

Supplementary Table 1. WT only peaks

Gene	Peak_Number	Gene_Strand	Chr	WT_start	WT_end	WT_FC
Bola3	14	+	chr6	83301932	83301999	7.149747
Sema4b	15	+	chr7	87354024	87354076	7.139551
Agpat4	34	+	chr17	12398281	12398358	6.918863
Aqp9	38	-	chr9	71013938	71014013	6.894818
Runx1	41	-	chr16	92715906	92715972	6.83289
Cd59b	46	+	chr2	103918652	103918688	6.794416
Etohd2	63	+	chr13	59871694	59871778	6.70044
Nek6	70	+	chr2	38386675	38386735	6.658211
Smad7	78	+	chr18	75662605	75662673	6.61471
Tbxas1	85	+	chr6	38860935	38860995	6.569856
Ubp1	91	+	chr9	113878224	113878311	6.507795
Kif2a	92	-	chr13	107890980	107891317	6.491853
Prkar2b	93	-	chr12	32795949	32796029	6.491853
Tomm7	95	-	chr5	23429772	23429828	6.491853
Atp1a1	96	-	chr3	101355843	101355917	6.475733
Megf11	97	+	chr9	64381439	64381512	6.475733
Bsg	103	+	chr10	79168875	79168955	6.442943
Trak2	105	-	chr1	59010986	59011072	6.442943
Entpd4	107	+	chr14	69936493	69936521	6.426265
Hmbs	112	-	chr9	44150391	44150467	6.392317
Gypa	114	+	chr8	83017836	83017933	6.392317
Rac2	119	-	chr15	78402172	78402245	6.375039
Spnb1	121	-	chr12	77771642	77771716	6.357552
Nfe2l2	122	-	chr2	75542860	75543360	6.357552
Ccnd3	124	+	chr17	47672880	47672965	6.33985
Ppa2	126	+	chr3	133002510	133002607	6.33985
Cno	130	-	chr5	37127399	37127488	6.33985
Cldn13	135	-	chr5	135389756	135389837	6.285402
Hagh	136	+	chr17	24996155	24996202	6.285402
Cdkl1	137	-	chr12	70858844	70858963	6.285402
Ipo11	139	-	chr13	107683441	107683469	6.285402
Alad	141	-	chr4	62177755	62177833	6.266787

Erp27	143	-	chr6	136879354	136879436	6.266787
Prkab1	145	-	chr5	116471680	116471746	6.247928
Cd47	146	+	chr16	49800363	49800447	6.247928
Tnfsf12-tnfsf13	149	-	chr11	69538050	69538583	6.228819
Cbfa2t3	154	-	chr8	125243717	125243899	6.209453
4933429F08Rik	156	-	chr18	61665085	61665453	6.209453
Alas2	164	+	chrX	146984344	146984372	6.189825
Chst11	165	+	chr10	82482350	82482437	6.189825
BC049635	166	-	chr4	42893125	42893209	6.189825
Trim56	167	-	chr5	137592367	137592445	6.189825
Smox	171	+	chr2	131323062	131323132	6.169925
Ube2h	180	-	chr6	30257828	30257906	6.129283
Abcg1	184	+	chr17	31171213	31171312	6.108524
Cbfa2t3	188	-	chr8	125209508	125209567	6.108524
Fam46c	192	-	chr3	100242536	100242598	6.108524
Prkar2b	195	-	chr12	32807928	32808008	6.108524
Rere	200	+	chr4	149835664	149835746	6.087463
Slc45a4	201	-	chr15	73476102	73476181	6.087463
Mthfr	204	+	chr4	147420740	147420777	6.087463
Klf1	206	+	chr8	87425138	87425244	6.066089
Atxn1	207	-	chr13	45945139	45945248	6.044394
Rhd	214	+	chr4	134425394	134425496	6.044394
Ap1m2	218	-	chr9	21118030	21118110	6.022368
Rcc2	220	+	chr4	140240108	140240184	6.022368
Hectd1	223	-	chr12	52930925	52930983	6
Slc7a5	224	-	chr8	124423235	124423291	6
Abcb4	225	+	chr5	8893586	8893647	6
Samd7	226	+	chr3	30664695	30664786	6
Ahctf1	234	-	chr1	181784586	181784618	5.97728
Trem14	240	+	chr17	48411704	48411794	5.954196
Rnf145	245	+	chr11	44322538	44322608	5.954196
Dapk2	246	+	chr9	66142972	66143015	5.954196
Tnrc6b	248	+	chr15	80591515	80591555	5.954196
Commd7	250	-	chr2	153409568	153409648	5.930737

Hspa12b	251	+	chr2	130961651	130961781	5.930737
Gse1	253	+	chr8	122894021	122894112	5.930737
Bzap1	256	+	chr11	87563759	87563814	5.930737
Utrn	260	-	chr10	12533025	12533104	5.882643
Ahi1	262	+	chr10	20774614	20774701	5.882643
Zeb2	264	-	chr2	45027555	45027644	5.857981
Rnf216	267	-	chr5	143819964	143820040	5.857981
Sec14l1	269	+	chr11	116975882	116975972	5.857981
Syng2	270	+	chr11	117658943	117659001	5.857981
Mbnl1	275	+	chr3	60407072	60407167	5.83289
Scoc	277	-	chr8	85947106	85947165	5.83289
Ube2v1	280	-	chr2	167454511	167454545	5.83289
Rbm38	282	+	chr2	172863843	172863937	5.807355
Solh	289	-	chr17	26098566	26098621	5.807355
Slc9a1	295	+	chr4	132946139	132946186	5.78136
Cep68	297	-	chr11	20131295	20131411	5.78136
Eaf1	303	+	chr14	32309608	32309655	5.78136
Ccnj	304	+	chr19	40888011	40888091	5.78136
Kit	307	+	chr5	75856581	75856690	5.754888
Slc6a9	308	+	chr4	117502836	117502939	5.754888
Slc30a10	310	+	chr1	187296357	187296479	5.754888
Trim8	313	+	chr19	46578261	46578347	5.754888
Clic4	314	-	chr4	134844056	134844126	5.754888
Il10ra	316	-	chr9	45082327	45082434	5.72792
Grb2	319	-	chr11	115579081	115579150	5.72792
Fam92b	320	-	chr8	122818026	122818096	5.72792
Rnf180	321	-	chr13	106090146	106090220	5.72792
Ccnd3	323	+	chr17	47732505	47732592	5.72792
Hemgn	325	-	chr4	46423701	46423787	5.72792
Mare	327	-	chr11	32169113	32169188	5.72792
Lpin2	330	+	chr17	71585035	71585106	5.70044
Azin1	331	-	chr15	38473350	38473449	5.70044
Tmem161b	333	+	chr13	84787747	84787846	5.70044
Por	334	+	chr5	136189410	136189477	5.70044

Pcx	337	+	chr19	4558674	4558794	5.70044
Zfp36l2	338	-	chr17	84547209	84547310	5.70044
Wdr26	339	-	chr1	183146648	183146737	5.70044
Dctn6	343	-	chr8	35160737	35160826	5.672425
Mtf1	348	+	chr4	124480282	124480327	5.672425
Commd7	349	-	chr2	153436791	153436819	5.672425
Sgms1	350	-	chr19	32254718	32254797	5.672425
Aqp8	353	+	chr7	130605875	130605953	5.643856
Nptn	355	+	chr9	58505767	58505871	5.643856
Idh2	358	-	chr7	87288382	87288454	5.643856
Uros	364	-	chr7	140894211	140894239	5.643856
Furin	365	-	chr7	87590480	87590509	5.643856
Gpr175	366	+	chr6	88865678	88865740	5.643856
Papola	369	+	chr12	106998356	106998445	5.61471
Trim2	371	-	chr3	84154382	84154468	5.61471
Ccr5	372	+	chr9	124052852	124052942	5.61471
Mgst3	374	-	chr1	169314422	169314494	5.61471
Rab22a	376	+	chr2	173412244	173412315	5.61471
Slc23a3	380	-	chr1	75133426	75133518	5.61471
Fermt3	381	-	chr19	7092702	7092731	5.584963
A930018P22Rik	384	+	chr2	103970403	103970489	5.584963
Snhg10	386	-	chr12	106264006	106264067	5.584963
Gadd45g	387	+	chr13	51944175	51944240	5.584963
Slc13a4	389	-	chr6	35204685	35204747	5.584963
Cbfa2t3	391	-	chr8	125224753	125224850	5.554589
Sphk1	392	+	chr11	116368026	116368119	5.554589
Fig4	393	-	chr10	40929047	40929141	5.554589
Med13l	395	+	chr5	118933708	118933761	5.554589
Nanp	396	-	chr2	150863770	150863849	5.554589
Bcas3	399	+	chr11	85153061	85153135	5.554589
6430527G18Rik	402	-	chr12	88175467	88175495	5.554589
Bcl11a	403	+	chr11	24030023	24030072	5.554589
D14Ert436e	405	-	chr14	48153280	48153318	5.523562
Ap1m1	406	+	chr8	74792309	74792398	5.523562

Tmod3	407	-	chr9	75406645	75406751	5.523562
Rogdi	408	-	chr16	5012786	5012866	5.523562
Ppif	409	+	chr14	26514734	26514795	5.523562
Alkbh4	410	+	chr5	136625295	136625368	5.523562
Nars	411	-	chr18	64702943	64703025	5.523562
Acaa2	412	+	chr18	74889023	74889114	5.523562
Slc16a10	414	-	chr10	39861098	39861168	5.523562
B4galt1	415	-	chr4	40796688	40796772	5.523562
Gfap	417	-	chr11	102757318	102757386	5.523562
Mapkapk3	422	-	chr9	107174842	107174911	5.491853
Cldn13	423	-	chr5	135395120	135395181	5.491853
Bmp2k	424	+	chr5	97350182	97350213	5.491853
Urod	427	-	chr4	116666341	116666440	5.491853
Col18a1	429	-	chr10	76622490	76622553	5.491853
Gypa	430	+	chr8	83025342	83025411	5.491853
Slc46a2	431	-	chr4	59876864	59876951	5.491853
Rfwd3	433	-	chr8	113836743	113836829	5.491853
Hgfac	434	+	chr5	35378530	35378613	5.491853
Car2	437	+	chr3	14877783	14877822	5.491853
Fam59a	438	-	chr18	21442311	21442391	5.491853
Ela3	439	-	chr4	136994859	136994911	5.491853
Slc35e3	443	-	chr10	117169379	117169421	5.491853
Cd59a	445	+	chr2	103938802	103939039	5.491853
Usp12	447	-	chr5	147515526	147515640	5.459432
Aqp4	448	-	chr18	15504111	15504216	5.459432
Slc6a9	450	+	chr4	117508517	117508616	5.459432
Asprv1	453	+	chr6	86589903	86589981	5.459432
Trfr2	454	+	chr5	138012068	138012162	5.459432
Slc14a1	455	-	chr18	78319948	78320014	5.459432
Hbb-y	457	-	chr7	111007734	111007812	5.459432
Ube2l6	458	+	chr2	84638836	84638909	5.459432
Rps6ka5	459	-	chr12	101743837	101743927	5.459432
BC051665	460	-	chr13	60844791	60844885	5.459432
Igsf3	461	+	chr3	101158574	101158642	5.459432

Sf3b5	462	+	chr10	12671334	12671410	5.459432
Egfl8	464	-	chr17	34750416	34750514	5.426265
Nek2	465	+	chr1	193679455	193679546	5.426265
Rad51l1	468	+	chr12	80713866	80713953	5.426265
Pnpo	473	-	chr11	96803422	96803468	5.426265
Tusc3	474	+	chr8	40074177	40074241	5.426265
Padi1	475	-	chr4	140410617	140410672	5.426265
Gpr56	476	+	chr8	97509192	97509221	5.426265
Fam46c	477	-	chr3	100233855	100233884	5.426265
Katnal1	478	-	chr5	149747093	149747186	5.392317
Gmpr	479	+	chr13	45623206	45623295	5.392317
Eral1	481	-	chr11	77879529	77879659	5.392317
Klf13	483	-	chr7	71041911	71041945	5.392317
Leprot	485	+	chr4	101327559	101327618	5.392317
Smap2	486	-	chr4	120689376	120689430	5.392317
Umps	487	-	chr16	34050354	34050420	5.392317
Bmp2k	489	+	chr5	97380892	97380975	5.392317
Phlda1	492	+	chr10	111032878	111032915	5.392317
Entpd4	493	+	chr14	69940124	69940223	5.357552
Cbfa2t3	494	-	chr8	125236128	125236157	5.357552
Efcab4b	496	+	chr6	127527883	127527977	5.357552
St3gal5	498	+	chr6	72059656	72059754	5.357552
Hao	501	-	chr17	84361654	84361714	5.357552
Selenbp1	502	+	chr3	94746648	94746732	5.357552
Elmo1	504	+	chr13	20242105	20242184	5.357552
Slc4a1	505	-	chr11	102236576	102236693	5.357552
Dusp8	506	-	chr7	149273112	149273198	5.357552
Aqp1	507	+	chr6	55306203	55306266	5.357552
Ppp1r13b	508	-	chr12	113146727	113146818	5.357552
Tmem150	512	+	chr6	72307792	72307853	5.357552
Ccnd3	515	+	chr17	47735194	47735253	5.357552
Ube1l	516	+	chr9	107874189	107874220	5.357552
Vps37b	520	-	chr5	124481237	124481284	5.357552
Ccdc12	521	+	chr9	110571133	110571193	5.357552

Sema4d	524	-	chr13	51833425	51833547	5.321928
Fam49a	525	+	chr12	12494954	12495337	5.321928
Kcnn4	526	+	chr7	25156445	25156808	5.321928
Mtf1	527	+	chr4	124451805	124451890	5.321928
Comt1	528	-	chr16	18460220	18460285	5.321928
Fam65a	529	+	chr8	108128738	108128769	5.321928
Gtpbp2	531	+	chr17	46296410	46296498	5.321928
Brpf3	532	+	chr17	28960462	28960541	5.321928
Nrip1	533	-	chr16	76323975	76324047	5.321928
Zswim6	534	-	chr13	108367527	108367593	5.321928
Tk1	535	-	chr11	117690655	117690683	5.321928
6430527G18Rik	536	-	chr12	88235556	88235628	5.321928
Mina	537	+	chr16	59459163	59459255	5.321928
Cbfa2t3	538	-	chr8	125223057	125223131	5.321928
Rnf44	539	-	chr13	54782027	54782070	5.321928
Hand1	542	-	chr11	57768089	57768193	5.285402
Ptma	543	+	chr1	88421074	88421159	5.285402
Asb6	544	-	chr2	30682953	30683038	5.285402
Gypc	545	-	chr18	32698130	32698220	5.285402
Pik3r1	546	-	chr13	102530350	102530479	5.285402
Slc2a1	548	+	chr4	118709357	118709435	5.285402
Rhag	549	+	chr17	40943749	40943854	5.285402
Ppp1r15b	550	+	chr1	135030021	135030117	5.285402
Tbcc	552	+	chr17	47023322	47023378	5.285402
Dhrs3	553	+	chr4	144624505	144624559	5.285402
Mpp2	554	-	chr11	101949882	101949951	5.285402
Slc38a5	558	+	chrX	7849289	7849358	5.285402
Carhsp1	561	-	chr16	8687039	8687138	5.247928
Fos	562	+	chr12	86796556	86796626	5.247928
Ptpre	563	+	chr7	142788823	142788888	5.247928
Mc3r	564	+	chr2	172085612	172085735	5.247928
D14Abb1e	565	+	chr14	28163129	28163242	5.247928
Prkce	567	+	chr17	86700777	86700872	5.247928
D930020E02Rik	568	-	chr14	69922977	69923071	5.247928

Ppa1	569	+	chr10	61111680	61111739	5.247928
Dnajb2	570	+	chr1	75233222	75233250	5.247928
Ndufa4	571	-	chr6	11677514	11677608	5.247928
Mfsd4	572	-	chr1	133992271	133992322	5.247928
Hist1h4d	573	+	chr13	23687984	23688088	5.247928
Eif5	574	+	chr12	112756254	112756333	5.247928
Aicda	575	+	chr6	122520796	122520887	5.247928
Ela1	576	-	chr15	100516466	100516495	5.247928
Mar-09	577	+	chr19	37312634	37312688	5.247928
Brd7	578	-	chr8	90886860	90886918	5.247928
Abcg4	579	-	chr9	44096634	44096709	5.247928
Mlf1ip	580	+	chr8	47632216	47632269	5.247928
Eif4g1	581	+	chr16	20674083	20674142	5.247928
Sipa1	582	-	chr19	5665566	5665644	5.247928
Map3k6	583	+	chr4	132803829	132804047	5.209453
Slc4a1	585	-	chr11	102225040	102225072	5.209453
Hivep1	586	+	chr13	42189098	42189170	5.209453
Klf16	588	-	chr10	80035424	80035513	5.209453
Ptp4a3	589	+	chr15	73573643	73573752	5.209453
Sphk1	593	+	chr11	116410718	116410812	5.209453
Jmjd1a	594	-	chr6	71611520	71611620	5.209453
Nav2	596	+	chr7	56247741	56247810	5.209453
Ccl22	597	+	chr8	97257797	97257882	5.209453
Sash3	598	+	chrX	45506795	45506865	5.209453
Tbc1d2b	600	-	chr9	90132644	90132718	5.209453
Epb4.9	601	-	chr14	71023797	71023861	5.209453
Gmpr	602	+	chr13	45641457	45641540	5.209453
Cldn10	603	+	chr14	119195447	119195559	5.209453
Rhbdf2	605	-	chr11	116477063	116477152	5.209453
Plvap	606	-	chr8	74035737	74035804	5.209453
Hes1	607	+	chr16	30160645	30160717	5.209453
Gem	608	+	chr4	11648659	11648732	5.209453
Aqp1	610	+	chr6	55274035	55274096	5.209453
Ccdc88c	611	-	chr12	102197471	102197521	5.209453

Selenbp2	612	+	chr3	94506486	94506531	5.209453
Cdkl1	613	-	chr12	70860665	70860714	5.209453
Ivns1abp	614	+	chr1	153024318	153024386	5.209453
2210404J11Rik	616	+	chr17	15221247	15221351	5.169925
Jarid2	617	+	chr13	44597318	44597385	5.169925
Hist2h4	619	-	chr3	96067208	96067300	5.169925
Cbfa2t3	620	-	chr8	125260291	125260361	5.169925
Lzts1	621	-	chr8	71645599	71645658	5.169925
Gtpbp1	622	+	chr15	79525101	79525191	5.169925
Mpst	625	+	chr15	78243618	78243698	5.169925
Csk	628	-	chr9	57491666	57491733	5.169925
Nt5c3	630	-	chr6	56855121	56855195	5.169925
Rnf19a	631	-	chr15	36290616	36290690	5.169925
Dock2	632	-	chr11	34415422	34415550	5.169925
Laptm4a	634	+	chr12	8930004	8930095	5.169925
Gtf3c6	635	-	chr10	39993909	39993998	5.169925
0610037P05Rik	636	-	chr16	14308657	14308734	5.169925
Ugcg	637	+	chr4	59288551	59288642	5.169925
Bola3	638	+	chr6	83332011	83332055	5.169925
Hcn2	641	+	chr10	79175347	79175440	5.169925
Oat	642	-	chr7	139686085	139686155	5.169925
Jsrp1	645	-	chr10	80281774	80281882	5.129283
Jhdm1d	647	-	chr6	39153333	39153450	5.129283
Mbd2	649	+	chr18	70723199	70723302	5.129283
Tsc2	650	-	chr17	24745967	24746067	5.129283
Med13l	653	+	chr5	118930106	118930183	5.129283
Kctd7	654	+	chr5	130620218	130620307	5.129283
Gpr146	655	+	chr5	139858806	139858835	5.129283
Mdc1	656	+	chr17	35988055	35988089	5.129283
Prdm14	657	-	chr1	13144664	13144736	5.129283
Zbtb12	660	+	chr17	35031066	35031095	5.129283
Acvrl1	661	+	chr15	100970412	100970486	5.129283
Ttyh3	663	-	chr5	141120811	141120869	5.129283
Gata1	664	-	chrX	7545500	7545554	5.129283

Eif3h	665	-	chr15	51660406	51660605	5.087463
Rabgef1	669	+	chr5	130647516	130647572	5.087463
Inpp5b	673	+	chr4	124429837	124429954	5.087463
Blm	674	-	chr7	87679444	87679493	5.087463
Isg20	675	+	chr7	86059000	86059076	5.087463
Ropn1l	676	-	chr15	31347848	31347918	5.087463
Itgb2	677	+	chr10	76994162	76994246	5.087463
Bmp2	678	+	chr2	133255630	133255677	5.087463
Tom1l1	679	-	chr11	90525759	90525851	5.087463
Odc1	680	+	chr12	17513009	17513085	5.087463
Myl9	681	+	chr2	156609292	156609334	5.087463
F2	684	-	chr2	91475138	91475194	5.087463
Cttn	687	-	chr7	151678897	151678970	5.087463
Mbnl1	688	+	chr3	60305105	60305178	5.087463
Rreb1	690	+	chr13	37851994	37852075	5.087463
Ppp2cb	691	+	chr8	34704404	34704468	5.087463
Crem	692	-	chr18	3270908	3270952	5.087463
Cdt1	693	+	chr8	125061818	125061849	5.087463
Fam92b	697	-	chr8	122817449	122817508	5.044394
Ptpre	698	+	chr7	142772973	142773059	5.044394
Txn2	699	-	chr15	77762209	77762275	5.044394
Plcg2	700	+	chr8	119873546	119873635	5.044394
Sox6	701	-	chr7	123085341	123085430	5.044394
Olfir524	702	-	chr7	147394251	147394342	5.044394
Ggta1	707	-	chr2	35359614	35359695	5.044394
Plxnc1	710	-	chr10	94394711	94394803	5.044394
Dgkz	711	-	chr2	91790251	91790316	5.044394
Bahd1	713	+	chr2	118713622	118713692	5.044394
Mrc2	714	+	chr11	105227447	105227519	5.044394
Dapk2	717	+	chr9	66124641	66124710	5.044394
Olfir631	720	+	chr7	111058655	111058726	5.044394
Ahctf1	724	-	chr1	181734011	181734116	5.044394
Hmcn1	725	-	chr1	152943429	152943499	5.044394
Agxt2l2	726	+	chr11	51358079	51358164	5.044394

Socs1	727	-	chr16	10676970	10677065	5.044394
Map2k2	728	+	chr10	80569346	80569413	5.044394
Zfp217	730	-	chr2	169954269	169954345	5.044394
Tatdn2	732	+	chr6	113640705	113640738	5.044394
Cops7b	734	+	chr1	88507800	88507851	5.044394
1700001O22Rik	735	-	chr2	30627723	30627752	5.044394
Cradd	736	-	chr10	94760613	94760715	5
Fryl	738	-	chr5	73583178	73583237	5
Abcb10	739	-	chr8	126512713	126512796	5
Creg2	741	-	chr1	39811514	39811604	5
Wdr67	742	+	chr15	57738450	57738531	5
Reps2	743	-	chrX	159116965	159117043	5
Ier5	744	-	chr1	156878156	156878200	5
Spnb2	745	-	chr11	30066347	30066409	5
Gpr68	748	-	chr12	102194415	102194492	5
Gadd45g	749	+	chr13	52071641	52071724	5
Rad23a	750	-	chr8	87362547	87362626	5
Reep3	752	-	chr10	66645999	66646090	5
D15Erttd621e	753	+	chr15	58426460	58426591	5
Ranbp3	754	+	chr17	56827584	56827649	5
Daam1	755	+	chr12	73033864	73033946	5
Dnaja4	757	+	chr9	54546240	54546327	5
Katnal1	760	-	chr5	149708842	149708871	5
Samsn1	761	-	chr16	75909447	75909516	5
2610301B20Rik	762	+	chr4	10842080	10842169	5
Idi2	764	+	chr13	8958851	8959074	5
Lpcat1	765	+	chr13	73612990	73613069	5
Ifi47	766	+	chr11	48901975	48902032	4.954196
Hand2	770	+	chr8	59589777	59589857	4.954196
Tap2	771	+	chr17	34347693	34347767	4.954196
1110034G24Rik	772	+	chr2	132515787	132515866	4.954196
Furin	774	-	chr7	87592404	87592484	4.954196
Gan	778	+	chr8	119787464	119787551	4.954196
Sgms1	781	-	chr19	32296710	32296784	4.954196

Lao1	782	+	chr4	118701127	118701230	4.954196
Pacs1	783	-	chr19	5267167	5267249	4.954196
Coq2	784	-	chr5	101073147	101073189	4.954196
Crkrs	785	+	chr11	98063978	98064039	4.954196
Rcsd1	786	-	chr1	167639944	167639993	4.954196
Csda	787	-	chr6	131337301	131337367	4.954196
Slc22a6	788	+	chr19	8679893	8679950	4.954196
Ccr1	789	-	chr9	123865066	123865169	4.954196
Ninj2	791	+	chr6	120124629	120124713	4.954196
Reln	792	-	chr5	21854351	21854393	4.954196
Tmem186	793	-	chr16	8612868	8612938	4.954196
Taok3	794	+	chr5	117583577	117583648	4.954196
Jak1	797	-	chr4	100919320	100919379	4.954196
Runx1	798	-	chr16	92884074	92884167	4.954196
2010002N04Rik	799	-	chr18	60662106	60662206	4.954196
Ptp4a3	800	+	chr15	73578672	73578703	4.954196
Depdc1b	802	+	chr13	109106077	109106204	4.906891
Tmem120b	803	+	chr5	123527039	123527256	4.906891
Fam113b	805	+	chr15	97076005	97076103	4.906891
Rlbp1	806	-	chr7	86503507	86503594	4.906891
Cyth3	807	+	chr5	144400833	144400929	4.906891
Txn1l	809	-	chr18	63887638	63887739	4.906891
Rheb	811	-	chr5	24361168	24361233	4.906891
Insig1	813	+	chr5	28398634	28398729	4.906891
Smap1	815	-	chr1	23928623	23928718	4.906891
2010011I20Rik	816	+	chr2	172173939	172174043	4.906891
Spz1	817	-	chr13	93362753	93362838	4.906891
Ndufa13	818	-	chr8	72427129	72427191	4.906891
Ccne1	819	-	chr7	38890438	38890573	4.906891
Slc30a10	820	+	chr1	187278437	187278550	4.906891
Kat2a	825	-	chr11	100583649	100583677	4.906891
Abcg1	826	+	chr17	31207855	31207940	4.906891
Tubb2a	828	-	chr13	34192712	34192790	4.906891
Fbxl22	829	-	chr9	66353480	66353588	4.906891

Vps18	830	+	chr2	119126400	119126503	4.906891
Phyhip	831	+	chr14	70866164	70866230	4.906891
Tm7sf3	832	-	chr6	146578638	146578734	4.906891
Zfp704	833	-	chr3	9581298	9581363	4.906891
Fbxo48	834	+	chr11	16877176	16877278	4.906891
Arhgef10l	835	-	chr4	140140212	140140288	4.906891
Sec14l1	836	+	chr11	116922193	116922222	4.906891
Me2	837	-	chr18	73975314	73975389	4.906891
Wbp4	838	-	chr14	79881744	79881814	4.906891
Fam162a	839	-	chr16	36062439	36062542	4.857981
Irgm1	840	-	chr11	48687249	48687316	4.857981
Pola2	842	-	chr19	5967754	5967782	4.857981
Slc43a3	843	+	chr2	84778510	84778604	4.857981
Atp2b4	844	-	chr1	135712395	135712748	4.857981
Cdc42ep2	845	-	chr19	5922145	5922243	4.857981
Galnt10	846	+	chr11	57465162	57465244	4.857981
A630007B06Rik	848	-	chr19	56876272	56876365	4.857981
Klhdc2	849	+	chr12	70394982	70395094	4.857981
Arhgap25	850	-	chr6	87492315	87492376	4.857981
Hectd1	853	-	chr12	52945998	52946079	4.857981
Cd47	855	+	chr16	49839864	49839948	4.857981
Pank1	856	-	chr19	34919451	34919525	4.857981
Nrip3	858	-	chr7	116961557	116961613	4.857981
Tnn	859	-	chr1	161991593	161991675	4.857981
Hist1h4m	860	+	chr13	21923956	21924014	4.857981
Rtn4rl1	861	+	chr11	75083979	75084015	4.857981
Parvb	862	+	chr15	84061742	84061859	4.857981
Hnrnp1	863	+	chr11	50191263	50191294	4.857981
Sdccag8	865	+	chr1	178752224	178752319	4.857981
Grtp1	866	-	chr8	13202921	13202977	4.857981
Arl6ip1	867	-	chr7	125272990	125273071	4.857981
8430427H17Rik	868	-	chr2	153309033	153309111	4.857981
5730593F17Rik	869	+	chr11	95195261	95195289	4.857981
Dapk2	870	+	chr9	66041973	66042089	4.857981

Efcab2	871	+	chr1	180332247	180332308	4.857981
rp9	873	-	chr9	22258083	22258112	4.857981
Zfand6	874	-	chr7	91871415	91871493	4.857981
Aldh4a1	875	+	chr4	139178967	139179006	4.857981
Ptprj	876	-	chr2	90406450	90406527	4.857981
Zfp36l1	877	-	chr12	80833816	80833884	4.857981
Fuca2	878	+	chr10	13222355	13222398	4.857981
Adcy7	879	+	chr8	90803637	90803718	4.857981
Ssbp3	880	+	chr4	106595729	106595777	4.857981
Sbf1	881	-	chr15	89116095	89116150	4.857981
Gan	882	+	chr8	119724916	119724954	4.857981
Rom1	883	-	chr19	9002655	9002707	4.857981
Stard3nl	884	-	chr13	19270350	19270402	4.857981
Aqp9	885	-	chr9	70994147	70994229	4.857981
Vwa5b2	887	+	chr16	20595365	20595404	4.857981
Vps37b	888	-	chr5	124469490	124469519	4.857981
Anp32a	890	+	chr9	62201725	62201772	4.857981
Gfpt1	891	+	chr6	87134163	87134236	4.857981
Pim1	892	+	chr17	29580711	29580740	4.857981
Veph1	893	-	chr3	65885156	65885193	4.857981
Fads3	894	+	chr19	10135376	10135446	4.807355
Tomm20	895	-	chr8	129371739	129371818	4.807355
Wdr40a	897	-	chr4	41278163	41278221	4.807355
Ptprj	898	-	chr2	90400304	90400427	4.807355
Lipc	899	-	chr9	70770159	70770276	4.807355
Add3	901	+	chr19	53260150	53260250	4.807355
Slamf7	902	-	chr1	173573821	173573889	4.807355
Sphk1	903	+	chr11	116395310	116395385	4.807355
Arhgef12	904	-	chr9	42910140	42910241	4.807355
Abcg2	905	+	chr6	58590682	58590768	4.807355
Fam92b	906	-	chr8	122849461	122849493	4.807355
Tmem154	907	+	chr3	84576037	84576137	4.807355
Npvf	908	-	chr6	50840910	50840972	4.807355
B9d2	909	+	chr7	26465580	26465685	4.807355

Fam83d	910	+	chr2	158593683	158593761	4.807355
Ip6k3	911	-	chr17	27290173	27290234	4.807355
2410004B18Rik	912	+	chr3	145627505	145627596	4.807355
Btg2	913	-	chr1	135989413	135989525	4.807355
Eif2c2	914	-	chr15	73042646	73042710	4.807355
Fam83g	915	+	chr11	61499786	61499857	4.807355
Nfya	917	-	chr17	48548227	48548322	4.807355
Rcc2	918	+	chr4	140252269	140252348	4.807355
Serpinb6b	919	+	chr13	33060596	33060650	4.807355
Ccnt2	920	+	chr1	129653221	129653273	4.807355
Lamp1	921	+	chr8	13159163	13159204	4.807355
Gan	923	+	chr8	119802281	119802385	4.807355
Homer1	924	+	chr13	94151412	94151486	4.807355
Sipa1l1	926	+	chr12	83327006	83327105	4.807355
4921520G13Rik	928	-	chr5	144654427	144654485	4.807355
Shank3	929	+	chr15	89328249	89328345	4.807355
2310047O13Rik	930	-	chr2	12294659	12294732	4.807355
4931406P16Rik	931	-	chr7	35097950	35098021	4.807355
Vps13d	933	-	chr4	144789946	144790019	4.807355
Nbl1	934	-	chr4	138672389	138672498	4.807355
Cnih3	935	+	chr1	183264996	183265051	4.807355
Cyp4a32	936	+	chr4	115255772	115255860	4.807355
Ninj1	937	+	chr13	49283423	49283475	4.807355
Odf3b	938	-	chr15	89209997	89210058	4.807355
Pgls	939	+	chr8	74115669	74115739	4.807355
Ublcp1	940	-	chr11	44283233	44283288	4.807355
Rab18	941	+	chr18	6773321	6773396	4.807355
Elmo1	942	+	chr13	20275558	20275586	4.807355
Trim55	943	+	chr3	19550691	19550738	4.807355
Rab11a	944	-	chr9	64640952	64641016	4.807355
Nrf1	946	+	chr6	30097154	30097237	4.807355
Tspyl3	947	-	chr2	153053823	153053851	4.807355
Sep-12	948	+	chr11	53332438	53332479	4.807355
Fam53a	949	-	chr5	33973368	33973410	4.807355

Ehd1	951	+	chr19	6300710	6300780	4.754888
Pitpnm2	952	-	chr5	124716980	124717111	4.754888
8430427H17Rik	953	-	chr2	153394365	153394445	4.754888
St6galnac5	954	-	chr3	152642558	152642666	4.754888
Il1rl2	955	+	chr1	40413109	40413224	4.754888
Cbx7	957	-	chr15	79758145	79758233	4.754888
Tnfaip2	959	+	chr12	112673382	112673462	4.754888
Dnajc11	960	+	chr4	151334844	151334917	4.754888
Psme3	961	+	chr11	101177062	101177133	4.754888
Adra2a	962	+	chr19	54161973	54162053	4.754888
Mc1r	963	+	chr8	125933153	125933214	4.754888
Srebf2	966	+	chr15	82014731	82014824	4.754888
Acvr1b	967	+	chr15	101007296	101007383	4.754888
Kif20b	969	+	chr19	35245169	35245242	4.754888
Atpif1	971	-	chr4	132086508	132086588	4.754888
Dscam	972	-	chr16	97128416	97128507	4.754888
Mtss1	973	-	chr15	58890840	58890943	4.754888
Plekho2	974	-	chr9	65402985	65403044	4.754888
4631426J05Rik	975	-	chr7	139453699	139453773	4.754888
Alpl	976	-	chr4	137307415	137307464	4.754888
Mare	977	-	chr11	32156256	32156340	4.754888
Calm1	978	+	chr12	101437717	101437750	4.754888
Cd97	979	-	chr8	86292496	86292525	4.754888
BC050777	981	+	chr2	181194847	181194909	4.754888
Mybbp1a	982	+	chr11	72289078	72289121	4.754888
Kat2b	983	+	chr17	53726900	53726957	4.754888
Fads3	984	+	chr19	10134880	10134954	4.754888
Galnt10	985	+	chr11	57468475	57468516	4.754888
Gmpr	986	+	chr13	45607643	45607675	4.754888
Garnl4	992	-	chr11	74360488	74360824	4.70044
Crif3	993	-	chr11	79894737	79895026	4.70044
Slc30a10	995	+	chr1	187339503	187339607	4.70044
Cux1	996	-	chr5	137099068	137099097	4.70044
Zbtb7a	998	+	chr10	80598178	80598244	4.70044

Hk1	1000	-	chr10	61790405	61790466	4.70044
Itsn1	1001	+	chr16	91804734	91804839	4.70044
Garnl4	1002	-	chr11	74390747	74390840	4.70044
Rfx2	1003	-	chr17	56966158	56966264	4.70044
Dnajb4	1004	-	chr3	151873219	151873294	4.70044
Slc39a8	1005	+	chr3	135506847	135506928	4.70044
Ccr9	1006	+	chr9	123566683	123566786	4.70044
Ubox5	1007	-	chr2	130461573	130461652	4.70044
Rffl	1008	-	chr11	82659762	82659843	4.70044
Il9r	1009	-	chr11	32100376	32100463	4.70044
Lrrc25	1010	+	chr8	73142060	73142130	4.70044
Vcan	1011	-	chr13	90028864	90028954	4.70044
Dapp1	1012	-	chr3	137614810	137614899	4.70044
Zfp217	1013	-	chr2	170048517	170048592	4.70044
Gpr146	1014	+	chr5	139858334	139858418	4.70044
Hbp1	1015	-	chr12	32658482	32658564	4.70044
Tmem120b	1016	+	chr5	123544512	123544570	4.70044
Plekha6	1017	+	chr1	135141311	135141399	4.70044
Hist1h2bb	1018	+	chr13	23838753	23838809	4.70044
Fam20b	1019	-	chr1	158675387	158675464	4.70044
Odc1	1020	+	chr12	17544971	17545065	4.70044
Scamp1	1021	-	chr13	94943708	94943782	4.70044
Gsdmc1	1022	-	chr15	63568057	63568113	4.70044
Ppm1e	1023	-	chr11	87123337	87123422	4.70044
Egln3	1025	-	chr12	55263906	55264013	4.70044
Mta3	1026	+	chr17	84136227	84136271	4.70044
Chst11	1028	+	chr10	82424951	82425035	4.70044
Mid1	1029	+	chrX	166435071	166435339	4.70044
Plekho2	1030	-	chr9	65423114	65423166	4.70044
Spire1	1031	-	chr18	67733260	67733314	4.70044
Galnt6	1032	-	chr15	100568989	100569037	4.70044
Pkd1l2	1033	-	chr8	119609533	119609633	4.70044
Ubxn11	1034	+	chr4	133662098	133662126	4.70044
Gfpt1	1035	+	chr6	87035269	87035297	4.70044

Clta	1036	+	chr4	44017145	44017194	4.70044
Hist1h4c	1038	-	chr13	23790220	23790268	4.70044
Slc30a10	1039	+	chr1	187293782	187293811	4.70044
Slc2a3	1040	-	chr6	122713146	122713216	4.70044
Emilin2	1049	-	chr17	71617985	71618034	4.643856
4930583H14Rik	1050	-	chr3	51192856	51192959	4.643856
Zfp36	1051	-	chr7	29168300	29168329	4.643856
Mn1	1052	+	chr5	111935952	111936040	4.643856
Cartpt	1053	-	chr13	100524346	100524389	4.643856
Pigl	1054	+	chr11	62280116	62280191	4.643856
Gpr146	1055	+	chr5	139865712	139865843	4.643856
Usp20	1056	+	chr2	30862110	30862243	4.643856
Ddx19a	1057	-	chr8	113512148	113512264	4.643856
Tmcc2	1058	-	chr1	134270961	134271037	4.643856
Trem12	1061	+	chr17	48438667	48438716	4.643856
Prdx6	1062	-	chr1	163182612	163182696	4.643856
Capzb	1063	+	chr4	138735973	138736036	4.643856
Ksr1	1064	-	chr11	78883507	78883590	4.643856
Armc2	1065	-	chr10	41777245	41777322	4.643856
Gtpbp1	1066	+	chr15	79526052	79526176	4.643856
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7017	1068	-	chr4	43618019	43618123	4.643856
Tfdp2	1069	+	chr9	96158978	96159094	4.643856
Cep55	1070	+	chr19	38128713	38128778	4.643856
Nrxn3	1071	+	chr12	90222597	90222660	4.643856
Baz2a	1072	+	chr10	127531189	127531271	4.643856
Echdc3	1073	-	chr2	6185225	6185304	4.643856
Mdm1	1074	+	chr10	117502083	117502163	4.643856
Ern1	1075	-	chr11	106376436	106376539	4.643856
Acss1	1077	-	chr2	150494255	150494284	4.643856
Cldn3	1078	+	chr5	135450194	135450240	4.643856
Pex5	1079	-	chr6	124325739	124325831	4.643856
Arl3	1080	-	chr19	46628228	46628317	4.643856
Pcsk9	1081	-	chr4	105921064	105921108	4.643856

Rgs10	1083	-	chr7	135542288	135542384	4.643856
Ppp1r9b	1084	+	chr11	94859064	94859134	4.643856
Zfp385b	1085	-	chr2	77340747	77340822	4.643856
Cmpk2	1086	+	chr12	27158107	27158194	4.643856
Relt	1087	-	chr7	107989568	107989646	4.643856
Camta1	1088	-	chr4	151104288	151104348	4.643856
A230051G13Rik	1089	-	chr11	58977297	58977348	4.643856
Gpc5	1090	+	chr14	116378647	116378699	4.643856
Ap2a2	1091	+	chr7	148771431	148771482	4.643856
Zfp652	1092	+	chr11	95574905	95574936	4.643856
Zfpm1	1093	+	chr8	124808688	124808744	4.643856
Rhof	1094	-	chr5	123599590	123599652	4.643856
Hist2h2aa2	1095	-	chr3	96049475	96049541	4.643856
Ankrd6	1096	-	chr4	32949602	32949680	4.643856
Nyx	1099	+	chrX	13038721	13038777	4.643856
Cdc6	1100	+	chr11	98779010	98779039	4.643856
Ifngr2	1041	+	chr16	91534935	91534963	4.610631
Abcb9	1042	-	chr5	124541900	124542277	4.584963
Sec23ip	1101	+	chr7	135998331	135998438	4.584963
Ak5	1103	-	chr3	152212239	152212353	4.584963
F2rl2	1104	+	chr13	96441520	96441748	4.584963
1200003I07Rik	1105	-	chr8	72240836	72241074	4.584963
Hebp1	1106	-	chr6	135115842	135115983	4.584963
Nek6	1107	+	chr2	38391871	38391981	4.584963
Frs2	1108	-	chr10	116543471	116543561	4.584963
Shq1	1109	-	chr6	100620527	100620618	4.584963
Lif	1111	+	chr11	4192386	4192462	4.584963
Zc3h4	1112	+	chr7	16987459	16987554	4.584963
Alas2	1114	+	chrX	146999355	146999446	4.584963
Hbs1l	1115	+	chr10	20988662	20988775	4.584963
Fdft1	1116	-	chr14	63799631	63799710	4.584963
Asb1	1119	+	chr1	93430212	93430257	4.584963
Ppm1d	1120	+	chr11	85111647	85111676	4.584963
Mbnl1	1122	+	chr3	60350276	60350368	4.584963

Spz1	1123	-	chr13	93363096	93363194	4.584963
Cdc6	1124	+	chr11	98766496	98766599	4.584963
Tmco5	1125	+	chr2	116824689	116824792	4.584963
Atp13a2	1126	+	chr4	140539500	140539533	4.584963
Scd2	1127	+	chr19	44376324	44376401	4.584963
Inpp5f	1128	+	chr7	135815913	135816026	4.584963
Mta2	1129	+	chr19	9018693	9018766	4.584963
5830415L20Rik	1130	+	chr5	3512811	3512858	4.584963
Ccdc80	1131	+	chr16	45025557	45025641	4.584963
Tcp11l2	1133	+	chr10	84038887	84038965	4.584963
Map3k6	1134	+	chr4	132793907	132794006	4.584963
Pcyt1b	1135	+	chrX	90946392	90946444	4.584963
Tsc22d1	1136	+	chr14	76932190	76932272	4.584963
Epm2a	1137	+	chr10	11043495	11043543	4.584963
Anubl1	1138	+	chr6	116237093	116237158	4.584963
St6galnac3	1139	-	chr3	153353114	153353183	4.584963
Mst1	1140	+	chr9	107982048	107982078	4.584963
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8594	1141	+	chr4	106890274	106890362	4.584963
Cul4a	1142	+	chr8	13108457	13108525	4.584963
Paxip1	1143	-	chr5	28034932	28035002	4.584963
Ier2	1145	-	chr8	87112575	87112607	4.584963
AB041550	1146	+	chr6	87690628	87690657	4.584963
Reep6	1147	+	chr10	79795015	79795056	4.584963
Srpk2	1148	-	chr5	23145246	23145330	4.584963
Cnnm2	1150	+	chr19	46923928	46924129	4.523562
Syngn1	1151	+	chr15	79927590	79927719	4.523562
Ubc	1155	-	chr5	125870010	125870100	4.523562
Anxa11	1156	+	chr14	26681750	26681851	4.523562
Aadacl1	1157	+	chr3	27092837	27092865	4.523562
Npepps	1158	-	chr11	97108273	97108360	4.523562
6720456H20Rik	1160	+	chr14	49157934	49158020	4.523562
Tbcel	1162	-	chr9	42269884	42269977	4.523562
Frat1	1163	+	chr19	41910420	41910501	4.523562

Atp2a3	1164	+	chr11	72759625	72759716	4.523562
Ankrd40	1165	+	chr11	94195795	94195875	4.523562
Xkr8	1167	-	chr4	132300349	132300424	4.523562
Smad7	1168	+	chr18	75663434	75663488	4.523562
Gm833	1169	+	chr4	152094812	152094889	4.523562
Cdc42ep3	1170	-	chr17	79750292	79750338	4.523562
Eif4g2	1171	-	chr7	118226451	118226527	4.523562
Rhof	1172	-	chr5	123586870	123586898	4.523562
Fbxl22	1173	-	chr9	66197738	66197810	4.523562
Slc12a4	1176	-	chr8	108485422	108485450	4.523562
Wipi1	1177	-	chr11	109418778	109418879	4.523562
Utp6	1178	-	chr11	79775796	79775843	4.523562
Cep164	1179	-	chr9	45596682	45596764	4.523562
Comt1	1180	-	chr16	18388043	18388101	4.523562
Sema4b	1181	+	chr7	87353138	87353222	4.523562
Lmtk2	1183	+	chr5	144866116	144866195	4.523562
Foxo3	1184	-	chr10	41964386	41964447	4.523562
Sppl3	1185	+	chr5	115507307	115507383	4.523562
Slc15a1	1186	-	chr14	121846215	121846313	4.523562
Ikzf1	1187	+	chr11	11633333	11633362	4.523562
Hbb-y	1188	-	chr7	111009527	111009639	4.523562
Schip1	1189	+	chr3	68303662	68303728	4.523562
Nt5c2	1190	-	chr19	47058580	47058845	4.523562
5730469M10Rik	1191	-	chr14	41820255	41820344	4.523562
Cd226	1192	+	chr18	89346183	89346258	4.523562
1110032A13Rik	1193	-	chr18	80390660	80390742	4.523562
Dscam	1195	-	chr16	97228265	97228350	4.523562
Bin3	1196	+	chr14	70506893	70506956	4.523562
Spna1	1197	+	chr1	176102815	176102894	4.523562
Gins2	1198	-	chr8	123064280	123064332	4.523562
Grina	1199	+	chr15	76081052	76081146	4.523562
St3gal6	1200	-	chr16	58501910	58501987	4.523562
Slc22a23	1201	-	chr13	34440473	34440536	4.523562
Qrsl1	1202	-	chr10	43511720	43511775	4.523562

Rnf220	1203	-	chr4	117154829	117154912	4.523562
Acss2	1204	+	chr2	155343775	155343835	4.523562
2010107E04Rik	1205	-	chr12	113183405	113183451	4.523562
Extl3	1207	-	chr14	65763893	65763953	4.523562
Aacs	1208	+	chr5	125956042	125956095	4.523562
Mrps36	1209	-	chr13	101514349	101514382	4.523562
Arhgap21	1210	-	chr2	20890911	20890985	4.523562
Actg1	1212	-	chr11	120201691	120201735	4.523562
Hist2h3c1	1214	-	chr3	96058706	96058777	4.523562
Ndst2	1216	-	chr14	21552552	21552587	4.523562
Epb4.2	1217	-	chr2	120862531	120862582	4.523562
Zbtb1	1218	+	chr12	77476529	77476563	4.523562
Fech	1219	-	chr18	64648796	64648863	4.459432
Hist1h3a	1220	-	chr13	23854110	23854172	4.459432
2700049P18Rik	1221	+	chr1	133424419	133424492	4.459432
Ptger4	1222	-	chr15	5193186	5193294	4.459432
Bnip3l	1225	-	chr14	67618500	67618619	4.459432
Ndufs5	1226	-	chr4	123395459	123395580	4.459432
Mknk2	1227	-	chr10	80147902	80147975	4.459432
Zmiz1	1228	+	chr14	26221155	26221219	4.459432
Atp1a2	1229	-	chr1	174234745	174234773	4.459432
Ptdss2	1230	+	chr7	148318221	148318297	4.459432
Ints6	1231	-	chr14	63379877	63379906	4.459432
Secisbp2	1232	+	chr13	51773340	51773447	4.459432
Plekhg3	1233	+	chr12	77677205	77677284	4.459432
Sgms1	1234	-	chr19	32314534	32314641	4.459432
Ehd1	1235	+	chr19	6285713	6285789	4.459432
Hnrnph1	1236	+	chr11	50190806	50190855	4.459432
A230069A22Rik	1237	-	chr4	155162564	155162665	4.459432
Gm572	1238	+	chr4	148045518	148045593	4.459432
Golph3	1239	+	chr15	12297549	12297603	4.459432
Opn4	1240	-	chr14	35436774	35436822	4.459432
Max	1241	-	chr12	78010327	78010410	4.459432
Mtss1	1242	-	chr15	58896653	58896729	4.459432

Acss1	1244	-	chr2	150491674	150491702	4.459432
Cd24a	1245	+	chr10	43366266	43366317	4.459432
Hist2h2aa2	1246	-	chr3	96044103	96044168	4.459432
Ano6	1247	+	chr15	95714199	95714276	4.459432
Ormdl3	1248	-	chr11	98441676	98441742	4.459432
Efnb2	1249	-	chr8	8489259	8489329	4.459432
Mt2	1250	+	chr8	96696676	96696741	4.459432
Rtn4r	1251	+	chr16	18159584	18159625	4.459432
Hist1h4d	1252	+	chr13	23677618	23677646	4.459432
Pdcd4	1253	+	chr19	53876477	53876533	4.459432
Pbx1	1254	-	chr1	170218464	170218535	4.459432
Mapk14	1255	+	chr17	28829414	28829469	4.459432
Plcg2	1256	+	chr8	120067796	120067878	4.459432
Ncapd3	1257	+	chr9	26838197	26838258	4.459432
Zrsr1	1258	+	chr11	22872086	22872131	4.459432
Smad3	1259	-	chr9	63606884	63606930	4.459432
Sla	1261	-	chr15	66650034	66650093	4.459432
Zswim6	1262	-	chr13	108361755	108361820	4.459432
Ldlrap1	1263	-	chr4	134307979	134308041	4.459432
Tssc1	1264	+	chr12	29494841	29494901	4.459432
Atg4d	1265	+	chr9	21068796	21068842	4.459432
Abtb1	1266	-	chr6	88783505	88783561	4.459432
Cds2	1267	+	chr2	132131008	132131094	4.459432
Trio	1268	-	chr15	27802230	27802303	4.459432
Fli1	1269	-	chr9	32327324	32327424	4.459432
D4Wsu53e	1271	+	chr4	134479475	134479593	4.459432
Rgs10	1272	-	chr7	135558159	135558188	4.459432
Rapgef1	1273	+	chr2	29538914	29538952	4.459432
Vmn2r29	1274	-	chr7	7230520	7230738	4.459432
Lat	1275	-	chr7	133491936	133491965	4.459432
Fam110c	1276	+	chr12	31759534	31759563	4.459432
Gm1964	1277	-	chr12	4879819	4879861	4.459432
Hopx	1278	-	chr5	77580280	77580341	4.459432
Rnf145	1279	+	chr11	44342812	44342840	4.459432

Rn4.5s	1280	-	chr6	47694795	47694992	4.459432
Eftud1	1281	+	chr7	89919981	89920022	4.459432
Nkx6-2	988	-	chr7	146891131	146891231	4.392317
Lgmn	1102	-	chr12	103664661	103664739	4.392317
Pitpnc1	1291	-	chr11	107329658	107329776	4.392317
Hist1h2ad	1292	+	chr13	23666305	23666417	4.392317
Slc38a8	1293	-	chr8	122012388	122012585	4.392317
4833409A17Rik	1294	-	chr19	42818681	42819078	4.392317
Apobec3	1295	+	chr15	79724192	79724585	4.392317
Hist1h3e	1296	-	chr13	23654123	23654224	4.392317
Ubac1	1297	-	chr2	25869308	25869418	4.392317
2310043N10Rik	1298	-	chr19	5848146	5848234	4.392317
Tbc1d7	1299	-	chr13	43331099	43331157	4.392317
Ly86	1300	+	chr13	37601354	37601465	4.392317
Pcsk9	1301	-	chr4	105905324	105905462	4.392317
Tet2	1303	-	chr3	133286478	133286561	4.392317
Stk24	1304	-	chr14	121764789	121764898	4.392317
Mxd4	1305	-	chr5	34530591	34530644	4.392317
Wbp4	1306	-	chr14	79886552	79886635	4.392317
Nck2	1307	+	chr1	43471239	43471307	4.392317
Rbm38	1308	+	chr2	172843597	172843699	4.392317
Runx1	1309	-	chr16	92765113	92765208	4.392317
Psmd9	1311	+	chr5	123673227	123673305	4.392317
Snx15	1312	-	chr19	6132539	6132639	4.392317
Zfhx3	1313	+	chr8	111136020	111136065	4.392317
Kcng3	1314	-	chr17	84050733	84050806	4.392317
Spatc1	1315	+	chr15	76093897	76093969	4.392317
Mt1	1316	+	chr8	96702802	96702830	4.392317
Creb3l1	1318	-	chr2	91895755	91895786	4.392317
Aff3	1320	-	chr1	38751037	38751078	4.392317
Plekho2	1321	-	chr9	65389738	65389781	4.392317
0610037P05Rik	1322	-	chr16	14307682	14307757	4.392317
Klf11	1323	+	chr12	25336707	25336789	4.392317
Cog1	1324	+	chr11	113512677	113512706	4.392317

Fhit	1326	-	chr14	11285586	11285627	4.392317
Kel	1327	-	chr6	41656425	41656516	4.392317
Cldn15	1328	+	chr5	137441212	137441289	4.392317
Rwdd3	1329	-	chr3	120904084	120904150	4.392317
Wbp2	1330	-	chr11	115950246	115950335	4.392317
Foxo3	1331	-	chr10	41984940	41984987	4.392317
Chsy1	1332	+	chr7	73341585	73341654	4.392317
Ehhadh	1333	-	chr16	21791995	21792073	4.392317
EG381438	1334	-	chr3	37657173	37657240	4.392317
Apol9b	1335	+	chr15	77604108	77604214	4.392317
Btg1	1336	+	chr10	96079625	96079654	4.392317
Aqp3	1337	-	chr4	41043986	41044059	4.392317
4932417H02Rik	1338	+	chr11	119532464	119532493	4.392317
3110002H16Rik	1339	+	chr18	12325417	12325482	4.392317
Ift57	1340	+	chr16	49775585	49775634	4.392317
Grcc10	1341	-	chr6	124690749	124690826	4.392317
Pdik1l	1342	-	chr4	133829519	133829593	4.392317
Tmc6	1343	-	chr11	117642216	117642306	4.392317
Fam13b	1344	-	chr18	34675899	34675983	4.392317
Nmnat3	1345	+	chr9	98199804	98199849	4.392317
Ankrd26	1346	-	chr6	118708631	118708878	4.392317
Ppm1a	1347	+	chr12	73891675	73891724	4.392317
Kazald1	1348	+	chr19	45151072	45151175	4.392317
Tsc22d1	1349	+	chr14	76932965	76933210	4.392317
Hspa4	1350	-	chr11	53113871	53113971	4.392317
Nol5a	1352	+	chr2	130091528	130091557	4.392317
Macrodl	1353	+	chr19	7141893	7142125	4.392317
Mtss1	1354	-	chr15	58844519	58844593	4.392317
4931406H21Rik	1355	+	chr14	26454085	26454132	4.392317
Hnrnpab	1356	-	chr11	51420303	51420355	4.392317
Spty2d1	1357	-	chr7	54278175	54278215	4.392317
Dusp5	1358	+	chr19	53539353	53539416	4.392317
Xpnpep1	1359	-	chr19	53133638	53133704	4.392317
Syt13	1360	+	chr2	92823519	92823601	4.392317

Rad51l1	1361	+	chr12	80398392	80398453	4.392317
Zeb2	1362	-	chr2	45040774	45040850	4.392317
Srm	1363	+	chr4	147965496	147965553	4.392317
Usp15	1364	-	chr10	122633089	122633140	4.392317
Klhl22	1365	+	chr16	17764294	17764365	4.392317
Mar-10	1366	-	chr15	31469855	31469933	4.392317
Abcb10	1367	-	chr8	126503068	126503134	4.392317
Ank	1368	+	chr15	27426934	27426962	4.392317
Hic2	1369	+	chr16	17249410	17249478	4.392317
Csf2rb	1370	+	chr15	78149273	78149365	4.392317
Cpt1a	1371	+	chr19	3334177	3334239	4.392317
Smpd1	1372	+	chr7	112702917	112702997	4.392317
Olfr420	1373	+	chr1	176089412	176089465	4.392317
Comt1	1374	-	chr16	18428951	18428980	4.392317
Pisd	1375	-	chr5	33069260	33069308	4.392317
Susd3	1376	-	chr13	49338158	49338201	4.392317
Agfg1	1377	+	chr1	82812605	82812634	4.392317
Saps2	1378	+	chr15	89046260	89046295	4.392317
Cldn13	1379	-	chr5	135391364	135391412	4.392317
Hist1h4d	1380	+	chr13	23673535	23673563	4.392317
Supt4h1	1381	+	chr11	87543261	87543290	4.392317
Nt5c3	1382	-	chr6	56852762	56852791	4.392317
2310043N10Rik	1383	-	chr19	5845331	5845455	4.321928
Pcyt1b	1384	+	chrX	90920281	90920458	4.321928
Rpn1	1385	+	chr6	88066371	88066525	4.321928
Csf2rb2	1386	-	chr15	78142981	78143128	4.321928
Trim56	1387	-	chr5	137578691	137579036	4.321928
Eapp	1388	-	chr12	55811467	55811808	4.321928
Suv420h2	1389	+	chr7	4695076	4695178	4.321928
Sh3bp5l	1390	+	chr11	58166730	58166796	4.321928
Zbtb9	1392	+	chr17	27093843	27093925	4.321928
Alox5ap	1393	+	chr5	150057766	150057806	4.321928
Galnt6	1395	-	chr15	100565828	100565926	4.321928
1700025G04Rik	1396	-	chr1	153862857	153862917	4.321928

Prom2	1397	-	chr2	127374544	127374641	4.321928
1700037H04Rik	1398	-	chr2	130978167	130978262	4.321928
Cyp26b1	1399	-	chr6	84278108	84278212	4.321928
Pbx1	1400	-	chr1	170238091	170238197	4.321928
Homer3	1401	+	chr8	72800436	72800552	4.321928
Prpf18	1402	-	chr2	4388485	4388558	4.321928
Comtd1	1403	-	chr14	22669698	22669799	4.321928
Insig1	1404	+	chr5	28397894	28397922	4.321928
Ptpn14	1405	+	chr1	191580749	191580855	4.321928
Fbxw5	1406	+	chr2	25358372	25358454	4.321928
5730508B09Rik	1407	-	chr3	127592639	127592728	4.321928
Spty2d1	1408	-	chr7	54264133	54264224	4.321928
Cmas	1410	+	chr6	142779918	142779999	4.321928
Gadd45g	1412	+	chr13	51937166	51937438	4.321928
6530418L21Rik	1413	+	chr3	105502275	105502373	4.321928
Exod1	1414	-	chr7	126928543	126928645	4.321928
Gda	1415	-	chr19	21483824	21483910	4.321928
Daam1	1417	+	chr12	72931248	72931298	4.321928
Tmem149	1418	+	chr7	31358196	31358261	4.321928
Aqp1	1419	+	chr6	55289585	55289673	4.321928
Lcp2	1420	+	chr11	33964260	33964312	4.321928
Rec8	1421	+	chr14	56237782	56237858	4.321928
Sox6	1422	-	chr7	122974654	122974722	4.321928
Cpne7	1424	+	chr8	125641086	125641190	4.321928
Fcnb	1425	-	chr2	27855876	27855936	4.321928
4921536K21Rik	1426	-	chr11	3787422	3787514	4.321928
Ehd1	1427	+	chr19	6284568	6284604	4.321928
Pip4k2c	1428	-	chr10	126642549	126642638	4.321928
Add1	1429	+	chr5	34924745	34924809	4.321928
Tmed1	1430	-	chr9	21314991	21315087	4.321928
Rxra	1431	+	chr2	27596072	27596101	4.321928
Nt5dc3	1432	+	chr10	86241180	86241256	4.321928
Ankrd13a	1433	+	chr5	115234699	115234745	4.321928
Agxt2l2	1435	+	chr11	51257385	51257471	4.321928

Dync1h1	1436	+	chr12	111829430	111829529	4.321928
Ranbp2	1437	+	chr10	57875232	57875262	4.321928
449631	1438	-	chr7	106623545	106623575	4.321928
Acp5	1439	-	chr9	21940216	21940272	4.321928
Cd34	1440	+	chr1	196641909	196641954	4.321928
Nudt2	1441	+	chr4	41412308	41412365	4.321928
Ccr1l1	1442	-	chr9	123896912	123896941	4.321928
St3gal5	1443	+	chr6	72052171	72052226	4.321928
2310022M17Rik	1444	-	chr11	31626106	31626196	4.321928
Eapp	1445	-	chr12	55839234	55839464	4.321928
Slc2a1	1446	+	chr4	118788515	118788581	4.321928
Accn4	1447	+	chr1	75460443	75460504	4.321928
Col4a3	1448	+	chr1	82634119	82634203	4.321928
Tubd1	1449	+	chr11	86400689	86400743	4.321928
E030049G20Rik	1450	-	chr1	128214500	128214585	4.321928
Zcchc17	1451	-	chr4	130037002	130037099	4.321928
Ptprj	1452	-	chr2	90394222	90394296	4.321928
Nnmt	1453	-	chr9	48457315	48457366	4.321928
Ltbp1	1454	+	chr17	75271959	75272021	4.321928
Mboat2	1455	+	chr12	25577518	25577550	4.321928
Darc	1456	-	chr1	175263529	175263599	4.321928
Grap2	1457	+	chr15	80362853	80362892	4.321928
Bmpr1a	1458	-	chr14	35321443	35321657	4.321928
Tnp1	1459	-	chr1	73119235	73119306	4.321928
Usp10	1461	+	chr8	122442098	122442153	4.321928
Larp2	1462	+	chr3	40973542	40973622	4.321928
B230120H23Rik	1463	+	chr2	72125347	72125427	4.321928
Tm2d1	1465	-	chr4	97765446	97765524	4.321928
Nrip1	1466	-	chr16	76314738	76314788	4.321928
Nisch	1467	-	chr14	32020430	32020480	4.321928
EG625424	1468	-	chr5	112788648	112788688	4.321928
Ube1l	1469	+	chr9	107874689	107874760	4.321928
Lat	1470	-	chr7	133500707	133500754	4.321928
Cry2	1471	-	chr2	92284747	92284775	4.321928

Gtf3c5	1473	-	chr2	28451802	28451830	4.321928
Rn4.5s	1474	-	chr6	47618122	47618151	4.321928
Prkaa1	1475	+	chr15	5090002	5090031	4.321928
1600002H07Rik	1476	-	chr17	24362997	24363039	4.321928
Gucy2g	1477	-	chr19	55293482	55293510	4.321928
Accn4	1478	+	chr1	75447117	75447145	4.321928
Il6	1480	+	chr5	30220506	30220546	4.321928
Tbc1d9	1481	+	chr8	85739082	85739116	4.321928
Igtp	1482	+	chr11	58013109	58013137	4.321928
6430706D22Rik	1486	-	chr1	90173898	90174088	4.247928
Relt	1487	-	chr7	107993948	107994064	4.247928
LOC665622	1489	+	chr13	21901835	21901864	4.247928
Gsk3a	1491	-	chr7	26023204	26023538	4.247928
Pnpla6	1492	+	chr8	3522419	3522536	4.247928
Spaca3	1493	+	chr11	80686209	80686292	4.247928
Ptk2b	1494	-	chr14	66884732	66884843	4.247928
Samd4b	1495	-	chr7	29221409	29221481	4.247928
Vps13c	1496	+	chr9	67722797	67722897	4.247928
Erg	1498	-	chr16	95660850	95660958	4.247928
Lypd4	1499	-	chr7	25638014	25638132	4.247928
Txndc11	1500	-	chr16	11135073	11135147	4.247928
Tmem14c	1501	+	chr13	41113341	41113427	4.247928
St3gal5	1502	+	chr6	72090539	72090647	4.247928
Glipr2	1505	+	chr4	43977287	43977367	4.247928
Ogfrl1	1506	-	chr1	23342718	23342774	4.247928
1110032E23Rik	1507	+	chr3	79711273	79711319	4.247928
Megf10	1508	+	chr18	57244837	57244904	4.247928
1700029F12Rik	1509	-	chr13	97836756	97836835	4.247928
Ppm1e	1510	-	chr11	87181805	87181910	4.247928
Tbl3	1511	-	chr17	24844324	24844394	4.247928
Arrdc2	1512	-	chr8	73367408	73367489	4.247928
Apoa1	1514	+	chr9	46015247	46015363	4.247928
Rpl10a	1515	+	chr17	28465473	28465547	4.247928
Ccdc44	1516	+	chr11	105918342	105918421	4.247928

G3bp1	1517	+	chr11	55344416	55344456	4.247928
8430427H17Rik	1518	-	chr2	153279832	153279886	4.247928
Mapk14	1519	+	chr17	28836862	28836992	4.247928
Cacna2d2	1520	+	chr9	107366712	107366812	4.247928
Gtf2f1	1521	-	chr17	57150733	57150802	4.247928
Rps7	1522	-	chr12	29320707	29320757	4.247928
Cdc42ep4	1523	-	chr11	113611185	113611225	4.247928
Islr2	1525	-	chr9	58061784	58061868	4.247928
Angpt1	1526	-	chr15	42355038	42355122	4.247928
Zfand5	1528	+	chr19	21346815	21346879	4.247928
4933429F08Rik	1529	-	chr18	61665589	61665617	4.247928
Hist1h2be	1530	-	chr13	23712600	23712678	4.247928
Lyst	1531	+	chr13	13631048	13631114	4.247928
Cited2	1532	+	chr10	17310143	17310208	4.247928
Nsl1	1533	+	chr1	192869288	192869334	4.247928
Fosb	1534	-	chr7	19911319	19911408	4.247928
Hist1h2bk	1535	+	chr13	22127891	22127919	4.247928
Arhgap15	1536	+	chr2	43691582	43691664	4.247928
Tgfbr2	1537	-	chr9	116245360	116245393	4.247928
Cep164	1538	-	chr9	45611614	45611697	4.247928
Atpif1	1539	-	chr4	132086076	132086163	4.247928
B4galnt4	1540	+	chr7	148228628	148228696	4.247928
Pik3cd	1541	-	chr4	149065280	149065342	4.247928
Ctsb	1542	+	chr14	63729303	63729355	4.247928
Cltc	1543	-	chr11	86556229	86556322	4.247928
Incenp	1544	-	chr19	10013379	10013429	4.247928
Abcc4	1545	-	chr14	118951132	118951193	4.247928
Clic4	1546	-	chr4	134843075	134843131	4.247928
Isoc2a	1547	+	chr7	4828356	4828391	4.247928
Fbxo2	1548	+	chr4	147578315	147578384	4.247928
Pim1	1549	+	chr17	29584357	29584386	4.247928
Pnpla1	1550	+	chr17	28969937	28970015	4.247928
Pnma1	1551	-	chr12	85492086	85492127	4.247928
Bzrap1	1552	+	chr11	87565294	87565363	4.247928

Dgkz	1553	-	chr2	91788431	91788469	4.247928
Ddhd1	1554	-	chr14	46273542	46273616	4.247928
Cdkl1	1555	-	chr12	70884754	70884837	4.247928
Zcchc7	1556	+	chr4	44826761	44826838	4.247928
6430571L13Rik	1557	+	chr9	107272212	107272250	4.247928
Asb1	1558	+	chr1	93436341	93436407	4.247928
Pdcd4	1559	+	chr19	53884039	53884115	4.247928
Sesn1	1560	+	chr10	41632266	41632336	4.247928
Wdr27	1561	-	chr17	15080104	15080147	4.247928
Gp5	1562	-	chr16	30309622	30309699	4.247928
Pkhd1l1	1563	+	chr15	44294390	44294470	4.247928
Adamtsl5	1564	-	chr10	79807911	79807964	4.247928
Paip2b	1565	-	chr6	83781731	83781796	4.247928
Abcg1	1567	+	chr17	31208154	31208183	4.247928
8430427H17Rik	1568	-	chr2	153281023	153281103	4.247928
Mapksp1	1569	+	chr3	137606783	137606818	4.247928
Ccnd3	1570	+	chr17	47658711	47658776	4.247928
Clec4e	1571	-	chr6	123239082	123239162	4.247928
Lao1	1572	+	chr4	118691325	118691387	4.247928
Dhrs4	1573	+	chr14	56011348	56011422	4.247928
Mapkapk2	1574	-	chr1	132965024	132965064	4.247928
Tcfap2c	1575	+	chr2	172456003	172456033	4.247928
Lass2	1577	+	chr3	95116769	95116827	4.247928
Zbtb16	1578	-	chr9	48531917	48531983	4.247928
Ddit4	1579	-	chr10	59414442	59414492	4.247928
Abcc1	1581	+	chr16	14377547	14377582	4.247928
Top3a	1582	-	chr11	60588526	60588576	4.247928
Ppp6c	1583	-	chr2	39180814	39180858	4.247928
Wdr26	1584	-	chr1	183179843	183179874	4.247928
Cttnbp2	1585	-	chr6	18384921	18384993	4.247928
Slc12a3	1586	+	chr8	96830922	96831120	4.247928
Adamtsl1	1587	+	chr4	85599581	85599630	4.247928
Abi3	1589	-	chr11	95695954	95696014	4.247928
Zfp609	1590	-	chr9	65635425	65635453	4.247928

Angel1	1591	-	chr12	88141874	88141904	4.247928
Brd2	1592	-	chr17	34261715	34261759	4.247928
Hnrnpa2b1	1593	-	chr6	51419740	51419769	4.247928
Fam110c	1594	+	chr12	31759357	31759411	4.247928
Ptgs1	1595	+	chr2	36054262	36054290	4.247928
Angel1	1597	-	chr12	88142002	88142031	4.247928
Cox4i2	1598	+	chr2	152615381	152615438	4.169925
Rpn1	1600	+	chr6	88066869	88066964	4.169925
Gpr97	1601	+	chr8	97525735	97525907	4.169925
H3f3b	1602	-	chr11	115885669	115885812	4.169925
Tbc1d24	1603	-	chr17	24340019	24340116	4.169925
Orai3	1605	+	chr7	134910860	134910981	4.169925
Dmrta1	1606	+	chr4	89176833	89176947	4.169925
Ndfip1	1607	+	chr18	38643212	38643289	4.169925
Wdr34	1608	-	chr2	29905452	29905530	4.169925
Agpat4	1609	+	chr17	12230039	12230151	4.169925
As3mt	1610	+	chr19	46802540	46802612	4.169925
Ankrd26	1612	-	chr6	118708426	118708525	4.169925
Ahnak	1614	+	chr19	9108365	9108471	4.169925
Fen1	1615	-	chr19	10277780	10277850	4.169925
Zfpm1	1616	+	chr8	124843423	124843476	4.169925
Tspan32	1617	+	chr7	150190717	150190831	4.169925
Klrb1b	1618	-	chr6	128795490	128795585	4.169925
Klf5	1619	+	chr14	99663308	99663383	4.169925
Zdhhc19	1620	+	chr16	32509231	32509298	4.169925
Ncl	1621	-	chr1	88255829	88255858	4.169925
Zfp516	1622	+	chr18	82940641	82940766	4.169925
Sema4d	1623	-	chr13	51843569	51843626	4.169925
Rpl32	1624	-	chr6	115764355	115764444	4.169925
N4bp2l1	1625	-	chr5	151381638	151381698	4.169925
Vps37b	1627	-	chr5	124460979	124461037	4.169925
Brd2	1629	-	chr17	34256199	34256328	4.169925
Serbp1	1630	+	chr6	67268707	67268776	4.169925
Rogdi	1631	-	chr16	5013273	5013338	4.169925

Lipc	1632	-	chr9	70774804	70774835	4.169925
Mgst2	1634	+	chr3	51548430	51548690	4.169925
Grb10	1635	-	chr11	11910210	11910248	4.169925
Col18a1	1636	-	chr10	76597350	76597427	4.169925
OTTMUSG0000000						
0601	1637	-	chr13	24695096	24695178	4.169925
Ddx50	1638	-	chr10	62130916	62131009	4.169925
Iqsec1	1639	-	chr6	90700197	90700277	4.169925
Cabyr	1640	+	chr18	12969443	12969514	4.169925
Hs3st3a1	1641	+	chr11	64322768	64322861	4.169925
Kcnb1	1642	-	chr2	166967462	166967548	4.169925
Add3	1643	+	chr19	53266730	53266778	4.169925
2310043N10Rik	1644	-	chr19	5844394	5844457	4.169925
2700097O09Rik	1645	-	chr12	56154407	56154492	4.169925
Hao	1646	-	chr17	84356286	84356359	4.169925
Flt1	1647	-	chr5	148469606	148469673	4.169925
Pklr	1648	+	chr3	88939967	88940021	4.169925
Gcnt1	1649	-	chr19	17411893	17411976	4.169925
Zfp608	1650	-	chr18	55062313	55062375	4.169925
Stk38l	1651	+	chr6	146635405	146635473	4.169925
Bap1	1652	+	chr14	32073607	32073686	4.169925
Snx14	1653	-	chr9	88299036	88299100	4.169925
Tgfbr3	1654	-	chr5	107666112	107666180	4.169925
Hist1h1a	1655	+	chr13	23856439	23856504	4.169925
Agrn	1656	-	chr4	155559849	155559950	4.169925
Polr2a	1657	-	chr11	69572043	69572106	4.169925
OTTMUSG0000000						
7017	1658	-	chr4	43611232	43611328	4.169925
Ampd3	1659	+	chr7	117918348	117918403	4.169925
Sh3bgrl3	1660	-	chr4	133680330	133680368	4.169925
Hmgb1	1661	-	chr5	149898215	149898298	4.169925
Rbm45	1662	+	chr2	76210467	76210502	4.169925
Eif4g2	1663	-	chr7	118323066	118323132	4.169925
Tapt1	1664	-	chr5	44614587	44614653	4.169925

Itga4	1665	+	chr2	79099639	79099675	4.169925
Hdac11	1666	+	chr6	91113348	91113406	4.169925
4933403F05Rik	1667	-	chr18	68390015	68390083	4.169925
Gnat2	1668	+	chr3	107899707	107899779	4.169925
Zfp385b	1669	-	chr2	77336466	77336685	4.169925
Trak2	1670	-	chr1	59010677	59010740	4.169925
Eif4a3	1671	-	chr11	119161403	119161478	4.169925
St3gal4	1672	-	chr9	34931307	34931340	4.169925
Gas5	1673	+	chr1	162965282	162965325	4.169925
Klf9	1674	+	chr19	23215671	23215700	4.169925
Tbc1d24	1675	-	chr17	24336429	24336503	4.169925
Tmem107	1676	+	chr11	68887044	68887257	4.169925
Elof1	1677	-	chr9	21926151	21926203	4.169925
Lgals3bp	1678	-	chr11	118262022	118262081	4.169925
Cyp2d26	1679	-	chr15	82641078	82641152	4.169925
Crtc3	1680	-	chr7	87847598	87847644	4.169925
Haao	1681	-	chr17	84308364	84308421	4.169925
Slc16a13	1682	-	chr11	70035441	70035501	4.169925
B4galnt1	1683	+	chr10	126607230	126607300	4.169925
Tmem53	1684	+	chr4	116985158	116985210	4.169925
2010011I20Rik	1685	+	chr2	172123793	172123841	4.169925
Pdk1	1686	+	chr2	71712629	71712677	4.169925
Gpc4	1687	-	chrX	49504380	49504409	4.169925
Myo3a	1688	+	chr2	21885857	21885924	4.169925
Gadd45g	1689	+	chr13	51942067	51942096	4.169925
Cecr2	1690	+	chr6	120554645	120554706	4.169925
Lin54	1691	-	chr5	100858527	100858576	4.169925
Gramd4	1692	+	chr15	85881633	85881662	4.169925
1190002H23Rik	1693	-	chr14	79707033	79707062	4.169925
Rin3	1694	+	chr12	103496853	103496905	4.169925
Zfp750	1695	-	chr11	121420997	121421195	4.169925
Cdk5rap3	1696	-	chr11	96778975	96779004	4.169925
Dnajb12	1697	+	chr10	59338231	59338260	4.169925
1700025G04Rik	1698	-	chr1	153897327	153897355	4.169925

Hist1h3d	1699	+	chr13	23667697	23667727	4.169925
Capn5	1700	-	chr7	105324039	105324071	4.169925
Baat	1701	-	chr4	49491523	49491577	4.169925
Plcg2	1702	+	chr8	119864328	119864357	4.169925
Ctage5	1703	+	chr12	60232351	60232381	4.169925
Pde4a	1706	+	chr9	20973178	20973206	4.169925
Colq	1707	-	chr14	32383385	32383414	4.169925
Tsc22d3	1708	-	chrX	137102411	137102461	4.169925
Atxn7l1	1709	+	chr12	33905708	33905740	4.169925
Fth1	1710	+	chr19	10057903	10057932	4.169925
Capn3	1711	+	chr2	120272275	120272311	4.169925
Afg3l2	1712	-	chr18	67596335	67596363	4.169925
Nxph1	1713	+	chr6	9840046	9840075	4.169925
Smox	1714	+	chr2	131322292	131322320	4.169925
Tob1	1715	+	chr11	94072738	94072829	4.087463
Lrrc8c	1717	+	chr5	105994837	105994975	4.087463
Ergic3	1718	+	chr2	155814955	155815089	4.087463
Mxi1	1720	+	chr19	53331617	53331695	4.087463
Parp16	1721	+	chr9	65063656	65063764	4.087463
Ripk4	1722	-	chr16	98019689	98019776	4.087463
Asap1	1723	-	chr15	64143460	64143517	4.087463
Cercam	1724	+	chr2	29725688	29725768	4.087463
Msh6	1725	+	chr17	88375006	88375109	4.087463
Hspa5	1726	+	chr2	34627574	34627643	4.087463
Asns	1727	-	chr6	7648172	7648200	4.087463
Trim7	1728	+	chr11	48652010	48652116	4.087463
Tlcd2	1729	+	chr11	75274994	75275085	4.087463
Slc16a13	1731	-	chr11	70034670	70034756	4.087463
Tox2	1732	+	chr2	163054911	163055032	4.087463
Slc30a10	1733	+	chr1	187293472	187293540	4.087463
A930005I04Rik	1734	+	chr5	35261548	35261657	4.087463
Tsc22d1	1735	+	chr14	76904354	76904436	4.087463
Trib2	1737	-	chr12	16146111	16146191	4.087463
Mxi1	1738	+	chr19	53332253	53332354	4.087463

Gpr114	1739	+	chr8	97446669	97446770	4.087463
Mrpl1	1740	+	chr5	96638524	96638584	4.087463
Myo10	1741	+	chr15	25538660	25538760	4.087463
Icam2	1742	-	chr11	106243995	106244096	4.087463
Thsd4	1744	-	chr9	60393321	60393418	4.087463
Tubb3	1745	+	chr8	125940512	125940778	4.087463
Ppid	1746	+	chr3	79384209	79384323	4.087463
Psmg1	1747	-	chr16	96082982	96083101	4.087463
Gpr64	1748	+	chrX	156823116	156823182	4.087463
Glrx5	1749	+	chr12	106277321	106277407	4.087463
4921505C17Rik	1751	+	chr15	6655562	6655634	4.087463
Ezh1	1752	-	chr11	101093582	101093690	4.087463
3110002H16Rik	1753	+	chr18	12325828	12325909	4.087463
Hist1h2ag	1754	-	chr13	22134654	22134784	4.087463
Prkar2b	1755	-	chr12	32739479	32739541	4.087463
Abca1	1756	-	chr4	53134116	53134209	4.087463
Cx3cl1	1757	+	chr8	97311824	97311881	4.087463
Lrrc8b	1758	+	chr5	105840178	105840283	4.087463
Pf4	1759	+	chr5	91201506	91201755	4.087463
Atp1b1	1760	-	chr1	166371890	166371959	4.087463
Olfm1	1761	+	chr2	27997292	27997356	4.087463
Cnnm2	1762	+	chr19	46835941	46836036	4.087463
Klf13	1763	-	chr7	71101188	71101302	4.087463
Dlg1	1764	+	chr16	31598495	31598554	4.087463
Abcg1	1766	+	chr17	31228448	31228533	4.087463
Tbc1d10a	1767	+	chr11	4086632	4086695	4.087463
Rapgef2	1768	-	chr3	79042777	79042855	4.087463
Lyl1	1769	+	chr8	87248713	87248759	4.087463
Pdcd4	1770	+	chr19	53965295	53965368	4.087463
Pip5k1b	1771	-	chr19	24609343	24609412	4.087463
Tbc1d7	1772	-	chr13	43325259	43325308	4.087463
Azin1	1773	-	chr15	38448948	38448978	4.087463
Tifa	1774	+	chr3	127495143	127495213	4.087463
Ppp2r5a	1775	-	chr1	193274566	193274634	4.087463

Iffo1	1776	+	chr6	125095125	125095220	4.087463
Mdc1	1777	+	chr17	35978092	35978164	4.087463
Steap3	1779	-	chr1	122155938	122155986	4.087463
1110004E09Rik	1780	-	chr16	90964606	90964831	4.087463
Myc	1781	+	chr15	61816530	61816559	4.087463
Traf4	1782	-	chr11	77982139	77982194	4.087463
Adck2	1783	+	chr6	39531591	39531670	4.087463
Zfp831	1784	+	chr2	174441537	174441566	4.087463
Foxb2	1785	-	chr19	17087692	17087777	4.087463
Glis1	1786	+	chr4	107278653	107278682	4.087463
Hist1h2bl	1787	-	chr13	21807744	21807965	4.087463
Zeb2	1788	-	chr2	45135139	45135228	4.087463
Txnip	1791	+	chr3	96361755	96361974	4.087463
Eef1a1	1792	-	chr9	78329363	78329469	4.087463
2610014I16Rik	1793	-	chr7	16860876	16860945	4.087463
Pabpn1	1794	-	chr8	125142701	125142729	4.087463
Amd2	1795	-	chr10	40022638	40022711	4.087463
Ermap	1796	-	chr4	118863325	118863393	4.087463
Il1rap	1798	+	chr16	26581870	26581958	4.087463
Wbscr17	1799	-	chr5	132290190	132290262	4.087463
Hist1h4h	1800	+	chr13	23622981	23623051	4.087463
Dnaja4	1801	+	chr9	54552367	54552418	4.087463
Gpr155	1803	-	chr2	73291871	73291931	4.087463
Necap2	1804	-	chr4	140624783	140624842	4.087463
Ela1	1805	-	chr15	100504439	100504506	4.087463
Prkca	1807	-	chr11	108096838	108096867	4.087463
Ap1m2	1808	-	chr9	21119355	21119385	4.087463
Ifnar2	1809	+	chr16	91366969	91367167	4.087463
Kif2a	1810	-	chr13	107853624	107853652	4.087463
Etohd2	1811	+	chr13	59897172	59897208	4.087463
Slfn5	1812	+	chr11	82765967	82765996	4.087463
Fam122a	1814	-	chr19	24587575	24587772	4.087463
Ccnd3	1815	+	chr17	47660349	47660546	4.087463
Ext1	1816	-	chr15	53034038	53034100	4.087463

Leo1	1817	+	chr9	75279318	75279346	4.087463
Sesn2	1818	-	chr4	132066217	132066410	4.087463
Cd9	1819	-	chr6	125423524	125423558	4.087463
Solh	1820	-	chr17	26149163	26149194	4.087463
Stx4a	1822	+	chr7	134984915	134985104	4.087463
Bach1	1823	+	chr16	87698063	87698092	4.087463
Fam46c	1824	-	chr3	100243142	100243177	4.087463
Ppan	1825	+	chr9	20694146	20694175	4.087463
Rn4.5s	1826	-	chr6	47713339	47713367	4.087463
Gabbr2	1827	-	chr4	46867111	46867140	4.087463
Mrpl52	1828	+	chr14	55045540	55045569	4.087463
Olfr161	1829	+	chr16	3237015	3237043	4.087463
Klf13	1830	-	chr7	71086506	71086625	4.087463
Adora3	1046	+	chr3	105695564	105695645	4.060672
Slc40a1	989	-	chr1	45983385	45983490	4
Rgs12	1288	+	chr5	35317494	35317579	4
Tmem120b	1599	+	chr5	123544785	123544881	4
Gstm5	1834	+	chr3	107699153	107699420	4
Vdac2	1836	+	chr14	22642378	22642531	4
Elac2	1837	+	chr11	64614954	64615059	4
LOC665622	1838	+	chr13	21925588	21925934	4
Nol5a	1839	+	chr2	130099974	130100319	4
Secisbp2	1840	+	chr13	51781119	51781148	4
Tubb3	1841	+	chr8	125933992	125934043	4
Tcf25	1842	+	chr8	125897593	125897722	4
Hist1h2bm	1843	+	chr13	21814005	21814033	4
Pik3r1	1844	-	chr13	102322545	102322664	4
Ubb	1847	+	chr11	62364939	62365034	4
Fgf2	1848	+	chr3	37231204	37231318	4
Nsmce1	1849	-	chr7	132615942	132615975	4
Iqgap2	1850	-	chr13	96735343	96735371	4
Hist1h2bf	1851	-	chr13	23665899	23665979	4
Hist1h2ah	1852	-	chr13	22127285	22127385	4
Vrk1	1854	+	chr12	107265071	107265215	4

Runx1	1855	-	chr16	92697417	92697688	4
Arhgap6	1856	+	chrX	165544354	165544462	4
Ankra2	1857	+	chr13	99045690	99045772	4
Lincr	1858	-	chr1	36330365	36330453	4
Gga2	1859	-	chr7	129161868	129161958	4
Hist1h3c	1860	-	chr13	23837213	23837326	4
Fdft1	1861	-	chr14	63796824	63796942	4
St3gal1	1862	-	chr15	66952423	66952504	4
Siva1	1863	+	chr12	113882568	113882659	4
Trim25	1864	+	chr11	88890335	88890432	4
Nubp2	1865	-	chr17	25023516	25023595	4
Rnf44	1866	-	chr13	54795226	54795489	4
EG639396	1867	+	chr9	72547611	72547664	4
Fam3c	1868	-	chr6	22352169	22352251	4
B9d2	1869	+	chr7	26468714	26468775	4
Prkcq	1870	+	chr2	11148286	11148366	4
Rnf181	1871	-	chr6	72311362	72311391	4
Scd1	1872	-	chr19	44469511	44469606	4
Map2k3	1873	+	chr11	60748910	60749003	4
Hecw1	1874	-	chr13	14635185	14635262	4
D11Wsu99e	1875	-	chr11	113542405	113542444	4
Nars	1876	-	chr18	64699860	64699920	4
Ier2	1877	-	chr8	87119778	87119861	4
Noxa1	1878	-	chr2	24966810	24966896	4
Cd44	1880	-	chr2	102707976	102708058	4
Snhg3	1882	-	chr4	131909413	131909659	4
Kif5b	1884	-	chr18	6275752	6275849	4
Lpl	1885	+	chr8	71426794	71426874	4
Fa2h	1886	-	chr8	113969574	113969683	4
Mobkl1a	1887	+	chr5	89153312	89153429	4
C330043M08Rik	1888	+	chr6	55213716	55213813	4
Fam49b	1889	-	chr15	63949167	63949246	4
Pitrm1	1890	+	chr13	6549667	6549753	4
Zmat2	1891	+	chr18	36961555	36961622	4

Usp14	1892	-	chr18	10029537	10029637	4
Zkscan3	1893	-	chr13	21510877	21510968	4
Rxrg	1894	+	chr1	169477454	169477552	4
Pfkp	1895	-	chr13	6641883	6641950	4
Sgsm3	1896	+	chr15	80857972	80858001	4
Nsl1	1897	+	chr1	192879209	192879268	4
Manbal	1898	+	chr2	157193431	157193494	4
Akt1	1899	-	chr12	113912982	113913051	4
0610010O12Rik	1900	+	chr18	36543863	36543950	4
Atp2b1	1901	+	chr10	98368701	98368754	4
Banp	1902	+	chr8	124474440	124474484	4
Chrne	1903	-	chr11	70410920	70410962	4
Cr2	1904	-	chr1	197067672	197067897	4
Pgm2l1	1905	+	chr7	107375881	107375910	4
Rec8	1906	+	chr14	56233691	56233771	4
Emilin2	1907	-	chr17	71638996	71639044	4
Mtss1	1908	-	chr15	58888174	58888252	4
1700037H04Rik	1909	-	chr2	130985248	130985313	4
Asah2	1910	-	chr19	32212891	32212964	4
Lmbr1	1911	-	chr5	29705417	29705488	4
Tubb2c	1912	-	chr2	25079687	25079742	4
9830134C10Rik	1913	+	chr17	29302538	29302583	4
Cpox	1914	+	chr16	58669621	58669679	4
Myo18a	1915	+	chr11	77605363	77605432	4
Ptdss2	1916	+	chr7	148332075	148332172	4
Igf1r	1917	+	chr7	75118667	75118770	4
Txn14a	1918	+	chr18	80403474	80403561	4
Traf5	1919	-	chr1	193915810	193915895	4
Pus1	1920	-	chr5	111211008	111211046	4
Cpox	1921	+	chr16	58662165	58662193	4
Map3k6	1922	+	chr4	132789284	132789354	4
Hist1h2ac	1923	-	chr13	23775585	23775793	4
Col4a3	1924	+	chr1	82644648	82644730	4
1700008J07Rik	1925	-	chr7	134655473	134655502	4

Mapt	1927	+	chr11	104154738	104154826	4
Lgals3bp	1928	-	chr11	118261380	118261429	4
Nnmt	1929	-	chr9	48520074	48520119	4
Wipi1	1930	-	chr11	109473111	109473173	4
Daf2	1931	-	chr1	131853384	131853459	4
Pstpip2	1932	+	chr18	78104389	78104421	4
E2f4	1933	+	chr8	107824009	107824087	4
Wasf2	1934	+	chr4	132631243	132631275	4
Aftph	1935	-	chr11	20679008	20679053	4
Dock2	1936	-	chr11	34425428	34425511	4
Qpctl	1937	-	chr7	19734323	19734386	4
Cbfa2t3	1938	-	chr8	125236488	125236543	4
Gipc1	1939	+	chr8	86180535	86180594	4
Asah1	1940	-	chr8	42402449	42402502	4
Nek5	1941	-	chr8	23244701	23244757	4
Acer3	1942	-	chr7	105478656	105478719	4
Slc39a8	1943	+	chr3	135489171	135489219	4
Rbm38	1944	+	chr2	172861267	172861295	4
Jph2	1945	-	chr2	163184475	163184503	4
Myo3b	1946	+	chr2	69837336	69837369	4
Vat1	1947	-	chr11	101327617	101327679	4
Plscr3	1948	+	chr11	69659905	69659977	4
ORF61	1949	-	chr10	79446514	79446562	4
Asf1a	1950	+	chr10	53316295	53316360	4
Wdr26	1951	-	chr1	183187158	183187356	4
Rab11a	1952	-	chr9	64584469	64584543	4
2700029M09Rik	1953	+	chr8	63338576	63338630	4
Jmjd5	1954	+	chr7	132572480	132572509	4
Rraga	1955	+	chr4	86221580	86221609	4
Dapp1	1956	-	chr3	137635296	137635339	4
Fcnb	1957	-	chr2	27931169	27931366	4
Ylpm1	1958	+	chr12	86337713	86337776	4
Ankrd11	1959	-	chr8	125566531	125566579	4
Taldo1	1960	+	chr7	148580234	148580278	4

Rnu11	1961	-	chr4	131826046	131826090	4
Zfp1	1962	+	chr8	114168381	114168424	4
Nol6	1963	-	chr4	41071313	41071360	4
Nck2	1964	+	chr1	43577983	43578021	4
Rgs6	1965	+	chr12	84213999	84214059	4
Pcbp3	1966	-	chr10	76369298	76369346	4
Akt2	1967	+	chr7	28377014	28377057	4
Twistnb	1968	+	chr12	33999166	33999194	4
Slc45a3	1969	+	chr1	133839456	133839485	4
Susd2	1970	-	chr10	75159906	75159934	4
Jmjd1b	1971	+	chr18	34943218	34943253	4
Man1a	1972	-	chr10	53758158	53758187	4
A530032D15Rik	1973	-	chr1	85087579	85087608	4
Ccrk	1974	+	chr13	64533708	64533739	4
Hist1h2bc	1975	+	chr13	23776096	23776126	4
Arrb1	1976	+	chr7	106741351	106741410	4
Notch3	1977	-	chr17	32245673	32245720	4
Adpgk	1978	+	chr9	59136692	59136720	4
D430028G21Rik	1979	+	chr2	131049325	131049483	4
Atmin	1980	+	chr8	119469585	119469613	4
Fam53b	1981	-	chr7	139969899	139969935	4
Dclk2	1982	-	chr3	86603196	86603224	4
Efcab3	1983	+	chr11	104890467	104890496	4
Herpud2	1984	-	chr9	24977798	24977827	4
Ier2	1985	-	chr8	87186743	87186771	4
Hist1h2bc	1986	+	chr13	23776321	23776349	4
D430028G21Rik	1987	+	chr2	131049524	131049552	4
Csf2rb	1989	+	chr15	78156336	78156473	4
Gtf2a1	1990	-	chr12	92828329	92828465	4
Arf5	1991	+	chr6	28374410	28374438	4
Plxnc1	1831	-	chr10	94375316	94375415	3.906891
Trim8	1993	+	chr19	46606717	46606889	3.906891
Rsu1	1994	-	chr2	13103704	13103800	3.906891
Eif4g3	1995	+	chr4	137599911	137600248	3.906891

Klf13	1996	-	chr7	71144425	71144596	3.906891
Ddit3	1997	+	chr10	126727881	126727982	3.906891
Chsy1	1998	+	chr7	73377996	73378325	3.906891
Hist1h4m	1999	+	chr13	21903615	21903937	3.906891
Erg	2000	-	chr16	95661537	95661655	3.906891
Itga2b	2001	-	chr11	102331368	102331525	3.906891
Fli1	2002	-	chr9	32284245	32284322	3.906891
Zswim6	2004	-	chr13	108409642	108409715	3.906891
Figl1	2005	-	chr11	11736909	11737053	3.906891
Mapre3	2007	+	chr5	31100016	31100084	3.906891
2810428I15Rik	2008	-	chr8	73024280	73024349	3.906891
MsmB	2009	+	chr14	32959416	32959530	3.906891
Atg7	2010	+	chr6	114610071	114610162	3.906891
Abi3	2011	-	chr11	95696546	95696672	3.906891
Vamp2	2013	+	chr11	68902892	68902995	3.906891
2810405K02Rik	2014	-	chr4	154285861	154285947	3.906891
Chst11	2015	+	chr10	82543148	82543270	3.906891
Mknk2	2016	-	chr10	80139510	80139586	3.906891
Rhd	2017	+	chr4	134421389	134421485	3.906891
Ahdc1	2018	+	chr4	132563811	132563910	3.906891
Hist1h2bn	2019	+	chr13	21845999	21846107	3.906891
Ifit1	2020	+	chr19	34731203	34731318	3.906891
Zfp652	2021	+	chr11	95573956	95574043	3.906891
Sbno2	2022	-	chr10	79543907	79544041	3.906891
Prcp	2023	+	chr7	100032489	100032574	3.906891
Nos1ap	2024	-	chr1	172540556	172540651	3.906891
Sppl3	2025	+	chr5	115505540	115505624	3.906891
Fbxo3	2026	+	chr2	103869365	103869482	3.906891
Nt5c2	2027	-	chr19	46962715	46962797	3.906891
Phc2	2028	+	chr4	128386741	128386818	3.906891
Adcy7	2029	+	chr8	90824153	90824242	3.906891
Calhm2	2030	-	chr19	47211791	47211854	3.906891
Zdhhc18	2031	-	chr4	133180881	133180963	3.906891
Prdm1	2032	-	chr10	44356681	44356782	3.906891

Vps8	2034	+	chr16	21357566	21357656	3.906891
Ccdc88c	2035	-	chr12	102263830	102263882	3.906891
Tbx19	2036	-	chr1	167035117	167035214	3.906891
Kdr	2037	-	chr5	76358310	76358433	3.906891
Bcor	2038	-	chrX	11666864	11666898	3.906891
Hipk2	2039	-	chr6	38745244	38745345	3.906891
Uckl1	2040	-	chr2	181313036	181313105	3.906891
Pck1	2041	+	chr2	172999908	172999939	3.906891
Cish	2042	+	chr9	107209890	107209964	3.906891
Gadd45a	2044	-	chr6	67099550	67099638	3.906891
Stradb	2045	+	chr1	59019358	59019464	3.906891
Gramd1c	2046	-	chr16	44018513	44018594	3.906891
Lrig1	2047	-	chr6	94636254	94636362	3.906891
Pank4	2048	+	chr4	154339134	154339214	3.906891
Fam158a	2049	-	chr14	56204608	56204687	3.906891
Ptpre	2050	+	chr7	142793445	142793499	3.906891
Sec23ip	2051	+	chr7	135892458	135892531	3.906891
Trim58	2052	+	chr11	58454704	58454791	3.906891
2210010C04Rik	2053	-	chr6	41068410	41068513	3.906891
Morn1	2054	+	chr4	154491744	154491824	3.906891
Asb17	2055	+	chr3	153515381	153515429	3.906891
Nat3	2057	+	chr8	70093241	70093304	3.906891
Lpin2	2058	+	chr17	71553823	71553902	3.906891
1190002H23Rik	2059	-	chr14	79696144	79696227	3.906891
Nr1d2	2060	-	chr14	19071976	19072005	3.906891
Egln3	2061	-	chr12	54938512	54938595	3.906891
Ankrd26	2062	-	chr6	118783230	118783314	3.906891
Wnt3	2063	+	chr11	103714072	103714136	3.906891
Itgal	2064	+	chr7	134428831	134428879	3.906891
Col4a3	2065	+	chr1	82624344	82624413	3.906891
Clip3	2067	+	chr7	31065445	31065513	3.906891
Skp1a	2068	+	chr11	52045480	52045578	3.906891
Sgcg	2069	-	chr14	61848753	61848823	3.906891
Dapk1	2070	+	chr13	60756742	60756821	3.906891

Med6	2071	-	chr12	82696177	82696268	3.906891
Abcg1	2072	+	chr17	31198111	31198159	3.906891
Arvcf	2074	+	chr16	18353287	18353358	3.906891
Pkd1l2	2075	-	chr8	119606963	119607011	3.906891
Chst14	2076	+	chr2	118789472	118789562	3.906891
Adrb2	2077	-	chr18	62334478	62334544	3.906891
Slc24a1	2078	-	chr9	64786494	64786566	3.906891
1110007L15Rik	2079	+	chr5	139719482	139719550	3.906891
2610034M16Rik	2080	-	chr17	59064320	59064391	3.906891
Tmcc3	2081	+	chr10	94028580	94028662	3.906891
Gpbp1	2083	-	chr13	112338586	112338620	3.906891
Cdcp1	2084	-	chr9	123136680	123136722	3.906891
Gpr56	2085	+	chr8	97491632	97491680	3.906891
Klf13	2086	-	chr7	71119244	71119273	3.906891
Gm833	2087	+	chr4	152376793	152376856	3.906891
Kcnn3	2088	+	chr3	89373974	89374003	3.906891
Tnfaip8	2089	+	chr18	50188342	50188398	3.906891
Diap1	2090	-	chr18	38085653	38085698	3.906891
Runx1	2091	-	chr16	92709188	92709386	3.906891
Baiap2l2	2092	-	chr15	79111933	79112131	3.906891
Nnt	2093	-	chr13	120021312	120021357	3.906891
Rps23	2094	+	chr13	90983958	90984026	3.906891
Ddx41	2095	-	chr13	55646309	55646351	3.906891
Fam110c	2096	+	chr12	31772203	31772236	3.906891
Unc13d	2097	-	chr11	115918381	115918432	3.906891
Cand1	2098	-	chr10	118523761	118523789	3.906891
Chst11	2099	+	chr10	82480947	82481003	3.906891
Cxcr7	2100	+	chr1	92186159	92186187	3.906891
Abcb6	2101	-	chr1	75176002	75176069	3.906891
Rpl31	2102	+	chr1	39453351	39453392	3.906891
Rps5	2103	+	chr7	13507622	13507655	3.906891
Klf12	2104	-	chr14	100246937	100246966	3.906891
Gtpbp4	2105	-	chr13	9011379	9011425	3.906891
Oat	2106	-	chr7	139767972	139768057	3.906891

Abcg1	2107	+	chr17	31208948	31208976	3.906891
4933428G20Rik	2108	+	chr11	97303217	97303274	3.906891
Kpna1	2109	+	chr16	35983391	35983584	3.906891
Kcnab3	2110	+	chr11	69147986	69148015	3.906891
Hist1h4k	2111	-	chr13	21842199	21842228	3.906891
Pou2f1	2112	-	chr1	167944772	167944818	3.906891
Zfp644	2113	-	chr5	107134367	107134438	3.906891
Phc2	2114	+	chr4	128397479	128397507	3.906891
Fam62b	2115	+	chr12	117519730	117519759	3.906891
Obfc2a	2116	-	chr1	51535147	51535209	3.906891
Ccnl1	2117	-	chr3	65762070	65762099	3.906891
Ttll12	2118	-	chr15	83422842	83422911	3.906891
Tubgcp2	2119	-	chr7	147222778	147222806	3.906891
Ikzf1	2120	+	chr11	11635297	11635341	3.906891
Stk25	2121	-	chr1	95521123	95521153	3.906891
C1qtnf9	2122	+	chr14	61272815	61272996	3.906891
Serpinb11	2123	+	chr1	109281191	109281372	3.906891
Nodal	2124	+	chr10	60876166	60876198	3.906891
Tpm1	2125	-	chr9	67108918	67109096	3.906891
Tmem136	2126	-	chr9	42924366	42924433	3.906891
Ubb	2127	+	chr11	62374198	62374374	3.906891
Zdhhc14	2128	+	chr17	5615149	5615202	3.906891
Prim2	2129	-	chr1	33729124	33729182	3.906891
Cxcr5	2130	-	chr9	44373527	44373590	3.906891
Ccdc88c	2131	-	chr12	102196927	102196956	3.906891
Rfx2	2132	-	chr17	56953798	56953842	3.906891
Bmp4	2133	-	chr14	47159596	47159625	3.906891
Mrpl34	2134	+	chr8	73988755	73988784	3.906891
6430527G18Rik	2135	-	chr12	88233482	88233510	3.906891
Mark2	2136	-	chr19	7373657	7373685	3.906891
Zfp710	2137	+	chr7	87209149	87209199	3.906891
Slc25a18	2138	+	chr6	120745398	120745559	3.906891
Egln3	2139	-	chr12	55292438	55292466	3.906891
Paqr9	2140	+	chr9	95451495	95451523	3.906891

Dapk1	2141	+	chr13	60721245	60721403	3.906891
Plekha6	2142	+	chr1	135164448	135164477	3.906891
Dux	2143	-	chr10	57688165	57688194	3.906891
Zfpm1	2144	+	chr8	124837521	124837670	3.906891
Tapt1	2145	-	chr5	44594740	44594768	3.906891
Gpr37l1	2146	-	chr1	137101481	137101512	3.906891
Hn1l	2148	-	chr17	25097651	25097680	3.906891
H2afx	2149	+	chr9	44142734	44142762	3.906891
Cdc42ep2	2150	-	chr19	5928295	5928323	3.906891
Cgn	2151	-	chr3	94569534	94569562	3.906891
Sec14l1	2152	+	chr11	116942605	116942634	3.906891
C130026I21Rik	2153	-	chr1	85273477	85273506	3.906891
Tac1	2154	+	chr6	7263593	7263621	3.906891
Pfn3	1484	-	chr13	55514756	55514853	3.807355
Mkl1	1992	-	chr15	80878067	80878146	3.807355
B4galt1	2161	-	chr4	40797605	40797917	3.807355
BC005537	2162	+	chr13	24893041	24893165	3.807355
Gnai2	2163	-	chr9	107534845	107534942	3.807355
Fam13b	2164	-	chr18	34679193	34679312	3.807355
Katnal1	2165	-	chr5	149777600	149777644	3.807355
2010321M09Rik	2167	+	chr9	64833277	64833416	3.807355
Furin	2168	-	chr7	87589867	87589940	3.807355
Stk24	2169	-	chr14	121755091	121755220	3.807355
Pigv	2170	-	chr4	133229342	133229445	3.807355
Tnni3	2171	-	chr7	4477943	4478019	3.807355
Ormdl3	2172	-	chr11	98441977	98442055	3.807355
Ddx5	2173	-	chr11	106649727	106649756	3.807355
Arfgap3	2174	-	chr15	83207685	83207794	3.807355
Txnrd1	2175	+	chr10	82321958	82321987	3.807355
Gdf1	2176	+	chr8	72851553	72851663	3.807355
Rlbpl1l	2177	+	chr4	9008087	9008198	3.807355
Tmpo	2179	-	chr10	90624939	90625191	3.807355
Cyth3	2180	+	chr5	144394549	144394630	3.807355
Slc9a1	2181	+	chr4	132951228	132951294	3.807355

Supt3h	2182	+	chr17	44809291	44809409	3.807355
Srp54a	2183	+	chr12	56256258	56256330	3.807355
Ubash3b	2184	-	chr9	40958103	40958222	3.807355
Lama5	2185	-	chr2	179971751	179971841	3.807355
1300018I05Rik	2186	+	chr17	29823842	29823923	3.807355
Prpf18	2187	-	chr2	4573097	4573168	3.807355
Mef2c	2188	+	chr13	83483726	83483837	3.807355
Ing1	2189	+	chr8	11557902	11557965	3.807355
Dnajb8	2190	+	chr6	88202279	88202385	3.807355
Srrm1	2191	-	chr4	134870493	134870557	3.807355
Top3b	2192	+	chr16	16871196	16871291	3.807355
Aqp11	2194	-	chr7	104895646	104895746	3.807355
Cited4	2195	+	chr4	120304534	120304606	3.807355
Zfp608	2196	-	chr18	55293467	55293539	3.807355
Ppcdc	2197	-	chr9	57268765	57268801	3.807355
P2ry2	2198	-	chr7	108178106	108178184	3.807355
Cryba4	2199	-	chr5	112682218	112682301	3.807355
Strn3	2200	-	chr12	52801021	52801112	3.807355
Ntn4	2201	+	chr10	93142590	93142686	3.807355
Rpl12	2202	+	chr2	32817196	32817278	3.807355
P4ha2	2204	+	chr11	53926732	53926807	3.807355
Htr2a	2205	+	chr14	75072361	75072431	3.807355
Tmem120b	2207	+	chr5	123543417	123543469	3.807355
Alg2	2208	-	chr4	47435187	47435259	3.807355
Klf10	2209	-	chr15	38230309	38230526	3.807355
Rpia	2210	-	chr6	70659374	70659461	3.807355
Snx32	2211	-	chr19	5510458	5510538	3.807355
C1galt1	2212	+	chr6	7733239	7733313	3.807355
Vps37b	2213	-	chr5	124502335	124502411	3.807355
Use1	2214	+	chr8	73878640	73878745	3.807355
Znfx1	2216	-	chr2	166888678	166888746	3.807355
Ldhd	2217	-	chr8	114119869	114119953	3.807355
Mical3	2218	-	chr6	121060476	121060569	3.807355
Gm1968	2219	-	chr16	29845855	29845928	3.807355

2310035K24Rik	2220	+	chr2	131039674	131039731	3.807355
Pdcd4	2221	+	chr19	53977892	53977954	3.807355
Rab35	2222	+	chr5	116076648	116076710	3.807355
Nfia	2223	+	chr4	97497105	97497133	3.807355
Mat2a	2224	-	chr6	72389361	72389561	3.807355
Trpv2	2225	+	chr11	62390232	62390261	3.807355
Blvrb	2226	+	chr7	28233889	28233917	3.807355
Taok3	2227	+	chr5	117586068	117586110	3.807355
Rab35	2228	+	chr5	116061774	116061836	3.807355
Fam69a	2229	-	chr5	108401534	108401598	3.807355
Rhoh	2230	+	chr5	66291590	66291627	3.807355
Jun	2232	-	chr4	94718724	94718753	3.807355
Ugcg	2233	+	chr4	59209397	59209431	3.807355
Tmod1	2234	+	chr4	46054957	46055019	3.807355
A630047E20Rik	2235	+	chr3	132410860	132410926	3.807355
Zfp217	2236	-	chr2	169953115	169953156	3.807355
Ehmt1	2237	-	chr2	24775194	24775236	3.807355
Fth1	2238	+	chr19	10057154	10057352	3.807355
Pqlc1	2239	+	chr18	80452843	80452903	3.807355
Ino80c	2240	-	chr18	24260246	24260334	3.807355
Pdia2	2241	-	chr17	26335935	26335994	3.807355
Tmem204	2242	-	chr17	25226318	25226346	3.807355
9030625A04Rik	2243	-	chr14	77256577	77256623	3.807355
Hist1h1c	2244	+	chr13	23831035	23831072	3.807355
Hist1h3d	2245	+	chr13	23667949	23667978	3.807355
Trim25	2246	+	chr11	88878903	88878979	3.807355
Cltc	2247	-	chr11	86570971	86571035	3.807355
Usp32	2248	-	chr11	84930155	84930217	3.807355
Chd3	2249	-	chr11	69186888	69186957	3.807355
Rap1b	2250	-	chr10	117372063	117372148	3.807355
F630110N24Rik	2251	+	chr10	80820215	80820413	3.807355
Prep	2252	+	chr10	44789479	44789539	3.807355
Armc2	2253	-	chr10	41790789	41790835	3.807355
Uck2	2254	-	chr1	169201619	169201688	3.807355

Ikzf2	2255	-	chr1	69606417	69606615	3.807355
Irs2	2256	-	chr8	11084234	11084308	3.807355
Saps2	2257	+	chr15	89046501	89046546	3.807355
5830405N20Rik	2258	+	chr10	129759787	129759846	3.807355
Lztfl1	2259	-	chr9	123611124	123611185	3.807355
Tmem179b	2260	-	chr19	8849144	8849192	3.807355
EG629557	2261	-	chr9	52037840	52038035	3.807355
Tes	2262	+	chr6	17055270	17055353	3.807355
P2rx7	2263	+	chr5	123094504	123094553	3.807355
Slfn9	2264	-	chr11	82788120	82788190	3.807355
Rdm1	2265	+	chr11	101502975	101503010	3.807355
Gsdma1	2266	+	chr11	98533331	98533368	3.807355
Phlda1	2267	+	chr10	111032624	111032701	3.807355
Ier5	2268	-	chr1	156946692	156946721	3.807355
Fgd6	2269	+	chr10	93535781	93535855	3.807355
Tspan15	2270	-	chr10	61700103	61700157	3.807355
Usp45	2271	+	chr4	21703230	21703263	3.807355
Pkd2l1	2272	-	chr19	44271633	44271695	3.807355
Adrb2	2273	-	chr18	62270707	62270752	3.807355
Atp6v0a1	2274	+	chr11	100871862	100871913	3.807355
Ndel1	2275	-	chr11	68646504	68646541	3.807355
Scarb1	2276	-	chr5	125822023	125822051	3.807355
Hist1h3i	2277	-	chr13	21875151	21875201	3.807355
Hlx	2278	-	chr1	186481324	186481373	3.807355
Tns3	2279	-	chr11	8482738	8482803	3.807355
A530082C11Rik	2280	+	chr4	154970912	154970953	3.807355
Lrrc20	2281	+	chr10	61006912	61006940	3.807355
Trh	2282	-	chr6	92191450	92191479	3.807355
Mar-07	2283	-	chr18	57085059	57085109	3.807355
Fam125b	2284	-	chr2	33709309	33709337	3.807355
Kank1	2285	+	chr19	25418205	25418386	3.807355
Mar-07	2286	-	chr18	57085260	57085441	3.807355
Kctd10	2287	-	chr5	114821535	114821564	3.807355
Spry1	2288	+	chr3	37574140	37574197	3.807355

Insm1	2289	+	chr2	145924920	145924968	3.807355
Nvl	2290	-	chr1	183074297	183074345	3.807355
Cep70	2291	+	chr9	99143445	99143474	3.807355
Itpr2	2292	-	chr6	146168074	146168120	3.807355
Kcne1	2293	-	chr16	92341659	92341688	3.807355
Unk	2294	+	chr11	115915278	115915307	3.807355
Chsy1	2295	+	chr7	73332485	73332513	3.807355
Msi2	2296	-	chr11	88475177	88475214	3.807355
Dusp4	2297	+	chr8	35574774	35574950	3.807355
Arid1b	2298	+	chr17	4380985	4381015	3.807355
Htr6	2299	-	chr4	138585535	138585564	3.807355
Zfp467	2300	-	chr6	48417981	48418021	3.807355
Fbxl10	2301	-	chr5	123440568	123440618	3.807355
Spock1	2302	-	chr13	57679352	57679390	3.807355
Map2k2	2303	+	chr10	80568574	80568746	3.807355
Rftn1	2304	-	chr17	50158610	50158676	3.807355
Prkce	2305	+	chr17	86700394	86700435	3.807355
Galr1	2306	-	chr18	81987302	81987331	3.807355
Nedd4l	2307	+	chr18	65149334	65149364	3.807355
Slc48a1	2308	+	chr15	97616561	97616613	3.807355
Rpia	2309	-	chr6	70659873	70659902	3.807355
Pccb	2310	-	chr9	100977971	100978137	3.807355
Itga4	2311	+	chr2	79094239	79094267	3.807355
G3bp1	2312	+	chr11	55283043	55283208	3.807355
Sfrs2	2313	-	chr11	116714368	116714396	3.807355
Ptbp1	2314	+	chr10	79317238	79317266	3.807355
Lyve1	2315	-	chr7	118046786	118046814	3.807355
Bzw1	2316	+	chr1	58449897	58449926	3.807355
Sds	2317	+	chr5	120931031	120931059	3.807355
Tbc1d15	2318	-	chr10	114689668	114689698	3.807355
Lincr	2319	-	chr1	36320821	36320849	3.807355
Actb	2320	-	chr5	143668341	143668380	3.807355
Mknk1	2321	+	chr4	115528916	115528948	3.807355
Rn4.5s	2322	-	chr6	47698509	47698567	3.807355

Ubash3a	2323	+	chr17	31347403	31347433	3.807355
Cbx6	2324	-	chr15	79652893	79652921	3.807355
Irs2	2325	-	chr8	10996445	10996474	3.807355
Polg2	2326	-	chr11	106632060	106632093	3.807355
Mrpl11	2327	+	chr19	4962022	4962050	3.807355
AB182283	2328	-	chr11	6491093	6491122	3.807355
Erf	2329	-	chr7	26032938	26032966	3.807355
Syng1	2330	+	chr15	79918320	79918357	3.807355
5830404H04Rik	2331	-	chr16	98129235	98129273	3.807355
Ptger3	2332	+	chr3	157243414	157243466	3.807355
Stag1	2333	+	chr9	100544057	100544085	3.807355
Ddit4	2334	-	chr10	59413656	59413695	3.807355
Camk1g	2335	-	chr1	195490921	195490949	3.807355
Sod1	2336	+	chr16	90144020	90144049	3.807355
Ier5l	2337	-	chr2	30319480	30319509	3.807355
Ugt1a1	2338	+	chr1	90139300	90139329	3.807355
Ldlr	2339	+	chr9	21519862	21520007	3.807355
Epha8	2340	-	chr4	136486560	136486589	3.807355
Gclm	2341	+	chr3	121950301	121950330	3.807355
Sfi1	2342	-	chr11	3063798	3063827	3.807355
Nfe2l2	2343	-	chr2	75541962	75542105	3.807355
Ifrd2	2344	+	chr9	107490711	107490740	3.807355
Plekhh2	2345	+	chr17	84751909	84751938	3.807355
Eif5a	2346	-	chr11	69734636	69734665	3.807355
Gnat2	2347	+	chr3	107901410	107901438	3.807355
Irx2	2348	+	chr13	72802837	72802866	3.807355
Agfg1	2349	+	chr1	82812732	82812760	3.807355
Lcor	2350	+	chr19	41556753	41556890	3.807355
Slc1a3	2351	-	chr15	8711816	8711952	3.807355
B4galnt1	2352	+	chr10	126602798	126602826	3.807355
Snx22	2353	-	chr9	65917705	65917733	3.807355
Gclc	2354	+	chr9	77605364	77605393	3.807355
Mrpl37	2355	-	chr4	106680997	106681128	3.807355
Il1r2	2356	+	chr1	40142818	40142846	3.807355

Btaf1	2357	+	chr19	37000588	37000616	3.807355
Mid1	2358	+	chrX	166436996	166437024	3.807355
Hist1h2ab	2359	+	chr13	23843094	23843217	3.807355
BC055111	2360	-	chr4	106286282	106286310	3.807355
Ilk	2361	+	chr7	112888754	112888782	3.807355
Slc27a3	2362	-	chr3	90187619	90187647	3.807355
Ddah2	2363	+	chr17	35196036	35196064	3.807355
Mid1	2364	+	chrX	166428055	166428165	3.807355
Grp1	2365	-	chr1	90379516	90379545	3.807355
Dhx8	2366	+	chr11	101601710	101601738	3.807355
Sertad2	2367	+	chr11	20536222	20536250	3.807355
C030046I01Rik	990	-	chr10	79377186	79377474	3.72187
Prim2	2371	-	chr1	33687824	33688260	3.70044
Sla2	2372	-	chr2	156708264	156708389	3.70044
Fam46c	2374	-	chr3	100286430	100286498	3.70044
Ankhd1	2375	+	chr18	36720179	36720359	3.70044
Rgnf	2376	-	chr13	98548645	98548929	3.70044
C77080	2377	-	chr4	128912545	128912685	3.70044
Il17b	2378	+	chr18	61856778	61856895	3.70044
Tpp2	2379	+	chr1	43990780	43990941	3.70044
Dnajb1	2380	+	chr8	86132166	86132257	3.70044
2410002I01Rik	2381	-	chr11	119960041	119960169	3.70044
1190002A17Rik	2382	+	chr2	28557167	28557282	3.70044
Mapksp1	2383	+	chr3	137603897	137603972	3.70044
Cited2	2384	+	chr10	17442867	17443127	3.70044
Muc13	2385	+	chr16	33785265	33785523	3.70044
Maea	2386	+	chr5	33678000	33678109	3.70044
Susd3	2387	-	chr13	49338979	49339054	3.70044
Psmc5	2389	-	chr2	34726454	34726559	3.70044
Ppp2r1a	2390	+	chr17	21082721	21082828	3.70044
Mtap	2391	+	chr4	88697986	88698075	3.70044
2410066E13Rik	2392	+	chr6	54629824	54629935	3.70044
Birc5	2393	+	chr11	117699992	117700026	3.70044
1110065P20Rik	2394	-	chr4	124524969	124525027	3.70044

Fhdc1	2395	-	chr3	84265012	84265098	3.70044
Hist1h2af	2396	+	chr13	23625727	23625959	3.70044
Mnt	2397	+	chr11	74645293	74645523	3.70044
Gtf3c5	2398	-	chr2	28454981	28455052	3.70044
Zfp704	2399	-	chr3	9663050	9663142	3.70044
Mcl1	2400	+	chr3	95462625	95462676	3.70044
Slc7a11	2401	-	chr3	50247486	50247538	3.70044
Tmem154	2402	+	chr3	84458212	84458277	3.70044
Hadh	2403	-	chr3	130974205	130974283	3.70044
Vegfa	2404	-	chr17	46169201	46169308	3.70044
Ctsf	2405	+	chr19	4859093	4859184	3.70044
4933428G20Rik	2406	+	chr11	97304448	97304477	3.70044
Hist1h3i	2407	-	chr13	21874925	21875007	3.70044
Zbtb7a	2409	+	chr10	80598767	80598983	3.70044
Smc3	2410	+	chr19	53674450	53674503	3.70044
Ern1	2411	-	chr11	106362235	106362294	3.70044
Zfp608	2412	-	chr18	55293826	55293919	3.70044
Unkl	2413	+	chr17	25362739	25362801	3.70044
Gpr153	2414	+	chr4	151631371	151631455	3.70044
Ctbp1	2415	-	chr5	33616416	33616507	3.70044
Tigd3	2416	-	chr19	5894155	5894234	3.70044
Cbfa2t3	2417	-	chr8	125206820	125206893	3.70044
Add2	2418	+	chr6	86044268	86044366	3.70044
AW146242	2419	-	chr6	57717639	57717710	3.70044
Adk	2420	+	chr14	21893317	21893404	3.70044
Dnm2	2421	+	chr9	21230141	21230214	3.70044
Rap1b	2422	-	chr10	117366198	117366296	3.70044
R3hdm1	2423	+	chr1	130000399	130000488	3.70044
Vps13c	2424	+	chr9	67717949	67718038	3.70044
Rab4a	2425	+	chr8	126331101	126331170	3.70044
Uros	2426	-	chr7	140900586	140900662	3.70044
Atxn2l	2427	-	chr7	133646121	133646166	3.70044
Klhl25	2428	+	chr7	82896160	82896228	3.70044
Orai1	2430	+	chr5	123477550	123477611	3.70044

Tmco5	2431	+	chr2	116822198	116822265	3.70044
Dab2ip	2432	+	chr2	35687202	35687267	3.70044
Smndc1	2433	-	chr19	53465156	53465185	3.70044
Pga5	2434	-	chr19	10736547	10736599	3.70044
Scgb1a1	2435	-	chr19	9124826	9124911	3.70044
Rab27b	2436	-	chr18	70214945	70215007	3.70044
Ptpn2	2437	-	chr18	67884003	67884031	3.70044
Ifngr2	2438	+	chr16	91537450	91537526	3.70044
Itm2b	2439	-	chr14	73785254	73785283	3.70044
Prpf4b	2440	+	chr13	34920076	34920113	3.70044
Rps6ka5	2441	-	chr12	101963135	101963196	3.70044
Akap6	2442	+	chr12	53793403	53793488	3.70044
Nags	2443	+	chr11	101991498	101991552	3.70044
Kpnb1	2444	-	chr11	97049530	97049592	3.70044
Nup160	2445	+	chr2	90508231	90508302	3.70044
Pkd2l2	2446	+	chr18	34570086	34570134	3.70044
Gng2	2447	-	chr14	20774470	20774548	3.70044
1700020L24Rik	2448	+	chr11	83262176	83262373	3.70044
Clpb	2449	+	chr7	108846090	108846157	3.70044
Mlec	2450	-	chr5	115605957	115606037	3.70044
Sfrs3	2451	+	chr17	29169616	29169677	3.70044
Efcab2	2452	+	chr1	180336447	180336510	3.70044
Mff	2453	+	chr1	82683080	82683144	3.70044
Ankrd27	2454	+	chr7	36374158	36374233	3.70044
D930015E06Rik	2455	-	chr3	83839102	83839168	3.70044
Ergic3	2456	+	chr2	155844738	155844782	3.70044
BC048355	2457	+	chr17	46640610	46640689	3.70044
Tfrc	2458	+	chr16	32609062	32609110	3.70044
Ssr1	2459	-	chr13	38086173	38086228	3.70044
Zfp809	2460	+	chr9	22030286	22030323	3.70044
Cdt1	2461	+	chr8	125070407	125070453	3.70044
Ghrhr	2463	+	chr6	55308827	55308887	3.70044
Sfpq	2464	+	chr4	126698600	126698638	3.70044
Actl6a	2465	+	chr3	32607544	32607573	3.70044

Slc12a2	2466	+	chr18	57996703	57996786	3.70044
Hist1h2an	2467	-	chr13	21878943	21879007	3.70044
Dnajb9	2468	-	chr12	45298991	45299042	3.70044
Rrp1	2469	-	chr10	77869032	77869106	3.70044
F2r	2470	-	chr13	96427261	96427453	3.70044
Narf	2471	+	chr11	121098363	121098555	3.70044
Pold2	2472	-	chr11	5771322	5771366	3.70044
Sep-05	2473	-	chr7	134369297	134369342	3.70044
Hopx	2474	-	chr5	77548613	77548695	3.70044
Srpk2	2475	-	chr5	22892850	22892919	3.70044
Gpr157	2476	+	chr4	149473101	149473173	3.70044
Cnr1	2477	+	chr4	33825132	33825192	3.70044
Uhrf1bp1l	2478	+	chr10	89254866	89254915	3.70044
Aph1c	2479	-	chr9	66682625	66682686	3.70044
Stag3	2480	+	chr5	138742617	138742649	3.70044
Sppl3	2481	+	chr5	115509050	115509108	3.70044
Atpif1	2482	-	chr4	132089539	132089579	3.70044
Pdia3	2483	+	chr2	121239659	121239738	3.70044
Fem1c	2484	-	chr18	46691750	46691802	3.70044
Gtpbp4	2485	-	chr13	9010931	9011121	3.70044
Plcl2	2486	+	chr17	50555547	50555617	3.70044
Ddc	2487	-	chr11	11785020	11785096	3.70044
Snrk	2488	+	chr9	122013139	122013186	3.70044
Crtam	2489	-	chr9	40879126	40879155	3.70044
Spn	2490	-	chr7	134281034	134281080	3.70044
Fhl1	2491	+	chrX	53981845	53981919	3.70044
Hyou1	2492	+	chr9	44187399	44187435	3.70044
Hfe2	2493	+	chr3	96290224	96290288	3.70044
Klf9	2494	+	chr19	23227002	23227047	3.70044
Zfyve1	2495	-	chr12	84920271	84920350	3.70044
Sep-12	2496	+	chr11	53336566	53336629	3.70044
Aqp9	2497	-	chr9	71004334	71004371	3.70044
Abcb9	2498	-	chr5	124545384	124545444	3.70044
Myo5c	2499	+	chr9	75110098	75110145	3.70044

2810453I06Rik	2500	+	chr5	144322526	144322587	3.70044
Slc44a5	2501	+	chr3	153754844	153754891	3.70044
Gm71	2502	-	chr12	70642789	70642830	3.70044
Bbc3	2503	+	chr7	16895406	16895448	3.70044
Rfc2	2504	+	chr5	135069124	135069153	3.70044
Mrvi1	2505	-	chr7	118064041	118064070	3.70044
Mtmr12	2506	+	chr15	12123714	12123763	3.70044
H2afx	2507	+	chr9	44142556	44142585	3.70044
Olfm2	2508	-	chr9	20561704	20561748	3.70044
Mgll	2509	+	chr6	88708975	88709023	3.70044
Naprt1	2510	-	chr15	75730498	75730558	3.70044
Pdha2	2511	-	chr3	140613424	140613495	3.70044
D2Wsu81e	2512	-	chr2	30040962	30041142	3.70044
Creg1	2513	+	chr1	167693796	167693976	3.70044
Nrp2	2514	+	chr1	62847101	62847134	3.70044
Hist2h3c2	2515	-	chr3	96043410	96043589	3.70044
Ralgds	2516	+	chr2	28373027	28373055	3.70044
Polg2	2517	-	chr11	106640867	106640919	3.70044
Tmem164	2518	+	chrX	139050902	139050945	3.70044
Mgll	2519	+	chr6	88709955	88709984	3.70044
Figl1	2520	-	chr11	11735508	11735542	3.70044
Rnasel	2521	+	chr1	155597375	155597419	3.70044
Smad7	2522	+	chr18	75615017	75615083	3.70044
Derl1	2523	-	chr15	57631166	57631195	3.70044
Sertad1	2524	+	chr7	28271990	28272019	3.70044
Napepld	2525	-	chr5	21207054	21207093	3.70044
Zfp217	2526	-	chr2	169962571	169962599	3.70044
8430427H17Rik	2527	-	chr2	153351680	153351709	3.70044
Pdcd4	2528	+	chr19	53961787	53961855	3.70044
Plcb2	2530	-	chr2	118550004	118550032	3.70044
Stk39	2531	-	chr2	68325347	68325403	3.70044
Malat1	2532	-	chr19	5802611	5802665	3.70044
Nup153	2533	-	chr13	46872463	46872496	3.70044
Utrn	2534	-	chr10	12534323	12534352	3.70044

Sipa1l1	2535	+	chr12	83297332	83297393	3.70044
Ube2g2	2536	+	chr10	77126565	77126612	3.70044
H3f3a	2537	-	chr1	182721044	182721084	3.70044
Acss1	2538	-	chr2	150493164	150493222	3.70044
Cat	2539	-	chr2	103325181	103325209	3.70044
Eef1a1	2540	-	chr9	78354375	78354428	3.70044
Ptpre	2541	+	chr7	142785733	142785797	3.70044
Zfand2a	2542	-	chr5	139981219	139981266	3.70044
Emilin2	2543	-	chr17	71614231	71614266	3.70044
Polr3h	2544	-	chr15	81745289	81745338	3.70044
Eef1e1	2545	-	chr13	38750929	38750958	3.70044
Rdm1	2546	+	chr11	101506917	101507088	3.70044
Twf2	2547	+	chr9	106105209	106105250	3.70044
Psmc3	2548	+	chr2	90897937	90897966	3.70044
Adm	2549	+	chr7	117762668	117762696	3.70044
Lrrc68	2550	-	chr7	20149397	20149430	3.70044
0610010012Rik	2551	+	chr18	36534860	36535029	3.70044
Defb7	2552	+	chr8	19963105	19963161	3.70044
Sema4f	2553	-	chr6	82822561	82822608	3.70044
Hyal2	2555	+	chr9	107473407	107473435	3.70044
Btbd12	2556	-	chr16	4003748	4003915	3.70044
A930005I04Rik	2557	+	chr5	35239533	35239581	3.70044
Gys1	2558	+	chr7	52699111	52699276	3.70044
BC050777	2559	+	chr2	181198002	181198030	3.70044
Slc1a3	2560	-	chr15	8711210	8711240	3.70044
Ubxn11	2561	+	chr4	133658643	133658807	3.70044
Cisd2	2562	-	chr3	135085947	135085977	3.70044
D930015E06Rik	2563	-	chr3	83844191	83844223	3.70044
Pnpo	2564	-	chr11	96802502	96802530	3.70044
Dusp1	2565	-	chr17	26651620	26651653	3.70044
Zfp36l1	2566	-	chr12	80928287	80928326	3.70044
Tacc2	2567	+	chr7	137830859	137831018	3.70044
Rn4.5s	2568	-	chr6	47622380	47622425	3.70044
Hpd	2569	-	chr5	123651371	123651403	3.70044

Pnrc1	2570	-	chr4	33330165	33330194	3.70044
Ifng	2571	+	chr10	118070648	118070677	3.70044
Gypc	2572	-	chr18	32719584	32719612	3.70044
1200011M11Rik	2573	-	chr11	86900187	86900216	3.70044
E030049G20Rik	2574	-	chr1	128547519	128547557	3.70044
Zfpm1	2575	+	chr8	124817647	124817694	3.70044
Opa3	2576	+	chr7	19829190	19829346	3.70044
Trrap	2577	+	chr5	145606078	145606106	3.70044
Mrto4	2578	-	chr4	138891421	138891576	3.70044
Slc9a1	2579	+	chr4	132926771	132926801	3.70044
Chst1	2580	+	chr2	92489422	92489456	3.70044
Hist1h2ac	2581	-	chr13	23775503	23775531	3.70044
Tbc1d9	2582	+	chr8	85739226	85739255	3.70044
Vmn2r18	2583	-	chr5	152221324	152221357	3.70044
Dnajb12	2584	+	chr10	59263809	59263838	3.70044
Kcnn4	2585	+	chr7	25169205	25169245	3.70044
Notch2	2586	+	chr3	97807556	97807708	3.70044
Raly	2587	+	chr2	154617028	154617180	3.70044
Spry1	2588	+	chr3	37558428	37558579	3.70044
Minpp1	2589	+	chr19	32584993	32585021	3.70044
Phf2	2590	-	chr13	48949116	48949145	3.70044
Sphk1	2591	+	chr11	116398098	116398126	3.70044
Bap1	2592	+	chr14	32074261	32074289	3.70044
Zfp687	2593	-	chr3	94808686	94808714	3.70044
Tctex1d2	2594	+	chr16	32419927	32419956	3.70044
Larp4	2595	+	chr15	99803245	99803388	3.70044
Ap1s3	2596	-	chr1	79638187	79638216	3.70044
Rnf216	2597	-	chr5	143814546	143814574	3.70044
Adrb2	2598	-	chr18	62336373	62336401	3.70044
Bcl2l13	2599	+	chr6	120781053	120781081	3.70044
Vps8	2600	+	chr16	21359732	21359760	3.70044
Rnu12	2601	+	chr15	82980185	82980324	3.70044
Figl1	2602	-	chr11	11715946	11715974	3.70044
Nfx1	2603	+	chr4	40943512	40943540	3.70044

Gtf3c4	2604	-	chr2	28695442	28695471	3.70044
1110032E23Rik	2605	+	chr3	79770904	79770933	3.70044
Ppia	2606	+	chr11	6315802	6315830	3.70044
Cul5	2607	-	chr9	53475047	53475180	3.70044
Mapk6	2608	-	chr9	75258056	75258085	3.70044
N4bp2	2609	+	chr5	66188492	66188521	3.70044
Klhl25	2610	+	chr7	82999601	82999629	3.70044
8430427H17Rik	2611	-	chr2	153351930	153352060	3.70044
Rpl3	2613	-	chr15	79913672	79913701	3.70044
Tacc1	2614	-	chr8	26382209	26382238	3.70044
Minpp1	2615	+	chr19	32550650	32550678	3.70044
Eapp	2616	-	chr12	55839141	55839170	3.70044
Spred2	2617	+	chr11	19804102	19804130	3.70044
Relt	2618	-	chr7	108011677	108011706	3.70044
Klf7	2619	-	chr1	64168488	64168517	3.70044
Abi1	2620	-	chr2	22895527	22895652	3.70044
Nfya	2621	-	chr17	48548886	48548915	3.70044
Fgd3	2622	-	chr13	49403016	49403045	3.70044
Stc2	2623	-	chr11	31255946	31255975	3.70044
P4ha1	2624	+	chr10	58752932	58752961	3.70044
C130026I21Rik	2625	-	chr1	85284296	85284324	3.70044
Lrp11	2626	+	chr10	7236552	7236581	3.70044
Ninj2	2627	+	chr6	120124895	120125012	3.70044
1190002A17Rik	2628	+	chr2	28557393	28557422	3.70044
Mid1	2629	+	chrX	166435741	166435769	3.70044
Klf6	2630	+	chr13	5860834	5860863	3.70044
Ugt1a1	2631	+	chr1	90140503	90140531	3.70044
Arsg	2632	+	chr11	109411146	109411174	3.70044
Defb7	2633	+	chr8	19760275	19760381	3.70044
Fat1	2634	+	chr8	45441952	45441980	3.70044
Smc2	2635	+	chr4	52442571	52442599	3.70044
Tacc3	1289	+	chr5	34024505	34024659	3.634407
Scrt1	1290	-	chr15	76354114	76354207	3.634407
Nedd4	1485	+	chr9	72509810	72509888	3.584963

H3f3a	2637	-	chr1	182743483	182743752	3.584963
Arl4a	2641	-	chr12	40763852	40764192	3.584963
Hist1h2ak	2642	-	chr13	21845385	21845697	3.584963
Hsp90aa1	2643	-	chr12	111934410	111934530	3.584963
AI931714	2644	+	chr8	80068519	80068607	3.584963
Setd5	2645	+	chr6	113027180	113027263	3.584963
Rpn2	2646	+	chr2	157104652	157104794	3.584963
Gapdh	2647	-	chr6	125115689	125115769	3.584963
4930519N13Rik	2648	-	chr2	150802616	150802881	3.584963
Klhl7	2649	+	chr5	23606893	23607010	3.584963
Dfna5	2650	-	chr6	50202814	50203077	3.584963
Hp1bp3	2651	+	chr4	137744034	137744165	3.584963
Phb	2652	+	chr11	95562783	95562905	3.584963
Eif1	2653	+	chr11	100181601	100181681	3.584963
C77080	2654	-	chr4	128933793	128933905	3.584963
Sharpin	2655	-	chr15	76181565	76181672	3.584963
Tuft1	2656	-	chr3	94469972	94470111	3.584963
Nacc2	2657	-	chr2	26010220	26010323	3.584963
B4galnt4	2658	+	chr7	148233020	148233266	3.584963
Alkbh4	2659	+	chr5	136620601	136620711	3.584963
8030462N17Rik	2660	-	chr18	77971363	77971460	3.584963
Adcy7	2661	+	chr8	90822369	90822469	3.584963
Zc3hav1	2662	-	chr6	38304624	38304713	3.584963
Wdr26	2663	-	chr1	183176179	183176280	3.584963
Thrap3	2665	-	chr4	125879731	125879813	3.584963
Airn	2666	+	chr17	12938680	12938895	3.584963
Pik3cb	2667	-	chr9	98999015	98999100	3.584963
Unc50	2668	+	chr1	37487060	37487131	3.584963
Mt1	2669	+	chr8	96703096	96703142	3.584963
Gatad2a	2670	-	chr8	72520320	72520375	3.584963
Sfrs16	2671	-	chr7	20178554	20178604	3.584963
Nfia	2672	+	chr4	97590085	97590113	3.584963
Ppm2c	2673	-	chr4	11827274	11827342	3.584963
4930503B20Rik	2674	-	chr3	146362087	146362163	3.584963

Dsn1	2675	-	chr2	156836742	156836831	3.584963
Trim44	2676	-	chr2	102241331	102241384	3.584963
Aldh18a1	2677	-	chr19	40627628	40627670	3.584963
Chrm1	2678	+	chr19	8739685	8739731	3.584963
AI413582	2679	-	chr17	27710861	27710938	3.584963
Actg1	2681	-	chr11	120177539	120177629	3.584963
Trpv2	2682	+	chr11	62416380	62416454	3.584963
Otx1	2683	-	chr11	21978993	21979065	3.584963
Ywhah	2684	+	chr5	33361104	33361301	3.584963
Pla2g10	2685	-	chr16	13731127	13731196	3.584963
P4hb	2686	-	chr11	120434356	120434450	3.584963
Zfp710	2687	+	chr7	87180727	87180812	3.584963
Adk	2688	+	chr14	21893961	21894021	3.584963
Zfpm1	2689	+	chr8	124797984	124798033	3.584963
Gnas	2690	+	chr2	174153261	174153313	3.584963
Prpf18	2691	-	chr2	4491508	4491577	3.584963
Rb1cc1	2692	+	chr1	6204595	6204667	3.584963
Ctdp1	2693	-	chr18	80666893	80666961	3.584963
Pctk2	2694	+	chr10	92587040	92587232	3.584963
Lrrc68	2695	-	chr7	20140038	20140094	3.584963
Chn1	2696	-	chr2	73441659	73441694	3.584963
Pip4k2a	2697	-	chr2	18860861	18860943	3.584963
Ptger4	2698	-	chr15	5608953	5609020	3.584963
Myo18a	2699	+	chr11	77577742	77577785	3.584963
Dars	2700	-	chr1	130313805	130313995	3.584963
Tulp4	2702	+	chr17	6173120	6173156	3.584963
6720463M24Rik	2703	+	chr14	99445501	99445573	3.584963
Egr1	2704	+	chr18	35013454	35013523	3.584963
Ncor1	2706	-	chr11	62270822	62270850	3.584963
Impdh2	2707	+	chr9	108462662	108462849	3.584963
Fcnb	2708	-	chr2	27887384	27887571	3.584963
Zfp36l2	2709	-	chr17	84518601	84518663	3.584963
Pim1	2710	+	chr17	29637863	29637913	3.584963
Prkca	2711	-	chr11	108105602	108105657	3.584963

Tom1	2712	+	chr8	77557923	77557964	3.584963
4931417E11Rik	2713	-	chr6	73480235	73480302	3.584963
Fahd1	2714	-	chr17	24985581	24985649	3.584963
Snx31	2715	-	chr15	36510452	36510481	3.584963
Hmha1	2716	+	chr10	79481887	79481941	3.584963
Vil1	2717	+	chr1	74482324	74482369	3.584963
Aqp8	2718	+	chr7	130602904	130603088	3.584963
Gpr139	2719	-	chr7	126414780	126414809	3.584963
Prkaca	2720	+	chr8	86496711	86496741	3.584963
Vmn2r29	2721	-	chr7	7230291	7230474	3.584963
Wasl	2722	-	chr6	24615003	24615059	3.584963
Fam46c	2723	-	chr3	100287050	100287116	3.584963
4930519N13Rik	2724	-	chr2	150837195	150837249	3.584963
Slc38a10	2725	-	chr11	119998180	119998363	3.584963
Cltc	2726	-	chr11	86571429	86571473	3.584963
Lss	2727	+	chr10	75994245	75994292	3.584963
A130042E20Rik	2728	-	chr10	75951131	75951211	3.584963
Tmem205	2729	-	chr9	21728668	21728745	3.584963
Med13l	2730	+	chr5	118945121	118945196	3.584963
Zc3h10	2731	-	chr10	127984942	127984986	3.584963
Stk25	2732	-	chr1	95521283	95521341	3.584963
Mon1b	2733	+	chr8	116159731	116159803	3.584963
Whsc1l1	2734	+	chr8	26712411	26712592	3.584963
Ap2a2	2735	+	chr7	148744406	148744470	3.584963
Rabggta	2736	-	chr14	56343493	56343549	3.584963
Adssl1	2737	+	chr12	113862117	113862190	3.584963
Rtn4rl1	2738	+	chr11	75048300	75048328	3.584963
Ap1m1	2739	+	chr8	74759113	74759293	3.584963
D030013I16Rik	2740	-	chr17	3013574	3013754	3.584963
Zc3h3	2741	-	chr15	75672294	75672347	3.584963
6430706D22Rik	2742	-	chr1	90151503	90151683	3.584963
Gpr56	2743	+	chr8	97506932	97506972	3.584963
Hddc3	2744	+	chr7	87495753	87495932	3.584963

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0673	2745	+	chr4	146794940	146795119	3.584963
Kcnn3	2746	+	chr3	89350855	89350916	3.584963
LOC100233207	2747	+	chr3	79152722	79152760	3.584963
Gpsm1	2748	+	chr2	26179028	26179207	3.584963
Eef1a1	2749	-	chr9	78328737	78328791	3.584963
Phrf1	2750	+	chr7	148414460	148414518	3.584963
Limd2	2752	-	chr11	106022022	106022073	3.584963
St6galnac3	2753	-	chr3	153354696	153354756	3.584963
1190002H23Rik	2754	-	chr14	79701311	79701358	3.584963
Fem1c	2755	-	chr18	46636375	46636403	3.584963
Pdgfb	2756	-	chr15	79836802	79836838	3.584963
Spag1	2757	+	chr15	36109238	36109304	3.584963
Grk6	2758	+	chr13	55546241	55546417	3.584963
Rps19	2759	+	chr7	25669568	25669618	3.584963
Bmp2k	2760	+	chr5	97379303	97379367	3.584963
Rnf139	2761	+	chr15	58720624	58720652	3.584963
Glrx	2762	+	chr13	76003392	76003461	3.584963
Cirbp	2763	+	chr10	79622646	79622820	3.584963
Zbtb7b	2764	-	chr3	89192232	89192296	3.584963
Chchd3	2765	-	chr6	32952300	32952329	3.584963
Utp3	2766	+	chr5	88995441	88995503	3.584963
Clic4	2767	-	chr4	134795007	134795052	3.584963
Htr5b	2768	-	chr1	123398559	123398595	3.584963
2610301B20Rik	2769	+	chr4	10714163	10714196	3.584963
Gfi1b	2770	-	chr2	28472584	28472625	3.584963
Zfp608	2771	-	chr18	55266777	55266840	3.584963
Scel	2772	+	chr14	103878812	103878868	3.584963
Atp2a3	2773	+	chr11	72769019	72769055	3.584963
Wwox	2774	+	chr8	117403639	117403695	3.584963
Tbc1d7	2775	-	chr13	43310534	43310571	3.584963
BC057022	2776	+	chr5	115041263	115041309	3.584963
Rprd1b	2777	+	chr2	157873823	157873866	3.584963
Gpr110	2778	+	chr17	43466717	43466745	3.584963

Bdh1	2779	+	chr16	31426928	31426957	3.584963
Daam1	2780	+	chr12	72932130	72932159	3.584963
Sf3a1	2781	+	chr11	4060397	4060425	3.584963
Tagln2	2782	+	chr1	174438479	174438530	3.584963
Hs1bp3	2784	+	chr12	8371358	8371386	3.584963
Pqlc1	2785	+	chr18	80456810	80456848	3.584963
Hist1h3g	2786	+	chr13	23627375	23627410	3.584963
Rcvrn	2787	+	chr11	67481346	67481375	3.584963
Tgfb1	2788	+	chr7	26474869	26474897	3.584963
Bbc3	2789	+	chr7	16926040	16926205	3.584963
Wdr4	2790	-	chr17	31639646	31639674	3.584963
Pla2g6	2791	-	chr15	79158465	79158502	3.584963
Sbno2	2792	-	chr10	79565917	79565964	3.584963
Accn4	2793	+	chr1	75442867	75442895	3.584963
D9Erttd402e	2794	+	chr9	122628779	122628808	3.584963
Tmem40	2795	-	chr6	115709100	115709128	3.584963
Pf4	2796	+	chr5	91204709	91204764	3.584963
ENSMUSG00000006						
3754	2797	-	chr19	29098940	29099104	3.584963
Kras	2798	-	chr6	145251521	145251549	3.584963
2500003M10Rik	2799	-	chr3	90312885	90312913	3.584963
Ifrd1	2800	-	chr12	40949731	40949760	3.584963
Dync1h1	2801	+	chr12	111829799	111829827	3.584963
Rhoh	2802	+	chr5	66292227	66292256	3.584963
Trib3	2803	-	chr2	152169698	152169859	3.584963
Txndc2	2804	-	chr17	65979364	65979392	3.584963
Fem1a	2805	+	chr17	56390758	56390786	3.584963
Tac4	2806	+	chr11	95119976	95120020	3.584963
Coro6	2807	+	chr11	77237147	77237207	3.584963
Camk2b	2808	-	chr11	5926688	5926849	3.584963
Ptpru	2809	-	chr4	131385138	131385194	3.584963
Gpsm2	2810	-	chr3	108554799	108554959	3.584963
Tmem167b	2811	-	chr3	108357610	108357638	3.584963
Fbxw7	2812	+	chr3	84618122	84618152	3.584963

Ccnl1	2813	-	chr3	65701557	65701585	3.584963
Dennd1a	2814	-	chr2	38017151	38017194	3.584963
Srrm1	2815	-	chr4	134869443	134869471	3.584963
Hist2h3c1	2816	-	chr3	96042525	96042684	3.584963
P2ry14	2817	-	chr3	58937286	58937319	3.584963
Ubash3a	2818	+	chr17	31375776	31375815	3.584963
Unc119	2819	+	chr11	78158188	78158216	3.584963
Hist2h3c1	2820	-	chr3	96070166	96070208	3.584963
Fam110a	2821	-	chr2	151806034	151806063	3.584963
Itgb2l	2822	-	chr16	96653566	96653595	3.584963
Cdc6	2823	+	chr11	98766051	98766079	3.584963
Ctrb1	2824	-	chr8	114227620	114227649	3.584963
Stard10	2825	+	chr7	108471755	108471783	3.584963
Bcl2l11	2826	+	chr2	128037076	128037104	3.584963
Wdr76	2827	+	chr2	121388964	121389013	3.584963
Syk	2828	+	chr13	52712848	52712877	3.584963
Pex5	2829	-	chr6	124326529	124326570	3.584963
Rspo4	2830	+	chr2	151698053	151698093	3.584963
Nat10	2831	-	chr2	103545077	103545105	3.584963
Ddx23	2832	-	chr15	98492677	98492705	3.584963
Zfp692	2833	+	chr11	58120700	58120742	3.584963
Hbb-y	2834	-	chr7	111014405	111014450	3.584963
LOC171266	2835	-	chr4	3012779	3012934	3.584963
Npal2	2836	-	chr15	34615677	34615719	3.584963
Smarcc1	2837	+	chr9	110041844	110041873	3.584963
U2af2	2838	+	chr7	5013841	5013882	3.584963
Synj2	2839	+	chr17	5893335	5893366	3.584963
Hnrnpf	2840	+	chr6	117856875	117857028	3.584963
Fgd6	2841	+	chr10	93535280	93535308	3.584963
Eprs	2842	+	chr1	187186700	187186729	3.584963
Klf13	2843	-	chr7	71039772	71039801	3.584963
Ube3a	2844	+	chr7	66484130	66484282	3.584963
Ppef2	2845	-	chr5	92633670	92633704	3.584963
4930555I21Rik	2846	+	chr4	135081257	135081409	3.584963

Spata5	2847	+	chr3	37319320	37319348	3.584963
Uhrf2	2848	+	chr19	30104961	30104989	3.584963
Plxnc1	2849	-	chr10	94386320	94386354	3.584963
Sntg1	2850	-	chr1	9387133	9387285	3.584963
Zbtb16	2851	-	chr9	48662697	48662726	3.584963
Ppfia1	2852	-	chr7	151709375	151709404	3.584963
Bat2l	2854	+	chr2	31983268	31983297	3.584963
Optc	2855	-	chr1	135804784	135804812	3.584963
Hspb1	2856	+	chr5	136369136	136369165	3.584963
Nop14	2857	-	chr5	35002727	35002755	3.584963
Fbxo11	2858	-	chr17	88465724	88465752	3.584963
Hgs	2859	+	chr11	120329073	120329101	3.584963
Orm2	2860	+	chr4	63034724	63034755	3.584963
Dlgap4	2861	+	chr2	156491161	156491202	3.584963
D030013I16Rik	2862	-	chr17	3019179	3019208	3.584963
Sod1	2863	+	chr16	90197426	90197461	3.584963
Cab39	2864	+	chr1	87690764	87690796	3.584963
Gna12	2865	-	chr5	141271406	141271434	3.584963
Nfyc	2866	-	chr4	120497931	120498078	3.584963
Arrdc3	2867	+	chr13	81022573	81022720	3.584963
Akap6	2868	+	chr12	53745336	53745374	3.584963
Ikzf1	2869	+	chr11	11611899	11611927	3.584963
Slc16a14	2870	-	chr1	84990710	84990739	3.584963
Cirbp	2871	+	chr10	79630569	79630598	3.584963
EG638580	2872	+	chr9	31088404	31088432	3.584963
Nol5a	2873	+	chr2	130088146	130088291	3.584963
Tmcc2	2874	-	chr1	134252626	134252654	3.584963
Birc3	2875	-	chr9	7869291	7869322	3.584963
Nphp4	2876	+	chr4	151865810	151865838	3.584963
Gpr153	2877	+	chr4	151653997	151654026	3.584963
Fcnb	2878	-	chr2	27920135	27920171	3.584963
Slc34a3	2879	-	chr2	25088995	25089023	3.584963
Prkcq	2880	+	chr2	11139305	11139334	3.584963
Aim1	2881	-	chr10	43789040	43789069	3.584963

Tgif1	2882	-	chr17	71200945	71200974	3.584963
Morc3	2883	+	chr16	93775121	93775151	3.584963
Aktip	2884	-	chr8	93658127	93658156	3.584963
Ube2d3	2885	+	chr3	135101292	135101320	3.584963
5730469M10Rik	2886	-	chr14	41821115	41821153	3.584963
Map2k2	2887	+	chr10	80572760	80572789	3.584963
B4galt5	2888	-	chr2	167124414	167124442	3.584963
Chst1	2889	+	chr2	92550502	92550643	3.584963
Tubb2a	2890	-	chr13	34193231	34193260	3.584963
Edar	2891	-	chr10	58154040	58154068	3.584963
Nck1	2892	-	chr9	100446571	100446600	3.584963
Rasa2	2893	-	chr9	96570451	96570479	3.584963
Defb7	2894	+	chr8	19711672	19711701	3.584963
Psmg1	2895	-	chr16	96083207	96083235	3.584963
Sbf1	2896	-	chr15	89144804	89144832	3.584963
Ipo5	2897	+	chr14	121229886	121229916	3.584963
Pdcd4	2898	+	chr19	53884715	53884743	3.584963
Itgb7	2899	-	chr15	102062390	102062419	3.584963
Bclaf1	2900	+	chr10	20032384	20032413	3.584963
Ahdc1	2901	+	chr4	132615307	132615336	3.584963
Cd47	2902	+	chr16	49855526	49855555	3.584963
Hist1h4a	2903	-	chr13	23852994	23853023	3.584963
Eif5	2904	+	chr12	112776110	112776248	3.584963
Col18a1	2905	-	chr10	76621951	76621980	3.584963
Inpp5d	2906	+	chr1	89547538	89547567	3.584963
Hsbp1	2907	+	chr8	121372480	121372509	3.584963
Gata2	2908	+	chr6	88148601	88148629	3.584963
Rnase6	2909	+	chr14	51750187	51750216	3.584963
Disc1	2910	+	chr8	127756093	127756229	3.584963
Ptdss2	2911	+	chr7	148331790	148331926	3.584963
BC017158	2912	-	chr7	135432674	135432706	3.584963
Notch2	2913	+	chr3	97865710	97865739	3.584963
Fbxo18	2914	-	chr2	11699149	11699179	3.584963
Sod2	2915	+	chr17	13222425	13222454	3.584963

Fig4	2916	-	chr10	40967753	40967781	3.584963
Mrpl9	2917	+	chr3	94247171	94247199	3.584963
Paqr6	2918	+	chr3	88167740	88167769	3.584963
Uhrf1bp1	2919	+	chr17	27996222	27996250	3.584963
Ccrk	2920	+	chr13	64560943	64560972	3.584963
Scarf2	2921	+	chr16	17810169	17810197	3.584963
Crip2	2922	+	chr12	114379139	114379168	3.584963
Tpm1	2923	-	chr9	66867963	66868095	3.584963
Nav2	2924	+	chr7	56576722	56576751	3.584963
Nrn1	2925	-	chr13	36582633	36582765	3.584963
Otop3	2926	+	chr11	115210110	115210139	3.584963
Gpr6	2927	-	chr10	40726644	40726673	3.584963
Sik2	2928	-	chr9	50816917	50816945	3.584963
Ttc39a	2929	+	chr4	109083776	109083906	3.584963
Tgfa	2930	+	chr6	86220948	86220976	3.584963
Stmn1	2931	+	chr4	134024310	134024339	3.584963
Pax8	2932	-	chr2	24363151	24363179	3.584963
Egln1	2934	-	chr8	127465607	127465636	3.584963
1700018L24Rik	2935	+	chr8	11909372	11909499	3.584963
Hsp90b1	2936	-	chr10	86168308	86168336	3.584963
Smyd2	2937	-	chr1	191757494	191757522	3.584963
Fus	2938	+	chr7	135111056	135111085	3.584963
Rnf139	2939	+	chr15	58719592	58719620	3.584963
Atp8b3	2940	-	chr10	79990549	79990577	3.584963
Fars2	2941	+	chr13	36209548	36209672	3.584963
Srp54c	2942	+	chr12	56331237	56331361	3.584963
Hmga2	2943	-	chr10	120117914	120118038	3.584963
Grik3	2944	+	chr4	125088102	125088130	3.584963
Mapre1	2945	+	chr2	153555725	153555753	3.584963
Eif2c2	2946	-	chr15	73007598	73007721	3.584963
Map3k3	2948	+	chr11	105945455	105945484	3.584963
Reg4	2949	+	chr3	98041253	98041281	3.584963
Hist1h2ai	2950	+	chr13	21808279	21808307	3.584963
Cdc2l5	2951	-	chr13	17897297	17897419	3.584963

Mcm4	2952	-	chr16	15637596	15637625	3.584963
Hist1h2bb	2953	+	chr13	23838085	23838206	3.584963
Cd24a	2954	+	chr10	43350623	43350652	3.584963
Ube2f	2955	+	chr1	93146907	93147028	3.584963
H2-Q10	2956	+	chr17	35607194	35607314	3.584963
Rnase1	2957	-	chr14	51770294	51770323	3.584963
Vsx2	2958	+	chr12	85859200	85859229	3.584963
Rnf114	2959	+	chr2	167294374	167294493	3.584963
Tprkb	2960	+	chr6	85866267	85866296	3.584963
Yrdc	2961	+	chr4	124528082	124528110	3.584963
Upp1	2962	+	chr11	9013330	9013359	3.584963
Pax2	2963	+	chr19	44745179	44745208	3.584963
4933433P14Rik	2964	+	chr12	106962979	106963008	3.584963
Cnot2	2965	-	chr10	116033329	116033445	3.584963
Cox8b	2966	-	chr7	148091634	148091662	3.584963
Rn4.5s	2967	-	chr6	47601708	47601823	3.584963
Pisd	2968	-	chr5	33073240	33073355	3.584963
Slc27a3	2969	-	chr3	90187736	90187851	3.584963
Lmna	2970	-	chr3	88296945	88296973	3.584963
Galnt2	2971	+	chr8	126847447	126847561	3.584963
A730008H23Rik	2972	-	chr1	90183783	90183812	3.584963
Blvra	2973	+	chr2	126917940	126917968	3.584963
Gm1967	2974	-	chr2	93728019	93728048	3.584963
Tarbp2	2975	+	chr15	102348208	102348321	3.584963
Hist1h3h	2976	+	chr13	21809616	21809645	3.584963
Otud5	2977	+	chrX	7418382	7418410	3.584963
Psen1	2978	+	chr12	85029173	85029201	3.584963
Ier5	2979	-	chr1	156922115	156922144	3.584963
Atp2b4	2980	-	chr1	135704756	135704784	3.584963
Hist2h3c1	2981	-	chr3	96072710	96072739	3.584963
Col19a1	2982	-	chr1	24619178	24619289	3.584963
Defb7	2983	+	chr8	19985376	19985404	3.584963
B4galt1	2984	-	chr4	40797959	40797987	3.584963
Haao	2986	-	chr17	84389911	84390020	3.584963

Ttc39a	2987	+	chr4	109083708	109083737	3.584963
Hnf4g	2988	+	chr3	3026388	3026416	3.584963
Enc1	2989	+	chr13	98232200	98232228	3.584963
Kctd3	2990	-	chr1	190552450	190552558	3.584963
6430706D22Rik	2991	-	chr1	90159025	90159133	3.584963
Mobkl1b	2992	+	chr6	83273823	83273852	3.584963
Fez2	2993	-	chr17	78727844	78727872	3.584963
Sec14l3	2994	+	chr11	3972184	3972213	3.584963
Zfpm1	2995	+	chr8	124642703	124642732	3.584963
Ormdl3	2996	-	chr11	98443454	98443482	3.584963
Pdzk1	2997	+	chr3	96645639	96645668	3.584963
Alkbh8	2998	+	chr9	3091005	3091033	3.584963
Zer1	2999	-	chr2	29967243	29967271	3.584963
Casp12	3000	+	chr9	5343118	5343147	3.584963
Zfp53	2160	+	chr17	21610959	21610987	3.459432
Umps	1832	-	chr16	34036765	34037032	3.321928
Stard10	1833	+	chr7	108467591	108467674	3.278264
Rab3il1	1285	+	chr19	10089469	10089566	3.231025
Pofut2	2155	+	chr10	76678600	76678660	3.21937
Rpn1	2156	+	chr6	88056781	88056955	3.21937
Macf1	2157	-	chr4	123341463	123341502	3.157969
Dnajb8	2158	+	chr6	88204154	88204182	3.157969
Rsu1	2368	-	chr2	13192867	13192895	3.093839
Ldb1	2369	-	chr19	46111665	46111860	3.026725
4933439C20Rik	2370	+	chr11	3048726	3048857	3.026725
Usp9x	2638	+	chrX	12647812	12647903	2.956335
Olfr161	2639	+	chr16	3235274	3235303	2.956335
4933439C20Rik	2636	+	chr11	3029967	3029996	2.634407
Eftud1	2159	+	chr7	89920220	89920341	2.630133

WT_start; WT_end: genomic coordinates of the peaks

WT_FC: peak height