviAri1	0.85265647	monDom5	oviAri1	0.85625041
myoLuc2	oviAri1	0.37974755	myoLuc2	oviAri1	0.38338503
nomLeu2	oviAri1	0.39681197	nomLeu2	oviAri1	0.40034275
ochPri2	oviAri1	0.56956977	ochPri2	oviAri1	0.57487661
oreNil2	oviAri1	2.23384657	oreNil2	oviAri1	2.24323114
ornAna1	oviAri1	1.08135017	ornAna1	oviAri1	1.08761951
oryCun2	oviAri1	0.47824277	oryCun2	oviAri1	0.48380661
oryLat2	oviAri1	2.25612197	oryLat2	oviAri1	2.2664192
otoGar3	oviAri1	0.43431847	otoGar3	oviAri1	0.43782155
panTro4	oviAri1	0.39811393	panTro4	oviAri1	0.40062787
papHam1	oviAri1	0.40023857	papHam1	oviAri1	0.40396825
ponAbe2	oviAri1	0.39773606	ponAbe2	oviAri1	0.40061105
proCap1	oviAri1	0.50675148	proCap1	oviAri1	0.51092073
pteVam1	oviAri1	0.35661655	pteVam1	oviAri1	0.35886103
rheMac3	oviAri1	0.40040322	rheMac3	oviAri1	0.40317281
rn5	oviAri1	0.62364311	rn5	oviAri1	0.6282577
saiBol1	oviAri1	0.41171187	saiBol1	oviAri1	0.41471115
sarHar1	oviAri1	0.87477037	sarHar1	oviAri1	0.89580461
sorAra1	oviAri1	0.53814404	sorAra1	oviAri1	0.54333646
speTri2	oviAri1	0.43951667	speTri2	oviAri1	0.44431161
susScr3	oviAri1	0.27893167	susScr3	oviAri1	0.28082731
taeGut1	oviAri1	1.28978215	taeGut1	oviAri1	1.29885374
tarSyr1	oviAri1	0.42049277	tarSyr1	oviAri1	0.42506995
tetNig2	oviAri1	2.38367657	tetNig2	oviAri1	2.39273414
triMan1	oviAri1	0.40360942	triMan1	oviAri1	0.40718882
tupBel1	oviAri1	0.44540767	tupBel1	oviAri1	0.44958495
turTru2	oviAri1	0.1968107	turTru2	oviAri1	0.198342
vicPac1	oviAri1	0.2634245	vicPac1	oviAri1	0.2658812
xenTro3	oviAri1	1.76888517	xenTro3	oviAri1	1.80274951
ailMel1	panTro4	0.35802462	ailMel1	panTro4	0.35763661
anoCar2	panTro4	1.37351566	anoCar2	panTro4	1.37912123
bosTau7	panTro4	0.39044623	bosTau7	panTro4	0.39317667

calJac3	panTro4	0.12579886	calJac3	panTro4	0.12606562
canFam3	panTro4	0.37009132	Clup	panTro4	0.38707301
cavPor3	panTro4	0.4328174	cavPor3	panTro4	0.43699665
choHof1	panTro4	0.34877621	choHof1	panTro4	0.34954727
chrPic1	panTro4	0.98716656	chrPic1	panTro4	0.99536576
danRer7	panTro4	2.16062336	danRer7	panTro4	2.17015445
dasNov3	panTro4	0.36339641	dasNov3	panTro4	0.36516837
dipOrd1	panTro4	0.4331804	dipOrd1	panTro4	0.43611685
echTel1	panTro4	0.54129191	echTel1	panTro4	0.54305046
equCab2	panTro4	0.31865112	equCab2	panTro4	0.31979381
eriEur1	panTro4	0.48904003	eriEur1	panTro4	0.49115371
felCat5	panTro4	0.34913892	felCat5	panTro4	0.35009421
fr3	panTro4	2.29551896	fr3	panTro4	2.30362239
gadMor1	panTro4	2.13942736	gadMor1	panTro4	2.13226045
galGal4	panTro4	1.21322154	galGal4	panTro4	1.22003999
gasAcu1	panTro4	2.13452806	gasAcu1	panTro4	2.14535465
gorGor3	panTro4	0.0192076	gorGor3	panTro4	0.01885564
hetGla2	panTro4	0.3876736	hetGla2	panTro4	0.39087525
hg19	panTro4	0.01366288	hg19	panTro4	0.01343896
latCha1	panTro4	1.42362536	latCha1	panTro4	1.43443376
loxAfr3	panTro4	0.36159787	loxAfr3	panTro4	0.36287778
macEug2	panTro4	0.79025276	macEug2	panTro4	0.79360306
melGal1	panTro4	1.22838854	melGal1	panTro4	1.23586569
melUnd1	panTro4	1.14218166	melUnd1	panTro4	1.14856223
micMur1	panTro4	0.25314566	micMur1	panTro4	0.25457782
mm10	panTro4	0.5102807	mm10	panTro4	0.51328175
monDom5	panTro4	0.78895686	monDom5	panTro4	0.79105266
myoLuc2	panTro4	0.37432854	myoLuc2	panTro4	0.37698128
nomLeu2	panTro4	0.04494336	nomLeu2	panTro4	0.04462872
ochPri2	panTro4	0.46294096	ochPri2	panTro4	0.46628686
oreNil2	panTro4	2.17014696	oreNil2	panTro4	2.17803339
ornAna1	panTro4	1.01765056	ornAna1	panTro4	1.02242176
oryCun2	panTro4	0.37161396	oryCun2	panTro4	0.37521686
oryLat2	panTro4	2.19242236	oryLat2	panTro4	2.20122145
otoGar3	panTro4	0.28856286	otoGar3	panTro4	0.29081892
oviAri1	panTro4	0.39811393	oviAri1	panTro4	0.40062787
papHam1	panTro4	0.07173956	papHam1	panTro4	0.07198602
ponAbe2	panTro4	0.03874647	ponAbe2	panTro4	0.03864782
proCap1	panTro4	0.44305187	proCap1	panTro4	0.44572298
pteVam1	panTro4	0.35119754	pteVam1	panTro4	0.35245728
rheMac3	panTro4	0.07190421	rheMac3	panTro4	0.07119058
rn5	panTro4	0.5170143	rn5	panTro4	0.51966795
saiBol1	panTro4	0.12488046	saiBol1	panTro4	0.12522372
sarHar1	panTro4	0.81107076	sarHar1	panTro4	0.83060686
sorAra1	panTro4	0.53272503	sorAra1	panTro4	0.53693271
speTri2	panTro4	0.33288786	speTri2	panTro4	0.33572186
susScr3	panTro4	0.36246426	susScr3	panTro4	0.36489656
taeGut1	panTro4	1.22608254	taeGut1	panTro4	1.23365599
tarSyr1	panTro4	0.25255516	tarSyr1	panTro4	0.25488192
tetNig2	panTro4	2.31997696	tetNig2	panTro4	2.32753639
triMan1	panTro4	0.33990981	triMan1	panTro4	0.34199107
tupBel1	panTro4	0.33028626	tupBel1	panTro4	0.33242292
turTru2	panTro4	0.32845383	turTru2	panTro4	0.33048327
vicPac1	panTro4	0.35432543	vicPac1	panTro4	0.35705667
xenTro3	panTro4	1.70518556	xenTro3	panTro4	1.73755176
ailMel1	papHam1	0.36014926	ailMel1	papHam1	0.36097699
anoCar2	papHam1	1.3756403	anoCar2	papHam1	1.38246161
bosTau7	papHam1	0.39257087	bosTau7	papHam1	0.39651705
calJac3	papHam1	0.1279235	calJac3	papHam1	0.129406
canFam3	papHam1	0.37221596	Clup	papHam1	0.39041339
cavPor3	papHam1	0.43494204	cavPor3	papHam1	0.44033703
choHof1	papHam1	0.35090085	choHof1	papHam1	0.35288765
chrPic1	papHam1	0.9892912	chrPic1	papHam1	0.99870614

danRer7	papHam1	2.162748	danRer7	papHam1	2.17349483
dasNov3	papHam1	0.36552105	dasNov3	papHam1	0.36850875
dipOrd1	papHam1	0.43530504	dipOrd1	papHam1	0.43945723
echTel1	papHam1	0.54341655	echTel1	papHam1	0.54639084
equCab2	papHam1	0.32077576	equCab2	papHam1	0.32313419
eriEur1	papHam1	0.49116467	eriEur1	papHam1	0.49449409
felCat5	papHam1	0.35126356	felCat5	papHam1	0.35343459
fr3	papHam1	2.2976436	fr3	papHam1	2.30696277
gadMor1	papHam1	2.141552	gadMor1	papHam1	2.13560083
galGal4	papHam1	1.21534618	galGal4	papHam1	1.22338037
gasAcu1	papHam1	2.1366527	gasAcu1	papHam1	2.14869503
gorGor3	papHam1	0.07090446	gorGor3	papHam1	0.07197118
hetGla2	papHam1	0.38979824	hetGla2	papHam1	0.39421563
hg19	papHam1	0.07155782	hg19	papHam1	0.07139264
latCha1	papHam1	1.42575	latCha1	papHam1	1.43777414
loxAfr3	papHam1	0.36372251	loxAfr3	papHam1	0.36621816
macEug2	papHam1	0.7923774	macEug2	papHam1	0.79694344
melGal1	papHam1	1.23051318	melGal1	papHam1	1.23920607
melUnd1	papHam1	1.1443063	melUnd1	papHam1	1.15190261
micMur1	papHam1	0.2552703	micMur1	papHam1	0.2579182
mm10	papHam1	0.51240534	mm10	papHam1	0.51662213
monDom5	papHam1	0.7910815	monDom5	papHam1	0.79439304
myoLuc2	papHam1	0.37645318	myoLuc2	papHam1	0.38032166
nomLeu2	papHam1	0.0704376	nomLeu2	papHam1	0.0717009
ochPri2	papHam1	0.4650656	ochPri2	papHam1	0.46962724
oreNil2	papHam1	2.1722716	oreNil2	papHam1	2.18137377
ornAna1	papHam1	1.0197752	ornAna1	papHam1	1.02576214
oryCun2	papHam1	0.3737386	oryCun2	papHam1	0.37855724
oryLat2	papHam1	2.194547	oryLat2	papHam1	2.20456183
otoGar3	papHam1	0.2906875	otoGar3	papHam1	0.2941593
oviAri1	papHam1	0.40023857	oviAri1	papHam1	0.40396825
panTro4	papHam1	0.07173956	panTro4	papHam1	0.07198602
ponAbe2	papHam1	0.07136169	ponAbe2	papHam1	0.0719692
proCap1	papHam1	0.44517651	proCap1	papHam1	0.44906336
pteVam1	papHam1	0.35332218	pteVam1	papHam1	0.35579766
rheMac3	papHam1	0.01613425	rheMac3	papHam1	0.01572416
rn5	papHam1	0.51913894	rn5	papHam1	0.52300833
saiBol1	papHam1	0.1270051	saiBol1	papHam1	0.1285641
sarHar1	papHam1	0.8131954	sarHar1	papHam1	0.83394724
sorAra1	papHam1	0.53484967	sorAra1	papHam1	0.54027309
speTri2	papHam1	0.3350125	speTri2	papHam1	0.33906224
susScr3	papHam1	0.3645889	susScr3	papHam1	0.36823694
taeGut1	papHam1	1.22820718	taeGut1	papHam1	1.23699637
tarSyr1	papHam1	0.2546798	tarSyr1	papHam1	0.2582223
tetNig2	papHam1	2.3221016	tetNig2	papHam1	2.33087677
triMan1	papHam1	0.34203445	triMan1	papHam1	0.34533145
tupBel1	papHam1	0.3324109	tupBel1	papHam1	0.3357633
turTru2	papHam1	0.33057847	turTru2	papHam1	0.33382365
vicPac1	papHam1	0.35645007	vicPac1	papHam1	0.36039705
xenTro3	papHam1	1.7073102	xenTro3	papHam1	1.74089214
ailMel1	ponAbe2	0.35764675	ailMel1	ponAbe2	0.35761979
anoCar2	ponAbe2	1.37313779	anoCar2	ponAbe2	1.37910441
bosTau7	ponAbe2	0.39006836	bosTau7	ponAbe2	0.39315985
calJac3	ponAbe2	0.12542099	calJac3	ponAbe2	0.1260488
canFam3	ponAbe2	0.36971345	Clup	ponAbe2	0.38705619
cavPor3	ponAbe2	0.43243953	cavPor3	ponAbe2	0.43697983
choHof1	ponAbe2	0.34839834	choHof1	ponAbe2	0.34953045
chrPic1	ponAbe2	0.98678869	chrPic1	ponAbe2	0.99534894
danRer7	ponAbe2	2.16024549	danRer7	ponAbe2	2.17013763
dasNov3	ponAbe2	0.36301854	dasNov3	ponAbe2	0.36515155
dipOrd1	ponAbe2	0.43280253	dipOrd1	ponAbe2	0.43610003
echTel1	ponAbe2	0.54091404	echTel1	ponAbe2	0.54303364
equCab2	ponAbe2	0.31827325	equCab2	ponAbe2	0.31977699

eriEur1	ponAbe2	0.48866216	eriEur1	ponAbe2	0.49113689
felCat5	ponAbe2	0.34876105	felCat5	ponAbe2	0.35007739
fr3	ponAbe2	2.29514109	fr3	ponAbe2	2.30360557
gadMor1	ponAbe2	2.13904949	gadMor1	ponAbe2	2.13224363
galGal4	ponAbe2	1.21284367	galGal4	ponAbe2	1.22002317
gasAcu1	ponAbe2	2.13415019	gasAcu1	ponAbe2	2.14533783
gorGor3	ponAbe2	0.03791137	gorGor3	ponAbe2	0.03863298
hetGla2	ponAbe2	0.38729573	hetGla2	ponAbe2	0.39085843
hg19	ponAbe2	0.03856473	hg19	ponAbe2	0.03805444
latCha1	ponAbe2	1.42324749	latCha1	ponAbe2	1.43441694
loxAfr3	ponAbe2	0.36122	loxAfr3	ponAbe2	0.36286096
macEug2	ponAbe2	0.78987489	macEug2	ponAbe2	0.79358624
melGal1	ponAbe2	1.22801067	melGal1	ponAbe2	1.23584887
melUnd1	ponAbe2	1.14180379	melUnd1	ponAbe2	1.14854541
micMur1	ponAbe2	0.25276779	micMur1	ponAbe2	0.254561
mm10	ponAbe2	0.50990283	mm10	ponAbe2	0.51326493
monDom5	ponAbe2	0.78857899	monDom5	ponAbe2	0.79103584
myoLuc2	ponAbe2	0.37395067	myoLuc2	ponAbe2	0.37696446
nomLeu2	ponAbe2	0.04456549	nomLeu2	ponAbe2	0.0446119
ochPri2	ponAbe2	0.46256309	ochPri2	ponAbe2	0.46627004
oreNil2	ponAbe2	2.16976909	oreNil2	ponAbe2	2.17801657
ornAna1	ponAbe2	1.01727269	ornAna1	ponAbe2	1.02240494
oryCun2	ponAbe2	0.37123609	oryCun2	ponAbe2	0.37520004
oryLat2	ponAbe2	2.19204449	oryLat2	ponAbe2	2.20120463
otoGar3	ponAbe2	0.28818499	otoGar3	ponAbe2	0.2908021
oviAri1	ponAbe2	0.39773606	oviAri1	ponAbe2	0.40061105
panTro4	ponAbe2	0.03874647	panTro4	ponAbe2	0.03864782
papHam1	ponAbe2	0.07136169	papHam1	ponAbe2	0.0719692
proCap1	ponAbe2	0.442674	proCap1	ponAbe2	0.44570616
pteVam1	ponAbe2	0.35081967	pteVam1	ponAbe2	0.35244046
rheMac3	ponAbe2	0.07152634	rheMac3	ponAbe2	0.07117376
rn5	ponAbe2	0.51663643	rn5	ponAbe2	0.51965113
saiBol1	ponAbe2	0.12450259	saiBol1	ponAbe2	0.1252069
sarHar1	ponAbe2	0.81069289	sarHar1	ponAbe2	0.83059004
sorAra1	ponAbe2	0.53234716	sorAra1	ponAbe2	0.53691589
speTri2	ponAbe2	0.33250999	speTri2	ponAbe2	0.33570504
susScr3	ponAbe2	0.36208639	susScr3	ponAbe2	0.36487974
taeGut1	ponAbe2	1.22570467	taeGut1	ponAbe2	1.23363917
tarSyr1	ponAbe2	0.25217729	tarSyr1	ponAbe2	0.2548651
tetNig2	ponAbe2	2.31959909	tetNig2	ponAbe2	2.32751957
triMan1	ponAbe2	0.33953194	triMan1	ponAbe2	0.34197425
tupBel1	ponAbe2	0.32990839	tupBel1	ponAbe2	0.3324061
turTru2	ponAbe2	0.32807596	turTru2	ponAbe2	0.33046645
vicPac1	ponAbe2	0.35394756	vicPac1	ponAbe2	0.35703985
xenTro3	ponAbe2	1.70480769	xenTro3	ponAbe2	1.73753494
ailMel1	proCap1	0.46666217	ailMel1	proCap1	0.46792947
anoCar2	proCap1	1.43587381	anoCar2	proCap1	1.44325689
bosTau7	proCap1	0.49908378	bosTau7	proCap1	0.50346953
calJac3	proCap1	0.45756821	calJac3	proCap1	0.46064816
canFam3	proCap1	0.47872887	Clup	proCap1	0.49736587
cavPor3	proCap1	0.58438415	cavPor3	proCap1	0.59068151
choHof1	proCap1	0.39635206	choHof1	proCap1	0.39918831
chrPic1	proCap1	1.04952471	chrPic1	proCap1	1.05950142
danRer7	proCap1	2.22298151	danRer7	proCap1	2.23429011
dasNov3	proCap1	0.41097226	dasNov3	proCap1	0.41480941
dipOrd1	proCap1	0.58474715	dipOrd1	proCap1	0.58980171
echTel1	proCap1	0.43533196	echTel1	proCap1	0.44109652
equCab2	proCap1	0.42728867	equCab2	proCap1	0.43008667
eriEur1	proCap1	0.59767758	eriEur1	proCap1	0.60144657
felCat5	proCap1	0.45777647	felCat5	proCap1	0.46038707
fr3	proCap1	2.35787711	fr3	proCap1	2.36775805
gadMor1	proCap1	2.20178551	gadMor1	proCap1	2.19639611
galGal4	proCap1	1.27557969	galGal4	proCap1	1.28417565

gasAcu1	proCap1	2.19688621	gasAcu1	proCap1	2.20949031
gorGor3	proCap1	0.44221677	gorGor3	proCap1	0.44570814
hetGla2	proCap1	0.53924035	hetGla2	proCap1	0.54456011
hg19	proCap1	0.44287013	hg19	proCap1	0.4451296
latCha1	proCap1	1.48598351	latCha1	proCap1	1.49856942
loxAfr3	proCap1	0.239136	loxAfr3	proCap1	0.2419928
macEug2	proCap1	0.85261091	macEug2	proCap1	0.85773872
melGal1	proCap1	1.29074669	melGal1	proCap1	1.30000135
melUnd1	proCap1	1.20453981	melUnd1	proCap1	1.21269789
micMur1	proCap1	0.44383921	micMur1	proCap1	0.44667556
mm10	proCap1	0.66184745	mm10	proCap1	0.66696661
monDom5	proCap1	0.85131501	monDom5	proCap1	0.85518832
myoLuc2	proCap1	0.48296609	myoLuc2	proCap1	0.48727414
nomLeu2	proCap1	0.44174991	nomLeu2	proCap1	0.44543786
ochPri2	proCap1	0.61450771	ochPri2	proCap1	0.61997172
oreNil2	proCap1	2.23250511	oreNil2	proCap1	2.24216905
ornAna1	proCap1	1.08000871	ornAna1	proCap1	1.08655742
oryCun2	proCap1	0.52318071	oryCun2	proCap1	0.52890172
oryLat2	proCap1	2.25478051	oryLat2	proCap1	2.26535711
otoGar3	proCap1	0.47925641	otoGar3	proCap1	0.48291666
oviAri1	proCap1	0.50675148	oviAri1	proCap1	0.51092073
panTro4	proCap1	0.44305187	panTro4	proCap1	0.44572298
papHam1	proCap1	0.44517651	papHam1	proCap1	0.44906336
ponAbe2	proCap1	0.442674	ponAbe2	proCap1	0.44570616
pteVam1	proCap1	0.45983509	pteVam1	proCap1	0.46275014
rheMac3	proCap1	0.44534116	rheMac3	proCap1	0.44826792
rn5	proCap1	0.66858105	rn5	proCap1	0.67335281
saiBol1	proCap1	0.45664981	saiBol1	proCap1	0.45980626
sarHar1	proCap1	0.87342891	sarHar1	proCap1	0.89474252
sorAra1	proCap1	0.64136258	sorAra1	proCap1	0.64722557
speTri2	proCap1	0.48445461	speTri2	proCap1	0.48940672
susScr3	proCap1	0.47110181	susScr3	proCap1	0.47518942
taeGut1	proCap1	1.28844069	taeGut1	proCap1	1.29779165
tarSyr1	proCap1	0.46543071	tarSyr1	proCap1	0.47016506
tetNig2	proCap1	2.38233511	tetNig2	proCap1	2.39167205
triMan1	proCap1	0.24027706	triMan1	proCap1	0.24317831
tupBel1	proCap1	0.49034561	tupBel1	proCap1	0.49468006
turTru2	proCap1	0.43709138	turTru2	proCap1	0.44077613
vicPac1	proCap1	0.46296298	vicPac1	proCap1	0.46734953
xenTro3	proCap1	1.76754371	xenTro3	proCap1	1.80168742
ailMel1	pteVam1	0.30277388	ailMel1	pteVam1	0.30331813
anoCar2	pteVam1	1.39029888	anoCar2	pteVam1	1.39614839
bosTau7	pteVam1	0.34894885	bosTau7	pteVam1	0.35140983
calJac3	pteVam1	0.36571388	calJac3	pteVam1	0.36738246
canFam3	pteVam1	0.31484058	Clup	pteVam1	0.33275453
cavPor3	pteVam1	0.49252982	cavPor3	pteVam1	0.49741581
choHof1	pteVam1	0.36555943	choHof1	pteVam1	0.36657443
chrPic1	pteVam1	1.00394978	chrPic1	pteVam1	1.01239292
danRer7	pteVam1	2.17740658	danRer7	pteVam1	2.18718161
dasNov3	pteVam1	0.38017963	dasNov3	pteVam1	0.38219553
dipOrd1	pteVam1	0.49289282	dipOrd1	pteVam1	0.49653601
echTel1	pteVam1	0.55807513	echTel1	pteVam1	0.56007762
equCab2	pteVam1	0.26340038	equCab2	pteVam1	0.26547533
eriEur1	pteVam1	0.44168931	eriEur1	pteVam1	0.44582497
felCat5	pteVam1	0.29388818	felCat5	pteVam1	0.29577573
fr3	pteVam1	2.31230218	fr3	pteVam1	2.32064955
gadMor1	pteVam1	2.15621058	gadMor1	pteVam1	2.14928761
galGal4	pteVam1	1.23000476	galGal4	pteVam1	1.23706715
gasAcu1	pteVam1	2.15131128	gasAcu1	pteVam1	2.16238181
gorGor3	pteVam1	0.35036244	gorGor3	pteVam1	0.35244244
hetGla2	pteVam1	0.44738602	hetGla2	pteVam1	0.45129441
hg19	pteVam1	0.3510158	hg19	pteVam1	0.3518639
latCha1	pteVam1	1.44040858	latCha1	pteVam1	1.45146092

loxAfr3	pteVam1	0.37838109	loxAfr3	pteVam1	0.37990494
macEug2	pteVam1	0.80703598	macEug2	pteVam1	0.81063022
melGal1	pteVam1	1.24517176	melGal1	pteVam1	1.25289285
melUnd1	pteVam1	1.15896488	melUnd1	pteVam1	1.16558939
micMur1	pteVam1	0.35198488	micMur1	pteVam1	0.35340986
mm10	pteVam1	0.56999312	mm10	pteVam1	0.57370091
monDom5	pteVam1	0.80574008	monDom5	pteVam1	0.80807982
myoLuc2	pteVam1	0.251157	myoLuc2	pteVam1	0.25313
nomLeu2	pteVam1	0.34989558	nomLeu2	pteVam1	0.35217216
ochPri2	pteVam1	0.52265338	ochPri2	pteVam1	0.52670602
oreNil2	pteVam1	2.18693018	oreNil2	pteVam1	2.19506055
ornAna1	pteVam1	1.03443378	ornAna1	pteVam1	1.03944892
oryCun2	pteVam1	0.43132638	oryCun2	pteVam1	0.43563602
oryLat2	pteVam1	2.20920558	oryLat2	pteVam1	2.21824861
otoGar3	pteVam1	0.38740208	otoGar3	pteVam1	0.38965096
oviAri1	pteVam1	0.35661655	oviAri1	pteVam1	0.35886103
panTro4	pteVam1	0.35119754	panTro4	pteVam1	0.35245728
papHam1	pteVam1	0.35332218	papHam1	pteVam1	0.35579766
ponAbe2	pteVam1	0.35081967	ponAbe2	pteVam1	0.35244046
proCap1	pteVam1	0.45983509	proCap1	pteVam1	0.46275014
rheMac3	pteVam1	0.35348683	rheMac3	pteVam1	0.35500222
rn5	pteVam1	0.57672672	rn5	pteVam1	0.58008711
saiBol1	pteVam1	0.36479548	saiBol1	pteVam1	0.36654056
sarHar1	pteVam1	0.82785398	sarHar1	pteVam1	0.84763402
sorAra1	pteVam1	0.48537431	sorAra1	pteVam1	0.49160397
speTri2	pteVam1	0.39260028	speTri2	pteVam1	0.39614102
susScr3	pteVam1	0.32096688	susScr3	pteVam1	0.32312972
taeGut1	pteVam1	1.24286576	taeGut1	pteVam1	1.25068315
tarSyr1	pteVam1	0.37357638	tarSyr1	pteVam1	0.37689936
tetNig2	pteVam1	2.33676018	tetNig2	pteVam1	2.34456355
triMan1	pteVam1	0.35669303	triMan1	pteVam1	0.35901823
tupBel1	pteVam1	0.39849128	tupBel1	pteVam1	0.40141436
turTru2	pteVam1	0.28695645	turTru2	pteVam1	0.28871643
vicPac1	pteVam1	0.31282805	vicPac1	pteVam1	0.31528983
xenTro3	pteVam1	1.72196878	xenTro3	pteVam1	1.75457892
ailMel1	rheMac3	0.36031391	ailMel1	rheMac3	0.36018155
anoCar2	rheMac3	1.37580495	anoCar2	rheMac3	1.38166617
bosTau7	rheMac3	0.39273552	bosTau7	rheMac3	0.39572161
calJac3	rheMac3	0.12808815	calJac3	rheMac3	0.12861056
canFam3	rheMac3	0.37238061	Clup	rheMac3	0.38961795
cavPor3	rheMac3	0.43510669	cavPor3	rheMac3	0.43954159
choHof1	rheMac3	0.3510655	choHof1	rheMac3	0.35209221
chrPic1	rheMac3	0.98945585	chrPic1	rheMac3	0.9979107
danRer7	rheMac3	2.16291265	danRer7	rheMac3	2.17269939
dasNov3	rheMac3	0.3656857	dasNov3	rheMac3	0.36771331
dipOrd1	rheMac3	0.43546969	dipOrd1	rheMac3	0.43866179
echTel1	rheMac3	0.5435812	echTel1	rheMac3	0.5455954
equCab2	rheMac3	0.32094041	equCab2	rheMac3	0.32233875
eriEur1	rheMac3	0.49132932	eriEur1	rheMac3	0.49369865
felCat5	rheMac3	0.35142821	felCat5	rheMac3	0.35263915
fr3	rheMac3	2.29780825	fr3	rheMac3	2.30616733
gadMor1	rheMac3	2.14171665	gadMor1	rheMac3	2.13480539
galGal4	rheMac3	1.21551083	galGal4	rheMac3	1.22258493
gasAcu1	rheMac3	2.13681735	gasAcu1	rheMac3	2.14789959
gorGor3	rheMac3	0.07106911	gorGor3	rheMac3	0.07117574
hetGla2	rheMac3	0.38996289	hetGla2	rheMac3	0.39342019
hg19	rheMac3	0.07172247	hg19	rheMac3	0.0705972
latCha1	rheMac3	1.42591465	latCha1	rheMac3	1.4369787
loxAfr3	rheMac3	0.36388716	loxAfr3	rheMac3	0.36542272
macEug2	rheMac3	0.79254205	macEug2	rheMac3	0.796148
melGal1	rheMac3	1.23067783	melGal1	rheMac3	1.23841063
melUnd1	rheMac3	1.14447095	melUnd1	rheMac3	1.15110717
micMur1	rheMac3	0.25543495	micMur1	rheMac3	0.25712276

mm10	rheMac3	0.51256999	mm10	rheMac3	0.51582669
monDom5	rheMac3	0.79124615	monDom5	rheMac3	0.7935976
myoLuc2	rheMac3	0.37661783	myoLuc2	rheMac3	0.37952622
nomLeu2	rheMac3	0.07060225	nomLeu2	rheMac3	0.07090546
ochPri2	rheMac3	0.46523025	ochPri2	rheMac3	0.4688318
oreNil2	rheMac3	2.17243625	oreNil2	rheMac3	2.18057833
ornAna1	rheMac3	1.01993985	ornAna1	rheMac3	1.0249667
oryCun2	rheMac3	0.37390325	oryCun2	rheMac3	0.3777618
oryLat2	rheMac3	2.19471165	oryLat2	rheMac3	2.20376639
otoGar3	rheMac3	0.29085215	otoGar3	rheMac3	0.29336386
oviAri1	rheMac3	0.40040322	oviAri1	rheMac3	0.40317281
panTro4	rheMac3	0.07190421	panTro4	rheMac3	0.07119058
papHam1	rheMac3	0.01613425	papHam1	rheMac3	0.01572416
ponAbe2	rheMac3	0.07152634	ponAbe2	rheMac3	0.07117376
proCap1	rheMac3	0.44534116	proCap1	rheMac3	0.44826792
pteVam1	rheMac3	0.35348683	pteVam1	rheMac3	0.35500222
rn5	rheMac3	0.51930359	rn5	rheMac3	0.52221289
saiBol1	rheMac3	0.12716975	saiBol1	rheMac3	0.12776866
sarHar1	rheMac3	0.81336005	sarHar1	rheMac3	0.8331518
sorAra1	rheMac3	0.53501432	sorAra1	rheMac3	0.53947765
speTri2	rheMac3	0.33517715	speTri2	rheMac3	0.3382668
susScr3	rheMac3	0.36475355	susScr3	rheMac3	0.3674415
taeGut1	rheMac3	1.22837183	taeGut1	rheMac3	1.23620093
tarSyr1	rheMac3	0.25484445	tarSyr1	rheMac3	0.25742686
tetNig2	rheMac3	2.32226625	tetNig2	rheMac3	2.33008133
triMan1	rheMac3	0.3421991	triMan1	rheMac3	0.34453601
tupBel1	rheMac3	0.33257555	tupBel1	rheMac3	0.33496786
turTru2	rheMac3	0.33074312	turTru2	rheMac3	0.33302821
vicPac1	rheMac3	0.35661472	vicPac1	rheMac3	0.35960161
xenTro3	rheMac3	1.70747485	xenTro3	rheMac3	1.7400967
ailMel1	rn5	0.5835538	ailMel1	rn5	0.58526644
anoCar2	rn5	1.59904484	anoCar2	rn5	1.60675106
bosTau7	rn5	0.61597541	bosTau7	rn5	0.6208065
calJac3	rn5	0.53153064	calJac3	rn5	0.53459313
canFam3	rn5	0.5956205	Clup	rn5	0.61470284
cavPor3	rn5	0.5568031	cavPor3	rn5	0.5613573
choHof1	rn5	0.57430539	choHof1	rn5	0.5771771
chrPic1	rn5	1.21269574	chrPic1	rn5	1.22299559
danRer7	rn5	2.38615254	danRer7	rn5	2.39778428
dasNov3	rn5	0.58892559	dasNov3	rn5	0.5927982
dipOrd1	rn5	0.5054719	dipOrd1	rn5	0.5085271
echTel1	rn5	0.76682109	echTel1	rn5	0.77068029
equCab2	rn5	0.5441803	equCab2	rn5	0.54742364
eriEur1	rn5	0.71456921	eriEur1	rn5	0.71878354
felCat5	rn5	0.5746681	felCat5	rn5	0.57772404
fr3	rn5	2.52104814	fr3	rn5	2.53125222
gadMor1	rn5	2.36495654	gadMor1	rn5	2.35989028
galGal4	rn5	1.43875072	galGal4	rn5	1.44766982
gasAcu1	rn5	2.36005724	gasAcu1	rn5	2.37298448
gorGor3	rn5	0.5161792	gorGor3	rn5	0.51965311
hetGla2	rn5	0.5116593	hetGla2	rn5	0.5152359
hg19	rn5	0.51683256	hg19	rn5	0.51907457
latCha1	rn5	1.64915454	latCha1	rn5	1.66206359
loxAfr3	rn5	0.58712705	loxAfr3	rn5	0.59050761
macEug2	rn5	1.01578194	macEug2	rn5	1.02123289
melGal1	rn5	1.45391772	melGal1	rn5	1.46349552
melUnd1	rn5	1.36771084	melUnd1	rn5	1.37619206
micMur1	rn5	0.51780164	micMur1	rn5	0.52062053
mm10	rn5	0.1778102	mm10	rn5	0.176882
monDom5	rn5	1.01448604	monDom5	rn5	1.01868249
myoLuc2	rn5	0.59985772	myoLuc2	rn5	0.60461111
nomLeu2	rn5	0.51571234	nomLeu2	rn5	0.51938283
ochPri2	rn5	0.66013934	ochPri2	rn5	0.66393109

oreNil2	rn5	2.39567614	oreNil2	rn5	2.40566322
ornAna1	rn5	1.24317974	ornAna1	rn5	1.25005159
oryCun2	rn5	0.56881234	oryCun2	rn5	0.57286109
oryLat2	rn5	2.41795154	oryLat2	rn5	2.42885128
otoGar3	rn5	0.55321884	otoGar3	rn5	0.55686163
oviAri1	rn5	0.62364311	oviAri1	rn5	0.6282577
panTro4	rn5	0.5170143	panTro4	rn5	0.51966795
papHam1	rn5	0.51913894	papHam1	rn5	0.52300833
ponAbe2	rn5	0.51663643	ponAbe2	rn5	0.51965113
proCap1	rn5	0.66858105	proCap1	rn5	0.67335281
pteVam1	rn5	0.57672672	pteVam1	rn5	0.58008711
rheMac3	rn5	0.51930359	rheMac3	rn5	0.52221289
saiBol1	rn5	0.53061224	saiBol1	rn5	0.53375123
sarHar1	rn5	1.03659994	sarHar1	rn5	1.05823669
sorAra1	rn5	0.75825421	sorAra1	rn5	0.76456254
speTri2	rn5	0.47509244	speTri2	rn5	0.47777809
susScr3	rn5	0.58799344	susScr3	rn5	0.59252639
taeGut1	rn5	1.45161172	taeGut1	rn5	1.46128582
tarSyr1	rn5	0.53939314	tarSyr1	rn5	0.54411003
tetNig2	rn5	2.54550614	tetNig2	rn5	2.55516622
triMan1	rn5	0.56543899	triMan1	rn5	0.5696209
tupBel1	rn5	0.56430804	tupBel1	rn5	0.56862503
turTru2	rn5	0.55398301	turTru2	rn5	0.5581131
vicPac1	rn5	0.57985461	vicPac1	rn5	0.5846865
xenTro3	rn5	1.93071474	xenTro3	rn5	1.96518159
ailMel1	saiBol1	0.37162256	ailMel1	saiBol1	0.37171989
anoCar2	saiBol1	1.3871136	anoCar2	saiBol1	1.39320451
bosTau7	saiBol1	0.40404417	bosTau7	saiBol1	0.40725995
calJac3	saiBol1	0.0675626	calJac3	saiBol1	0.0678939
canFam3	saiBol1	0.38368926	Clup	saiBol1	0.40115629
cavPor3	saiBol1	0.44641534	cavPor3	saiBol1	0.45107993
choHof1	saiBol1	0.36237415	choHof1	saiBol1	0.36363055
chrPic1	saiBol1	1.0007645	chrPic1	saiBol1	1.00944904
danRer7	saiBol1	2.1742213	danRer7	saiBol1	2.18423773
dasNov3	saiBol1	0.37699435	dasNov3	saiBol1	0.37925165
dipOrd1	saiBol1	0.44677834	dipOrd1	saiBol1	0.45020013
echTel1	saiBol1	0.55488985	echTel1	saiBol1	0.55713374
equCab2	saiBol1	0.33224906	equCab2	saiBol1	0.33387709
eriEur1	saiBol1	0.50263797	eriEur1	saiBol1	0.50523699
felCat5	saiBol1	0.36273686	felCat5	saiBol1	0.36417749
fr3	saiBol1	2.3091169	fr3	saiBol1	2.31770567
gadMor1	saiBol1	2.1530253	gadMor1	saiBol1	2.14634373
galGal4	saiBol1	1.22681948	galGal4	saiBol1	1.23412327
gasAcu1	saiBol1	2.148126	gasAcu1	saiBol1	2.15943793
gorGor3	saiBol1	0.12404536	gorGor3	saiBol1	0.12520888
hetGla2	saiBol1	0.40127154	hetGla2	saiBol1	0.40495853
hg19	saiBol1	0.12469872	hg19	saiBol1	0.12463034
latCha1	saiBol1	1.4372233	latCha1	saiBol1	1.44851704
loxAfr3	saiBol1	0.37519581	loxAfr3	saiBol1	0.37696106
macEug2	saiBol1	0.8038507	macEug2	saiBol1	0.80768634
melGal1	saiBol1	1.24198648	melGal1	saiBol1	1.24994897
melUnd1	saiBol1	1.1557796	melUnd1	saiBol1	1.16264551
micMur1	saiBol1	0.2667436	micMur1	saiBol1	0.2686611
mm10	saiBol1	0.52387864	mm10	saiBol1	0.52736503
monDom5	saiBol1	0.8025548	monDom5	saiBol1	0.80513594
myoLuc2	saiBol1	0.38792648	myoLuc2	saiBol1	0.39106456
nomLeu2	saiBol1	0.1235785	nomLeu2	saiBol1	0.1249386
ochPri2	saiBol1	0.4765389	ochPri2	saiBol1	0.48037014
oreNil2	saiBol1	2.1837449	oreNil2	saiBol1	2.19211667
ornAna1	saiBol1	1.0312485	ornAna1	saiBol1	1.03650504
oryCun2	saiBol1	0.3852119	oryCun2	saiBol1	0.38930014
oryLat2	saiBol1	2.2060203	oryLat2	saiBol1	2.21530473
otoGar3	saiBol1	0.3021608	otoGar3	saiBol1	0.3049022

oviAri1	saiBol1	0.41171187	oviAri1	saiBol1	0.41471115
panTro4	saiBol1	0.12488046	panTro4	saiBol1	0.12522372
papHam1	saiBol1	0.1270051	papHam1	saiBol1	0.1285641
ponAbe2	saiBol1	0.12450259	ponAbe2	saiBol1	0.1252069
proCap1	saiBol1	0.45664981	proCap1	saiBol1	0.45980626
pteVam1	saiBol1	0.36479548	pteVam1	saiBol1	0.36654056
rheMac3	saiBol1	0.12716975	rheMac3	saiBol1	0.12776866
rn5	saiBol1	0.53061224	rn5	saiBol1	0.53375123
sarHar1	saiBol1	0.8246687	sarHar1	saiBol1	0.84469014
sorAra1	saiBol1	0.54632297	sorAra1	saiBol1	0.55101599
speTri2	saiBol1	0.3464858	speTri2	saiBol1	0.34980514
susScr3	saiBol1	0.3760622	susScr3	saiBol1	0.37897984
taeGut1	saiBol1	1.23968048	taeGut1	saiBol1	1.24773927
tarSyr1	saiBol1	0.2661531	tarSyr1	saiBol1	0.2689652
tetNig2	saiBol1	2.3335749	tetNig2	saiBol1	2.34161967
triMan1	saiBol1	0.35350775	triMan1	saiBol1	0.35607435
tupBel1	saiBol1	0.3438842	tupBel1	saiBol1	0.3465062
turTru2	saiBol1	0.34205177	turTru2	saiBol1	0.34456655
vicPac1	saiBol1	0.36792337	vicPac1	saiBol1	0.37113995
xenTro3	saiBol1	1.7187835	xenTro3	saiBol1	1.75163504
ailMel1	sarHar1	0.83468106	ailMel1	sarHar1	0.85281335
anoCar2	sarHar1	1.3119587	anoCar2	sarHar1	1.33236477
bosTau7	sarHar1	0.86710267	bosTau7	sarHar1	0.88835341
calJac3	sarHar1	0.8255871	calJac3	sarHar1	0.84553204
canFam3	sarHar1	0.84674776	Clup	sarHar1	0.88224975
cavPor3	sarHar1	0.95240304	cavPor3	sarHar1	0.97556539
choHof1	sarHar1	0.77915325	choHof1	sarHar1	0.79856681
chrPic1	sarHar1	0.9256096	chrPic1	sarHar1	0.9486093
danRer7	sarHar1	2.0990664	danRer7	sarHar1	2.12339799
dasNov3	sarHar1	0.79377345	dasNov3	sarHar1	0.81418791
dipOrd1	sarHar1	0.95276604	dipOrd1	sarHar1	0.97468559
echTel1	sarHar1	0.97166895	echTel1	sarHar1	0.99207
equCab2	sarHar1	0.79530756	equCab2	sarHar1	0.81497055
eriEur1	sarHar1	0.96569647	eriEur1	sarHar1	0.98633045
felCat5	sarHar1	0.82579536	felCat5	sarHar1	0.84527095
fr3	sarHar1	2.233962	fr3	sarHar1	2.25686593
gadMor1	sarHar1	2.0778704	gadMor1	sarHar1	2.08550399
galGal4	sarHar1	1.15166458	galGal4	sarHar1	1.17328353
gasAcu1	sarHar1	2.0729711	gasAcu1	sarHar1	2.09859819
gorGor3	sarHar1	0.81023566	gorGor3	sarHar1	0.83059202
hetGla2	sarHar1	0.90725924	hetGla2	sarHar1	0.92944399
hg19	sarHar1	0.81088902	hg19	sarHar1	0.83001348
latCha1	sarHar1	1.3620684	latCha1	sarHar1	1.3876773
loxAfr3	sarHar1	0.79197491	loxAfr3	sarHar1	0.81189732
macEug2	sarHar1	0.244374	macEug2	sarHar1	0.2566738
melGal1	sarHar1	1.16683158	melGal1	sarHar1	1.18910923
melUnd1	sarHar1	1.0806247	melUnd1	sarHar1	1.10180577
micMur1	sarHar1	0.8118581	micMur1	sarHar1	0.83155944
mm10	sarHar1	1.02986634	mm10	sarHar1	1.05185049
monDom5	sarHar1	0.3019399	monDom5	sarHar1	0.3142102
myoLuc2	sarHar1	0.85098498	myoLuc2	sarHar1	0.87215802
nomLeu2	sarHar1	0.8097688	nomLeu2	sarHar1	0.83032174
ochPri2	sarHar1	0.9825266	ochPri2	sarHar1	1.0048556
oreNil2	sarHar1	2.10859	oreNil2	sarHar1	2.13127693
ornAna1	sarHar1	0.9560936	ornAna1	sarHar1	0.9756653
oryCun2	sarHar1	0.8911996	oryCun2	sarHar1	0.9137856
oryLat2	sarHar1	2.1308654	oryLat2	sarHar1	2.15446499
otoGar3	sarHar1	0.8472753	otoGar3	sarHar1	0.86780054
oviAri1	sarHar1	0.87477037	oviAri1	sarHar1	0.89580461
panTro4	sarHar1	0.81107076	panTro4	sarHar1	0.83060686
papHam1	sarHar1	0.8131954	papHam1	sarHar1	0.83394724
ponAbe2	sarHar1	0.81069289	ponAbe2	sarHar1	0.83059004
proCap1	sarHar1	0.87342891	proCap1	sarHar1	0.89474252

pteVam1	sarHar1	0.82785398	pteVam1	sarHar1	0.84763402
rheMac3	sarHar1	0.81336005	rheMac3	sarHar1	0.8331518
rn5	sarHar1	1.03659994	rn5	sarHar1	1.05823669
saiBol1	sarHar1	0.8246687	saiBol1	sarHar1	0.84469014
sorAra1	sarHar1	1.00938147	sorAra1	sarHar1	1.03210945
speTri2	sarHar1	0.8524735	speTri2	sarHar1	0.8742906
susScr3	sarHar1	0.8391207	susScr3	sarHar1	0.8600733
taeGut1	sarHar1	1.16452558	taeGut1	sarHar1	1.18689953
tarSyr1	sarHar1	0.8334496	tarSyr1	sarHar1	0.85504894
tetNig2	sarHar1	2.25842	tetNig2	sarHar1	2.28077993
triMan1	sarHar1	0.77028685	triMan1	sarHar1	0.79101061
tupBel1	sarHar1	0.8583645	tupBel1	sarHar1	0.87956394
turTru2	sarHar1	0.80511027	turTru2	sarHar1	0.82566001
vicPac1	sarHar1	0.83098187	vicPac1	sarHar1	0.85223341
xenTro3	sarHar1	1.6436286	xenTro3	sarHar1	1.6907953
ailMel1	sorAra1	0.49220139	ailMel1	sorAra1	0.4967833
anoCar2	sorAra1	1.57182637	anoCar2	sorAra1	1.58062382
bosTau7	sorAra1	0.53047634	bosTau7	sorAra1	0.53588526
calJac3	sorAra1	0.54724137	calJac3	sorAra1	0.55185789
canFam3	sorAra1	0.50426809	Clup	sorAra1	0.5262197
cavPor3	sorAra1	0.67405731	cavPor3	sorAra1	0.68189124
choHof1	sorAra1	0.54708692	choHof1	sorAra1	0.55104986
chrPic1	sorAra1	1.18547727	chrPic1	sorAra1	1.19686835
danRer7	sorAra1	2.35893407	danRer7	sorAra1	2.37165704
dasNov3	sorAra1	0.56170712	dasNov3	sorAra1	0.56667096
dipOrd1	sorAra1	0.67442031	dipOrd1	sorAra1	0.68101144
echTel1	sorAra1	0.73960262	echTel1	sorAra1	0.74455305
equCab2	sorAra1	0.45282789	equCab2	sorAra1	0.4589405
eriEur1	sorAra1	0.497553	eriEur1	sorAra1	0.502393
felCat5	sorAra1	0.48331569	felCat5	sorAra1	0.4892409
fr3	sorAra1	2.49382967	fr3	sorAra1	2.50512498
gadMor1	sorAra1	2.33773807	gadMor1	sorAra1	2.33376304
galGal4	sorAra1	1.41153225	galGal4	sorAra1	1.42154258
gasAcu1	sorAra1	2.33283877	gasAcu1	sorAra1	2.34685724
gorGor3	sorAra1	0.53188993	gorGor3	sorAra1	0.53691787
hetGla2	sorAra1	0.62891351	hetGla2	sorAra1	0.63576984
hg19	sorAra1	0.53254329	hg19	sorAra1	0.53633933
latCha1	sorAra1	1.62193607	latCha1	sorAra1	1.63593635
loxAfr3	sorAra1	0.55990858	loxAfr3	sorAra1	0.56438037
macEug2	sorAra1	0.98856347	macEug2	sorAra1	0.99510565
melGal1	sorAra1	1.42669925	melGal1	sorAra1	1.43736828
melUnd1	sorAra1	1.34049237	melUnd1	sorAra1	1.35006482
micMur1	sorAra1	0.53351237	micMur1	sorAra1	0.53788529
mm10	sorAra1	0.75152061	mm10	sorAra1	0.75817634
monDom5	sorAra1	0.98726757	monDom5	sorAra1	0.99255525
myoLuc2	sorAra1	0.50850531	myoLuc2	sorAra1	0.51612797
nomLeu2	sorAra1	0.53142307	nomLeu2	sorAra1	0.53664759
ochPri2	sorAra1	0.70418087	ochPri2	sorAra1	0.71118145
oreNil2	sorAra1	2.36845767	oreNil2	sorAra1	2.37953598
ornAna1	sorAra1	1.21596127	ornAna1	sorAra1	1.22392435
oryCun2	sorAra1	0.61285387	oryCun2	sorAra1	0.62011145
oryLat2	sorAra1	2.39073307	oryLat2	sorAra1	2.40272404
otoGar3	sorAra1	0.56892957	otoGar3	sorAra1	0.57412639
oviAri1	sorAra1	0.53814404	oviAri1	sorAra1	0.54333646
panTro4	sorAra1	0.53272503	panTro4	sorAra1	0.53693271
papHam1	sorAra1	0.53484967	papHam1	sorAra1	0.54027309
ponAbe2	sorAra1	0.53234716	ponAbe2	sorAra1	0.53691589
proCap1	sorAra1	0.64136258	proCap1	sorAra1	0.64722557
pteVam1	sorAra1	0.48537431	pteVam1	sorAra1	0.49160397
rheMac3	sorAra1	0.53501432	rheMac3	sorAra1	0.53947765
rn5	sorAra1	0.75825421	rn5	sorAra1	0.76456254
saiBol1	sorAra1	0.54632297	saiBol1	sorAra1	0.55101599
sarHar1	sorAra1	1.00938147	sarHar1	sorAra1	1.03210945

speTri2	sorAra1	0.57412777	speTri2	sorAra1	0.58061645
susScr3	sorAra1	0.50249437	susScr3	sorAra1	0.50760515
taeGut1	sorAra1	1.42439325	taeGut1	sorAra1	1.43515858
tarSyr1	sorAra1	0.55510387	tarSyr1	sorAra1	0.56137479
tetNig2	sorAra1	2.51828767	tetNig2	sorAra1	2.52903898
triMan1	sorAra1	0.53822052	triMan1	sorAra1	0.54349366
tupBel1	sorAra1	0.58001877	tupBel1	sorAra1	0.58588979
turTru2	sorAra1	0.46848394	turTru2	sorAra1	0.47319186
vicPac1	sorAra1	0.49435554	vicPac1	sorAra1	0.49976526
xenTro3	sorAra1	1.90349627	xenTro3	sorAra1	1.93905435
ailMel1	speTri2	0.39942736	ailMel1	speTri2	0.40132035
anoCar2	speTri2	1.4149184	anoCar2	speTri2	1.42280497
bosTau7	speTri2	0.43184897	bosTau7	speTri2	0.43686041
calJac3	speTri2	0.3474042	calJac3	speTri2	0.35064704
canFam3	speTri2	0.41149406	Clup	speTri2	0.43075675
cavPor3	speTri2	0.39089554	cavPor3	speTri2	0.39510679
choHof1	speTri2	0.39017895	choHof1	speTri2	0.39323101
chrPic1	speTri2	1.0285693	chrPic1	speTri2	1.0390495
danRer7	speTri2	2.2020261	danRer7	speTri2	2.21383819
dasNov3	speTri2	0.40479915	dasNov3	speTri2	0.40885211
dipOrd1	speTri2	0.39125854	dipOrd1	speTri2	0.39422699
echTel1	speTri2	0.58269465	echTel1	speTri2	0.5867342
equCab2	speTri2	0.36005386	equCab2	speTri2	0.36347755
eriEur1	speTri2	0.53044277	eriEur1	speTri2	0.53483745
felCat5	speTri2	0.39054166	felCat5	speTri2	0.39377795
fr3	speTri2	2.3369217	fr3	speTri2	2.34730613
gadMor1	speTri2	2.1808301	gadMor1	speTri2	2.17594419
galGal4	speTri2	1.25462428	galGal4	speTri2	1.26372373
gasAcu1	speTri2	2.1759308	gasAcu1	speTri2	2.18903839
gorGor3	speTri2	0.33205276	gorGor3	speTri2	0.33570702
hetGla2	speTri2	0.34575174	hetGla2	speTri2	0.34898539
hg19	speTri2	0.33270612	hg19	speTri2	0.33512848
latCha1	speTri2	1.4650281	latCha1	speTri2	1.4781175
loxAfr3	speTri2	0.40300061	loxAfr3	speTri2	0.40656152
macEug2	speTri2	0.8316555	macEug2	speTri2	0.8372868
melGal1	speTri2	1.26979128	melGal1	speTri2	1.27954943
melUnd1	speTri2	1.1835844	melUnd1	speTri2	1.19224597
micMur1	speTri2	0.3336752	micMur1	speTri2	0.33667444
mm10	speTri2	0.46835884	mm10	speTri2	0.47139189
monDom5	speTri2	0.8303596	monDom5	speTri2	0.8347364
myoLuc2	speTri2	0.41573128	myoLuc2	speTri2	0.42066502
nomLeu2	speTri2	0.3315859	nomLeu2	speTri2	0.33543674
ochPri2	speTri2	0.4760129	ochPri2	speTri2	0.479985
oreNil2	speTri2	2.2115497	oreNil2	speTri2	2.22171713
ornAna1	speTri2	1.0590533	ornAna1	speTri2	1.0661055
oryCun2	speTri2	0.3846859	oryCun2	speTri2	0.388915
oryLat2	speTri2	2.2338251	oryLat2	speTri2	2.24490519
otoGar3	speTri2	0.3690924	otoGar3	speTri2	0.37291554
oviAri1	speTri2	0.43951667	oviAri1	speTri2	0.44431161
panTro4	speTri2	0.33288786	panTro4	speTri2	0.33572186
papHam1	speTri2	0.3350125	papHam1	speTri2	0.33906224
ponAbe2	speTri2	0.33250999	ponAbe2	speTri2	0.33570504
proCap1	speTri2	0.48445461	proCap1	speTri2	0.48940672
pteVam1	speTri2	0.39260028	pteVam1	speTri2	0.39614102
rheMac3	speTri2	0.33517715	rheMac3	speTri2	0.3382668
rn5	speTri2	0.47509244	rn5	speTri2	0.47777809
saiBol1	speTri2	0.3464858	saiBol1	speTri2	0.34980514
sarHar1	speTri2	0.8524735	sarHar1	speTri2	0.8742906
sorAra1	speTri2	0.57412777	sorAra1	speTri2	0.58061645
susScr3	speTri2	0.403867	susScr3	speTri2	0.4085803
taeGut1	speTri2	1.26748528	taeGut1	speTri2	1.27733973
tarSyr1	speTri2	0.3552667	tarSyr1	speTri2	0.36016394
tetNig2	speTri2	2.3613797	tetNig2	speTri2	2.37122013

triMan1	speTri2	0.38131255	triMan1	speTri2	0.38567481
tupBel1	speTri2	0.3801816	tupBel1	speTri2	0.38467894
turTru2	speTri2	0.36985657	turTru2	speTri2	0.37416701
vicPac1	speTri2	0.39572817	vicPac1	speTri2	0.40074041
xenTro3	speTri2	1.7465883	xenTro3	speTri2	1.7812355
ailMel1	susScr3	0.32779396	ailMel1	susScr3	0.32830905
anoCar2	susScr3	1.4015656	anoCar2	susScr3	1.40858767
bosTau7	susScr3	0.27126397	bosTau7	susScr3	0.27337611
calJac3	susScr3	0.3769806	calJac3	susScr3	0.37982174
canFam3	susScr3	0.33986066	Clup	susScr3	0.35774545
cavPor3	susScr3	0.50379654	cavPor3	susScr3	0.50985509
choHof1	susScr3	0.37682615	choHof1	susScr3	0.37901371
chrPic1	susScr3	1.0152165	chrPic1	susScr3	1.0248322
danRer7	susScr3	2.1886733	danRer7	susScr3	2.19962089
dasNov3	susScr3	0.39144635	dasNov3	susScr3	0.39463481
dipOrd1	susScr3	0.50415954	dipOrd1	susScr3	0.50897529
echTel1	susScr3	0.56934185	echTel1	susScr3	0.5725169
equCab2	susScr3	0.28842046	equCab2	susScr3	0.29046625
eriEur1	susScr3	0.45880937	eriEur1	susScr3	0.46182615
felCat5	susScr3	0.31890826	felCat5	susScr3	0.32076665
fr3	susScr3	2.3235689	fr3	susScr3	2.33308883
gadMor1	susScr3	2.1674773	gadMor1	susScr3	2.16172689
galGal4	susScr3	1.24127148	galGal4	susScr3	1.24950643
gasAcu1	susScr3	2.162578	gasAcu1	susScr3	2.17482109
gorGor3	susScr3	0.36162916	gorGor3	susScr3	0.36488172
hetGla2	susScr3	0.45865274	hetGla2	susScr3	0.46373369
hg19	susScr3	0.36228252	hg19	susScr3	0.36430318
latCha1	susScr3	1.4516753	latCha1	susScr3	1.4639002
loxAfr3	susScr3	0.38964781	loxAfr3	susScr3	0.39234422
macEug2	susScr3	0.8183027	macEug2	susScr3	0.8230695
melGal1	susScr3	1.25643848	melGal1	susScr3	1.26533213
melUnd1	susScr3	1.1702316	melUnd1	susScr3	1.17802867
micMur1	susScr3	0.3632516	micMur1	susScr3	0.36584914
mm10	susScr3	0.58125984	mm10	susScr3	0.58614019
monDom5	susScr3	0.8170068	monDom5	susScr3	0.8205191
myoLuc2	susScr3	0.34409788	myoLuc2	susScr3	0.34765372
nomLeu2	susScr3	0.3611623	nomLeu2	susScr3	0.36461144
ochPri2	susScr3	0.5339201	ochPri2	susScr3	0.5391453
oreNil2	susScr3	2.1981969	oreNil2	susScr3	2.20749983
ornAna1	susScr3	1.0457005	ornAna1	susScr3	1.0518882
oryCun2	susScr3	0.4425931	oryCun2	susScr3	0.4480753
oryLat2	susScr3	2.2204723	oryLat2	susScr3	2.23068789
otoGar3	susScr3	0.3986688	otoGar3	susScr3	0.40209024
oviAri1	susScr3	0.27893167	oviAri1	susScr3	0.28082731
panTro4	susScr3	0.36246426	panTro4	susScr3	0.36489656
papHam1	susScr3	0.3645889	papHam1	susScr3	0.36823694
ponAbe2	susScr3	0.36208639	ponAbe2	susScr3	0.36487974
proCap1	susScr3	0.47110181	proCap1	susScr3	0.47518942
pteVam1	susScr3	0.32096688	pteVam1	susScr3	0.32312972
rheMac3	susScr3	0.36475355	rheMac3	susScr3	0.3674415
rn5	susScr3	0.58799344	rn5	susScr3	0.59252639
saiBol1	susScr3	0.3760622	saiBol1	susScr3	0.37897984
sarHar1	susScr3	0.8391207	sarHar1	susScr3	0.8600733
sorAra1	susScr3	0.50249437	sorAra1	susScr3	0.50760515
speTri2	susScr3	0.403867	speTri2	susScr3	0.4085803
taeGut1	susScr3	1.25413248	taeGut1	susScr3	1.26312243
tarSyr1	susScr3	0.3848431	tarSyr1	susScr3	0.38933864
tetNig2	susScr3	2.3480269	tetNig2	susScr3	2.35700283
triMan1	susScr3	0.36795975	triMan1	susScr3	0.37145751
tupBel1	susScr3	0.409758	tupBel1	susScr3	0.41385364
turTru2	susScr3	0.20927157	turTru2	susScr3	0.21068271
vicPac1	susScr3	0.23514317	vicPac1	susScr3	0.23725611
xenTro3	susScr3	1.7332355	xenTro3	susScr3	1.7670182

ailMel1	taeGut1	1.24969284	ailMel1	taeGut1	1.25586248
anoCar2	taeGut1	1.00293888	anoCar2	taeGut1	1.00991876
bosTau7	taeGut1	1.28211445	bosTau7	taeGut1	1.29140254
calJac3	taeGut1	1.24059888	calJac3	taeGut1	1.24858117
canFam3	taeGut1	1.26175954	Clup	taeGut1	1.28529888
cavPor3	taeGut1	1.36741482	cavPor3	taeGut1	1.37861452
choHof1	taeGut1	1.19416503	choHof1	taeGut1	1.20161594
chrPic1	taeGut1	0.64223398	chrPic1	taeGut1	0.64221423
danRer7	taeGut1	2.08971278	danRer7	taeGut1	2.09353292
dasNov3	taeGut1	1.20878523	dasNov3	taeGut1	1.21723704
dipOrd1	taeGut1	1.36777782	dipOrd1	taeGut1	1.37773472
echTel1	taeGut1	1.38668073	echTel1	taeGut1	1.39511913
equCab2	taeGut1	1.21031934	equCab2	taeGut1	1.21801968
eriEur1	taeGut1	1.38070825	eriEur1	taeGut1	1.38937958
felCat5	taeGut1	1.24080714	felCat5	taeGut1	1.24832008
fr3	taeGut1	2.22460838	fr3	taeGut1	2.22700086
gadMor1	taeGut1	2.06851678	gadMor1	taeGut1	2.05563892
galGal4	taeGut1	0.392501	galGal4	taeGut1	0.394084
gasAcu1	taeGut1	2.06361748	gasAcu1	taeGut1	2.06873312
gorGor3	taeGut1	1.22524744	gorGor3	taeGut1	1.23364115
hetGla2	taeGut1	1.32227102	hetGla2	taeGut1	1.33249312
hg19	taeGut1	1.2259008	hg19	taeGut1	1.23306261
latCha1	taeGut1	1.35271478	latCha1	taeGut1	1.35781223
loxAfr3	taeGut1	1.20698669	loxAfr3	taeGut1	1.21494645
macEug2	taeGut1	1.14370758	macEug2	taeGut1	1.14989573
melGal1	taeGut1	0.407668	melGal1	taeGut1	0.4099097
melUnd1	taeGut1	0.33944888	melUnd1	taeGut1	0.34046976
micMur1	taeGut1	1.22686988	micMur1	taeGut1	1.23460857
mm10	taeGut1	1.44487812	mm10	taeGut1	1.45489962
monDom5	taeGut1	1.14241168	monDom5	taeGut1	1.14734533
myoLuc2	taeGut1	1.26599676	myoLuc2	taeGut1	1.27520715
nomLeu2	taeGut1	1.22478058	nomLeu2	taeGut1	1.23337087
ochPri2	taeGut1	1.39753838	ochPri2	taeGut1	1.40790473
oreNil2	taeGut1	2.09923638	oreNil2	taeGut1	2.10141186
ornAna1	taeGut1	1.21693198	ornAna1	taeGut1	1.22133823
oryCun2	taeGut1	1.30621138	oryCun2	taeGut1	1.31683473
oryLat2	taeGut1	2.12151178	oryLat2	taeGut1	2.12459992
otoGar3	taeGut1	1.26228708	otoGar3	taeGut1	1.27084967
oviAri1	taeGut1	1.28978215	oviAri1	taeGut1	1.29885374
panTro4	taeGut1	1.22608254	panTro4	taeGut1	1.23365599
papHam1	taeGut1	1.22820718	papHam1	taeGut1	1.23699637
ponAbe2	taeGut1	1.22570467	ponAbe2	taeGut1	1.23363917
proCap1	taeGut1	1.28844069	proCap1	taeGut1	1.29779165
pteVam1	taeGut1	1.24286576	pteVam1	taeGut1	1.25068315
rheMac3	taeGut1	1.22837183	rheMac3	taeGut1	1.23620093
rn5	taeGut1	1.45161172	rn5	taeGut1	1.46128582
saiBol1	taeGut1	1.23968048	saiBol1	taeGut1	1.24773927
sarHar1	taeGut1	1.16452558	sarHar1	taeGut1	1.18689953
sorAra1	taeGut1	1.42439325	sorAra1	taeGut1	1.43515858
speTri2	taeGut1	1.26748528	speTri2	taeGut1	1.27733973
susScr3	taeGut1	1.25413248	susScr3	taeGut1	1.26312243
tarSyr1	taeGut1	1.24846138	tarSyr1	taeGut1	1.25809807
tetNig2	taeGut1	2.24906638	tetNig2	taeGut1	2.25091486
triMan1	taeGut1	1.18529863	triMan1	taeGut1	1.19405974
tupBel1	taeGut1	1.27337628	tupBel1	taeGut1	1.28261307
turTru2	taeGut1	1.22012205	turTru2	taeGut1	1.22870914
vicPac1	taeGut1	1.24599365	vicPac1	taeGut1	1.25528254
xenTro3	taeGut1	1.63427498	xenTro3	taeGut1	1.66093023
ailMel1	tarSyr1	0.38040346	ailMel1	tarSyr1	0.38207869
anoCar2	tarSyr1	1.3958945	anoCar2	tarSyr1	1.40356331
bosTau7	tarSyr1	0.41282507	bosTau7	tarSyr1	0.41761875
calJac3	tarSyr1	0.2670715	calJac3	tarSyr1	0.2698071
canFam3	tarSyr1	0.39247016	Clup	tarSyr1	0.41151509

cavPor3	tarSyr1	0.45519624	cavPor3	tarSyr1	0.46143873
choHof1	tarSyr1	0.37115505	choHof1	tarSyr1	0.37398935
chrPic1	tarSyr1	1.0095454	chrPic1	tarSyr1	1.01980784
danRer7	tarSyr1	2.1830022	danRer7	tarSyr1	2.19459653
dasNov3	tarSyr1	0.38577525	dasNov3	tarSyr1	0.38961045
dipOrd1	tarSyr1	0.45555924	dipOrd1	tarSyr1	0.46055893
echTel1	tarSyr1	0.56367075	echTel1	tarSyr1	0.56749254
equCab2	tarSyr1	0.34102996	equCab2	tarSyr1	0.34423589
eriEur1	tarSyr1	0.51141887	eriEur1	tarSyr1	0.51559579
felCat5	tarSyr1	0.37151776	felCat5	tarSyr1	0.37453629
fr3	tarSyr1	2.3178978	fr3	tarSyr1	2.32806447
gadMor1	tarSyr1	2.1618062	gadMor1	tarSyr1	2.15670253
galGal4	tarSyr1	1.23560038	galGal4	tarSyr1	1.24448207
gasAcu1	tarSyr1	2.1569069	gasAcu1	tarSyr1	2.16979673
gorGor3	tarSyr1	0.25172006	gorGor3	tarSyr1	0.25486708
hetGla2	tarSyr1	0.41005244	hetGla2	tarSyr1	0.41531733
hg19	tarSyr1	0.25237342	hg19	tarSyr1	0.25428854
latCha1	tarSyr1	1.4460042	latCha1	tarSyr1	1.45887584
loxAfr3	tarSyr1	0.38397671	loxAfr3	tarSyr1	0.38731986
macEug2	tarSyr1	0.8126316	macEug2	tarSyr1	0.81804514
melGal1	tarSyr1	1.25076738	melGal1	tarSyr1	1.26030777
melUnd1	tarSyr1	1.1645605	melUnd1	tarSyr1	1.17300431
micMur1	tarSyr1	0.2755245	micMur1	tarSyr1	0.2790199
mm10	tarSyr1	0.53265954	mm10	tarSyr1	0.53772383
monDom5	tarSyr1	0.8113357	monDom5	tarSyr1	0.81549474
myoLuc2	tarSyr1	0.39670738	myoLuc2	tarSyr1	0.40142336
nomLeu2	tarSyr1	0.2512532	nomLeu2	tarSyr1	0.2545968
ochPri2	tarSyr1	0.4853198	ochPri2	tarSyr1	0.49072894
oreNil2	tarSyr1	2.1925258	oreNil2	tarSyr1	2.20247547
ornAna1	tarSyr1	1.0400294	ornAna1	tarSyr1	1.04686384
oryCun2	tarSyr1	0.3939928	oryCun2	tarSyr1	0.39965894
oryLat2	tarSyr1	2.2148012	oryLat2	tarSyr1	2.22566353
otoGar3	tarSyr1	0.3109417	otoGar3	tarSyr1	0.315261
oviAri1	tarSyr1	0.42049277	oviAri1	tarSyr1	0.42506995
panTro4	tarSyr1	0.25255516	panTro4	tarSyr1	0.25488192
papHam1	tarSyr1	0.2546798	papHam1	tarSyr1	0.2582223
ponAbe2	tarSyr1	0.25217729	ponAbe2	tarSyr1	0.2548651
proCap1	tarSyr1	0.46543071	proCap1	tarSyr1	0.47016506
pteVam1	tarSyr1	0.37357638	pteVam1	tarSyr1	0.37689936
rheMac3	tarSyr1	0.25484445	rheMac3	tarSyr1	0.25742686
rn5	tarSyr1	0.53939314	rn5	tarSyr1	0.54411003
saiBol1	tarSyr1	0.2661531	saiBol1	tarSyr1	0.2689652
sarHar1	tarSyr1	0.8334496	sarHar1	tarSyr1	0.85504894
sorAra1	tarSyr1	0.55510387	sorAra1	tarSyr1	0.56137479
speTri2	tarSyr1	0.3552667	speTri2	tarSyr1	0.36016394
susScr3	tarSyr1	0.3848431	susScr3	tarSyr1	0.38933864
taeGut1	tarSyr1	1.24846138	taeGut1	tarSyr1	1.25809807
tetNig2	tarSyr1	2.3423558	tetNig2	tarSyr1	2.35197847
triMan1	tarSyr1	0.36228865	triMan1	tarSyr1	0.36643315
tupBel1	tarSyr1	0.3526651	tupBel1	tarSyr1	0.356865
turTru2	tarSyr1	0.35083267	turTru2	tarSyr1	0.35492535
vicPac1	tarSyr1	0.37670427	vicPac1	tarSyr1	0.38149875
xenTro3	tarSyr1	1.7275644	xenTro3	tarSyr1	1.76199384
ailMel1	tetNig2	2.34358726	ailMel1	tetNig2	2.34974288
anoCar2	tetNig2	2.3964995	anoCar2	tetNig2	2.3963801
bosTau7	tetNig2	2.37600887	bosTau7	tetNig2	2.38528294
calJac3	tetNig2	2.3344933	calJac3	tetNig2	2.34246157
canFam3	tetNig2	2.35565396	Clup	tetNig2	2.37917928
cavPor3	tetNig2	2.46130924	cavPor3	tetNig2	2.47249492
choHof1	tetNig2	2.28805945	choHof1	tetNig2	2.29549634
chrPic1	tetNig2	2.0101504	chrPic1	tetNig2	2.01262463
danRer7	tetNig2	1.6660056	danRer7	tetNig2	1.69848794
dasNov3	tetNig2	2.30267965	dasNov3	tetNig2	2.31111744

dipOrd1	tetNig2	2.46167224	dipOrd1	tetNig2	2.47161512
echTel1	tetNig2	2.48057515	echTel1	tetNig2	2.48899953
equCab2	tetNig2	2.30421376	equCab2	tetNig2	2.31190008
eriEur1	tetNig2	2.47460267	eriEur1	tetNig2	2.48325998
felCat5	tetNig2	2.33470156	felCat5	tetNig2	2.34220048
fr3	tetNig2	0.421968	fr3	tetNig2	0.424098
gadMor1	tetNig2	1.3061056	gadMor1	tetNig2	1.31207794
galGal4	tetNig2	2.23620538	galGal4	tetNig2	2.23729886
gasAcu1	tetNig2	0.8151309	gasAcu1	tetNig2	0.81572174
gorGor3	tetNig2	2.31914186	gorGor3	tetNig2	2.32752155
hetGla2	tetNig2	2.41616544	hetGla2	tetNig2	2.42637352
hg19	tetNig2	2.31979522	hg19	tetNig2	2.32694301
latCha1	tetNig2	2.0902636	latCha1	tetNig2	2.15440263
loxAfr3	tetNig2	2.30088111	loxAfr3	tetNig2	2.30882685
macEug2	tetNig2	2.237602	macEug2	tetNig2	2.24377613
melGal1	tetNig2	2.25137238	melGal1	tetNig2	2.25312456
melUnd1	tetNig2	2.1651655	melUnd1	tetNig2	2.1658211
micMur1	tetNig2	2.3207643	micMur1	tetNig2	2.32848897
mm10	tetNig2	2.53877254	mm10	tetNig2	2.54878002
monDom5	tetNig2	2.2363061	monDom5	tetNig2	2.24122573
myoLuc2	tetNig2	2.35989118	myoLuc2	tetNig2	2.36908755
nomLeu2	tetNig2	2.318675	nomLeu2	tetNig2	2.32725127
ochPri2	tetNig2	2.4914328	ochPri2	tetNig2	2.50178513
oreNil2	tetNig2	0.82281	oreNil2	tetNig2	0.831719
ornAna1	tetNig2	2.3108264	ornAna1	tetNig2	2.31521863
oryCun2	tetNig2	2.4001058	oryCun2	tetNig2	2.41071513
oryLat2	tetNig2	0.9877646	oryLat2	tetNig2	0.98909294
otoGar3	tetNig2	2.3561815	otoGar3	tetNig2	2.36473007
oviAri1	tetNig2	2.38367657	oviAri1	tetNig2	2.39273414
panTro4	tetNig2	2.31997696	panTro4	tetNig2	2.32753639
papHam1	tetNig2	2.3221016	papHam1	tetNig2	2.33087677
ponAbe2	tetNig2	2.31959909	ponAbe2	tetNig2	2.32751957
proCap1	tetNig2	2.38233511	proCap1	tetNig2	2.39167205
pteVam1	tetNig2	2.33676018	pteVam1	tetNig2	2.34456355
rheMac3	tetNig2	2.32226625	rheMac3	tetNig2	2.33008133
rn5	tetNig2	2.54550614	rn5	tetNig2	2.55516622
saiBol1	tetNig2	2.3335749	saiBol1	tetNig2	2.34161967
sarHar1	tetNig2	2.25842	sarHar1	tetNig2	2.28077993
sorAra1	tetNig2	2.51828767	sorAra1	tetNig2	2.52903898
speTri2	tetNig2	2.3613797	speTri2	tetNig2	2.37122013
susScr3	tetNig2	2.3480269	susScr3	tetNig2	2.35700283
taeGut1	tetNig2	2.24906638	taeGut1	tetNig2	2.25091486
tarSyr1	tetNig2	2.3423558	tarSyr1	tetNig2	2.35197847
triMan1	tetNig2	2.27919305	triMan1	tetNig2	2.28794014
tupBel1	tetNig2	2.3672707	tupBel1	tetNig2	2.37649347
turTru2	tetNig2	2.31401647	turTru2	tetNig2	2.32258954
vicPac1	tetNig2	2.33988807	vicPac1	tetNig2	2.34916294
xenTro3	tetNig2	2.5011154	xenTro3	tetNig2	2.48058863
ailMel1	triMan1	0.36352011	ailMel1	triMan1	0.36419756
anoCar2	triMan1	1.33273175	anoCar2	triMan1	1.33952498
bosTau7	triMan1	0.39594172	bosTau7	triMan1	0.39973762
calJac3	triMan1	0.35442615	calJac3	triMan1	0.35691625
canFam3	triMan1	0.37558681	Clup	triMan1	0.39363396
cavPor3	triMan1	0.48124209	cavPor3	triMan1	0.4869496
choHof1	triMan1	0.29321	choHof1	triMan1	0.2954564
chrPic1	triMan1	0.94638265	chrPic1	triMan1	0.95576951
danRer7	triMan1	2.11983945	danRer7	triMan1	2.1305582
dasNov3	triMan1	0.3078302	dasNov3	triMan1	0.3110775
dipOrd1	triMan1	0.48160509	dipOrd1	triMan1	0.4860698
echTel1	triMan1	0.3385171	echTel1	triMan1	0.34050579
equCab2	triMan1	0.32414661	equCab2	triMan1	0.32635476
eriEur1	triMan1	0.49453552	eriEur1	triMan1	0.49771466
felCat5	triMan1	0.35463441	felCat5	triMan1	0.35665516

fr3	triMan1	2.25473505	fr3	triMan1	2.26402614
gadMor1	triMan1	2.09864345	gadMor1	triMan1	2.0926642
galGal4	triMan1	1.17243763	galGal4	triMan1	1.18044374
gasAcu1	triMan1	2.09374415	gasAcu1	triMan1	2.1057584
gorGor3	triMan1	0.33907471	gorGor3	triMan1	0.34197623
hetGla2	triMan1	0.43609829	hetGla2	triMan1	0.4408282
hg19	triMan1	0.33972807	hg19	triMan1	0.34139769
latCha1	triMan1	1.38284145	latCha1	triMan1	1.39483751
loxAfr3	triMan1	0.15882306	loxAfr3	triMan1	0.16033311
macEug2	triMan1	0.74946885	macEug2	triMan1	0.75400681
melGal1	triMan1	1.18760463	melGal1	triMan1	1.19626944
melUnd1	triMan1	1.10139775	melUnd1	triMan1	1.10896598
micMur1	triMan1	0.34069715	micMur1	triMan1	0.34294365
mm10	triMan1	0.55870539	mm10	triMan1	0.5632347
monDom5	triMan1	0.74817295	monDom5	triMan1	0.75145641
myoLuc2	triMan1	0.37982403	myoLuc2	triMan1	0.38354223
nomLeu2	triMan1	0.33860785	nomLeu2	triMan1	0.34170595
ochPri2	triMan1	0.51136565	ochPri2	triMan1	0.51623981
oreNil2	triMan1	2.12936305	oreNil2	triMan1	2.13843714
ornAna1	triMan1	0.97686665	ornAna1	triMan1	0.98282551
oryCun2	triMan1	0.42003865	oryCun2	triMan1	0.42516981
oryLat2	triMan1	2.15163845	oryLat2	triMan1	2.1616252
otoGar3	triMan1	0.37611435	otoGar3	triMan1	0.37918475
oviAri1	triMan1	0.40360942	oviAri1	triMan1	0.40718882
panTro4	triMan1	0.33990981	panTro4	triMan1	0.34199107
papHam1	triMan1	0.34203445	papHam1	triMan1	0.34533145
ponAbe2	triMan1	0.33953194	ponAbe2	triMan1	0.34197425
proCap1	triMan1	0.24027706	proCap1	triMan1	0.24317831
pteVam1	triMan1	0.35669303	pteVam1	triMan1	0.35901823
rheMac3	triMan1	0.3421991	rheMac3	triMan1	0.34453601
rn5	triMan1	0.56543899	rn5	triMan1	0.5696209
saiBol1	triMan1	0.35350775	saiBol1	triMan1	0.35607435
sarHar1	triMan1	0.77028685	sarHar1	triMan1	0.79101061
sorAra1	triMan1	0.53822052	sorAra1	triMan1	0.54349366
speTri2	triMan1	0.38131255	speTri2	triMan1	0.38567481
susScr3	triMan1	0.36795975	susScr3	triMan1	0.37145751
taeGut1	triMan1	1.18529863	taeGut1	triMan1	1.19405974
tarSyr1	triMan1	0.36228865	tarSyr1	triMan1	0.36643315
tetNig2	triMan1	2.27919305	tetNig2	triMan1	2.28794014
tupBel1	triMan1	0.38720355	tupBel1	triMan1	0.39094815
turTru2	triMan1	0.33394932	turTru2	triMan1	0.33704422
vicPac1	triMan1	0.35982092	vicPac1	triMan1	0.36361762
xenTro3	triMan1	1.66440165	xenTro3	triMan1	1.69795551
ailMel1	tupBel1	0.40531836	ailMel1	tupBel1	0.40659369
anoCar2	tupBel1	1.4208094	anoCar2	tupBel1	1.42807831
bosTau7	tupBel1	0.43773997	bosTau7	tupBel1	0.44213375
calJac3	tupBel1	0.3448026	calJac3	tupBel1	0.3473481
canFam3	tupBel1	0.41738506	Clup	tupBel1	0.43603009
cavPor3	tupBel1	0.48011114	cavPor3	tupBel1	0.48595373
choHof1	tupBel1	0.39606995	choHof1	tupBel1	0.39850435
chrPic1	tupBel1	1.0344603	chrPic1	tupBel1	1.04432284
danRer7	tupBel1	2.2079171	danRer7	tupBel1	2.21911153
dasNov3	tupBel1	0.41069015	dasNov3	tupBel1	0.41412545
dipOrd1	tupBel1	0.48047414	dipOrd1	tupBel1	0.48507393
echTel1	tupBel1	0.58858565	echTel1	tupBel1	0.59200754
equCab2	tupBel1	0.36594486	equCab2	tupBel1	0.36875089
eriEur1	tupBel1	0.53633377	eriEur1	tupBel1	0.54011079
felCat5	tupBel1	0.39643266	felCat5	tupBel1	0.39905129
fr3	tupBel1	2.3428127	fr3	tupBel1	2.35257947
gadMor1	tupBel1	2.1867211	gadMor1	tupBel1	2.18121753
galGal4	tupBel1	1.26051528	galGal4	tupBel1	1.26899707
gasAcu1	tupBel1	2.1818218	gasAcu1	tupBel1	2.19431173
gorGor3	tupBel1	0.32945116	gorGor3	tupBel1	0.33240808

hetGla2	tupBel1	0.43496734	hetGla2	tupBel1	0.43983233
hg19	tupBel1	0.33010452	hg19	tupBel1	0.33182954
latCha1	tupBel1	1.4709191	latCha1	tupBel1	1.48339084
loxAfr3	tupBel1	0.40889161	loxAfr3	tupBel1	0.41183486
macEug2	tupBel1	0.8375465	macEug2	tupBel1	0.84256014
melGal1	tupBel1	1.27568228	melGal1	tupBel1	1.28482277
melUnd1	tupBel1	1.1894754	melUnd1	tupBel1	1.19751931
micMur1	tupBel1	0.3310736	micMur1	tupBel1	0.3333755
mm10	tupBel1	0.55757444	mm10	tupBel1	0.56223883
monDom5	tupBel1	0.8362506	monDom5	tupBel1	0.84000974
myoLuc2	tupBel1	0.42162228	myoLuc2	tupBel1	0.42593836
nomLeu2	tupBel1	0.3289843	nomLeu2	tupBel1	0.3321378
ochPri2	tupBel1	0.5102347	ochPri2	tupBel1	0.51524394
oreNil2	tupBel1	2.2174407	oreNil2	tupBel1	2.22699047
ornAna1	tupBel1	1.0649443	ornAna1	tupBel1	1.07137884
oryCun2	tupBel1	0.4189077	oryCun2	tupBel1	0.42417394
oryLat2	tupBel1	2.2397161	oryLat2	tupBel1	2.25017853
otoGar3	tupBel1	0.3664908	otoGar3	tupBel1	0.3696166
oviAri1	tupBel1	0.44540767	oviAri1	tupBel1	0.44958495
panTro4	tupBel1	0.33028626	panTro4	tupBel1	0.33242292
papHam1	tupBel1	0.3324109	papHam1	tupBel1	0.3357633
ponAbe2	tupBel1	0.32990839	ponAbe2	tupBel1	0.3324061
proCap1	tupBel1	0.49034561	proCap1	tupBel1	0.49468006
pteVam1	tupBel1	0.39849128	pteVam1	tupBel1	0.40141436
rheMac3	tupBel1	0.33257555	rheMac3	tupBel1	0.33496786
rn5	tupBel1	0.56430804	rn5	tupBel1	0.56862503
saiBol1	tupBel1	0.3438842	saiBol1	tupBel1	0.3465062
sarHar1	tupBel1	0.8583645	sarHar1	tupBel1	0.87956394
sorAra1	tupBel1	0.58001877	sorAra1	tupBel1	0.58588979
speTri2	tupBel1	0.3801816	speTri2	tupBel1	0.38467894
susScr3	tupBel1	0.409758	susScr3	tupBel1	0.41385364
taeGut1	tupBel1	1.27337628	taeGut1	tupBel1	1.28261307
tarSyr1	tupBel1	0.3526651	tarSyr1	tupBel1	0.356865
tetNig2	tupBel1	2.3672707	tetNig2	tupBel1	2.37649347
triMan1	tupBel1	0.38720355	triMan1	tupBel1	0.39094815
turTru2	tupBel1	0.37574757	turTru2	tupBel1	0.37944035
vicPac1	tupBel1	0.40161917	vicPac1	tupBel1	0.40601375
xenTro3	tupBel1	1.7524793	xenTro3	tupBel1	1.78650884
ailMel1	turTru2	0.29378353	ailMel1	turTru2	0.29389576
anoCar2	turTru2	1.36755517	anoCar2	turTru2	1.37417438
bosTau7	turTru2	0.189143	bosTau7	turTru2	0.1908908
calJac3	turTru2	0.34297017	calJac3	turTru2	0.34540845
canFam3	turTru2	0.30585023	Clup	turTru2	0.32333216
cavPor3	turTru2	0.46978611	cavPor3	turTru2	0.4754418
choHof1	turTru2	0.34281572	choHof1	turTru2	0.34460042
chrPic1	turTru2	0.98120607	chrPic1	turTru2	0.99041891
danRer7	turTru2	2.15466287	danRer7	turTru2	2.1652076
dasNov3	turTru2	0.35743592	dasNov3	turTru2	0.36022152
dipOrd1	turTru2	0.47014911	dipOrd1	turTru2	0.474562
echTel1	turTru2	0.53533142	echTel1	turTru2	0.53810361
equCab2	turTru2	0.25441003	equCab2	turTru2	0.25605296
eriEur1	turTru2	0.42479894	eriEur1	turTru2	0.42741286
felCat5	turTru2	0.28489783	felCat5	turTru2	0.28635336
fr3	turTru2	2.28955847	fr3	turTru2	2.29867554
gadMor1	turTru2	2.13346687	gadMor1	turTru2	2.1273136
galGal4	turTru2	1.20726105	galGal4	turTru2	1.21509314
gasAcu1	turTru2	2.12856757	gasAcu1	turTru2	2.1404078
gorGor3	turTru2	0.32761873	gorGor3	turTru2	0.33046843
hetGla2	turTru2	0.42464231	hetGla2	turTru2	0.4293204
hg19	turTru2	0.32827209	hg19	turTru2	0.32988989
latCha1	turTru2	1.41766487	latCha1	turTru2	1.42948691
loxAfr3	turTru2	0.35563738	loxAfr3	turTru2	0.35793093
macEug2	turTru2	0.78429227	macEug2	turTru2	0.78865621

melGal1	turTru2	1.22242805	melGal1	turTru2	1.23091884
melUnd1	turTru2	1.13622117	melUnd1	turTru2	1.14361538
micMur1	turTru2	0.32924117	micMur1	turTru2	0.33143585
mm10	turTru2	0.54724941	mm10	turTru2	0.5517269
monDom5	turTru2	0.78299637	monDom5	turTru2	0.78610581
myoLuc2	turTru2	0.31008745	myoLuc2	turTru2	0.31324043
nomLeu2	turTru2	0.32715187	nomLeu2	turTru2	0.33019815
ochPri2	turTru2	0.49990967	ochPri2	turTru2	0.50473201
oreNil2	turTru2	2.16418647	oreNil2	turTru2	2.17308654
ornAna1	turTru2	1.01169007	ornAna1	turTru2	1.01747491
oryCun2	turTru2	0.40858267	oryCun2	turTru2	0.41366201
oryLat2	turTru2	2.18646187	oryLat2	turTru2	2.1962746
otoGar3	turTru2	0.36465837	otoGar3	turTru2	0.36767695
oviAri1	turTru2	0.1968107	oviAri1	turTru2	0.198342
panTro4	turTru2	0.32845383	panTro4	turTru2	0.33048327
papHam1	turTru2	0.33057847	papHam1	turTru2	0.33382365
ponAbe2	turTru2	0.32807596	ponAbe2	turTru2	0.33046645
proCap1	turTru2	0.43709138	proCap1	turTru2	0.44077613
pteVam1	turTru2	0.28695645	pteVam1	turTru2	0.28871643
rheMac3	turTru2	0.33074312	rheMac3	turTru2	0.33302821
rn5	turTru2	0.55398301	rn5	turTru2	0.5581131
saiBol1	turTru2	0.34205177	saiBol1	turTru2	0.34456655
sarHar1	turTru2	0.80511027	sarHar1	turTru2	0.82566001
sorAra1	turTru2	0.46848394	sorAra1	turTru2	0.47319186
speTri2	turTru2	0.36985657	speTri2	turTru2	0.37416701
susScr3	turTru2	0.20927157	susScr3	turTru2	0.21068271
taeGut1	turTru2	1.22012205	taeGut1	turTru2	1.22870914
tarSyr1	turTru2	0.35083267	tarSyr1	turTru2	0.35492535
tetNig2	turTru2	2.31401647	tetNig2	turTru2	2.32258954
triMan1	turTru2	0.33394932	triMan1	turTru2	0.33704422
tupBel1	turTru2	0.37574757	tupBel1	turTru2	0.37944035
vicPac1	turTru2	0.1937644	vicPac1	turTru2	0.1957366
xenTro3	turTru2	1.69922507	xenTro3	turTru2	1.73260491
ailMel1	vicPac1	0.31965513	ailMel1	vicPac1	0.32046916
anoCar2	vicPac1	1.39342677	anoCar2	vicPac1	1.40074778
bosTau7	vicPac1	0.2557568	bosTau7	vicPac1	0.25843
calJac3	vicPac1	0.36884177	calJac3	vicPac1	0.37198185
canFam3	vicPac1	0.33172183	Clup	vicPac1	0.34990556
cavPor3	vicPac1	0.49565771	cavPor3	vicPac1	0.5020152
choHof1	vicPac1	0.36868732	choHof1	vicPac1	0.37117382
chrPic1	vicPac1	1.00707767	chrPic1	vicPac1	1.01699231
danRer7	vicPac1	2.18053447	danRer7	vicPac1	2.191781
dasNov3	vicPac1	0.38330752	dasNov3	vicPac1	0.38679492
dipOrd1	vicPac1	0.49602071	dipOrd1	vicPac1	0.5011354
echTel1	vicPac1	0.56120302	echTel1	vicPac1	0.56467701
equCab2	vicPac1	0.28028163	equCab2	vicPac1	0.28262636
eriEur1	vicPac1	0.45067054	eriEur1	vicPac1	0.45398626
felCat5	vicPac1	0.31076943	felCat5	vicPac1	0.31292676
fr3	vicPac1	2.31543007	fr3	vicPac1	2.32524894
gadMor1	vicPac1	2.15933847	gadMor1	vicPac1	2.153887
galGal4	vicPac1	1.23313265	galGal4	vicPac1	1.24166654
gasAcu1	vicPac1	2.15443917	gasAcu1	vicPac1	2.1669812
gorGor3	vicPac1	0.35349033	gorGor3	vicPac1	0.35704183
hetGla2	vicPac1	0.45051391	hetGla2	vicPac1	0.4558938
hg19	vicPac1	0.35414369	hg19	vicPac1	0.35646329
latCha1	vicPac1	1.44353647	latCha1	vicPac1	1.45606031
loxAfr3	vicPac1	0.38150898	loxAfr3	vicPac1	0.38450433
macEug2	vicPac1	0.81016387	macEug2	vicPac1	0.81522961
melGal1	vicPac1	1.24829965	melGal1	vicPac1	1.25749224
melUnd1	vicPac1	1.16209277	melUnd1	vicPac1	1.17018878
micMur1	vicPac1	0.35511277	micMur1	vicPac1	0.35800925
mm10	vicPac1	0.57312101	mm10	vicPac1	0.5783003
monDom5	vicPac1	0.80886797	monDom5	vicPac1	0.81267921

myoLuc2	vicPac1	0.33595905	myoLuc2	vicPac1	0.33981383
nomLeu2	vicPac1	0.35302347	nomLeu2	vicPac1	0.35677155
ochPri2	vicPac1	0.52578127	ochPri2	vicPac1	0.53130541
oreNil2	vicPac1	2.19005807	oreNil2	vicPac1	2.19965994
ornAna1	vicPac1	1.03756167	ornAna1	vicPac1	1.04404831
oryCun2	vicPac1	0.43445427	oryCun2	vicPac1	0.44023541
oryLat2	vicPac1	2.21233347	oryLat2	vicPac1	2.222848
otoGar3	vicPac1	0.39052997	otoGar3	vicPac1	0.39425035
oviAri1	vicPac1	0.2634245	oviAri1	vicPac1	0.2658812
panTro4	vicPac1	0.35432543	panTro4	vicPac1	0.35705667
papHam1	vicPac1	0.35645007	papHam1	vicPac1	0.36039705
ponAbe2	vicPac1	0.35394756	ponAbe2	vicPac1	0.35703985
proCap1	vicPac1	0.46296298	proCap1	vicPac1	0.46734953
pteVam1	vicPac1	0.31282805	pteVam1	vicPac1	0.31528983
rheMac3	vicPac1	0.35661472	rheMac3	vicPac1	0.35960161
rn5	vicPac1	0.57985461	rn5	vicPac1	0.5846865
saiBol1	vicPac1	0.36792337	saiBol1	vicPac1	0.37113995
sarHar1	vicPac1	0.83098187	sarHar1	vicPac1	0.85223341
sorAra1	vicPac1	0.49435554	sorAra1	vicPac1	0.49976526
speTri2	vicPac1	0.39572817	speTri2	vicPac1	0.40074041
susScr3	vicPac1	0.23514317	susScr3	vicPac1	0.23725611
taeGut1	vicPac1	1.24599365	taeGut1	vicPac1	1.25528254
tarSyr1	vicPac1	0.37670427	tarSyr1	vicPac1	0.38149875
tetNig2	vicPac1	2.33988807	tetNig2	vicPac1	2.34916294
triMan1	vicPac1	0.35982092	triMan1	vicPac1	0.36361762
tupBel1	vicPac1	0.40161917	tupBel1	vicPac1	0.40601375
turTru2	vicPac1	0.1937644	turTru2	vicPac1	0.1957366
xenTro3	vicPac1	1.72509667	xenTro3	vicPac1	1.75917831
ailMel1	xenTro3	1.72879586	ailMel1	xenTro3	1.75975825
anoCar2	xenTro3	1.7817081	anoCar2	xenTro3	1.80639547
bosTau7	xenTro3	1.76121747	bosTau7	xenTro3	1.79529831
calJac3	xenTro3	1.7197019	calJac3	xenTro3	1.75247694
canFam3	xenTro3	1.74086256	Clup	xenTro3	1.78919465
cavPor3	xenTro3	1.84651784	cavPor3	xenTro3	1.88251029
choHof1	xenTro3	1.67326805	choHof1	xenTro3	1.70551171
chrPic1	xenTro3	1.395359	chrPic1	xenTro3	1.42264
danRer7	xenTro3	2.3417618	danRer7	xenTro3	2.32320669
dasNov3	xenTro3	1.68788825	dasNov3	xenTro3	1.72113281
dipOrd1	xenTro3	1.84688084	dipOrd1	xenTro3	1.88163049
echTel1	xenTro3	1.86578375	echTel1	xenTro3	1.8990149
equCab2	xenTro3	1.68942236	equCab2	xenTro3	1.72191545
eriEur1	xenTro3	1.85981127	eriEur1	xenTro3	1.89327535
felCat5	xenTro3	1.71991016	felCat5	xenTro3	1.75221585
fr3	xenTro3	2.4766574	fr3	xenTro3	2.45667463
gadMor1	xenTro3	2.3205658	gadMor1	xenTro3	2.28531269
galGal4	xenTro3	1.62141398	galGal4	xenTro3	1.64731423
gasAcu1	xenTro3	2.3156665	gasAcu1	xenTro3	2.29840689
gorGor3	xenTro3	1.70435046	gorGor3	xenTro3	1.73753692
hetGla2	xenTro3	1.80137404	hetGla2	xenTro3	1.83638889
hg19	xenTro3	1.70500382	hg19	xenTro3	1.73695838
latCha1	xenTro3	1.6047638	latCha1	xenTro3	1.587486
loxAfr3	xenTro3	1.68608971	loxAfr3	xenTro3	1.71884222
macEug2	xenTro3	1.6228106	macEug2	xenTro3	1.6537915
melGal1	xenTro3	1.63658098	melGal1	xenTro3	1.66313993
melUnd1	xenTro3	1.5503741	melUnd1	xenTro3	1.57583647
micMur1	xenTro3	1.7059729	micMur1	xenTro3	1.73850434
mm10	xenTro3	1.92398114	mm10	xenTro3	1.95879539
monDom5	xenTro3	1.6215147	monDom5	xenTro3	1.6512411
myoLuc2	xenTro3	1.74509978	myoLuc2	xenTro3	1.77910292
nomLeu2	xenTro3	1.7038836	nomLeu2	xenTro3	1.73726664
ochPri2	xenTro3	1.8766414	ochPri2	xenTro3	1.9118005
oreNil2	xenTro3	2.3512854	oreNil2	xenTro3	2.33108563
ornAna1	xenTro3	1.696035	ornAna1	xenTro3	1.725234

oryCun2	xenTro3	1.7853144	oryCun2	xenTro3	1.8207305
oryLat2	xenTro3	2.3735608	oryLat2	xenTro3	2.35427369
otoGar3	xenTro3	1.7413901	otoGar3	xenTro3	1.77474544
oviAri1	xenTro3	1.76888517	oviAri1	xenTro3	1.80274951
panTro4	xenTro3	1.70518556	panTro4	xenTro3	1.73755176
papHam1	xenTro3	1.7073102	papHam1	xenTro3	1.74089214
ponAbe2	xenTro3	1.70480769	ponAbe2	xenTro3	1.73753494
proCap1	xenTro3	1.76754371	proCap1	xenTro3	1.80168742
pteVam1	xenTro3	1.72196878	pteVam1	xenTro3	1.75457892
rheMac3	xenTro3	1.70747485	rheMac3	xenTro3	1.7400967
rn5	xenTro3	1.93071474	rn5	xenTro3	1.96518159
saiBol1	xenTro3	1.7187835	saiBol1	xenTro3	1.75163504
sarHar1	xenTro3	1.6436286	sarHar1	xenTro3	1.6907953
sorAra1	xenTro3	1.90349627	sorAra1	xenTro3	1.93905435
speTri2	xenTro3	1.7465883	speTri2	xenTro3	1.7812355
susScr3	xenTro3	1.7332355	susScr3	xenTro3	1.7670182
taeGut1	xenTro3	1.63427498	taeGut1	xenTro3	1.66093023
tarSyr1	xenTro3	1.7275644	tarSyr1	xenTro3	1.76199384
tetNig2	xenTro3	2.5011154	tetNig2	xenTro3	2.48058863
triMan1	xenTro3	1.66440165	triMan1	xenTro3	1.69795551
tupBel1	xenTro3	1.7524793	tupBel1	xenTro3	1.78650884
turTru2	xenTro3	1.69922507	turTru2	xenTro3	1.73260491
vicPac1	xenTro3	1.72509667	vicPac1	xenTro3	1.75917831

Supplemental Table S24: Variation in accelerated regions among a subset of mammals

Genome	Accelerated regions (p < .05)	Accelerated regions (FDR = 0.1)
ailMel1	3246	781
bosTau7	3453	730
calJac3	5005	928
cavPor3	9060	5485
choHof1	7505	4069
Clup	3644	1923
dasNov3	10248	6449
dipOrd1	9634	6978
echTel1	9491	6922
equCab2	5726	2400
eriEur1	7986	5811
felCat5	4212	1378
gorGor3	3743	105
hetGla2	8766	4837
hg19	5244	331
loxAfr3	7216	2583
macEug2	4341	2431
micMur1	4528	2328
mm10	7706	3860
monDom5	7982	6130
myoLuc2	9412	6566
nomLeu2	4698	608
ochPri2	9411	6472
ornAna1	7187	6071
oryCun2	9298	6168
otoGar3	5566	2209
oviAri1	2790	667
panTro4	4150	502
papHam1	2675	97
ponAbe2	4582	656
proCap1	8515	5094
pteVam1	6080	2948
rheMac3	3212	145
rn5	8196	4528
saiBol1	4608	609
sarHar1	5548	3052
sorAra1	5282	3591
speTri2	6739	3762
susScr3	5548	2542
tarSyr1	6112	3980
Tcyn	12960	10910
triMan1	8093	2925
tupBel1	5380	2931
turTru2	9559	4494
vicPac1	6403	3634

Supplemental Table S25: TGF-beta/BMP STRING network data

Node 1 Protein Name	Node 2 Protein Name	Node 1 STRING Internal ID	Node 2 STRING Internal ID	Node 1 External ID	Node 2 External ID	STRING Combined Score
YAP1	SMAD7	5026403	5018684	10090.ENSMUSP00000069554	10090.ENSMUSP00000026999	0.99
ACVR2A	BMPIR1B	5026159	5019537	10090.ENSMUSP00000067305	10090.ENSMUSP00000029948	0.975
BMPIR1B	SMAD7	5019537	5018684	10090.ENSMUSP00000029948	10090.ENSMUSP00000026999	0.967
ACVR2A	SMAD7	5026159	5018684	10090.ENSMUSP00000067305	10090.ENSMUSP00000026999	0.963
WNT16	WNT3	5020068	5015248	10090.ENSMUSP00000031681	10090.ENSMUSP00000000127	0.918
WNT7A	WNT3	5020187	5015248	10090.ENSMUSP00000032180	10090.ENSMUSP00000000127	0.918
WNT7A	WNT16	5020187	5020068	10090.ENSMUSP00000032180	10090.ENSMUSP00000031681	0.905
ACVR2A	TGFBR3	5026159	5019913	10090.ENSMUSP00000067305	10090.ENSMUSP00000031224	0.887
ACVR2A	MSTN	5026159	5018758	10090.ENSMUSP00000067305	10090.ENSMUSP00000027269	0.862
GDF6	BMPIR1B	5025619	5019537	10090.ENSMUSP00000062884	10090.ENSMUSP00000029948	0.853
IGF1	MSTN	5024682	5018758	10090.ENSMUSP00000056668	10090.ENSMUSP00000027269	0.838
RASGRP3	RRAS2	5035243	5026430	10090.ENSMUSP00000129393	10090.ENSMUSP00000069752	0.767
MKI67	CD44	5020499	5015820	10090.ENSMUSP00000033310	10090.ENSMUSP00000005218	0.721
IGF1	CD44	5024682	5015820	10090.ENSMUSP00000056668	10090.ENSMUSP00000005218	0.712
ITGA5	CD44	5017728	5015820	10090.ENSMUSP00000023128	10090.ENSMUSP00000005218	0.651
IGF1	FGF1	5024682	5022920	10090.ENSMUSP00000056668	10090.ENSMUSP00000045710	0.637
BMPIR1B	MSTN	5019537	5018758	10090.ENSMUSP00000029948	10090.ENSMUSP00000027269	0.631
IGF1	MKI67	5024682	5020499	10090.ENSMUSP00000056668	10090.ENSMUSP00000033310	0.625
ENC1	ZIC1	5021745	5021024	10090.ENSMUSP00000038783	10090.ENSMUSP00000034927	0.621
MSTN	SMAD7	5018758	5018684	10090.ENSMUSP00000027269	10090.ENSMUSP00000026999	0.592
GREM1	BMPIR1B	5030385	5019537	10090.ENSMUSP00000097170	10090.ENSMUSP00000029948	0.592
ACVR2A	GDF6	5026159	5025619	10090.ENSMUSP00000067305	10090.ENSMUSP00000062884	0.577
GDF6	SCX	5025619	5022560	10090.ENSMUSP00000062884	10090.ENSMUSP00000043668	0.562
WNT7A	ORC4	5020187	5018982	10090.ENSMUSP00000032180	10090.ENSMUSP00000028098	0.537
TGFBR3	SMAD7	5019913	5018684	10090.ENSMUSP00000031224	10090.ENSMUSP00000026999	0.536
GREM1	SMAD7	5030385	5018684	10090.ENSMUSP00000097170	10090.ENSMUSP00000026999	0.526
FMNL2	PRPF40A	5029052	5027373	10090.ENSMUSP00000088472	10090.ENSMUSP00000075655	0.516
IGF1	NOCT	5024682	5017950	10090.ENSMUSP00000056668	10090.ENSMUSP00000023849	0.502
IGF1	TBX3	5024682	5016626	10090.ENSMUSP00000056668	10090.ENSMUSP00000018748	0.49
FGF1	CD44	5022920	5015820	10090.ENSMUSP00000045710	10090.ENSMUSP00000005218	0.485
FOXK1	ZIC1	5023989	5021024	10090.ENSMUSP00000052196	10090.ENSMUSP00000034927	0.484
SOX4	TBX3	5031189	5016626	10090.ENSMUSP00000100013	10090.ENSMUSP00000018748	0.482
YAP1	BIRC3	5026403	5016281	10090.ENSMUSP00000069554	10090.ENSMUSP00000013949	0.464
APC	CD44	5027798	5015820	10090.ENSMUSP00000078337	10090.ENSMUSP00000005218	0.459
YAP1	MKI67	5026403	5020499	10090.ENSMUSP00000069554	10090.ENSMUSP00000033310	0.457
MKI67	FBLN5	5020499	5017249	10090.ENSMUSP00000033310	10090.ENSMUSP00000021603	0.44
SMAD7	TBX3	5018684	5016626	10090.ENSMUSP00000026999	10090.ENSMUSP00000018748	0.438
TGFBR3	BMPIR1B	5019913	5019537	10090.ENSMUSP00000031224	10090.ENSMUSP00000029948	0.435
IGF1	BMPIR1B	5024682	5019537	10090.ENSMUSP00000056668	10090.ENSMUSP00000029948	0.421
ACVR2A	IGF1	5026159	5024682	10090.ENSMUSP00000067305	10090.ENSMUSP00000056668	0.415
APC	SMAD7	5027798	5018684	10090.ENSMUSP00000078337	10090.ENSMUSP00000026999	0.412
MKI67	BIRC3	5020499	5016281	10090.ENSMUSP00000033310	10090.ENSMUSP00000013949	0.406
SOX4	CD44	5031189	5015820	10090.ENSMUSP00000100013	10090.ENSMUSP00000005218	0.396
FGF1	MKI67	5022920	5020499	10090.ENSMUSP00000045710	10090.ENSMUSP00000033310	0.396
EFNA5	SESN3	5027445	5020882	10090.ENSMUSP00000076115	10090.ENSMUSP00000034507	0.394
APC	WNT16	5027798	5020068	10090.ENSMUSP00000078337	10090.ENSMUSP00000031681	0.39
TBX3	WNT3	5016626	5015248	10090.ENSMUSP00000018748	10090.ENSMUSP00000000127	0.385
RASGRP3	RASL11B	5035243	5024174	10090.ENSMUSP00000129393	10090.ENSMUSP00000053389	0.373
PRPF40A	ORC4	5027373	5018982	10090.ENSMUSP00000075655	10090.ENSMUSP00000028098	0.371
APC	MSTN	5027798	5018758	10090.ENSMUSP00000078337	10090.ENSMUSP00000027269	0.369
ZIC1	WNT7A	5021024	5020187	10090.ENSMUSP00000034927	10090.ENSMUSP00000032180	0.361
FMNL2	PFN2	5029052	5026324	10090.ENSMUSP00000088472	10090.ENSMUSP00000068890	0.361
EFNA5	ACVR2A	5027445	5026159	10090.ENSMUSP00000076115	10090.ENSMUSP00000067305	0.36
TGFBR3	LTBP1	5019913	5015474	10090.ENSMUSP00000031224	10090.ENSMUSP00000001927	0.353
SCX	MSTN	5022560	5018758	10090.ENSMUSP00000043668	10090.ENSMUSP00000027269	0.352
GREM1	TGFBR3	5030385	5019913	10090.ENSMUSP00000097170	10090.ENSMUSP00000031224	0.349
GREM1	ACVR2A	5030385	5026159	10090.ENSMUSP00000097170	10090.ENSMUSP00000067305	0.345
WNT7A	TBX3	5020187	5016626	10090.ENSMUSP00000032180	10090.ENSMUSP00000018748	0.345
TGFBR3	MSTN	5019913	5018758	10090.ENSMUSP00000031224	10090.ENSMUSP00000027269	0.343
IGF1	SMAD7	5024682	5018684	10090.ENSMUSP00000056668	10090.ENSMUSP00000026999	0.341
SMAD7	LTBP1	5018684	5015474	10090.ENSMUSP00000026999	10090.ENSMUSP00000001927	0.336
OPA1	ELAVL4	5034402	5031604	10090.ENSMUSP00000124223	10090.ENSMUSP00000102207	0.328
PRPF40A	ADPGK	5027373	5018502	10090.ENSMUSP00000075655	10090.ENSMUSP00000026266	0.327
PFN2	RND3	5026324	5016493	10090.ENSMUSP00000068890	10090.ENSMUSP00000017288	0.327
SOX4	MKI67	5031189	5020499	10090.ENSMUSP00000100013	10090.ENSMUSP00000033310	0.327
SOX4	FOXK1	5031189	5023989	10090.ENSMUSP00000100013	10090.ENSMUSP00000052196	0.325
CDH11	CD44	5027206	5015820	10090.ENSMUSP00000074681	10090.ENSMUSP00000005218	0.325
APC	MKI67	5027798	5020499	10090.ENSMUSP00000078337	10090.ENSMUSP00000033310	0.325
APC	WNT3	5027798	5015248	10090.ENSMUSP00000078337	10090.ENSMUSP00000000127	0.323
UNC5C	ZIC1	5031537	5021024	10090.ENSMUSP00000101843	10090.ENSMUSP00000034927	0.32
MKI67	HES1	5020499	5017745	10090.ENSMUSP00000033310	10090.ENSMUSP00000023171	0.319
YAP1	CD44	5026403	5015820	10090.ENSMUSP00000069554	10090.ENSMUSP00000005218	0.319
RRAS2	RND3	5026430	5016493	10090.ENSMUSP00000069752	10090.ENSMUSP00000017288	0.318
SOX4	PHOX2B	5031189	5016247	10090.ENSMUSP00000100013	10090.ENSMUSP00000012664	0.314
FOXK1	TBX3	5023989	5016626	10090.ENSMUSP00000052196	10090.ENSMUSP00000018748	0.314
BMPIR1B	TBX3	5019537	5016626	10090.ENSMUSP00000029948	10090.ENSMUSP00000018748	0.313
APC	WNT7A	5027798	5020187	10090.ENSMUSP00000078337	10090.ENSMUSP00000032180	0.312
GREM1	WNT7A	5030385	5020187	10090.ENSMUSP00000097170	10090.ENSMUSP00000032180	0.311
ORC4	DPYSL3	5018982	5018234	10090.ENSMUSP00000028098	10090.ENSMUSP00000025379	0.309
IGF1	BIRC3	5024682	5016281	10090.ENSMUSP00000056668	10090.ENSMUSP00000013949	0.306
GREM1	LTBP1	5030385	5015474	10090.ENSMUSP00000097170	10090.ENSMUSP00000001927	0.304
WNT7A	BMPIR1B	5020187	5019537	10090.ENSMUSP00000032180	10090.ENSMUSP00000029948	0.302
GDF6	TBX3	5025619	5016626	10090.ENSMUSP00000062884	10090.ENSMUSP00000018748	0.299
SCHIP1	ARID5B	5019325	5018624	10090.ENSMUSP00000029346	10090.ENSMUSP00000020106	0.299
GREM1	MSTN	5030385	5018758	10090.ENSMUSP00000097170	10090.ENSMUSP00000027269	0.299
FBLN2	LTBP1	5023377	5015474	10090.ENSMUSP00000048334	10090.ENSMUSP00000001927	0.298
GREM1	FBLN2	5030385	5023377	10090.ENSMUSP00000097170	10090.ENSMUSP00000048334	0.297
ELAVL4	DPYSL3	5031604	5018234	10090.ENSMUSP00000102207	10090.ENSMUSP00000025379	0.295
ODC1	IGF1	5035101	5024682	10090.ENSMUSP00000128661	10090.ENSMUSP00000056668	0.293
SOX4	IGF1	5031189	5024682	10090.ENSMUSP00000100013	10090.ENSMUSP00000056668	0.292
CDH11	ITGA5	5027206	5017728	10090.ENSMUSP00000074681	10090.ENSMUSP00000023128	0.292
WNT7A	MSTN	5020187	5018758	10090.ENSMUSP00000032180	10090.ENSMUSP00000027269	0.291
BMPIR1B	LTBP1	5019537	5015474	10090.ENSMUSP00000029948	10090.ENSMUSP00000001927	0.289
SOX4	ZIC1	5031189	5021024	10090.ENSMUSP00000100013	10090.ENSMUSP00000034927	0.283
GREM1	GDF6	5030385	5025619	10090.ENSMUSP00000097170	10090.ENSMUSP00000062884	0.283
IGF1	WNT7A	5024682	5020187	10090.ENSMUSP00000056668	10090.ENSMUSP00000032180	0.282

ODC1	MKI67	5035101	5020499	10090.ENSMUSP000000128661	10090.ENSMUSP000000033310	0.279
FMNL2	RND3	5029052	5016493	10090.ENSMUSP000000088472	10090.ENSMUSP000000017288	0.278
GDF6	IGF1	5025619	5024682	10090.ENSMUSP000000062884	10090.ENSMUSP000000056668	0.276
FOXC1	MKI67	5023989	5020499	10090.ENSMUSP000000052196	10090.ENSMUSP000000033310	0.276
FBLN2	FBLN5	5023377	5017249	10090.ENSMUSP000000048334	10090.ENSMUSP000000021603	0.275
FGF1	WNT3	5022920	5015248	10090.ENSMUSP000000045710	10090.ENSMUSP00000000127	0.272
SOX4	SMAD7	5031189	5018684	10090.ENSMUSP000000100013	10090.ENSMUSP000000026999	0.271
FGF1	WNT7A	5022920	5020187	10090.ENSMUSP000000045710	10090.ENSMUSP000000032180	0.271
BIRC3	CD44	5016281	5015820	10090.ENSMUSP000000013949	10090.ENSMUSP000000005218	0.268
YAP1	ACVR2A	5026403	5026159	10090.ENSMUSP000000069554	10090.ENSMUSP000000067305	0.267
OPA1	HES1	5034402	5017745	10090.ENSMUSP000000124223	10090.ENSMUSP000000023171	0.266
GDF6	TGFBR3	5025619	5019913	10090.ENSMUSP000000062884	10090.ENSMUSP000000031224	0.264
FOXD1	GREM1	5031319	5030385	10090.ENSMUSP000000100725	10090.ENSMUSP000000097170	0.263
ZIC1	HES1	5021024	5017745	10090.ENSMUSP000000034927	10090.ENSMUSP000000023171	0.262
SCX	CD44	5022560	5015820	10090.ENSMUSP000000043668	10090.ENSMUSP000000005218	0.262
WNT16	GALNT3	5020068	5019073	10090.ENSMUSP000000031681	10090.ENSMUSP000000028378	0.26
MKI67	SMAD7	5020499	5018684	10090.ENSMUSP000000033310	10090.ENSMUSP000000026999	0.26
FOXD1	SOX4	5031319	5031189	10090.ENSMUSP000000100725	10090.ENSMUSP000000100013	0.259
FBLN5	LTBP1	5017249	5015474	10090.ENSMUSP000000021603	10090.ENSMUSP000000001927	0.258
SMAD7	CD44	5018684	5015820	10090.ENSMUSP000000026999	10090.ENSMUSP000000005218	0.256
MKI67	WNT7A	5020499	5020187	10090.ENSMUSP000000033310	10090.ENSMUSP000000032180	0.256
ARID5B	RND3	5016824	5016493	10090.ENSMUSP000000020106	10090.ENSMUSP000000017288	0.255
ELAVL4	PHOX2B	5031604	5016247	10090.ENSMUSP000000102207	10090.ENSMUSP000000012664	0.255
ZIC1	WNT3	5021024	5015248	10090.ENSMUSP000000034927	10090.ENSMUSP00000000127	0.255
MSTN	LTBP1	5018758	5015474	10090.ENSMUSP000000027269	10090.ENSMUSP000000001927	0.254
WNT16	TBX3	5020068	5016626	10090.ENSMUSP000000031681	10090.ENSMUSP000000018748	0.253
GDF6	SMAD7	5025619	5018684	10090.ENSMUSP000000062884	10090.ENSMUSP000000026999	0.252
APC	PFN2	5027798	5026324	10090.ENSMUSP000000078337	10090.ENSMUSP000000068890	0.251
IGF1	WNT3	5024682	5015248	10090.ENSMUSP000000056668	10090.ENSMUSP00000000127	0.248
ELAVL4	YAP1	5031604	5026403	10090.ENSMUSP000000102207	10090.ENSMUSP000000069554	0.247
YAP1	WNT3	5026403	5015248	10090.ENSMUSP000000069554	10090.ENSMUSP00000000127	0.246
TGFBR3	CD44	5019913	5015820	10090.ENSMUSP000000031224	10090.ENSMUSP000000005218	0.246
MKI67	ITGA5	5020499	5017728	10090.ENSMUSP000000033310	10090.ENSMUSP000000023128	0.243
ELAVL4	WNT7A	5031604	5020187	10090.ENSMUSP000000102207	10090.ENSMUSP000000032180	0.243
ELAVL4	ZIC1	5031604	5021024	10090.ENSMUSP000000102207	10090.ENSMUSP000000034927	0.242
ENC1	DPYSL3	5021745	5018234	10090.ENSMUSP000000038783	10090.ENSMUSP000000025379	0.242
ZIC1	TBX3	5021024	5016626	10090.ENSMUSP000000034927	10090.ENSMUSP000000018748	0.241
GREM1	TBX3	5030385	5016626	10090.ENSMUSP000000097170	10090.ENSMUSP000000018748	0.239
ZIC1	PHOX2B	5021024	5016247	10090.ENSMUSP000000034927	10090.ENSMUSP000000012664	0.238
MKI67	WNT3	5020499	5015248	10090.ENSMUSP000000033310	10090.ENSMUSP00000000127	0.238
RRAS2	PFN2	5026430	5026324	10090.ENSMUSP000000069752	10090.ENSMUSP000000068890	0.237
FGF1	WNT16	5022920	5020068	10090.ENSMUSP000000045710	10090.ENSMUSP000000031681	0.236
IGF1	SCX	5024682	5022560	10090.ENSMUSP000000056668	10090.ENSMUSP000000043668	0.235
SOX4	YAP1	5031189	5026403	10090.ENSMUSP000000100013	10090.ENSMUSP000000069554	0.235
RASGRP3	RND3	5035243	5016493	10090.ENSMUSP000000129393	10090.ENSMUSP000000017288	0.235
GREM1	FOXC1	5030385	5023989	10090.ENSMUSP000000097170	10090.ENSMUSP0000000052196	0.235
FBLN2	ITGA5	5023377	5017728	10090.ENSMUSP000000048334	10090.ENSMUSP000000023128	0.234
EFNA5	BMPR1B	5027445	5019537	10090.ENSMUSP000000076115	10090.ENSMUSP000000029948	0.231
ENC1	SLC20A1	5021745	5019192	10090.ENSMUSP000000038783	10090.ENSMUSP000000028880	0.23
ITGA5	FBLN5	5017728	5017249	10090.ENSMUSP000000023128	10090.ENSMUSP000000021603	0.229
YAP1	TBX3	5026403	5016626	10090.ENSMUSP000000069554	10090.ENSMUSP000000018748	0.229
HES1	CD44	5017745	5015820	10090.ENSMUSP000000023171	10090.ENSMUSP000000005218	0.229
TGFBR3	FBLN5	5019913	5017249	10090.ENSMUSP000000031224	10090.ENSMUSP000000021603	0.229
ODC1	SLC20A1	5035101	5019192	10090.ENSMUSP000000128661	10090.ENSMUSP000000028880	0.229
TBX3	PHOX2B	5016626	5016247	10090.ENSMUSP000000018748	10090.ENSMUSP000000012664	0.228
ZIC1	MKI67	5021024	5020499	10090.ENSMUSP000000034927	10090.ENSMUSP000000033310	0.227
GREM1	WNT3	5030385	5015248	10090.ENSMUSP000000097170	10090.ENSMUSP00000000127	0.227
ZIC1	WNT16	5021024	5020068	10090.ENSMUSP000000034927	10090.ENSMUSP000000031681	0.226
FOXC1	TGFBR3	5023989	5019913	10090.ENSMUSP000000052196	10090.ENSMUSP000000031224	0.225
GREM1	APC	5030385	5027798	10090.ENSMUSP000000097170	10090.ENSMUSP000000078337	0.223
FOXC1	CD44	5023989	5015820	10090.ENSMUSP000000052196	10090.ENSMUSP000000005218	0.223
YAP1	IGF1	5026403	5024682	10090.ENSMUSP000000069554	10090.ENSMUSP000000056668	0.222
MKI67	DPYSL3	5020499	5018234	10090.ENSMUSP000000033310	10090.ENSMUSP000000025379	0.222
ELAVL4	ADD2	5031604	5020152	10090.ENSMUSP000000102207	10090.ENSMUSP000000032069	0.222
FOXD1	TBX3	5031319	5016626	10090.ENSMUSP000000100725	10090.ENSMUSP000000018748	0.22
FOXD1	EFNA5	5031319	5027445	10090.ENSMUSP000000100725	10090.ENSMUSP000000076115	0.22
APC	ACVR2A	5027798	5026159	10090.ENSMUSP000000078337	10090.ENSMUSP000000067305	0.218
APC	BMPR1B	5027798	5019537	10090.ENSMUSP000000078337	10090.ENSMUSP000000029948	0.218
ELAVL4	HES1	5031604	5017745	10090.ENSMUSP000000102207	10090.ENSMUSP000000023171	0.217
GREM1	ZIC1	5030385	5021024	10090.ENSMUSP000000097170	10090.ENSMUSP000000034927	0.216
FOXD1	WNT3	5031319	5015248	10090.ENSMUSP000000100725	10090.ENSMUSP00000000127	0.216
UNC5C	WNT16	5031537	5020068	10090.ENSMUSP000000101843	10090.ENSMUSP000000031681	0.216
ACVR2A	ORC4	5026159	5018982	10090.ENSMUSP000000067305	10090.ENSMUSP000000028098	0.215
FOXD1	FOXC1	5031319	5023989	10090.ENSMUSP000000100725	10090.ENSMUSP0000000052196	0.215
SMAD7	WNT3	5018684	5015248	10090.ENSMUSP000000026999	10090.ENSMUSP00000000127	0.215
FGF1	GALNT3	5022920	5019073	10090.ENSMUSP000000045710	10090.ENSMUSP000000028378	0.214
PFN2	TBC1D2B	5026324	5022865	10090.ENSMUSP000000068890	10090.ENSMUSP000000045413	0.214
UNC5C	PHOX2B	5031537	5016247	10090.ENSMUSP000000101843	10090.ENSMUSP000000012664	0.213
ELAVL4	PFN2	5031604	5026324	10090.ENSMUSP000000102207	10090.ENSMUSP000000068890	0.213
FOXD1	ZIC1	5031319	5021024	10090.ENSMUSP000000100725	10090.ENSMUSP000000034927	0.213
FBLN2	TGFBR3	5023377	5019913	10090.ENSMUSP000000048334	10090.ENSMUSP000000031224	0.21
WNT7A	CD44	5020187	5015820	10090.ENSMUSP000000032180	10090.ENSMUSP000000005218	0.21
FOXC1	BMPR1B	5023989	5019537	10090.ENSMUSP000000052196	10090.ENSMUSP000000029948	0.209
CDH11	PHOX2B	5027206	5016247	10090.ENSMUSP000000074681	10090.ENSMUSP000000012664	0.208
FGF1	MSTN	5022920	5018758	10090.ENSMUSP000000045710	10090.ENSMUSP000000027269	0.208
CD44	WNT3	5015820	5015248	10090.ENSMUSP000000005218	10090.ENSMUSP00000000127	0.208
IGF1	FOXC1	5024682	5023989	10090.ENSMUSP000000056668	10090.ENSMUSP0000000052196	0.207
BMPR1B	WNT3	5019537	5015248	10090.ENSMUSP000000029948	10090.ENSMUSP00000000127	0.206
GDF6	WNT3	5025619	5015248	10090.ENSMUSP000000062884	10090.ENSMUSP00000000127	0.206
RASL11B	RND3	5024174	5016493	10090.ENSMUSP000000053389	10090.ENSMUSP000000017288	0.206
GREM1	IGF1	5030385	5024682	10090.ENSMUSP000000097170	10090.ENSMUSP000000056668	0.205
SOX4	DPYSL3	5031189	5018234	10090.ENSMUSP000000100013	10090.ENSMUSP000000025379	0.205
IGF1	LTBP1	5024682	5015474	10090.ENSMUSP000000056668	10090.ENSMUSP000000001927	0.204
GREM1	CD44	5030385	5015820	10090.ENSMUSP000000097170	10090.ENSMUSP000000005218	0.204
PFN2	RASL11B	5026324	5024174	10090.ENSMUSP000000068890	10090.ENSMUSP000000053389	0.203
MSTN	ITGA5	5018758	5017728	10090.ENSMUSP000000027269	10090.ENSMUSP000000023128	0.203
CDH11	FGF1	5027206	5022920	10090.ENSMUSP000000074681	10090.ENSMUSP000000045710	0.203
YAP1	GDF6	5026403	5025619	10090.ENSMUSP000000069554	10090.ENSMUSP000000062884	0.202

CDH11	RND3	5027206	5016493	10090.ENSMUSP00000074681	10090.ENSMUSP00000017288	0.202
IGF1	WNT16	5024682	5020068	10090.ENSMUSP00000056668	10090.ENSMUSP00000031681	0.201
MPPED2	BMPR1B	5032413	5019537	10090.ENSMUSP00000106682	10090.ENSMUSP00000029948	0.201
OPA1	YAP1	5034402	5026403	10090.ENSMUSP00000124223	10090.ENSMUSP00000069554	0.2
SCX	ZIC1	5022560	5021024	10090.ENSMUSP00000043668	10090.ENSMUSP00000034927	0.2
YAP1	BMPR1B	5026403	5019537	10090.ENSMUSP00000069554	10090.ENSMUSP00000029948	0.2

Supplemental Table S26: STRING MCL clusters

Cluster Number	Cluster Color (Color Name)	Cluster Color (Hexadecimal Encoding)	Protein Name	Protein Identifier
1	Rose Bud Cherry	#882255	SOX4	10090.ENSMUSP000000100013
1	Rose Bud Cherry	#882255	CDH11	10090.ENSMUSP000000074681
1	Rose Bud Cherry	#882255	IGF1	10090.ENSMUSP000000056668
1	Rose Bud Cherry	#882255	FGF1	10090.ENSMUSP000000045710
1	Rose Bud Cherry	#882255	NOCT	10090.ENSMUSP000000023849
1	Rose Bud Cherry	#882255	BIRC3	10090.ENSMUSP000000013949
1	Rose Bud Cherry	#882255	CD44	10090.ENSMUSP000000005218
1	Rose Bud Cherry	#882255	FBLN5	10090.ENSMUSP000000021603
1	Rose Bud Cherry	#882255	TBX3	10090.ENSMUSP000000018748
1	Rose Bud Cherry	#882255	ODC1	10090.ENSMUSP000000128661
1	Rose Bud Cherry	#882255	ITGA5	10090.ENSMUSP000000023128
1	Rose Bud Cherry	#882255	MKI67	10090.ENSMUSP000000033310
2	Violet Blue	#AA4499	GREM1	10090.ENSMUSP000000097170
2	Violet Blue	#AA4499	SCX	10090.ENSMUSP000000043668
2	Violet Blue	#AA4499	GDF6	10090.ENSMUSP000000062884
2	Violet Blue	#AA4499	SMAD7	10090.ENSMUSP000000026999
2	Violet Blue	#AA4499	FBLN2	10090.ENSMUSP000000048334
2	Violet Blue	#AA4499	BMPRI1B	10090.ENSMUSP000000029948
2	Violet Blue	#AA4499	ACVR2A	10090.ENSMUSP000000067305
2	Violet Blue	#AA4499	MSTN	10090.ENSMUSP000000027269
2	Violet Blue	#AA4499	LTBP1	10090.ENSMUSP000000001927
2	Violet Blue	#AA4499	TGFBR3	10090.ENSMUSP000000031224
2	Violet Blue	#AA4499	MPPED2	10090.ENSMUSP000000106692
2	Violet Blue	#AA4499	YAP1	10090.ENSMUSP000000069554
3	Cabaret	#CC6677	FOXC1	10090.ENSMUSP000000052196
3	Cabaret	#CC6677	PHOX2B	10090.ENSMUSP000000012664
3	Cabaret	#CC6677	UNC5C	10090.ENSMUSP000000101843
3	Cabaret	#CC6677	DPYSL3	10090.ENSMUSP000000025379
3	Cabaret	#CC6677	FOXD1	10090.ENSMUSP000000100725
3	Cabaret	#CC6677	ZIC1	10090.ENSMUSP000000034927
3	Cabaret	#CC6677	SLC20A1	10090.ENSMUSP000000028880
3	Cabaret	#CC6677	ENC1	10090.ENSMUSP000000038783
4	Sandwisp	#DDCC77	RASGRP3	10090.ENSMUSP000000129393
4	Sandwisp	#DDCC77	RASL11B	10090.ENSMUSP000000053389
4	Sandwisp	#DDCC77	RND3	10090.ENSMUSP000000017288
4	Sandwisp	#DDCC77	PFN2	10090.ENSMUSP000000068890
4	Sandwisp	#DDCC77	RRAS2	10090.ENSMUSP000000069752
4	Sandwisp	#DDCC77	TBC1D2B	10090.ENSMUSP000000045413
5	Highball	#999933	GALNT3	10090.ENSMUSP000000028378
5	Highball	#999933	WNT3	10090.ENSMUSP000000000127
5	Highball	#999933	WNT7A	10090.ENSMUSP000000032180
5	Highball	#999933	APC	10090.ENSMUSP000000078337
5	Highball	#999933	WNT16	10090.ENSMUSP000000031681
6	Camarone	#117733	HES1	10090.ENSMUSP000000023171
6	Camarone	#117733	OPA1	10090.ENSMUSP000000124223
6	Camarone	#117733	ELAVL4	10090.ENSMUSP000000102207
6	Camarone	#117733	ADD2	10090.ENSMUSP000000032069
7	Blue Violet	#8647eb	PRPF40A	10090.ENSMUSP000000075655
7	Blue Violet	#8647eb	ORC4	10090.ENSMUSP000000028098
7	Blue Violet	#8647eb	ADPGK	10090.ENSMUSP000000026266
7	Blue Violet	#8647eb	FMNL2	10090.ENSMUSP000000088472
8	Persian Indigo	#332288	ARID5B	10090.ENSMUSP000000020106
8	Persian Indigo	#332288	SCHIP1	10090.ENSMUSP000000029346
9	Sky Blue	#88CCEE	SESN3	10090.ENSMUSP000000034507
9	Sky Blue	#88CCEE	EFNA5	10090.ENSMUSP000000076115

Supplemental Code:

```
#####  
# project_ref-based_assem_into_maf_WGA.pl  
#####
```

```
#!/usr/bin/perl  
use strict;  
use warnings;  
use Bio::Perl;
```

```
#-----prep-----#
```

```
my ($in_name, $out_name, $refspec, $refassem, $suffix, $min, $prefix) = @ARGV;
```

```
=pod
```

This script takes a whole-genome maf alignment, a reference-based genome assembly of a species not present in the maf alignment but referenced against a species which is present, the id of the reference species. This script:

- 1) Reads through the alignment
- 2) Finds subalignments where the reference species is present
- 3) Extracts metadata from the reference (i.e. chr/scaff number, start, end, strand etc)
- 4) Uses that information to extract the equivalent region from the reference based assembly

Several assumptions are made:

- 1) The coordinate systems of the reference genome and the reference-based assembly are identical
- 2) The scaffold IDs are the same

This script contains some hard-coding (esp. regarding expectations of what input genome's scaffold ID's will look like). This can be modified for other datasets.

```
# Collect arguments  
# in_name - input maf alignment  
# out_name - output maf alignment  
# refspec - ID of the species that acted as the reference genome for the input  
#           reference-based assembly  
# refassem - filename of the reference based assembly  
# suffix - suffix for labelling  
# minimum number of species  
# prefix for labelling
```

```
=cut
```

```
# Make names for temp files  
my $temp1 = "$prefix" . "_temp1.fasta";  
my $temp2 = "$prefix" . "_temp2.fasta";  
my $temp3 = "$prefix" . "_temp3.fasta";
```

```
# Open input and output files  
open (IN, "$in_name");  
open (OUT, ">$out_name");
```

```
# Get the first line (maf header)  
my $first_line = <IN>;
```

```
# Print it to the output file  
print OUT $first_line;
```

```
# Make a flag to determine whether the script is currently in a proper maf entry (subalignment)  
# and an array to hold the current subalignment, and a counter for the number of species
```

```

my $entry_flag = 0;
my @subaln;

#-----parse-----#

# While parsing the lines of the input maf file...
while (my $line = <IN>) {

    # If the line is a score, indicating the first line of a subalignment...
    if ($line =~ /^a score/) {

        # Flip the flag to say we're currently making an entry
        $entry_flag = 1;

        # Add the score as the first line of the subalignment
        push (@subaln, $line);

        # If the line begins with an "s" or "i" or "e"
    } elsif (($line =~ /^s /) { #or ($line =~ /^i/) { #or ($line =~ /^e/) {

        # Add it to the current subalignment
        push (@subaln, $line);

        # If the line is empty AND we are in the process of making an entry
        # then process and close the entry
    } elsif (($line =~ /^s*$/) and ($entry_flag == 1)) {

        # First, check the subalignment for the reference species
        # If present, collect its metadata and make a samtools faidx
        # command to extract the equivalent region from the refassem
        my @metadata = GetRef($refspec, @subaln);

        # If the reference species was not found, then check if the subaln
        # has the minimum number of species to be retained. If it does,
        # print it to the file
        if ($metadata[0] eq 'false') {

            # Check species subroutine
            my $check = CheckSpeciesNumber($min, @subaln);

            # If it passes the check
            if ($check eq 'true') {

                # Write it to the output file
                print OUT @subaln;

                print OUT "\n\n";

            }

        }

        # If the reference species was present
    } else {

        # Reformat the subaln as fasta and write to temp1.fasta
        MafToFasta($temp1, @subaln);

        # Shift the faidx command off of metadata onto its own variable
        my $faidx_cmd = shift (@metadata);

        # Run the samtools faidx command and write the resulting fasta
        # to temp2.fasta
        GetSeqsFaidx($temp2, $suffix, $faidx_cmd, @metadata);
    }
}

```

```

# Run Mafft command to align the sequence extracted from the refassem
# to the rest of the subalignment
my $mafft_err = "$prefix" . "_mafft_err.txt";
my $mafft_command = "mafft-linsi --add $temp2 --keeplength $temp1 > $temp3 2>$mafft_err";
system($mafft_command);

# Now open the new mafft alignment, extract the added, aligned sequence
# and reformat it as MAF
my $reformatted = FastaSeqToMaf($temp3, $suffix, @metadata);

# Add the reformatted line to the MAF subalignment
push (@subaln, $reformatted);

# Check that the total number of species meets the min requirement
my $check = CheckSpeciesNumber($min, @subaln);

# If it passes the check
if ($check eq 'true') {

    # Write it to the output file
    print OUT @subaln;

    print OUT "\n\n";

}

}

#unlink glob "temp*.fasta";
undef @subaln;
$entry_flag = 0;

}

}

unlink glob "temp*.fasta";

#####
sub GetRef {

    # Get name of ref species
    my $refspec = shift @_;

    # Get subalignment
    my @subaln = @_;

    my @metadata;

    # Initialize a variable to hold the samtools faidx command
    my $faidx_cmd = 'false';

    # Parse subalignment
    while (my $line = shift @subaln) {

        # If a given sequence (s ) line matches the ref species...
        if ($line =~ /s $refspec/g) {

```

```

# Split the line and collect its relevant components for later use
my @line = split(" ", $line);
my $src = $line[1]; # Name of the source sequence
my $start = $line[2]; # Start position in the source sequence (0-based)
my $size = $line[3]; # Size of the aligned sequence
my $strand = $line[4]; # Strand of the aligned sequence (+/-)
my $srcSize = $line[5]; # Size of the source sequence
my $seq = $line[6]; # The aligned sequence itself including gaps
# Collect elements 1 through 5 as metadata
@metadata = @line[1..5];

# If the sequence was on the plus strand...
if ($strand eq '+') {

    # Calculate the end position like so
    my $end = $start + ($size); #- 1);

    # Shift the start position into 1-based coord system by adding 1
    $start = $start + 1;

    $src = ParseIDs($src);
    #print "$src\n";

    # Make the samtools faidx command
    # Note: Don't output fasta in the command, need to reverse complement
    # it later if on the minus strand
    $faidx_cmd = "samtools-1.3.1 faidx $refassem " . "$src" . ":" . "$start" . "-" . "$end";

# If the sequence was on the minus strand...
} elsif ($strand eq '-') {

    # Calculate the end position like so
    my $end = $srcSize - $start;

    # Calculate the start position like so
    $start = $end - ($size - 1);

    $src = ParseIDs($src);

    # Make samtools faidx command (see note above)
    $faidx_cmd = "samtools-1.3.1 faidx $refassem " . "$src" . ":" . "$start" . "-" . "$end";

}

}

}

# Add the samtools faidx command to the beginning of the
# metadata array and return it
unshift @metadata, $faidx_cmd;
#print "$faidx_cmd\n";
return (@metadata);

}

sub CheckSpeciesNumber {

    # Collect subaln and min
    my $min = shift @_;
    my @subaln = @_;

```

```

# Initialize check value to false
my $check = 'false';

# Determine if the number of species meets the minimum requirement
# Initialize a counter at zero, add 1 for each sequence line
my $count = 0;

# If line begins with "s" add one to the counter
foreach (@subaln) {

    if ($_ =~ /^s/) {

        $count++;

    }

}

# If the count is greater than or equal to min species, print it to the output
if ($count >= $min) {

    $check = 'true';

    return ($check);

}

}

sub MafToFasta {

    # Collect args
    my $temp1 = shift @_;
    my @subaln = @_;

    # Open temp file
    open (TEMP1, ">$temp1");

    # Parse sequence lines from maf subaln
    foreach (@subaln) {

        if ($_ =~ /^s /) {

            my @split = split(" ", $_);

            my $id = $split[1];

            my $seq = $split[6];

            print TEMP1 ">$id\n$seq\n";

        }

    }

    close TEMP1;

}

sub GetSeqsFaidx {

```

```

my $temp2 = shift @_ ;

my $suffix = shift @_ ;

my $faidx_cmd = shift @_ ;

my @metadata = @_ ;

my @fasta = ` $faidx_cmd ` ;

open (TEMP2, ">$temp2");

my $id = shift @fasta;
my $seq = join(" ", @fasta);

$id =~ s/^s+//g;
$seq =~ s/^s+//g;

my $header = ">$suffix" . " _ ";

$id =~ s/^>/$header/;

my @split = split(':', $id);
$id = $split[0];

if ($metadata[3] =~ /\+/) {

    print TEMP2 "$id\n$seq";
    close TEMP2;
    return

} elsif ($metadata[3] =~ /\-/) {

    my $seq_obj = Bio::Seq->new(-id => "$id",
                                -seq => "$seq",
                                -alphabet => 'dna');

    #my $revcom = revcom($fasta[1]);
    my $rev_obj = $seq_obj->revcom();

    $seq = $rev_obj->seq();

    print TEMP2 "$id\n$seq";
    close TEMP2;
    return

}

print "Something is unstranded. Adjust accordingly\n@metadata";
exit;

}

sub ParseIDs {

    my $long = $_[0];
    my $short;

    # Devil ids will be of the form: sarHar1.chr1_GL834894_random
    # Need to reformat to GL834894.1
    if ($long =~ /sarHar/g) {

```

```

# First split at full stops leaving : sarHar1 and chr1_GL834894_random
my @split = split(/\./, $long);

# Get the second element and split at underscores leaving chr1_GL834894_random
@split = split('_', $split[1]);

# Get the second element again (GL834894) and add .1
$short = "$split[1]" . ".1";

# Dog ids will be of the form: canFam3.chr18
# Need to reformat to chr18
} elsif ($long =~ /canFam/g) {

    if ($long =~ /chr[X0-9]+/g) {

        my @split = split(/\./, $long);

        $short = $split[1];

        #($short) = $split[1] =~ m/chr[A-Za-z0-9]+/g;

    } elsif ($long =~ /chrUn/g) {

        my @split = split(/_/ , $long);

        $short = "$split[1]" . ".1";

    } else {

        print "Don't understand this header: $long\n";

    }

}

return ($short);

}

sub FastaSeqToMaf {

    # Collect args
    my $temp3 = shift @_;
    my $suffix = shift @_;
    my @metadata = @_;
    my @maf;
    my $maf;
    my $id;
    my $seq;

    # Open mafft output file
    my $seqIO_obj = Bio::SeqIO->new(-file => "$temp3", -format => 'fasta', -alphabet => 'dna');

    # Find the line matching suffix (refassem sequence)
    while (my $seq_obj = $seqIO_obj->next_seq()) {

        $id = $seq_obj->id();

```

```

        if ($id =~ /$suffix/g) {

            $seq = $seq_obj->seq();

            last;

        }

    }

    # Reformat the data into mafft format using the metadata from the ref species
    push (@maf, 's');
    push (@maf, @metadata);
    push (@maf, "$seq");

    $maf = "$maf[0] $id\t\t\t\t\t $maf[2] $maf[3] $maf[4] $maf[5] $maf[6]";

    return ($maf);

}

```



```
#####
# filter_maf_by_species_number.pl
#####

#!/usr/bin/perl
use strict;
use warnings;
use Bio::Perl;

#-----prep-----#

my $pause;

my ($in_name, $out_name, $min) = @ARGV;

# Open input and output files
open (IN, "$in_name");
open (OUT, ">$out_name");

# Get the first line (maf header)
my $first_line = <IN>;

# Print it to the output file
print OUT $first_line;

# Make a flag to determine whether the script is currently in a proper maf entry (subalignment)
# and an array to hold the current subalignment, and a counter for the number of species
my $entry_flag = 0;
my @subaln;

#-----parse-----#

# While parsing the lines of the input maf file...
while (my $line = <IN>) {

    # If the line is a score, indicating the first line of a subalignment...
    if ($line =~ /^a score/) {

        # Flip the flag to say we're currently making an entry
        $entry_flag = 1;

        # Add the score as the first line of the subalignment
        push (@subaln, $line);

        # If the line begins with an "s" or "i" or "e"
    } elsif (($line =~ /^s /) { #or ($line =~ /^i/) { #or ($line =~ /^e/) {

        # Add it to the current subalignment
        push (@subaln, $line);

        # If the line is empty AND we are in the process of making an entry
        # then process and close the entry
    } elsif (($line =~ /^s*$/) and ($entry_flag == 1)) {

        # Check the number of species in the subalignment
        my $check = CheckSpeciesNumber($min, @subaln);

        # If it passes the check
        if ($check eq 'true') {

            # Write it to the output file

```

```

        print OUT @subaln;

        print OUT "\n\n";

    }

    undef @subaln;
    $entry_flag = 0;

}

}

#####
sub CheckSpeciesNumber {

    # Collect subaln and min
    my $min = shift @_ ;
    my @subaln = @_ ;

    # Initialize check value to false
    my $check = 'false';

    # Determine if the number of species meets the minimum requirement
    # Initialize a counter at zero, add 1 for each sequence line
    my $count = 0;

    # If line begins with "s" add one to the counter
    foreach (@subaln) {

        if ($_ =~ /^s/) {

            $count++;

        }

    }

    # If the count is greater than or equal to min species, print it to the output
    if ($count >= $min) {

        $check = 'true';

        return ($check);

    }

}

```

```
#####
# filter_maf_seqs_by_percent_ambiguous.pl
#####

#!/usr/bin/perl
use strict;
use warnings;
use Bio::Perl;

#-----prep-----#

my ($in_name, $out_name, $refspec, $min) = @ARGV;

# Open input and output files
open (IN, "$in_name");
open (OUT, ">$out_name");

# Get the first line (maf header)
my $first_line = <IN>;

# Print it to the output file
print OUT $first_line;

#-----parse-----#

# While parsing the lines of the input maf file...
while (my $line = <IN>) {

    # If the line is anything other than a sequence line
    if ($line !~ /^s /) {

        # Write it to the output file
        print OUT "$line";

        # If the line matches the reference species
        } elsif ($line =~ /$refspec/g) {

            # Write it to the output file
            print OUT "$line";

        # Otherwise, if its a sequence line that isn't the reference
        } else {

            # Check the percent of sequence composed of nucleotides
            my $check = CheckNuclComp($min, $line);

            # If it passes the check
            if ($check eq 'true') {

                # Write it to the output file
                print OUT "$line";

            }

        }

    }

}

#####
sub CheckNuclComp {
```

```

# Collect subaln and min
my $min = shift @_ ;
my $line = shift @_ ;

# Initialize check value to false
my $check = 'false';

# Split the line and get the sequence
my @split = split(" ", $line);

# Collect the sequence
my $seq = $split[6];

# Strip any whitespace characters
$seq =~ s/^s+//g;
chomp ($seq);

# Split the sequence into characters
@split = split("", $seq);

# Get the total length
my $total_len = scalar(@split);

# Count for number of nucleotides
my $num_nucs = 0;

# Count nucleotides
foreach (@split) {

    if (($_ =~ /a/i)
    or ($_ =~ /t/i)
    or ($_ =~ /g/i)
    or ($_ =~ /c/i)) {

        $num_nucs++;

    }

}

# Get percent of length that's nucleotides
my $percent_nucs = ($num_nucs/$total_len) * 100;

# If its greater than or equal to the minimum
if ($percent_nucs >= $min) {

    # It passes the check
    $check = 'true';

}

# Return the result of the check
return ($check)

}

```

```
#####
# optimize_merge_distances3.2.pl
#####
```

```
#!/usr/bin/perl
```

```
use strict;
use warnings;
use List::Util 'sum';
use Data::Dumper;
```

```
=pod
```

Try to figure out if there is a smarter way to do my weighted averages.
 Maybe instead of giving greater weight to elements of greater length
 (as a proportion of the sum of peak lengths).

Notes before starting:

1) Both the cds and ChIP intersection (isect) files must be sorted in a specific way.
 open in Microsoft Excel/LibreOffice Calc and sort the data in ascending order by the
 following columns.

cds gff:

```
sort key 1: column 9 (gff attributes) -> unique id
sort key 2: column 6 (gff score) -> Use script to set score to exon number before intersecting
sort key 3: column 4 (gff start) -> coordinate for start of entry
```

ChIP bed

```
sort key 1: column 4 (bed ID)
sort key 2: column 2 (bed start)
```

```
=cut
```

```
# Pause for debugging
my $pause;
# Flags for gff/bed specific index numbering
my $gff_flag = 'gff';
my $bed_flag = 'bed';
```

```
# Collect arguments
my ($cds_isect, $chip_isect, $target_seg_num, $max_filled_perc) = @ARGV;
```

```
# Open isect gff files
open (CDS, $cds_isect);
open (CHIP, $chip_isect);
```

```
# Collect gff file contents. These will be used to collect initial data
# then subsequently edited with each merge cycle.
my @cds_gff = <CDS>;
my @chip_bed = <CHIP>;
```

```
#-----Collect initial stats-----#
```

```
# Get an initial (weighted) average number of segments per exon in the cds gff file
# This data will be updated progressively with each merge cycle until the target
# average is met, or the max percent of filled gaps (see below) is exceeded
my $avg_seg_num_exons = GetAverageSegNum(@cds_gff);
```

```
# Set the initial average gap filled percentage in ChIP isect elements to zero
# since nothing's been filled in yet
my $avg_filled_perc_chip = 0;
```

```
=pod
```

Make a hash that holds the lengths of each isect element. This hash will be initialize as the sum of the lengths of all isect elements (isect elements being the intersection of ChIP and conservation data) for each exon (as numbered in annotations). Each time gaps are filled in the merging algorithm, the number of gap bases filled will be added to the corresponding element in this hash. Thus, the percent gap filled for each exon will be calculated as the number of filled bases in that exon divided by the total length of the exon (original isect length plus length of filled bases). These percents will then be used to calculate a weighted average for the percent of filled bases over the total isect dataset and compared to the maximum allowed.

```
=cut
```

```
my %total_chip_lengths = GetElementLengths(@chip_bed);
```

```
# Make another hash that will hold the lengths of only the filled bases in ChIP isect elements.
# These will be the values divided by the total lengths in the total_lengths hash above
my %filled_chip_lengths;
```

```
print "Initial average segment number: $avg_seg_num_exons\n";
print "Initial average percent filled gaps: 0\n\n";
```

```
#-----Begin Merging Algorithm-----#
```

```
=pod
```

This algorithm will iteratively merge adjacent segments in the cds and gff isect datasets increasing the allowed distance between merging elements by 1 each cycle until one of two sets of conditions are met.

The first (ideal) condition is that the (weighted) average number of segments per cds exon isect is less than or equal to the average target number, and the (weighted) average percent length of ChIP isects composed of filled gaps is as close to the max percentage as possible while still being less than or equal to it.

The second (not as good) condition is that the average percent filled gaps in ChIP elements reaches the maximum before the target average segment number per exon isect has been met. This is an allowable outcome, but it may mean the user needs to adjust their expectations for either the target average number of segments per exon isect or the percent of ChIP elements that may be composed of filled gaps

After each cycle that neither of these conditionals are met, the merge distance will be increased by 1 and the results will be re-checked

```
=cut
```

```
# Set the initial merge distance to 1 base (nucleotide)
my $merge_distance = 0;
```

```
# Merging algorithm loop
```

```
#while (($avg_seg_num_exons > $target_seg_num) and ($avg_filled_perc_chip < $max_filled_perc)) {
while ($avg_filled_perc_chip < $max_filled_perc) {
```

```
    # 1) Merge segments at the current distance in the exon (cds) isect dataset
    @cds_gff = MergeSegmentsGFF($merge_distance, @cds_gff);
```

```
    # Calculate a new weighted average number of segments per exon
    $avg_seg_num_exons = GetAverageSegNum(@cds_gff);
```

```
    # 2) Merge segments at the current distance in the ChIP isect dataset
    # @chip_bed = MergeSegmentsBed($merge_distance, @chip_bed);
```

```

&MergeSegmentsBed($merge_distance, @chip_bed);

# Calculate a new weighted average percent of filled gaps in ChIP peaks
my $avg_filled_perc_chip = &GetAverageFillPerc;

# Perform checks on updated stats

# If that average now meets the target...
if (($avg_filled_perc_chip > $max_filled_perc) and ($avg_seg_num_exons <= $target_seg_num)) {

    # Take merge distance 1 step back
    $merge_distance = $merge_distance - 1;

    print "Met target average segment number per exon: $avg_seg_num_exons\n";
    print "Average percent filled gaps in ChIP peaks exceeded the maximum this iteration
($avg_filled_perc_chip)\n";
    print "Use previous merge distance: $merge_distance\n\n";
    exit;

} elsif ($avg_filled_perc_chip > $max_filled_perc) {

    # Take merge distance 1 step back
    $merge_distance = $merge_distance - 1;

    print "Failed to meet target average segment number per exon. Average segments per exon:
$avg_seg_num_exons\n";
    print "Average percent filled gaps in ChIP peaks exceeded the maximum the this iteration
($avg_filled_perc_chip)\n";
    print "Use previous merge distance: $merge_distance\n\n";
    exit;

} elsif ($avg_seg_num_exons <= $target_seg_num) {

    print "Met target average segment number per exon: $avg_seg_num_exons\n";
    print "Current average percent filled gaps in ChIP peaks: $avg_filled_perc_chip\n";
    print "Current merge distance: $merge_distance\n";
    print "Continuing until average percent filled gaps reaches maximum\n\n";
    $merge_distance += 1;

# If the average still doesn't meet the target...
} else {

    print "Updated average segment number per exon: $avg_seg_num_exons\nUpdated average percent filled
gaps in ChIP peaks: $avg_filled_perc_chip\nMerge distance: $merge_distance\n\n";

    # Increment the merge distance, and the loop will continue
    print ("merge dist: $merge_distance\tavg seg num: $avg_seg_num_exons\n");
    $merge_distance += 1;

}

}

exit;

# Subroutine definitions
#####
sub GetAverageSegNum {

```

```

# Get gff file from main body
my @gff = @_;

# Initialize variable for the total length (sum of sizes) to zero
# Will be used to calculate weights for each exon
my $total_length = 0;

# Initialize variable for the weighted average
my $weighted_avg = 0;

# First pass over the gff file to get total length of all
# cds intersects (segments) in the gff file
foreach my $segment (@gff) {

    chomp ($segment);

    # Split the line up into its columns
    my @split = split(' ', $segment);

    # Unless the line's only whitespace or begins with "#"...
    unless (($segment =~ /^\\s*$/) or ($segment =~ /^#/)) {

        # Get the size of the segment
        my $size = ($split[4] - $split[3]) + 1;

        # Add it to the total length
        $total_length += $size;

    }

}

# In the second pass over the gff file, for each exon (delimited by both the ID in
# column 8 and number in column 5), get the number of segments covering the exon,
# calculate its weight (by dividing its length by the total length), multiply the
# number of segments by the weight, and add it to the weighted average variable above

# Initialize variables to keep track of the previous exon, its size and number of segs
my $previous_exon_id = 'false';
my $previous_exon_size = 0;
my $previous_exon_seg_num = 0;

# Begin second pass of the gff intersects
foreach my $segment (@gff) {

    # Remove newline
    chomp ($segment);

    # Unless the line's only whitespace or begins with "#"...
    unless (($segment =~ /^\\s*$/) or ($segment =~ /^#/)) {

        # Split the line up into its columns
        my @split = split(' ', $segment);

        # Get the size of the segment
        my $size = ($split[4] - $split[3]) + 1;

        # Get the segments exon-specific id
        my $id = "$split[8]" . "_" . $split[5];

        # If the current id matches the previous id
        if ($id eq $previous_exon_id) {

```



```

        # Add its size to the length of the exon
        $previous_exon_size += $size;

        # Increment the number of segments for this exon
        $previous_exon_seg_num++;

    # Else, the id doesn't match, so we've finished the previous entry.
    # Calculate and add it to the weighted average, and start the next entry
    } else {

        # First, calculate exon's weight
        my $weight = $previous_exon_size / $total_length;

        # Now multiply the number of segments by the weight
        my $weighted_seg_number = $previous_exon_seg_num * $weight;

        # Add the weighted seg number to the weighted average
        $weighted_avg += $weighted_seg_number;

        # Finally, close the previous entry by updating loop variables

        # Update the 'previous' exon id to the current exon id
        $previous_exon_id = $id;

        # Update the 'previous' exon size to the size of the current exon seg
        $previous_exon_size = $size;

        # Update the previous exon seg num to 1
        $previous_exon_seg_num = 1;

    }

}

}

# Return the weighted average to the main body
return ($weighted_avg);

}

sub GetElementLengths {

    # Get gff from main body
    my @bed = @_;

    # Initialize a hash to hold lengths of exon isect segments
    my %hash;

    # Loop through gff
    foreach my $segment (@bed) {

        # Remove newline
        chomp ($segment);

        # Unless the line's only whitespace or begins with "#"...
        unless (($segment =~ /\^\s*$/) or ($segment =~ /\^#/)) {

            # Split the line up into its columns
            my @split = split(' ', $segment);

```

```

        # Get the size of the segment
        my $size = ($split[2] - $split[1]) + 1;

        # Get the segments exon-specific id
        my $id = $split[3];

        # If the segment's id already exists in the hash
        if (exists $hash{$id}) {

            # Add its length to that of the exon
            $hash{$id} += $size;

        # If the appropriate element doesn't exist (only on first iteration)
        } else {

            # Create an entry for the current exon with the segment's length
            $hash{$id} = $size;

        }

    }

}

return (%hash);
}

sub MergeSegmentsGFF {

    # Collect arguments
    my $merge_distance = shift @_;
    my @gff = @_;
    my @merged;

    # Handle first line of the spreadsheet to initialize element (exon/chip isect) variables
    # First collect and split the first line
    my $first_line = shift @gff;
    my @first = split(' ', $first_line);

    # Initialize variables. "Previous" is used to indicate the working cds/exon because in each
    # Loop iteration, the current segment will be compared to the one before it (previous)
    # Thus "previous" values are held from the last iteration for comparison to the 'current'
    my $previous_cds = $first[8]; # ID of previous cds
    my $previous_exon = $first[5]; # Number of previous exon
    my $previous_start = $first[3];
    my $previous_end = $first[4];

    # Store the first line as the previous merged segment. This is to retain all
    # gff fields for output. Before completing an entry, replace indices 3 and 4 with
    # $previous_start and $previous_end respectively. Update it for each new cds or exon.
    # Quick note, since we're not actually using these merged entries, their
    # strandedness doesn't matter. Coordinates are still always from left to right
    # in the intersection gff file.
    my @merged_segment = @first;

    # Iterate over segments of gff exons
    foreach my $segment (@gff) {

        # Remove newlines
        chomp($segment);
    }
}

```

```

# Unless the line's only whitespace or begins with "#"...
unless (($segment =~ /^s*$/) or ($segment =~ /^#/)) {

    # Split the current segment
    my @split = split(' ', $segment);

    # Collect its cds and exon IDs and see if its the same as the previous.
    # If they both are...
    if (($split[8] eq $previous_cds) and ($split[5] == $previous_exon)) {

        # Get the segment's distance from the last segment
        my $distance = $split[3] - (1 + $previous_end);

        # If the distance is within the merge distance...
        if ($distance <= $merge_distance) {

            # Replace the previous end point with that of the current segment
            $previous_end = $split[4];

            # If the distance is too large then the 'previous' merged segment is done
            # and its time to start a new one with the current segment
        } else {

            # Complete the previous merged segment's entry by replacing its
            # start and end with the "previous" entries
            $merged_segment[3] = $previous_start;
            $merged_segment[4] = $previous_end;

            # Join them with tabs
            my $merged_segment = join("\t", @merged_segment);

            # Add it to the current merged gff array
            push(@merged, $merged_segment);

            # Update the start and end position of the "previous" exon
            # to the current. And the @merged_segment array. The exon itself
            # hasn't changed yet, only the segment
            $previous_start = $split[3];
            $previous_end = $split[4];
        }
    }

    # If the cds ID is the same but the exon is different, then we've hit a new exon.
    # the last segment of the previous exon can be completed the same way as before
    } elsif (($split[8] eq $previous_cds) and ($split[5] != $previous_exon)) {

        # Complete the previous merged segment's entry by replacing its
        # start and end with the "previous" entries
        $merged_segment[3] = $previous_start;
        $merged_segment[4] = $previous_end;

        # Join with tabs
        my $merged_segment = join("\t", @merged_segment);

        # Add it to the current merged gff array
        push(@merged, $merged_segment);

        # Update the start and end position of the "previous" cds
        # to the current. And the @merged_segment array. The cds itself

```

```

        # hasn't changed yet, only the exon (and in turn, segment)
        # This time update the merged_segment array to reflect the new exon
        # As well as the exon number.
        @merged_segment = @split;
        $previous_exon = $split[5];
        $previous_start = $split[3];
        $previous_end = $split[4];

    # If the exon ID is different, then we've hit a new cds
    } else {

        # Complete the entry same way, but also update the ID of the cds
        # and the new exon number.
        $merged_segment[3] = $previous_start;
        $merged_segment[4] = $previous_end;

        # Join them with tabs
        my $merged_segment = join("\t", @merged_segment);

        # Add it to the current merged gff array
        push(@merged, $merged_segment);

        # Update ONLY the start and end positions of the "previous" exon
        # to the current. The cds itself hasn't changed yet, only the
        # segment
        @merged_segment = @split;
        $previous_cds = $split[8];
        $previous_exon = $split[5];
        $previous_start = $split[3];
        $previous_end = $split[4];
    }

}

}

# Finish last entry, dont' need to update other variables
$merged_segment[3] = $previous_start;
$merged_segment[4] = $previous_end;
my $merged_segment = join("\t", @merged_segment);
push(@merged, $merged_segment);

return(@merged);

}

sub MergeSegmentsBed {

    undef %total_chip_lengths;
    undef %filled_chip_lengths;

    # Collect arguments
    my $merge_distance = shift @_;
    my @bed = @_;
    my @merged;

    # Handle first line of the spreadsheet to initialize element (cds/exon isect) variables
    # First collect and split the first line
    my $first_line = shift @bed;
    my @first = split(' ', $first_line);

```

```

# Initialize variables. "Previous" is used to indicate the working peak because in each
# Loop iteration, the current segment will be compared to the one before it (previous)
# Thus "previous" values are held from the last iteration for comparison to the 'current'
my $previous_peak = $first[3]; # ID of previous peak
my $previous_chr = $first[0];
my $previous_start = $first[1];
my $previous_end = $first[2];
my $first_length = ($previous_end - $previous_start) + 1;
$total_chip_lengths{$previous_peak} = $first_length;

=pod
# [1 2 3] 4 5 [6 7 8 9 10]
print "$first_length\n";
print Dumper(%total_chip_lengths);
$pause = <STDIN>;
=cut

# Store the first line as the previous merged segment. This is to retain all
# bed fields for output. Before completing an entry, replace indices 1 and 2 with
# $previous_start and $previous_end respectively. Update it for each new peak or exon.
my @merged_segment = @first;

# Iterate over segments of bed exons
foreach my $segment (@bed) {

    # Remove newlines
    chomp($segment);

    # Unless the line's only whitespace or begins with "#"...
    unless (($segment =~ /\s*$/) or ($segment =~ /^#/)) {

        # Split the current segment
        my @split = split(' ', $segment);

        # Collect its chromosome and see if its the same as the previous.
        # If it is...
        if ($split[0] eq $previous_chr) {

            # Get the segment's distance from the last segment
            my $distance = $split[1] - (1 + $previous_end);

            # If the distance is within the merge distance...
            if ($distance <= $merge_distance) {

                # Add the distance to its element in the filled_chip_lengths hash
                # If there is already an element present (will be after 1st iteration)
                ### Replace this with a subroutine later
                if (exists $filled_chip_lengths{$previous_peak}) {

                    # Add distance to current length
                    $filled_chip_lengths{$previous_peak} += $distance;

                }

                # If the appropriate element doesn't exist (only on first iteration)
                } else {

                    # Create one, set it to current distance
                    $filled_chip_lengths{$previous_peak} = $distance;

                }

            }

            # Add the distance AND length to its element in the total_chip_lengths hash
            # If there is already an element present (will be after 1st iteration)

```

```

##### Replace this with a subroutine later
if (exists $total_chip_lengths{$previous_peak}) {

    # calculate its length
    my $length = ($split[2] - $split[1]) + 1;

    # Add its length and distance to total length
    $total_chip_lengths{$previous_peak} += ($length + $distance);

=pod
print "$length\n$distance\n";
print Dumper(\\%total_chip_lengths);
$pause = <STDIN>;
=cut

    # If the appropriate element doesn't exist (only on first iteration)
    } else {

        # Create one, set it to the length plus distance
        my $length = ($split[2] - $split[1]) + 1;
        $total_chip_lengths{$previous_peak} = ($length + $distance);

    }

    # Replace the previous end point with that of the current segment
    $previous_end = $split[2];

# If the distance is too large then the 'previous' merged segment is done
# and its time to start a new one with the current segment
} else {

    # Complete the previous merged segment's entry by replacing its
    # start and end with the "previous" entries
    $merged_segment[1] = $previous_start;
    $merged_segment[2] = $previous_end;

    # Join them with tabs
    my $merged_segment = join("\\t", @merged_segment);

    # Update the id, start and end positions of the "previous" peak
    # to the current.
    @merged_segment = @split;
    $previous_peak = $split[3];
    $previous_chr = $split[0];
    $previous_start = $split[1];
    $previous_end = $split[2];
    my $length = ($previous_end - $previous_start) + 1;
    $total_chip_lengths{$previous_peak} = $length;

}

# If the chromosome is different
} else {

    # Complete the entry same way, but also update the ID of the peak
    $merged_segment[1] = $previous_start;
    $merged_segment[2] = $previous_end;

    # Join them with tabs
    my $merged_segment = join("\\t", @merged_segment);

    # Add it to the current merged bed array

```

```

        push(@merged, $merged_segment);

        # Update the id, start and end positions of the "previous" peak
        # to the current.
        @merged_segment = @split;
        $previous_peak = $split[3];
        $previous_chr = $split[0];
        $previous_start = $split[1];
        $previous_end = $split[2];
        my $length = ($previous_end - $previous_start) + 1;
        $total_chip_lengths{$previous_peak} = $length;
    }

}

}

# Finish last entry, dont' need to update other variables
$merged_segment[1] = $previous_start;
$merged_segment[2] = $previous_end;
my $merged_segment = join("\t", @merged_segment);
push(@merged, $merged_segment);

#print Dumper(\%filled_chip_lengths);
#$pause = <STDIN>;

#return(@merged);

}

sub GetAverageFillPerc {

    my $weighted_average = 0;

    my @array = sort keys %total_chip_lengths;

    my $total_chip_length = sum values %total_chip_lengths;

    foreach my $key (@array) {

        if (exists $filled_chip_lengths{$key}) {

            my $filled_peak_length = $filled_chip_lengths{$key};

            my $total_peak_length = $total_chip_lengths{$key};

            my $percent_filled = 100 * ($filled_peak_length / $total_peak_length);

#            print "$percent_filled\n";
#            print "$key\n";
#            print "$filled_peak_length\n";
#            print "$total_peak_length\n\n";
#            $pause = <STDIN>;

            my $weight = $total_peak_length / $total_chip_length;

            my $weighted_length = $percent_filled * $weight;

            $weighted_average += $weighted_length;

```

```
    } else {  
        my $filled_peak_length = 0;  
        my $total_peak_length = $total_chip_lengths{$key};  
    }  
}  
return($weighted_average);  
}
```



```
#####
# merge_bed_annotations_by_distance3.pl
#####
```

```
#!/usr/bin/perl
```

```
=pod
```

This script will accept a bed-formatted annotation file (e.g. phastCons conserved elements intersected with ChIP elements), determine their distances from each other going from left to right, and merge elements which are less than a pre-specified number of bases apart. For example, if annotated p300/H3K27a peaks have poor overall coverage by conserved elements, but are tiled by many small, relatively closely spaced conserved elements, merging adjacent elements which are avg bases apart could improve the percent coverage of annotations by conserved elements. This may make sense in cases where the average distance is quite high but median is quite small (i.e. many small elements are closely clustered together, but clusters themselves are much farther apart).

This doesn't need to be done across the whole genome, only the intersection of ChIP and phastCons data. Thus, merging can be done between conserved regions within the bounds of a larger ChIP peak.

```
=cut
```

```
use strict;
use warnings;
```

```
my $pause;
```

```
my ($bed, $merged, $merge_dist) = @ARGV;
```

```
open(BED, $bed);
open(MERGED, ">$merged");
```

```
# Handle first element to initialize everything
my $first_line = <BED>;
```

```
my @first = split(' ', $first_line);
```

```
my %seen;
```

```
my $previous_chr = $first[0];
my $previous_start = $first[1];
my $previous_end = $first[2];
my $previous_element = $first[3];
$seen{$previous_element} = 1;
```

```
while (my $line = <BED>) {
```

```
    my @split = split(' ', $line);
```

```
    # If we're still working on the same chromosome as last iteration...
    if ($split[0] eq $previous_chr) {
```

```
        # Calculate the distance from the last element
        my $dist = $split[1] - (1 + $previous_end);
```

```
        # If the distance is less than or equal to the maximum...
        if ($dist <= $merge_dist) {
```

```
            # Then replace the previous element's end point
```

```

        # with that of the current element
        $previous_end = $split[2];

# If the distance is too large...
} else {

    # Complete the previous entry and write it to the output file
    my @entry = ($previous_chr, $previous_start, $previous_end, $previous_element);

    my $entry = join("\t", @entry);
    chomp($entry);
    print MERGED "$entry\n";

    # Update "previous" variables to reflect the current segment of the
    # current element (the first two should be redundant)
    $previous_element = $split[3];
    $previous_chr = $split[0];
    $previous_start = $split[1];
    $previous_end = $split[2];

}

# If the current chromosome doesn't match the previous...
} else {

    # Complete the previous entry as before
    my @entry = ($previous_chr, $previous_start, $previous_end, $previous_element);
    my $entry = join("\t", @entry);
    chomp($entry);
    print MERGED "$entry\n";

    # Update ALL element variables
    $previous_element = $split[3];
    $previous_chr = $split[0];
    $previous_start = $split[1];
    $previous_end = $split[2];

}

}

# Complete the last entry
my @entry = ($previous_chr, $previous_start, $previous_end, $previous_element);
my $entry = join("\t", @entry);
chomp($entry);
print MERGED "$entry\n";

exit;

```

```
#####
# gBGC_bgclim3-3.R
#####

# Script to implement gBGC vs Null and gBGC+Sel vs gBGC LRTs
# Command line arguments are:
#     1) the sequence alignment file in fasta format
#     2) the foreground branch of interest in the model file (e.g. Tcyn or Clup). This
#        should match the name given in the neutral model file
#     3) the neutral model file
# Run script in a bash for loop over each fasta alignment of accelerated regions,
# using the bash redirect ">" to output results into an file. E.g.:
# for $file in *.fasta; do Rscript gBGC_bgclim3-3.R $file Tcyn mymodel.mod > $file.LRT 2> $file.err

# Load rphast library
library("rphast")

# Load command line arguments (see above)
args <- commandArgs(TRUE)

# Parse command line arguments
alnFasta <- args[1]
branch <- args[2]
mod <- args[3]

# Neutral model file hard-coded
model <- read.tm(mod)

# Read in the fasta alignment
align <- read.msa(alnFasta)

# Set model parameters and calculate likelihoods
modelData <- bgc.nucleotide.tests(align, model, branch, bgc.limits=c(3,3))

# Perform likelihood ratio tests
nullLikelihood <- modelData["null", "likelihood"]
gbgcLikelihood <- modelData["bgc", "likelihood"]
gbgcSelLikelihood <- modelData["sel+bgc", "likelihood"]
lrs <- c(gbgcLikelihood - nullLikelihood, + gbgcSelLikelihood - gbgcLikelihood)

# print results
print(paste(c(alnFasta, lrs), collapse = "  "))
```

```
#####  
# pairwise_identities.pl  
#####  
  
#!/usr/bin/perl  
  
use strict;  
use warnings;  
use Bio::AlignIO;  
use Bio::SimpleAlign;  
  
my $inFileName = $ARGV[0];  
  
my $input = Bio::AlignIO->new(-file => "$inFileName", -format => "fasta");  
  
my $aln = $input->next_aln();  
  
my $len = $aln->length;  
  
my $pwd = $aln->percentage_identity;  
  
my $weighted = $pwd / $len;  
  
print "$pwd\t$len\n";
```