

Table II (For Review Purposes). Summary of differentially expressed genes between SC- and RCCS-grown iPSC^{Kit-Cre} at EB-day 10. Related to Table IV.

probe	gene	logFC	adj.P.Val
17479027	Cers3	2.906053017	2.27E-05
17311512	Mal2	2.078034517	2.27E-05
17516699	Mpzl2	2.464897753	2.27E-05
17516707	Mpzl3	2.517465766	2.27E-05
17216436	Serpib11	3.414611694	2.27E-05
17265672	Spns2	2.007937414	2.27E-05
17255023	2210409E12Rik	3.275774182	2.75E-05
17506137	Wfdc1	2.480119916	3.92E-05
17216478	Serpib8	1.967886693	3.95E-05
17411262	St6galnac3	3.04830152	3.95E-05
17310250	Capsl	1.811072662	4.37E-05
17329479	Cldn1	2.489830324	4.37E-05
17475054	Lypd3	1.94248353	4.37E-05
17516438	Trim29	2.161433164	4.37E-05
17491535		2.735187153	4.47E-05
17316569	Gm16136	1.980653198	4.97E-05
17345016	Gpr115	1.96979451	4.97E-05
17227094	Adora1	2.090581442	5.00E-05
17471127	Cd9	1.656370683	5.00E-05
17378799	Gm20412	-1.754794681	5.00E-05
17373086	Mtch2	1.433284374	5.00E-05
17216402	Serpib5	3.113075522	5.34E-05
17216447	Serpib7	2.260866931	5.34E-05
17353699	Hbegf	1.786391143	5.57E-05
17301582	Nefl	2.294121976	5.57E-05
17366778		2.220239439	5.57E-05
17322261	Atf7	-1.581410754	6.36E-05
17262836	LOC101056447	1.882662646	6.36E-05
17427746	Prkaa2	2.572067537	6.36E-05
17366687	Sfmbt2	2.648286637	6.36E-05
17449313	Ugt2b34	2.542823286	6.36E-05
17303722	Kcnk5	2.65949848	6.55E-05
17506147	Atp2c2	2.447034549	6.67E-05
17447726	Hs3st1	2.102171962	6.67E-05
17514460	Pdgfd	1.891129995	6.67E-05
17263511	Rasd1	2.652143152	6.67E-05
17316502	Snx31	1.863365346	6.67E-05
17344122	1110038B12Rik	1.5664414	7.97E-05
17482897	Aqp8	3.122094911	7.97E-05

17444364	Fam220a	1.391396819	8.69E-05
17296344	Fst	1.843973299	8.69E-05
17491539	Ipw	2.095279567	8.69E-05
17269358	Krt15	2.900583129	8.69E-05
17230550	Lbr	1.424304845	8.69E-05
17231925	Map7	1.584577422	8.69E-05
17282368	Med6	1.416339839	8.69E-05
17366758	Mir669k	2.037571387	8.69E-05
17366802	Mir669k	2.037571387	8.69E-05
17366838	Mir669k	2.037571387	8.69E-05
17391834	Siglec1	-2.390198223	8.69E-05
17491584	Snord116	2.095279567	8.69E-05
17491586	Snord116	2.095279567	8.69E-05
17491592	Snord116	2.095279567	8.69E-05
17491594	Snord116	2.095279567	8.69E-05
17491537	Snord116l1	2.095279567	8.69E-05
17491566	Snord116l1	2.095279567	8.69E-05
17491570	Snord116l1	2.095279567	8.69E-05
17491572	Snord116l1	2.095279567	8.69E-05
17491574	Snord116l1	2.095279567	8.69E-05
17491576	Snord116l1	2.095279567	8.69E-05
17491578	Snord116l1	2.095279567	8.69E-05
17491580	Snord116l1	2.095279567	8.69E-05
17491582	Snord116l1	2.095279567	8.69E-05
17491588	Snord116l1	2.095279567	8.69E-05
17491590	Snord116l1	2.095279567	8.69E-05
17416758		1.246278926	8.69E-05
17243868	Dram1	2.301915553	8.98E-05
17316390	Rpl30	2.153087256	8.98E-05
17545106	Capn6	1.810275478	9.05E-05
17410251	Enpep	2.768623181	9.05E-05
17548094	Gnpnat1	1.988027945	9.05E-05
17416955	Bend5	2.154316399	9.30E-05
17508766	Eri1	1.800065679	9.55E-05
17231272	4631405K08Rik	2.087846428	9.93E-05
17513389	Mphosph6	1.555925587	9.93E-05
17299465	Naa30	1.589584609	9.93E-05
17538074	Trap1a	2.10951542	0.000106491
17363983	Atad1	1.550123114	0.000106721
17416566	Magoh	1.294430087	0.000106721
17544469	Taf7l	2.276555708	0.000106721
17416754		1.897106381	0.000107938
17297059	Abhd6	1.753115267	0.00011266

17225683	2310007B03Rik	1.958101665	0.000112988
17530406	Acpp	1.293514738	0.000112988
17492431	Anpep	-1.52317311	0.000112988
17366858	Mir669a-3	2.151083992	0.000112988
17366754	Mir669a-8	2.151083992	0.000112988
17366766	Mir669a-8	2.151083992	0.000112988
17366776	Mir669a-8	2.151083992	0.000112988
17366786	Mir669a-8	2.151083992	0.000112988
17366798	Mir669a-8	2.151083992	0.000112988
17366822	Mir669a-8	2.151083992	0.000112988
17366834	Mir669a-8	2.151083992	0.000112988
17366870	Mir669a-8	2.151083992	0.000112988
17366882	Mir669a-8	2.151083992	0.000112988
17366908	Mir669a-8	2.151083992	0.000112988
17366920	Mir669a-8	2.151083992	0.000112988
17505239	Nip7	1.387521905	0.000112988
17421540	Nppb	1.941646382	0.000112988
17228588	Ralgps2	1.41377102	0.000112988
17220034	Sccpdh	1.439286683	0.000112988
17398323	Serpini1	1.839380163	0.000112988
17374880	Tyro3	1.434790199	0.000112988
17542254	Xlr4b	2.195920032	0.000112988
17200083		-2.204559237	0.000112988
17324486	Trp63	1.644004125	0.000113954
17254047	Ccl7	-1.9741016	0.00011457
17499028	Ing1	1.225068604	0.00011457
17366826	Mir669k	1.90648491	0.00011457
17350090	Sh3rf2	1.3200689	0.00011457
17331173	St3gal6	1.60760869	0.00011457
17387407	Tfpi	1.73271482	0.00011457
17273536	Zfp750	2.174665529	0.00011457
17366790		1.90648491	0.00011457
17522439	Myl3	1.688475388	0.000117533
17535902	Xlr4d-ps	1.454895719	0.000117533
17525503	Chek1	1.349902634	0.000121095
17233347	Gja1	1.085688986	0.000122117
17321966	Krt5	3.259964075	0.000122803
17455496	n-R5s180	-1.55355513	0.000124138
17407001	Efna3	1.226234801	0.000124661
17366874	Mir669k	1.910882486	0.000124661
17339223	Lama1	2.273499786	0.00012973
17533959	LOC101056452	1.96444173	0.00013487
17512001	Gtl3	1.523189756	0.000139531

17357560		-1.509487918	0.00014182
17208015		2.688539683	0.000142386
17519940	Bckdhb	1.620769235	0.000146125
17403895	Lrrc40	1.128640642	0.000146125
17366746	Mir669k	2.217010285	0.000146125
17438113	Cwh43	2.611816665	0.00015478
17529307	Elovl4	2.405836386	0.00015478
17243761	Fabp3-ps1	2.572661244	0.00015478
17449288	Tmprss11bnl	1.771340492	0.000158276
17348295	Thoc1	1.810077686	0.000164296
17547571	Gm12115	1.315054628	0.000165917
17391339	Mall	2.600889893	0.000165917
17367852	Nrarp	1.239289546	0.000165917
17316120	Cdh6	1.492507046	0.000167792
17344349	Dpcr1	3.289258199	0.000168764
17413615	Frmpd1	1.6385509	0.000168764
17302429	Lmo7	1.43303358	0.000168764
17245431	Mir763	-1.396510145	0.000168764
17378440	Procr	1.576587453	0.000168764
17217136	Slc45a3	2.025593532	0.000168764
17276906	Smoc1	1.288371706	0.000168764
17275830		1.133991133	0.000172113
17491606		2.692688024	0.000176033
17396024	Stmn2	1.684442011	0.000176996
17276007	Tmx1	1.19319677	0.000185054
17409668	Cdc14a	1.485740963	0.000185914
17348634	Rsl24d1	1.181196882	0.000185914
17357150	Wdr74	1.627755651	0.000185914
17448607	Commd8	1.416169476	0.000186046
17406165	Glr3	2.060177577	0.000186046
17384994	Orc4	1.139277781	0.000187029
17493842	Arhgef17	-1.50211311	0.000190199
17527173	Elmod1	1.735050081	0.000192666
17468594	Gkn1	2.945518762	0.000192666
17508532	Got111	1.501426245	0.000192666
17494950	Scube2	2.194593501	0.000192666
17276642	Fut8	1.793551378	0.000193432
17406129	Tmem144	2.009053278	0.000197333
17366814		1.705208359	0.000203719
17366850		1.705208359	0.000203719
17405247	Exosc8	1.814986958	0.000208634
17423479	Osgin2	1.598400304	0.000210122
17509842	Zfp868	1.428394729	0.000210122

17235831	Gm10778	2.062878572	0.000218321
17326081	C330027C09Rik	1.306948672	0.000221764
17541760	Mospd1	1.288424279	0.000221764
17228023	Swf1	1.285938769	0.000221764
17366716		1.649202365	0.000221764
17249206	Adamts2	-1.392175541	0.000223265
17293348	Ctla2b	-2.032797442	0.000223265
17248231	Nsg2	1.751383779	0.000223825
17509282	Cdkn2aip	1.832091326	0.000224967
17534909	Ddx26b	1.375489542	0.000224967
17499808	Defb1	1.768719104	0.000224967
17409963	Fnbp1l	1.3056544	0.000224967
17364350	Fra10ac1	0.985636251	0.000224967
17491598	lpw	1.932109388	0.000224967
17491604	lpw	1.932109388	0.000224967
17491608	lpw	1.932109388	0.000224967
17491610	lpw	1.932109388	0.000224967
17491612	lpw	1.932109388	0.000224967
17491614	lpw	1.932109388	0.000224967
17491616	lpw	1.932109388	0.000224967
17491618	lpw	1.932109388	0.000224967
17491620	lpw	1.932109388	0.000224967
17491622	lpw	1.932109388	0.000224967
17491624	lpw	1.932109388	0.000224967
17491628	lpw	1.932109388	0.000224967
17491630	lpw	1.932109388	0.000224967
17302397	Klf5	1.65217663	0.000224967
17269391	Krt14	2.278784946	0.000224967
17415979	Lepr	2.398281528	0.000224967
17352549	Mpp7	1.216619832	0.000224967
17244514	Nudt4	1.301187078	0.000224967
17249611	P4ha2	1.638416351	0.000224967
17438423	Paics	1.028087444	0.000224967
17545741	Pdha1	1.122644991	0.000224967
17489908	Pop4	1.325844186	0.000224967
17449033	Ppat	1.474069417	0.000224967
17238210	Prim1	1.548268615	0.000224967
17512755	Psmc7	1.139019988	0.000224967
17411054	Rpf1	0.972551091	0.000224967
17544164	Rps6ka6	1.792430018	0.000224967
17216469	Serpinb10	2.748745092	0.000224967
17355420	Ska1	1.313609987	0.000224967
17491596	Snord116	1.932109388	0.000224967

17491602	Snord116	1.932109388	0.000224967
17293045	Spock1	1.75108671	0.000224967
17414017	Tmeff1	1.156540375	0.000224967
17218707	Tnfsf18	1.63928246	0.000224967
17283940		1.851284871	0.000224967
17443390	Upk3bl	1.3859711	0.000225494
17404616	Mrpl47	1.018301395	0.000225952
17400998	Vtcn1	1.253864148	0.000230624
17248080		1.864128735	0.000233163
17520233	Ctsh	1.941736108	0.000234432
17325069	Heg1	-1.22746096	0.000234432
17404139	Snx16	1.38502697	0.000234432
17211347	Tfap2b	3.256876365	0.000234432
17542279	Xlr5b	2.498196047	0.000234432
17492078	Mctp2	1.26176973	0.000236219
17284020	Stk30	1.177172372	0.000236219
17501484	Spock3	1.85004623	0.000236498
17403509	Lpar3	2.53319058	0.000240232
17275332	G2e3	1.053169733	0.000240939
17438272	Kit	2.327006827	0.000244177
17304523	Stab1	-2.800170206	0.000244177
17239702	Tbpl1	1.128226022	0.000244177
17211243	Terf1	1.207776637	0.000244177
17360109	Ina	2.163677719	0.000245269
17303400	Pdhb	1.200537304	0.000247695
17392255	Flrt3	1.522687784	0.00025252
17335893	Cryaa	2.672008163	0.000254375
17379206	Mybl2	1.962068301	0.000254375
17548190	Stmn3	1.052068982	0.000254375
17365014	Erlin1	1.388140705	0.00025722
17301558	Kctd9	1.052766274	0.000258793
17334904	Luc7l	1.149006793	0.000258793
17436942		1.784378353	0.000258793
17291534	Cdkal1	1.491604635	0.000263979
17255479	Gm11534	2.316247408	0.000263979
17505069	Slc7a6	1.314246583	0.000265942
17275378	Coch	1.08004837	0.000266333
17305034	Sncg	1.462067955	0.000266333
17407407	Spr3	1.751116753	0.000266333
17288952	Tmem161b	1.589384878	0.000266333
17475216		-1.417126736	0.000266333
17523898	9230110C19Rik	1.821999457	0.000267268
17323198	Efcab1	1.698735128	0.000268084

17222825	Nabp1	1.641015412	0.000268084
17347457	Atl2	0.959033337	0.000271877
17241912	Ddt	1.094727151	0.000271877
17467128	Nt5c3	1.306568318	0.000276487
17551105		-3.247902364	0.000276487
17379871	1500012F01Rik	1.212511345	0.000279189
17292084	Adtrp	1.506156669	0.000279189
17243509	Nfyb	1.465159727	0.000279189
17546745		2.0333596	0.000279189
17341769	1600002H07Rik	1.612624936	0.000279841
17245923	Lrp1	-1.812318166	0.000279841
17266988	Tada2a	1.036978714	0.000279841
17266289	Cryba1	3.556241834	0.000280876
17363470	Gda	-1.107610335	0.000280876
17299027	Gm2959	-2.130645991	0.000280876
17241355	Hkdc1	2.233460141	0.000280876
17231676	LOC101056577	2.076830596	0.000280876
17224125	Mreg	1.820240312	0.000280876
17286719	Pak1ip1	1.005551469	0.000280876
17471107	Plekhg6	1.241452067	0.000280876
17512657	Slc7a6os	1.043060988	0.000280876
17250775	Trim16	1.499508567	0.000280876
17203245		2.156493762	0.000280876
17293849		-1.670105492	0.000280876
17241137	Unc5b	-1.372012337	0.000281716
17331828	Cldn8	1.793129052	0.000284427
17202163		2.752955429	0.000284427
17388353	Gylt1b	1.856644011	0.00029005
17230102	lfi202b	1.931299926	0.00029005
17504160	Polr2c	1.021349827	0.00029005
17475342	Tgfb1	-1.268420973	0.00029005
17523994	Cep57	1.329774774	0.000292531
17465062	Fam3c	1.118997546	0.000292531
17548311	Gm19958	-1.28605215	0.000292531
17548313	Gm19958	-1.28605215	0.000292531
17548642	Gm19958	-1.28605215	0.000292531
17548644	Gm19958	-1.28605215	0.000292531
17279724	Macc1	2.547719689	0.000292531
17374156	Muc15	2.262777362	0.000292531
17315606	Pde1b	2.06336772	0.000292531
17446424	Xrcc2	1.49191847	0.000292531
17238097	Tmem194	1.78506191	0.000293305
17416748	Txndc12	1.359788314	0.000296434

17508787	Lonrf1	1.165723529	0.000298227
17274775	Lamb1	1.103122097	0.000299442
17425160	Erp44	0.882224752	0.000301814
17366800	Mir669g	1.977887093	0.000301814
17366836	Mir669g	1.977887093	0.000301814
17371485	Phospho2	1.08767769	0.000301814
17347042	Ndc80	1.139148398	0.000305579
17293006	Neurog1	1.833765977	0.00030782
17291972	Slc35b3	1.449760039	0.000311418
17524087	Ankrd49	1.06981284	0.000316468
17423228	Ints8	1.137635543	0.000316468
17275890	Klhdc1	1.192692571	0.000316468
17497076	Chst15	1.798222876	0.000317335
17445996	Orc5	0.95613211	0.000317335
17323110	2900011O08Rik	1.186888997	0.000331087
17363828	Ermp1	0.976435903	0.000331087
17489431	Fxyd3	1.48338274	0.000331087
17371739	Hat1	0.92619302	0.000331087
17366752	Mir466b-2	2.4035146	0.000331087
17366764	Mir466b-2	2.4035146	0.000331087
17425566	Ptpn3	1.623030752	0.000331087
17232119	Slc2a12	1.040620968	0.000331087
17533755	Slc6a14	1.896080311	0.000331087
17512938	Snord111	1.393877109	0.000331087
17305757	Wdhd1	1.409268635	0.000331087
17247458	Wdr92	1.335774932	0.000334548
17249375	Cdkn2aipnl	1.058560971	0.000340741
17281895	Trmt5	0.950014942	0.000340741
17316392	Hrsp12	1.150008932	0.000340997
17249481		1.493185957	0.000342674
17495005	Tmem41b	0.99694015	0.000344995
17377459		1.124333187	0.000351976
17449596	Rchy1	1.251625744	0.000353839
17519952		-1.095425769	0.000353839
17416750		1.267408195	0.000353839
17449634		1.082705374	0.000354101
17510422	B3gnt3	1.901395573	0.000359032
17532268	Cx3cr1	-1.61988593	0.000359032
17221093	Gm6104	1.417742228	0.000359032
17286621	Riok1	1.167205782	0.000359032
17507559	Grtp1	1.158531136	0.000361431
17391332	Mal	3.207488476	0.000361556
17481960	Arntl	2.217336435	0.000361883

17225169	Snora75	2.478374937	0.000362919
17353232	Syt4	2.192997787	0.000363767
17219308	Pvrl4	1.299126026	0.000365403
17538390	Gm15070	1.924181728	0.000367744
17422704	Ccnl2	1.063404941	0.000369415
17505762	Zfp1	1.347723367	0.000370236
17546234	Vamp7	1.219462099	0.000381869
17267155	Appbp2	1.144635787	0.000382761
17299454	Ap5m1	1.202376703	0.000388211
17246310	Dgka	1.190570869	0.000388211
17326636		-1.103011699	0.000388211
17449301	Tmprss11e	2.256260152	0.000389502
17370598	Acvr2a	1.430572548	0.000390965
17356622	Cdca5	1.542025183	0.000390965
17506353	Gm22	-1.80391765	0.000390965
17257361	Mrc2	-1.236490248	0.000390965
17402681	Papss1	1.108767648	0.000390965
17416751		1.323181666	0.000390965
17222072	Ccdc115	1.660637536	0.000391879
17420171	Hspg2	-1.208602605	0.000391879
17350563	Srfbp1	1.06092012	0.000391879
17438134	Dcun1d4	1.019996594	0.000392328
17210393		2.110244863	0.000399251
17261878	Gabrg2	1.784430906	0.000402161
17463781	Emp1	1.357727046	0.000403735
17298775	Anxa8	1.522553724	0.000405459
17354804	Grpel2	1.064659085	0.000405459
17539004	Klf8	1.559553698	0.000405459
17366810	Mir669a-8	2.173640889	0.000405459
17366846	Mir669a-8	2.173640889	0.000405459
17501025	Mlf1ip	1.110833102	0.000405459
17203425		2.482715356	0.000405459
17416760		1.147112328	0.000405459
17365165		0.966889402	0.000405459
17280842	lfrd1	1.245138784	0.000408551
17352933	Dsc2	1.850424956	0.000410969
17487489	Pvr	1.358948131	0.000410969
17551067		-2.824718703	0.000410969
17497525	Adam8	-1.820024746	0.000411115
17310339	C1qtnf3	1.817898301	0.000411115
17484454	Utf1	-1.925255355	0.000411115
17346664		-1.008142981	0.000413978
17491193	Saa3	-4.068390594	0.000416053

17255058	Tmem100	1.370746587	0.000419621
17399012	Cct3	0.998737559	0.000423686
17398287	Nmd3	1.036069531	0.000423686
17329079	Parl	1.011796389	0.000423686
17551071		-3.479349922	0.000423686
17486308	2810047C21Rik1	1.549586138	0.000423787
17486384	2810047C21Rik1	1.549586138	0.000423787
17268243	B4galnt2	2.797501638	0.000423787
17259585	Narf	1.733335461	0.000423787
17550494	Gm11974	1.541750303	0.000426755
17413500	Glipr2	1.429009147	0.000427709
17537271	Zfp711	1.586419941	0.000427709
17340449	Tfb1m	0.873110999	0.00043195
17504350	Setd6	1.174472918	0.000432943
17337741	Tnfrsf21	1.287482702	0.000432943
17295944	Ppwd1	1.156194922	0.000433648
17300396	Ngdn	1.217993002	0.000434983
17509697	Tma16	0.993049611	0.000434983
17503616	Adcy7	-1.145792596	0.000435138
17381752	Fam188a	0.952412583	0.000435138
17222001	Prim2	1.248518958	0.000439165
17351414	Pmaip1	0.888965948	0.000439401
17329759	Apod	1.461876561	0.000442594
17546160	Msl3	1.506671093	0.000442782
17551065		-3.220302773	0.000445865
17466659	Tra2a	1.326057599	0.000447418
17397268	Plk4	1.071428524	0.000454718
17366012	4930506M07Rik	1.685668582	0.000461066
17395302	Gm14402	2.269928081	0.000461066
17437887	Limch1	1.094679817	0.000461066
17422988	Rps20	1.315546363	0.000465114
17511540	Sall1	1.983056654	0.000465114
17359411	Zfp518a	1.007922661	0.000468411
17346412	Gtf2f1	1.134185181	0.000469183
17444940	Uspl1	1.260995929	0.000469183
17447831	Fgfbp1	2.030004288	0.00047404
17337063		1.232211448	0.00047404
17550847		-3.168700414	0.000477597
17507288	Shcbp1	2.032575419	0.000490014
17464146	Cmas	0.942361638	0.00049229
17507584	Dcun1d2	1.103409458	0.00049229
17309981	Fyb	-1.89447342	0.00049229
17421571	Mad2l2	0.964238392	0.00049229

17507490	Tubgcp3	1.304434837	0.00049229
17436328	Yes1	1.000284564	0.00049229
17551063		-3.166012244	0.00049229
17524703	Ap1m2	1.322166043	0.000492811
17216339	Tnfrsf11a	-1.073946442	0.000494299
17360599	Adrb1	1.140825746	0.000494415
17540402	Efhc2	1.736467859	0.000494415
17421588	Fbxo2	1.333798382	0.000494415
17510823	Gab1	0.906336142	0.000494415
17348791	Dsg3	2.064034432	0.000497918
17358876	Rpp30	0.891370659	0.000497918
17340502	Serac1	1.104217635	0.000497918
17548472		0.859256745	0.000497918
17530069	Armc8	1.007004466	0.000498839
17390186	Tmem87a	1.11021969	0.000498839
17433931	B3galt6	1.300714583	0.000501007
17365421	Nt5c2	1.452056147	0.000501007
17377651	Slc52a3	0.982084943	0.000501007
17535488	Xlr5b	2.186766884	0.000501277
17330058	Pdia5	1.193991166	0.000501782
17371390	Nostrin	2.187165899	0.000507329
17405985	Pdcd10	0.870363445	0.000507329
17488436	Plekhg2	-0.921949602	0.000507329
17408563	Vangl1	1.556062988	0.000507329
17405471	Gpr87	2.167136601	0.000511012
17368760	Mir3088	1.370674016	0.000511012
17362503	Ttc9c	1.094259333	0.000511012
17495305		1.06316474	0.000511012
17414984	Lurap1l	1.445792582	0.000513661
17227384	Pkp1	1.834584937	0.000513661
17264863		1.337213307	0.000513661
17300365		1.547305483	0.000513661
17358486	Cdc37l1	0.934131468	0.00051608
17467302	Vmn1r36	-2.232198484	0.000518616
17545225		1.428680117	0.00051932
17513713	Piezo1	-1.188131254	0.000528476
17539586	Fancb	1.124589965	0.000532355
17241409	Srgn	2.125713011	0.000532355
17469341	Uba3	0.969937201	0.000532482
17450180	Fam175a	1.175443923	0.000533491
17438969	Pf4	-2.26472321	0.000533491
17276352	Snapc1	0.962800095	0.000533491
17230256	Adss	0.816614555	0.000546879

17404259	Armc1	1.115356531	0.000546879
17508779	Cldn23	1.467223266	0.000546879
17432387	Tmem51	1.453041644	0.000546879
17267745	Tom11l	1.177471782	0.000546879
17365617	Wdr96	-0.858236493	0.000546879
17204595		1.676982564	0.000546879
17378905	Arhgap40	1.318808284	0.000548119
17319022	C1qtnf6	-1.050107494	0.000548572
17513176	Tmem170	1.095752891	0.000549823
17295649	Gtf2h2	0.893519552	0.000549887
17359212	Hells	1.18008755	0.000549887
17308888	Naa16	1.116463502	0.000549887
17243850	Parpbp	1.383801722	0.000549887
17237035	Slc6a15	1.462454324	0.000549887
17401072	Tspan2	1.259410703	0.000549887
17449636		1.274129313	0.000549887
17551127		-4.232462688	0.000549887
17279162		1.158794901	0.000549887
17465246	Pot1a	1.294645596	0.00055287
17241377	Supv3l1	0.988272399	0.00055287
17324305	Dnajb11	1.271418854	0.000554547
17226752	Dyrk3	1.203867992	0.000554547
17222650	Uxs1	1.122081754	0.000557299
17275351	Scfd1	0.903608504	0.000558513
17478942	Tm2d3	1.004366066	0.000558513
17310673	Ank	1.29905006	0.000561673
17458813	Aqp1	1.221190122	0.000562867
17287081	Id4	1.300538668	0.000563439
17355316	Poli	1.11519793	0.0005645
17373776	Gm13875	-1.064395331	0.000564882
17527769	Bbs4	1.449971397	0.000571966
17476959	2610021A01Rik	1.083912737	0.000573542
17315960	Brix1	0.940507284	0.000582461
17261122	Papolg	1.177015664	0.000582461
17422138	Gpr153	-0.986995709	0.000582758
17274513	Grhl1	1.314497234	0.000582758
17528125	Smad6	-1.129672111	0.000585121
17321241	Snora34	0.936383269	0.000591414
17457804	Tcrb-J	-1.228436645	0.000592031
17269347	Krt13	1.795149113	0.000592334
17349764	Wdr55	1.575082079	0.000594349
17508423	Ash2l	0.895633738	0.000595093
17387305	Frzb	1.936236507	0.000595093

17360331	Mxi1	1.102208515	0.000599537
17324623	Hes1	0.897333373	0.000600871
17449639		1.546056562	0.000603286
17510749	Abce1	0.867761546	0.000604492
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17442942	Snora15	2.136214693	0.000604492
17376270	Snord110	1.755379926	0.000604492
17357223		1.105866578	0.000604492
17394003		1.437295146	0.000604492
17326510	Pros1	1.036341466	0.000604695
17310044	Lifr	1.231502545	0.000607395
17368569	Col5a1	-1.222706833	0.000612909
17227266	Elf3	1.679213182	0.000614316
17517500	Fbxo22	1.131790434	0.000616451
17290033	Arl15	0.918047635	0.000619166
17414456	Hsd12	0.858366945	0.000619166
17324394	Snord2	1.498352325	0.000619166
17551117		-3.17531611	0.000619166
17289329	Fam169a	2.249873907	0.00062292
17509676	Gm10664	1.250280853	0.00062292
17277195	Ptgr2	1.254225824	0.000626447
17275689	Gemin2	1.01373162	0.000626832
17281193	Gm2446	1.116654625	0.000626832
17412123	Ccnc	1.023124526	0.000629941
17366788	Mir669g	1.639490574	0.000633275
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17534938	Slc9a6	1.902123043	0.000633275
17502462	Tmem38a	0.884478113	0.000633275
17212935	9430016H08Rik	0.948826832	0.00063493
17542588	Flna	-1.174436612	0.00063493
17358020	Nmrk1	1.347754821	0.00063493
17397344	Phf17	1.300182784	0.00063493
17438496	Polr2b	0.882551608	0.00063493
17468532	Gmcl1	0.896491187	0.000636442
17551125		-2.853963679	0.000636442
17245272	Nup107	1.320710017	0.000640052
17278709	Mir434	1.692516324	0.000641669
17424554	Stoml2	1.081440486	0.000641669
17381200	Rpp38	0.909974898	0.000641948
17248069		1.122205897	0.000641948
17461486		2.81790866	0.000641948
17376252	Nop56	1.022120545	0.000652568
17416755		1.882290509	0.000652568

17386569	Chn1	1.021780651	0.000653037
17514359	Alkbh8	1.033871135	0.000656511
17456627	Finc	-1.089912794	0.000657094
17357225		1.201189231	0.000659205
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17233273	Dcbld1	1.693295587	0.000669313
17439563	Enoph1	1.120764891	0.000669313
17289324	Gcnt4	2.145909558	0.000669313
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17391888	Rnf24	1.74161033	0.000673904
17354282	Cdo1	1.602115857	0.000675993
17331987	Mis18a	1.403594832	0.00067744
17232162	Vnn1	1.73166731	0.00067744
17255762	Mrpl45	1.036514156	0.000679395
17289794	Plk2	0.934056238	0.000685124
17223313	Tyw5	1.078160016	0.000685124
17534064	Zcchc12	1.172624559	0.000685124
17528137	Zwilch	1.414764777	0.000685124
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17423030	Sdr39u1	1.729642574	0.000686506
17333567	Tbp	0.877148792	0.00069215
17355512	8030462N17Rik	1.362396347	0.000693834
17495297	Psma1	0.833212107	0.000694655
17221497	Tceb1	1.111245224	0.000694655
17424674	Tln1	-1.165753319	0.000694655
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17482307	Ppp1cc	0.822158178	0.00069486
17265384	Gm12318	-1.007063543	0.00069521
17378628	Aar2	1.17276956	0.000703045
17499962	Plat	1.151005648	0.000703045
17278470	Vrk1	1.349219881	0.000708901
17407010	Efna4	1.239310112	0.00070896
17244591	4930430F08Rik	1.122796511	0.000714082
17266797	Rffl	1.25836172	0.000717493
17276926		1.857927911	0.000719856
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17398406	Fam198b	0.855178373	0.00072228
17508868	Cnot7	0.850935373	0.000725713
17359156	Slc35g1	1.666858617	0.000725713
17254916	Srsf1	1.091990374	0.000725713
17289568	Trim23	1.097473868	0.000725713

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17256225	Cdc6	1.721511738	0.000726967
17231349	Ppp1r14c	1.23680107	0.000726967
17376626	Mcm8	0.993924583	0.000727088
17205293		-1.190216728	0.000727088
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17232634	Tube1	0.979407623	0.000731003
17396287	Hlff	1.014328753	0.000732794
17407749	Bnpl	0.953986469	0.000735035
17351053	Csf1r	-1.417746338	0.000735035
17396978	Exosc9	0.898265154	0.000735035
17231248	G0s2	-0.935885511	0.000735035
17478496	Luzp2	1.333411133	0.000735035
17230499	Nvl	1.103004212	0.000735035
17239755	Rps12	0.994629353	0.000735035
17426517	Tle1	0.879018246	0.000735035
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17323067		0.972440899	0.000735035
17228743	Cacybp	0.845998428	0.000735937
17231534	Nup43	0.957645141	0.000736595
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17357741	Mrpl16	0.982104323	0.000737223
17306054	Osgep	1.095449791	0.000737223
17449637		1.316244044	0.000737223
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17278104	Tmem251	1.127111523	0.00074215
17274496	Taf1b	0.846833318	0.000745789
17504649	Cbfb	0.948606332	0.000746882
17281506	Pole2	1.084143333	0.000746882
17481556	Ppfibp2	1.120026876	0.000746882
17333672	Riok2	0.968080599	0.000746882
17475221		-1.167096803	0.000746882
17295346	Utp15	1.262065659	0.000748035
17537019	Pbdc1	0.955659354	0.000751371
17314738	Spats2	1.583858764	0.00075169
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17529793	Atp1b3	0.834502372	0.000753488
17366728	Mir669d	1.47890978	0.000753488
17297637		-1.114994482	0.000753488
17512628	Dpep2	2.326344513	0.000759527
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17455944	Acn9	0.750790072	0.000764936
17512634	Esrp2	1.067131476	0.000764936
17435584	Insig1	1.297940583	0.000764936
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17227297	Timm17a	0.894933856	0.000767643
17388196	Ddb2	0.901840278	0.000772104
17501504		-1.580929534	0.000778305
17329809	Pigx	0.96204975	0.000778686
17490551	Prr12	-0.939909469	0.000778686
17310304	Rad1	0.811587701	0.000778686
17226486	2900009J06Rik	-1.170481259	0.000779123
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17546001	Gira2	1.575948334	0.000779123
17274346	5730507C01Rik	1.024254223	0.0007829
17362511	Gng3	0.888557634	0.0007829
17222332	Mgat4a	1.214885792	0.0007829
17274202	Ntsr2	0.964094324	0.0007829
17316831	Nudcd1	0.854459234	0.0007829
17331021	Pcnp	0.8381833	0.0007829
17442032	Ppp1cc	1.077503693	0.0007829
17351497	Seh1l	0.891736883	0.0007829
17529549	Snhg5	0.941267895	0.0007829
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17467359	Tacstd2	1.84323861	0.000787781
17317313	Tatdn1	0.949653182	0.000787781
17303453	4930452B06Rik	0.997524296	0.000788672
17249282	Clk4	1.083169847	0.000788672
17311191	Cthrc1	-0.96170997	0.000788672
17401144	Dennd2c	1.305310963	0.000788672
17449627	G3bp2	0.983499716	0.000788672
17325592	Popdc2	-1.508863014	0.000788672
17458074	Cul1	0.930749269	0.000790172
17253422	Dhrs13	1.22493965	0.000790172
17232215	Moxd1	0.987554722	0.000790172
17301108	Arl11	-1.101209529	0.000795715
17470394	B4galnt3	1.5550475	0.000795715
17364565	Blnk	-1.159900525	0.000795715
17279858	Fkbp1b	1.476171296	0.000795715
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17370745	Rif1	0.849091385	0.000795715
17305986	Rpph1	-2.105756276	0.000795715
17423674	Ufl1	1.095189704	0.000795715
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17319753	Gm17206	-0.963208614	0.000795788
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17519022	Myo1e	0.971190126	0.000795788
17295770	Slc30a5	0.862615609	0.000795788
17357556		-1.076565146	0.000796017
17518318		2.201298272	0.000799115
17220844	Nek2	1.246256027	0.000799472
17384813	Ppp6c	0.856861265	0.000799472
17310637	Fam134b	1.370769549	0.000800544
17353796	Taf7	1.204112825	0.000812592
17339476	Wdr43	0.976075248	0.000812592
17294664	Polr3g	1.033057436	0.000815951
17324762	Rnf168	1.011463294	0.000815951
17467799	Tgoln1	0.946967098	0.000815951
17290949	Zscan26	1.375721793	0.000815951
17219848	Exo1	1.076081048	0.000818526
17339604	Slc30a6	1.478645113	0.000818526
17407578	Tuft1	1.17017144	0.000818526
17414434	Ugcg	1.067087268	0.000818526
17551109		-3.06654592	0.000818526
17548946	H3f3b	0.744066099	0.000822339
17213317		-1.280746686	0.000822339
17352241	Fbxo15	2.165811391	0.000827558
17212406	Bivm	0.979011099	0.00082839
17484040	Bub3	0.915583099	0.000830985
17408829	Ddx20	1.088720653	0.000830985
17283939		1.750491937	0.000831988
17338434	Oard1	1.300678586	0.000833066
17424298	Dctn3	0.858553937	0.000835839
17528775	Gm5918	0.836341334	0.000835839
17374098	Lgr4	1.492155693	0.000835839
17538590	Pfkfb1	0.987772489	0.000835839
17544220	Pof1b	1.871944537	0.000835839
17419277	Sdc3	-1.06109848	0.000835839
17304510	Snord69	1.804017613	0.000835839
17257157	Wnt3	1.500660799	0.000835839
17551101		-3.316269509	0.000835839
17209145		-2.153808492	0.000835839
17229433	Nuf2	0.945026897	0.000842804

17488806	Spint2	0.927278466	0.000844284
17300153	Traj50	0.786338775	0.000845838
17247377	Vstm2a	1.320768558	0.000845838
17409893	Slc44a3	1.707831446	0.000846114
17203959		1.496739175	0.000846114
17223117	Gtf3c3	0.803156966	0.000849132
17397604	Supt20	0.931332022	0.000849143
17551073		-3.044273801	0.000850619
17346975	Emilin2	-1.095330798	0.000851048
17278886	Mir409	-1.087660547	0.000851048
17401741	Taf13	0.847377591	0.000851048
17348467	3110002H16Rik	1.445716972	0.000851337
17287330	Cks2	0.939588424	0.000851337
17363025	Stx3	1.630202332	0.000851337
17302849	Tm9sf2	0.784494058	0.000851337
17505309	Mir140	-1.022248956	0.000851435
17551133		-3.33591429	0.000851435
17279404	Pld4	-2.023107353	0.000851982
17444802	LOC100505283	1.936588138	0.000857685
17329167	Clcn2	1.292061435	0.00086258
17516087	Vsig2	1.040105406	0.00086258
17236500		-1.085215786	0.000870394
17243576	Appl2	0.945008357	0.000872676
17287160	Aspn	2.353763333	0.000872676
17223616	Raph1	-0.916093056	0.000872676
17352439	Arhgap12	0.900532561	0.000880016
17385967	Galnt3	1.494966082	0.000880016
17231844	Perp	0.968506659	0.000880016
17228164	Lamc1	0.810332054	0.000881394
17245264	Slc35e3	1.012126597	0.000881394
17484852	Eps8l2	1.159874653	0.000885111
17374332	Fmn1	-0.969867711	0.000885111
17514257	Rbm34	1.253657002	0.000890384
17240027	Trmt11	0.804181001	0.000892342
17395777	Ptk6	1.948197339	0.000892851
17402181	F3	1.516806454	0.00089321
17548620	Gm15118	0.865786341	0.00089321
17290999	Hist1h2bn	-0.785678178	0.0008938
17354831	Ablim3	1.172478362	0.000895177
17278765	AF357426	0.942117075	0.000895177
17378596	Cnbd2	-0.933231571	0.000895177
17260786	Etaa1	0.938220828	0.000895177
17235826	Gm10777	0.916097974	0.000895177

17393541	Gm14173	-0.83880404	0.000895177
17458439	Gpmb	-1.650680847	0.000895177
17527666	Islr2	1.089079407	0.000895177
17246860	Nipsnap1	1.064921293	0.000895177
17337276	Ppp1r18	-1.142688162	0.000895177
17541612	Rap2c	0.966814723	0.000895177
17549354	Stx7	1.571347995	0.000895177
17549736	Stx7	1.571347995	0.000895177
17300079	Trav13-4-dv7	-1.410068586	0.000895177
17418128	Trit1	1.256037157	0.000895177
17475225		-0.916064377	0.000895177
17544919	Nup62cl	1.666822894	0.000900867
17381404	Sec61a2	1.224807413	0.000900876
17347493	Srsf7	0.869430044	0.000903928
17416759		1.160010929	0.000903928
17319453	Slc25a17	0.876344078	0.000907673
17361041	Aldh3b1	-0.860627368	0.000909948
17311602	Mtbp	1.262025125	0.000912837
17354585		-1.029693573	0.000914569
17349993	Rnf14	1.000098327	0.000917396
17431478	Grhl3	2.05912738	0.000924557
17547795		1.012603714	0.000927716
17256537	Mlx	0.906572275	0.00093072
17260742		-2.726146169	0.00093072
17495466	Arl6ip1	0.773094034	0.000931125
17528963	Lrrc1	1.824046075	0.000931125
17443883	Zfp157	1.231700189	0.000931125
17491636	D7Erttd715e	1.399328703	0.000935714
17499011	E230013L22Rik	-0.864746246	0.000937852
17480292	Nars2	0.901474425	0.00093841
17357220		2.085573521	0.000940915
17389920	Oip5	1.449413275	0.000948343
17354463	March3	1.196435471	0.00094956
17541440	Zfp280c	0.893052023	0.00094956
17542034	Cdr1	1.93851104	0.000953581
17296537	Zfp131	0.918333706	0.000954659
17284469		-1.205460433	0.000961266
17478362	Prmt3	0.794224167	0.000962772
17276819	Exd2	0.829345308	0.000963843
17289344	Gfm2	1.008232818	0.000963843
17288387	Nsun2	0.867371102	0.000963843
17261575	Ranbp17	1.076333883	0.000964679
17548532	Col1a2	-1.799362576	0.000965163

17289660	Dimt1	0.82993017	0.000965163
17364762	Exosc1	1.039102919	0.000965163
17296142	Gbp1	0.769951936	0.000965163
17343483	Zfp870	0.992988186	0.000965163
17490695	Dkk1	1.47389545	0.000966906
17210639		-2.162977321	0.000966906
17514087	2310022B05Rik	-0.89651857	0.000967497
17410239	5730508B09Rik	0.835539031	0.000967497
17451334	Crybb3	1.675391288	0.000967497
17257100	Fmn1	-0.857053156	0.000967497
17550693		-2.51474518	0.000967497
17366884		1.749076195	0.000967497
17249362	Sar1b	0.830228626	0.000971835
17528924	Fam83b	1.66464743	0.000972088
17211498	Lmbrd1	0.729266201	0.000972088
17438246	Pdgfra	1.560770515	0.000972088
17341378	Zfp942	1.26941708	0.000972088
17456995	Mkln1	0.82263863	0.000975446
17546055	Egfl6	2.163950854	0.000977282
17304976	Mapk8	0.919767916	0.000977282
17472847	Asun	0.746188375	0.000980285
17330443	Gap43	1.06431986	0.000980285
17366774	mmu-mir-466c-1	2.357089857	0.000980285
17366784	mmu-mir-466c-1	2.357089857	0.000980285
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17384455		1.690072354	0.000980285
17280609	Pik3cg	-1.215318776	0.000981165
17546192	Hccs	0.860143672	0.000985986
17517481	Ube2q2	1.019576455	0.000986593
17280498	Dld	0.895495533	0.000992938
17441105	Coq5	1.48177619	0.000995324
17472030	Dusp16	1.110496926	0.000995431
17541721	Mir542	-1.280769029	0.001004423
17348492	Lama3	0.892196058	0.00100581
17423121	Car8	2.097179303	0.001007146
17269415	Krt17	2.2313145	0.001007146
17359436	Lcor	1.014439027	0.001007146
17509189	Ccdc111	1.068380955	0.001014108
17234175	lpmk	1.123616686	0.001014303
17203897		2.458007057	0.001014303
17238722	H60c	1.654392868	0.001014565
17503559	Cnep1r1	0.795758349	0.00102031
17417407	Pik3r3	1.086790147	0.00102031

17486864	C5ar1	-1.712380109	0.00102227
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17354473	C330018D20Rik	1.105895667	0.001022904
17235227	Cirbp	1.058888914	0.001022904
17524141	Med17	1.047880015	0.001022904
17295463	Ptcd2	0.874448772	0.001022904
17213880	Rpe	0.821165645	0.001022904
17216458	Serpinb2	1.785134333	0.001022904
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17304906	Wdfy4	-1.074795816	0.001022904
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17484104		0.917807115	0.001022904
17438903	Afp	-1.960821816	0.001025153
17281084	Egln3	1.397090833	0.001025153
17399754	Ilf2	0.73617435	0.001025153
17221686	Kcnq5	1.303719324	0.001025153
17223390	Orc2	0.798642093	0.001025153
17360406	Pdcd4	0.879812023	0.001025153
17359769	Sema4g	1.377198364	0.001025153
17415016	Snpc3	0.878273698	0.001025153
17537648	Cenpi	1.496299395	0.001026704
17307203	Ska3	1.306435141	0.001026704
17312511	Adck5	1.191693197	0.001027579
17492619	Blm	0.995579585	0.001027579
17406807	Rab25	1.501173629	0.00102946
17399141	2810403A07Rik	0.798892674	0.001030372
17493368	Zbtb14	0.911518541	0.001030463
17456247	Cftr	1.487679354	0.001031052
17525418	Hyls1	1.395902566	0.00103292
17400966	Gdap2	1.122271488	0.001034344
17248512	Nudcd2	0.850424463	0.001034344
17328187	Rsl1d1	0.729320583	0.001040522
17472023	Mansc1	0.761969324	0.001043274
17415778	Alg6	1.685737645	0.001046434
17440658	Crybb1	1.196222773	0.001047138
17439045	Thap6	1.060975338	0.001047138
17314387	Cntn1	1.395192949	0.001051079
17535233	Fmr1nb	1.825818217	0.001051079
17277411	Mfsd7c	1.534161426	0.001051079
17333505	Gm3435	0.843888237	0.001055161
17542829	Rab39b	1.104219287	0.001058491
17530227	Slco2a1	-3.518968044	0.001062916
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17453533		1.000936324	0.001063458
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17234786	Icosl	0.920013712	0.00106719
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17312223	BC025446	1.747240903	0.001069676
17226049	Kdsr	0.858003123	0.001070819
17252013	Arrb2	-1.002108233	0.001071394
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17360877	Fam45a	0.95329056	0.001078208
17302550	Ndfip2	0.742874921	0.001080766
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17482884	Lcmt1	0.872139842	0.001088818
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17239466		1.140058327	0.001105511
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17498467	Ano1	1.126879882	0.001111797
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17548773	Map4	0.871806094	0.001112664
17306793	Tinf2	1.0016604	0.001112664
17544845	C330013F16Rik	0.906632095	0.001114245
17547744	Cks2	0.938015367	0.001114245
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17270761	Ccdc47	0.872071224	0.001120333
17224211	Tns1	-1.054430284	0.001121282
17381376	Cdc123	0.824293606	0.001123671
17514760	Mre11a	0.889486126	0.001124779
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17239539	Hebp2	0.951174022	0.001125023
17352347	Tmx3	0.764144043	0.001126211
17551129		-3.065819478	0.001127869
17254537	Ppm1d	1.409171692	0.0011286
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17254194	AI662270	1.602888282	0.001134056

17489738	Gpatch1	0.810945061	0.001134056
17313858	Mirlet7c-2	-0.877992229	0.001134056
17407905	Prpf3	1.106242626	0.001134056
17367594	Yme1l1	0.684765186	0.001134056
17206075		-1.080508289	0.001134056
17211294	Gdap1	1.317849963	0.001137696
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17240342	Rpf2	1.016898302	0.001140933
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17406091	Etfdh	0.784075967	0.001146838
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17252668	Trpv3	1.38366844	0.001146931
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17535600	Dusp9	1.518645084	0.001146984
17280292	Gm9312	1.420675984	0.001146984
17233357	Hsf2	1.515807909	0.001146984
17437765	Klb	1.845716414	0.001146984
17366742	mmu-mir-466b-1	2.25085642	0.001146984
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17280495		1.379935007	0.001146984
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17304514	Gnl3	1.638011242	0.001148228
17474454	Dmpk	-1.217706377	0.001154105
17286009	Tdp2	0.721864992	0.001154776
17527694	Loxl1	-1.371821781	0.0011691
17427994	Scp2	0.934208463	0.0011691
17395844	Stmn3	1.973531245	0.0011691
17238858		-1.039260654	0.0011691
17404109	Impa1	0.7852617	0.001169603
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17533498	Kdm6a	0.955295566	0.001171419
17376493	Pank2	0.802879103	0.001171419
17447310	Lrpap1	0.97929776	0.001171911
17397783	Eif2a	0.722715886	0.001173957
17275303	Gm1818	0.884619733	0.001174428

17325671	Lsamp	1.235686279	0.001174428
17531650	Pth1r	1.263741781	0.001177766
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17366760	Mir669j	1.829237127	0.001180457
17389472	Scg5	1.152959788	0.001181239
17530503	Col6a6	-0.782010782	0.001185125
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17511318	Vps35	0.824976951	0.001193472
17354275	Tmed7	0.670395905	0.001196623
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17541528	Igsf1	1.083821842	0.001200767
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17354861	Fbxo38	0.829290673	0.001209415
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17438319		1.411173554	0.001217794
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17502295	Jak3	-0.975473973	0.001225863
17231366	Plekhg1	1.434622169	0.001225863
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17348079	Cul2	0.740125742	0.001229217
17289539	1700099I09Rik	-0.880191054	0.001229761
17434027	Plekhn1	0.834166729	0.001231183
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17373844	4930500J02Rik	1.270633864	0.001233077
17292011	Tfap2a	2.316385048	0.001233077
17371011	Dapl1	1.432828524	0.001233114
17247962	Pnpt1	0.987443325	0.001233195
17409594	Rnpc3	1.013973843	0.001233195
17551121		-3.116174398	0.001236614
17430930	Stx12	0.985548886	0.001238143
17337434	H2-M10.6	-0.957188181	0.00123835
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17232202	Stx7	0.812047893	0.001255754
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17267617	Gm15698	1.627445068	0.001283684
17324398	Snora81	1.883452405	0.001283684
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17390810	Gatm	-1.15344972	0.001284502
17384927	Gtdc1	0.667336175	0.001284502
17476247	Zfp568	1.149548518	0.001284502
17278345	Glrx5	0.997230941	0.001285646
17298805	Glud1	0.852767405	0.001286691
17385654	Itgb6	1.032693139	0.001286691
17335383	Mapk13	1.000857641	0.001286691
17440257	Pcgf3	0.907337283	0.001286691
17289289	Poc5	0.908551919	0.001286691
17515413	Pigyl	1.151417577	0.001288987
17282139	Pigh	0.930504319	0.001289243
17544631	Nxf7	2.003326711	0.001290974
17488179	Ltbp4	-1.119392765	0.001297224
17319366	Cbx7	1.028449139	0.001297233
17460587		0.92339608	0.001297233
17467664	Ptcd3	0.79953462	0.001298865
17457472	Tbxas1	-1.19910516	0.001304699
17413300	Rusc2	-0.813861022	0.001306515
17442082	Gpn3	1.045343949	0.001307838

17517924	Hcn4	-1.419015104	0.001307838
17537248	Apool	0.920142767	0.001310791
17440201	Pigg	0.88124648	0.001313972
17208033		1.496710836	0.001314443
17307774	Esco2	1.026560864	0.001323527
17338233	Mrps10	0.7524467	0.001323527
17349311	Wdr36	0.90634898	0.001323527
17304493	Gnl3	0.704646734	0.001330653
17399164	Rit1	0.899425837	0.001331288
17206481		1.32410726	0.001334214
17505197	Cirh1a	0.886875113	0.001335991
17355298	Dynap	2.69031185	0.001335991
17248800	Med7	0.78469778	0.001335991
17352196	Mir5112	-2.230180869	0.001335991
17493643	Mogat2	-0.799095253	0.001335991
17434973	Sema3c	1.617957262	0.001335991
17544385	Tspan6	1.013290739	0.001335991
17395702		1.302352413	0.001335991
17306419		-0.892632478	0.001335991
17219431	Gm10521	-1.197310094	0.001336618
17469705	Camk1	-1.059864683	0.001342992
17324916	Fytd1	0.820027247	0.001342992
17302054	Snora31	1.280101526	0.001349283
17293757	Hiatl1	1.038501528	0.001349609
17256273	Gm11940	1.675214166	0.00135285
17216727	Slc35f5	0.862744546	0.00135285
17252200	Kif1c	-0.816731805	0.001353256
17313751	Arhgap8	1.008873759	0.001353958
17442909	Gbas	0.916840658	0.001353958
17213295	Nop58	0.809361501	0.001353958
17233536	P4ha1	0.740839106	0.001355053
17341148	LOC106740	0.988729328	0.001356605
17265451	Derl2	0.954226181	0.001358456
17378848	Snhg11	1.143751017	0.001358456
17283941		2.150378215	0.001358456
17333222	Agpat4	1.058419491	0.001360953
17507171	Cd209a	-1.337485792	0.001360953
17409690	Rtca	1.440828321	0.001360953
17301489	Stmn4	1.30768559	0.001360953
17292689	Thoc3	0.920423219	0.001360953
17277766	Tshr	1.019633553	0.001360953
17308478		1.126735066	0.001360953
17445568	Dmtf1	0.756286902	0.001365656

17462092	Zfand4	0.858383536	0.001367925
17440136	Mtf2	0.814953488	0.001369678
17476119	Ppp1r14a	-1.114648552	0.001369678
17298139	Actr8	0.872355226	0.001374173
17525405	Ddx25	1.048625095	0.001374173
17214053	Xrcc5	0.828529551	0.00137578
17329243	Liph	1.407753594	0.001384386
17412813	Nfx1	0.81583774	0.001384847
17488470	Samd4b	-0.831053301	0.001396205
17231717	Fuca2	0.768542629	0.001398365
17401335	Slc16a1	1.285589691	0.001398365
17417290	Atpaf1	0.863000934	0.001403561
17330391	Poglut1	0.7943507	0.001403561
17493739	Pold3	1.000919212	0.001403561
17302251	Sugt1	0.723581239	0.001403561
17332122	Tmem50b	1.301793063	0.001403561
17429546	Zmpste24	0.880983835	0.001403561
17550390		1.119186366	0.001403561
17412645	Akirin2	0.657606416	0.001405369
17538354	Mir680-2	-0.740172478	0.001405369
17438788	Rufy3	1.176687848	0.001409854
17551093		-2.543975905	0.001421
17331720	Adamts5	-1.068770235	0.001421
17281428	Mis18bp1	0.934883827	0.001423959
17319037	Rac2	-1.456175163	0.001423959
17475215		-1.178701182	0.001423959
17396702	Zfp639	1.026200107	0.001424158
17450091	5430416N02Rik	0.828970857	0.001426279
17370843	Arl6ip6	0.870699733	0.001430088
17302238	Elf1	0.838584855	0.001432755
17241038	Anapc16	0.849077434	0.001435628
17267553	Gm11508	1.442573034	0.001435628
17312882	H1f0	0.671983069	0.001435628
17375911	Mrps5	0.855411353	0.001435628
17340285	Msh2	1.031657062	0.001435628
17210261		1.313217254	0.001435628
17210283		1.313217254	0.001435628
17539167	Map7d2	0.828512347	0.001446309
17276732	Eif2s1	0.821645751	0.001450071
17441895	Naa25	0.827344445	0.001450071
17481260	Trim6	1.204923564	0.001450071
17324402		1.436453438	0.001450071
17403866	Ptger3	1.568425308	0.001450684

17248072		0.876293273	0.001451028
17220907	Irf6	1.377302879	0.001452139
17505913	Cenpn	1.390607299	0.001456597
17513603	Zcchc14	-1.010201964	0.00146277
17330486	Qtrtd1	0.904284972	0.001462889
17535171		0.902939729	0.001464896
17423340	Tmem67	1.194540996	0.001471457
17514691	Mtmr2	0.752523456	0.00147343
17382186	Spopl	1.062632837	0.00147343
17460728	Txnrd3	0.840759024	0.00147343
17328153	Zc3h7a	0.730275242	0.00147343
17281497	Dnaaf2	0.698043385	0.001473936
17470031	Alox5	-1.115430141	0.00147443
17375308	Wdr76	1.367510386	0.001481854
17373857	Cstf3	1.016042426	0.001486895
17260744	E230015J15Rik	0.816537745	0.001488623
17295212	Polk	0.787123461	0.001493339
17504374		-2.659617369	0.001501696
17539898	Ccdc120	0.754910437	0.001503188
17448905	Chic2	0.781076038	0.001503188
17305167	Ghitm	0.686035685	0.001503188
17395300	Gm14402	2.05445632	0.001503188
17529383	Pgm3	1.531001595	0.001503188
17454360	Prkar1b	0.737389294	0.001503188
17325619	Tmem39a	0.81818821	0.001503188
17344309	Tnf	-0.965149073	0.001503188
17250325	Med9	0.832319376	0.001515321
17371374	Cers6	0.886355731	0.001516747
17419131	Col16a1	-0.896610707	0.001516747
17288716	Glrx	0.806598996	0.001516747
17303147	Gm3591	0.869734653	0.001516747
17416448	Hspb11	0.678013036	0.001516747
17240538	Lace1	1.271749981	0.001516747
17550556	mt-Tf	1.335261933	0.001516747
17445257	Rbm48	0.872448447	0.001516747
17407864	Tars2	0.958758945	0.001516747
17350203	Spink5	1.070272871	0.001518091
17541217	C1galt1c1	0.691650945	0.00152004
17253570	Spag5	1.211077682	0.001521209
17366542	Nudt5	0.755337651	0.001526614
17498884	A630009H07Rik	-1.120229993	0.001526832
17549250	Rfk	1.133840117	0.001526832
17549324	Rfk	1.133840117	0.001526832

17548315	C1qb	-1.946820545	0.001528376
17469952	Mbd4	1.12779338	0.001528376
17300279	Mmp14	-0.900372812	0.00153472
17480485	Lrrc32	-1.630108604	0.001539778
17274940	Atxn7l1	-0.891183112	0.001541184
17536818	Ogt	0.710826714	0.001541184
17288695	Pcsk1	-0.788612281	0.001545244
17527984	A730043L09Rik	-0.913110883	0.001556921
17391452		-0.86593586	0.001556921
17357226		0.853901331	0.001557941
17422959	Tmem68	1.096521809	0.001558851
17333493	9030025P20Rik	0.854352819	0.001559245
17219264	B4galt3	1.263199441	0.001562878
17523095	Exog	0.854632751	0.001562878
17274267	Nol10	0.971572475	0.001562878
17258867	Birc5	1.357568037	0.001562901
17391112	Gabpb1	0.779629706	0.001562901
17283930	LOC101056688	1.306850195	0.001565906
17283942		1.308278292	0.001570615
17540589	Klhl13	0.720673297	0.001571158
17463747	Gprc5a	0.700844421	0.001576321
17395703		0.980718451	0.001576321
17293870	Mterfd1	0.815726617	0.001579231
17549370	Nsg2	0.98364803	0.001579231
17549748	Nsg2	0.98364803	0.001579231
17470119	Ret	1.103780887	0.001579231
17358007	Rfk	0.959340073	0.001579231
17415469	Tek	2.300012255	0.001579504
17274875	Nampt	0.678417715	0.001580118
17509435	Cep44	0.831300044	0.001582027
17214257	Rqcd1	1.070238636	0.001582027
17436481	Fgfr3	1.329388436	0.001584675
17500301	Gpr124	-0.924904972	0.001584675
17360115	Taf5	0.893324241	0.001584675
17332893	Tmem181a	1.212924349	0.001584675
17266629	Utp6	0.925236277	0.001584675
17201013		1.953176485	0.001584839
17527032	Ddx10	1.107015952	0.001586714
17307117	Gjb2	1.473380144	0.001589009
17291355	Acot13	0.924861094	0.001592696
17279324	Inf2	-0.916695976	0.001592696
17545899	S100g	1.40159463	0.001592696
17501569	Nat2	0.900556329	0.001596337

17237284	Krr1	0.925447243	0.00159666
17359098	Cep55	1.08774713	0.001597561
17399776	S100a14	1.3731341	0.001597777
17392452	Crnk1	0.682353339	0.001598304
17248064	Mtif2	0.85370812	0.001608912
17538990	Rragb	1.541107905	0.001608912
17204523		1.447518539	0.001609473
17327909	Ppl	1.232305044	0.001616323
17325849	BC027231	0.814486201	0.001617575
17279161		0.922156142	0.001618189
17491600		1.291327758	0.001618189
17528850	Tmod3	0.917285427	0.00161945
17324378	Eif4a2	0.725163887	0.00161989
17218261	Ncf2	-1.194467405	0.00161989
17358015		1.021029014	0.001622473
17311199	Dcaf13	0.667851499	0.001631685
17265111	Elp5	0.961315727	0.001636146
17472233		-1.672517525	0.001636146
17278647	Dlk1	-1.826036641	0.001642254
17517592	Cspg4	-0.78853679	0.001643854
17541846	Mmgt1	0.983349231	0.001643854
17357551		-0.668722341	0.001643854
17315669	AW549877	1.167758238	0.001652949
17390879	Fbn1	-1.321257726	0.001655606
17295757	Gm5593	0.954987092	0.001665353
17313767	Nup50	0.824950457	0.001665353
17278561	Eml1	-0.741679487	0.00166586
17236638	Fgd6	0.921217197	0.00166586
17426434	Dbc1	1.433782309	0.001667997
17551089		-2.76701231	0.001667997
17455111	Cyp3a16	-0.977212018	0.001670884
17407738	Mllt11	1.206770104	0.001673146
17205017		0.836513448	0.001675984
17295422	Tnpo1	0.715182327	0.001676118
17514806	Taf1d	0.738009291	0.00168364
17457381	Ttc26	1.238493508	0.00168364
17545595	Sat1	0.939724054	0.001688851
17279155		0.729367887	0.001699785
17442165	Rnf34	0.666483606	0.001699814
17306950	Mcpt-ps1	1.000632903	0.001700045
17451431	Tmem119	-0.694260632	0.001700068
17514871	Chordc1	0.898029096	0.001702049
17254347	Ddx52	0.782420042	0.001705062

17263416	Zfp867	1.449485434	0.001705232
17445507	Dbf4	1.2004976	0.001705485
17288970	Ccnh	0.686025087	0.001706557
17537677	Drp2	0.771796947	0.001706557
17249176	Hnrnp1	0.810198293	0.001706557
17532113	Oxsr1	1.004897865	0.001708521
17397297	3110057O12Rik	1.090813103	0.001712222
17291053	Hist1h4i	1.942424618	0.001715862
17281609	L2hgdh	0.730728943	0.001715862
17236604	Ntn4	0.834527652	0.001715862
17248075		1.383755192	0.001716322
17244378	Metap2	0.670228187	0.00172017
17398399	4930579G24Rik	1.192301058	0.001722821
17478864	Mtmr10	1.066045767	0.001722821
17204377		-1.137470252	0.001722821
17296896	Gm3173	1.069273607	0.001725246
17308361	Bmp1	-0.940201229	0.001733276
17537839	Gprasp2	0.760127348	0.001733276
17548283	H3f3b	0.681872192	0.001733276
17417422	Ipp	1.134677371	0.001733276
17263063	2010001A14Rik	-1.239087388	0.00173498
17281181	2700097O09Rik	1.323321013	0.00173498
17240365	Amd1	0.7513979	0.00173498
17449629		0.81414363	0.001735794
17261009	B3gnt2	0.759230578	0.001739917
17356369	Cd248	-1.142605207	0.001739917
17367908		-0.845941065	0.001739917
17449518		0.732853233	0.001739917
17212874	E330011M16Rik	0.73664772	0.001751418
17241396	Vps26a	0.698918732	0.001754161
17285964	Fam65b	0.858511811	0.001757598
17244102	Scyl2	0.705037908	0.001757598
17424057	Smu1	0.633448152	0.001757598
17325651	Igsf11	1.594247271	0.00175851
17361855	Pola2	0.88681823	0.001758868
17455752	Ccdc132	0.889712795	0.001759723
17376167	Sirpa	-1.056427912	0.001759723
17408646		-0.881376761	0.001759723
17248592	Slu7	0.762641787	0.001762437
17464404	Mrps35	0.992888868	0.001762625
17437390	Pi4k2b	0.816109131	0.001762625
17459014	Abcg2	1.098247679	0.00176564
17334302	2610019E17Rik	-0.933655243	0.001766376

17393501	Rbm39	0.673281665	0.001776996
17294302	Trip13	1.353086694	0.001776996
17495262	Rras2	0.72849808	0.001778403
17510701	Rbmxl1	0.830702105	0.001779215
17294135	Srd5a1	1.220844068	0.001779215
17260167	Ccdc117	0.687854797	0.001781008
17546016	Ofd1	0.78369106	0.001782846
17298488	Oxnad1	1.411713949	0.001782846
17299965	Trav16d-dv11	-1.273780726	0.001783416
17276934	Ttc9	1.159953507	0.001787343
17450645	Glmn	0.671749057	0.001791818
17424621	Sit1	-0.816672526	0.001791818
17328897	Dgcr8	0.817352021	0.001805541
17506249	Gse1	-0.886770946	0.001805541
17449073	Noa1	0.912650323	0.001805541
17480813	Stard10	0.887785658	0.001809528
17503431	Orc6	0.847583171	0.001809939
17506697	Rhou	1.032239324	0.001810204
17338416	Trem2	-1.302678124	0.00181771
17288294	Zfp759	1.66965272	0.00181803
17539658	Arhgap6	1.157111724	0.001821775
17205747		1.343070184	0.001821775
17330705		-1.234483212	0.001821775
17429586	Gm8359	-0.91118616	0.001826032
17448166		-1.814489242	0.001826046
17465037	Gm20186	1.364566052	0.00182928
17500922	Pdlim3	-0.959270191	0.001834187
17241637	Nrbf2	0.852904205	0.001834575
17230432	Psen2	-0.650250239	0.001834575
17358051	Trpm6	1.314389419	0.001834575
17316415	Stk3	0.698439034	0.001837367
17524698	Cdkn2d	0.720311694	0.001838627
17421392	Gm13235	1.038202258	0.001838627
17476860		-1.033977143	0.001838627
17532593	mt-Tf	1.333414681	0.001839213
17300328	1700123O20Rik	0.84561241	0.00183952
17411319	Rabggtb	1.753892137	0.001844642
17499560	Agpat5	0.673038262	0.001846815
17236787	Btg1	0.841695679	0.001849397
17425533	Epb4.1l4b	0.984535833	0.001851446
17315514	Hoxc8	-1.230552583	0.001857946
17290398	Gtpbp4	0.806400436	0.001860389
17278763		1.156632498	0.001860389

17420270	Usp48	0.758216656	0.00186204
17460465	Asprv1	1.895080746	0.001862096
17469030	Chchd4	0.773731101	0.001862096
17248476	Pank3	0.843306865	0.001862096
17223283	Satb2	1.236186362	0.001862096
17323065		1.604331874	0.001862096
17283937		1.230561921	0.001868164
17278876	Mir453	1.326185425	0.001869451
17458573	Snx10	0.890245165	0.001869451
17404976	Mfsd8	1.264649565	0.001873011
17551131		-2.848395696	0.001873011
17305015	Fam35a	1.066057217	0.001873759
17506917	Kcnk1	1.157598786	0.001878534
17376993	Pcsk2	0.893263239	0.001878534
17381657	Rbm17	0.669301175	0.001878534
17330602	Gtpbp8	0.867725073	0.001887842
17472927	Ergic2	0.930197293	0.001890608
17443742	Zscan21	0.989956906	0.001890608
17530298		1.509589238	0.001892159
17225693	Mterfd2	0.724701272	0.001898088
17392572	Cd93	-1.847318213	0.001904841
17296688	Gm10413	1.114014107	0.001904841
17296631	Gm3667	1.114014107	0.001904841
17203099		1.891073221	0.001912248
17536383	F630028O10Rik	-0.770821914	0.001912337
17230780	lars2	0.879373492	0.001912337
17300195	Traj28	-1.554093073	0.001912337
17295308	Arhgef28	0.781700722	0.001918799
17499353	Cdc16	0.695912264	0.001918799
17440387	Chfr	0.790632517	0.001918799
17396498	Rpl22l1	-0.849691561	0.001918799
17205883		-1.359491302	0.001918799
17231574	Ppil4	0.75929605	0.001921849
17530000	Pik3cb	0.89205327	0.001921909
17355862	Timm21	0.931656119	0.001923409
17254089	Zfp830	0.913213339	0.001923652
17422885	9430015G10Rik	1.162400539	0.00192382
17278694	Mir540	-1.441219224	0.00192382
17247823	Pus10	1.037986075	0.001926018
17238667	Olfr787	-1.306295069	0.001926254
17230087	Ifi203	-0.757403038	0.001930379
17216792	Ccnt2	0.650952723	0.001933864
17345335	Polr1c	0.949774627	0.001937477

17265973	Gm12336	-0.861474466	0.001939666
17527565	Csk	-0.740026289	0.001940809
17526923	Hspb2	0.843097594	0.001940809
17535319	Mtmt1	0.91347197	0.001940809
17408648	Olfml3	-0.678725281	0.001940809
17326604	Robo1	1.174279972	0.001940809
17299288	Samd4	-0.82030996	0.001940809
17548858	Xlr4b	1.648324443	0.001940809
17245511	Xpot	0.864568591	0.001940809
17404474	Yae1d1	0.783655857	0.001940809
17524944	Zfp599	1.080904114	0.001940809
17516613		0.987456068	0.001940809
17201103		2.044474648	0.001940809
17205009		1.060822375	0.001940809
17550707		-2.499653855	0.001940809
17279749	1110002L01Rik	0.918663953	0.001941285
17452897	Ncor2	-0.938714235	0.001941285
17461499	Thumpd3	0.770291795	0.001943298
17446836	Mpv17	0.910625688	0.001945027
17349552	Snhg4	-1.117124305	0.001945027
17276983	n-R5s62	-1.864955901	0.001947046
17401500	Dram2	0.868623487	0.001950501
17551069		-2.627586472	0.001950706
17462872	C1ra	-1.144107667	0.001951837
17550691		-2.395018058	0.001953937
17210795		-1.475081225	0.00196216
17239435	Gpr126	0.96867431	0.001963568
17447803	Fbxl5	0.748674567	0.001966972
17279160		0.98239179	0.001966972
17266611	4930542H20Rik	-0.720027089	0.001968902
17435702	Dnajb6	0.680609033	0.001969824
17231891	Map3k5	0.910499763	0.001969824
17255663	Copz2	-0.846712195	0.001976177
17269809	Ezh1	1.286241061	0.001976177
17213645	Fastkd2	0.918587415	0.001976177
17310530	Cdh10	1.505302882	0.00197972
17459157	Smarcad1	0.866678847	0.00197972
17538206	Atg4a	1.217101732	0.002002613
17342581	Decr2	0.774332226	0.002004685
17412237	Mms22l	0.957103653	0.002004685
17252827	Tsr1	0.787565877	0.002004685
17280760	Bzw2	1.184004046	0.002005623
17290238	Calml3	1.172209612	0.002008855

17237547	Cpm	1.489507393	0.002008855
17432988	Tardbp	1.128270373	0.002008855
17277816	Zc3h14	0.795988867	0.002008855
17276254		1.081313678	0.002017245
17538817		-0.931468322	0.002017245
17483385	Phkg2	0.807275312	0.002019458
17289695	Smim15	0.846343778	0.00202149
17372705	Tnks1bp1	-0.920442606	0.002024535
17218813	Mettl18	0.810898954	0.002027149
17396593	Sec62	0.658359141	0.002029475
17366876		1.891713312	0.002029475
17249328	Agxt2l2	0.748025138	0.002036985
17548671	Gm19274	-0.924176064	0.002036985
17276323	Gm8075	-0.773237128	0.002036985
17396614	Prkci	0.851984963	0.002036985
17467753	Mat2a	0.949737363	0.002041514
17301428	Pbk	0.78733349	0.00204555
17413528	Melk	1.438105534	0.00204714
17411815	Fsbp	0.763074284	0.002047153
17293695	Aaed1	0.839381601	0.002049291
17210305		-1.448010069	0.002054875
17518780	Car12	1.236513516	0.002056947
17428645	Tmem69	0.746410398	0.002056947
17449633		1.410178159	0.002056947
17237412	Tspan8	1.448160795	0.002057558
17479899	Mesdc2	0.806974905	0.002060691
17538832		-1.397561537	0.002060691
17505782	Terf2ip	0.881600727	0.002064205
17295745	Cenph	1.051782024	0.002065141
17303504	Cadps	1.078109561	0.002069068
17300929		0.991383074	0.002069068
17344909	Olfr761	-0.972238043	0.002069678
17396710	Mfn1	0.845347075	0.002071197
17360950	Ppp6r3	0.719203399	0.002092513
17428116	Btf3l4	0.657936339	0.00209256
17338670	Fsd1	1.04770659	0.00209256
17464580	Bet1	0.824910529	0.002099427
17426166	Cdc26	0.856569961	0.002100467
17230055	Gm16340	-0.75777904	0.002103807
17539084	n-R5s16	-2.422728284	0.002106158
17388435	Tspan18	-1.355608588	0.002106158
17530137	Slc35g2	1.382251393	0.002109206
17443901	Fam20c	-0.873103303	0.00211267

17432173	Clcnkb	-0.651962573	0.002118187
17262478	Hnrnpab	0.704844002	0.002118187
17499922	Mrps31	0.74884529	0.002118187
17412636		-1.14635838	0.002118187
17467015	Nod1	-0.987280284	0.002119815
17246284	Suox	0.911620156	0.002121453
17467456		-0.765664154	0.002123753
17306775	Mdp1	0.781871914	0.002128415
17523474	Zkscan7	1.645166385	0.002128415
17447365	Htra3	-0.749463222	0.002129678
17493869	P2ry6	-1.181683882	0.002130729
17467115	Kbtbd2	0.788288897	0.002135442
17296476	Mrps30	0.967929401	0.002135442
17428066	Prpf38a	0.626654168	0.002138231
17246967	Xbp1	0.70368331	0.002144269
17523695	Aasdhpt	0.891713431	0.002153088
17421444	Gm13247	0.671999642	0.002156533
17321951	Krt6a	2.490576607	0.002160732
17203565		-1.041804143	0.002160732
17548188	Ythdf1	1.03450619	0.002160821
17324274	Senp2	0.706362563	0.002164927
17424119	Aqp3	1.212489112	0.002165589
17495302		1.111344061	0.002165589
17366726		2.024673563	0.002170869
17214162	Gpbar1	-1.133973114	0.002180423
17302138		1.148569638	0.002182979
17476595	G630030J09Rik	-0.745405817	0.002183901
17300638	Gmpr2	1.309405329	0.002186882
17394582	Prex1	-0.7730556	0.002186882
17241030		-0.743175498	0.002187415
17338403	B430306N03Rik	-1.220794927	0.00219178
17445735	Gnai1	1.010258657	0.00219178
17260579	Hus1	1.390578685	0.00219178
17503825	Mmp2	-0.99099251	0.00219178
17423823	Orc3	0.648368852	0.00219178
17244395	Vezt	0.773240488	0.00219178
17500626	Tusc3	0.635730854	0.002199638
17550378		-1.011770742	0.002199638
17444640	Cpsf4	0.846267972	0.002199855
17360355	Smc3	0.793740728	0.002199855
17476535	Dmkn	1.563858803	0.002203491
17258653	Mettl23	0.683796809	0.002203491
17418934	Tmem54	0.909376775	0.002203491

17369580	Lamc3	-0.866517454	0.002204731
17393841	9430008C03Rik	-0.979602879	0.002204789
17345977	Sgol1	0.783765983	0.002204789
17538834		-1.395856554	0.002204789
17420911	Atp13a2	-0.921154815	0.002206509
17373110	Kbtbd4	1.070590719	0.002206509
17222149	Neurl3	-1.003216488	0.002206599
17203215		1.809964257	0.002210429
17299750	Tox4	0.966069309	0.002213974
17329640	Atp13a3	0.826581639	0.002214986
17465671	Chchd3	0.763241268	0.002214986
17484103		1.109518458	0.002226124
17274401	6030426L16Rik	1.034653609	0.002231853
17405099	Elf2	0.995306712	0.002231881
17497246	Adam12	-1.290303965	0.00223356
17370691	Lypd6b	0.988310072	0.002236608
17347252	Fam98a	1.146496896	0.002237768
17230879	Kctd3	0.873343104	0.00223825
17435771	Ept1	0.926938444	0.002249051
17384322	Psm5	1.050435345	0.002249051
17296248	Skiv2l2	0.896967934	0.002249051
17328978	Cdc45	0.946819161	0.002256575
17461177	Ppp4r2	0.642062254	0.002257091
17221071	Sox17	1.408039818	0.002257091
17523494	Kif15	0.872521976	0.002258949
17327236	Clic6	1.659750898	0.002270021
17272780	BC100451	-0.761256543	0.002270863
17527934	Kif23	1.052784614	0.002270863
17340397	Nanp	1.516410734	0.002270863
17331479		-0.727525707	0.002270863
17208249		1.159247127	0.002270863
17320322	Mapk11	0.900850184	0.002276877
17236132	Pwp1	0.62747644	0.00228388
17362696	Tmem216	0.791534411	0.002284861
17428659	Nasp	1.013648475	0.002285782
17388041	Ptprj	-0.771385025	0.00228642
17462149	Cxcl12	-0.990314793	0.00228773
17375641	Dut	0.983890129	0.002296208
17349174	Polr2d	1.090486185	0.002308102
17278880	Mir496	1.029295737	0.002311715
17499723	Gm21002	-0.973143118	0.002322351
17550368	Airn	0.746789403	0.002322417
17353462	Brd8	0.922620962	0.002322417

17333966	Zfp760	1.065587617	0.002322417
17251303	Pik3r5	-1.112059295	0.002323612
17216087	Ing5	1.079103037	0.002334161
17236739	Ube2n	0.863150912	0.002336722
17237811	Lrig3	0.805273613	0.002337217
17354428		-0.998973003	0.002337217
17547783	Gm7664	1.224158458	0.002343676
17405817		-1.019307607	0.002343676
17268955	Tns4	1.10024401	0.002352185
17409075	Csf1	-0.855452397	0.002355573
17496651	Sephs2	1.26865803	0.002358828
17366872		1.016780054	0.002359009
17357552		-0.696443566	0.00236143
17292541	9430083A17Rik	0.881542169	0.002362309
17366336		-1.309438854	0.002366283
17259438	Gm11768	-0.759358263	0.002366561
17507262	Timm44	0.796079086	0.002366561
17354969	Txn1	0.577051452	0.002366561
17282570	Ltbp2	-1.701951969	0.002370404
17221792	Fam135a	0.807407757	0.002371991
17249965	Mrpl22	0.807258426	0.002375283
17369925	Eng	-1.378534309	0.00237646
17452957	Scarb1	-0.84240958	0.002382014
17540323	n-R5s3	-1.679680073	0.002392607
17401749	Wdr47	1.094708677	0.002392877
17507333	Arglu1	0.810098715	0.002399958
17333050	Fgfr1op	0.689856161	0.002407291
17452209	Mapkapk5	0.667004932	0.002407291
17291374	Mrs2	0.731912205	0.002407291
17212518	Wdr75	0.791332074	0.002407291
17311689	Wdyhv1	1.158397403	0.002407291
17326188	G730013B05Rik	0.941921455	0.002418757
17536339	Zxdb	1.323161402	0.002418757
17268103	Col1a1	-0.936133395	0.002419833
17333946	Zfp948	0.670171859	0.002423346
17530909	Cyb561d2	0.694009505	0.002423772
17495308		1.353460567	0.002423772
17498695	Pet100	0.737661154	0.002426594
17449631		1.271355857	0.002426594
17324684		-0.93887565	0.002427336
17540736	Gm14527	-0.73993048	0.002433809
17221520	Crisp4	-0.832207849	0.002435611
17260089	Ewsr1	0.783976446	0.002435611

17532923	Wdr45	0.991513514	0.002435611
17333076		-1.243657526	0.00243794
17531238	Arih2	0.742308033	0.002443882
17315519	Hoxc6	-0.928371919	0.002443882
17388599	Ttc17	1.058689227	0.002443882
17305211	Tspan14	1.016611381	0.002453565
17308734	Gtf2f2	0.89175167	0.002461659
17466900	5730457N03Rik	-0.694772584	0.002466184
17374827	1700020I14Rik	0.745484458	0.002467776
17310550	Cdh12	1.635567242	0.002467776
17314729	Dnajc22	1.11979739	0.002467776
17529496	Snx14	0.625494903	0.002467776
17285223		-0.948762185	0.002468872
17340629	Mir692-1	-0.829796983	0.002474744
17521143	Wdr82	0.781587772	0.002474744
17480030	Rab38	1.682820287	0.002476197
17282074	Rab15	1.291722124	0.002483247
17265062	2810408A11Rik	0.899660098	0.002487183
17275001	Ahr	-1.16250642	0.002487572
17355524	8030462N17Rik	0.990430785	0.002491062
17320079	Wnt7b	1.136450142	0.002491062
17283945		1.016094799	0.002491062
17283946		1.016094799	0.002491062
17446587	Lmbr1	0.915469905	0.002492014
17547515	Gm19894	-0.697928147	0.002505854
17421187	Pramef8	0.932964588	0.002505854
17348435	Cables1	-0.958910745	0.002515046
17300893	Ift88	0.878223841	0.002515046
17381225	Suv39h2	1.473341837	0.002515046
17249853	Gm12236	-0.841820544	0.002516444
17408315	Hsd3b5	-0.79821996	0.002516444
17484789	Rassf7	0.662068303	0.002516444
17285819	Hist1h2af	-0.838544125	0.002519867
17489384	Lsr	1.207234846	0.002519867
17308525	Fndc3a	0.912626327	0.002520292
17307969	Cdca2	0.886154787	0.002521484
17374421	Mir1951	-0.829926706	0.002521484
17500289	Prosc	1.048454796	0.002521484
17315389		0.871167566	0.002535288
17275778	Gm527	1.185200536	0.002535784
17539626	Trappc2	0.692013397	0.002540887
17310827	Fam173b	1.022779841	0.00254229
17388026	Olf1270	-0.663992035	0.002550369

17411503	Tgs1	0.990549293	0.002553519
17412539	Rragd	1.036596153	0.002558205
17276255		0.721574118	0.002562646
17318665	Foxh1	-1.283636259	0.002567516
17501688	Zfp964	1.131037212	0.002567516
17284039	Cinp	0.865408272	0.002567714
17291222	Hist1h3c	1.362345109	0.002567714
17364954	Cox15	1.167193837	0.002567885
17547749	Gm6478	0.966637824	0.002570841
17463718	Cdkn1b	0.844925349	0.002575402
17504112	Arl2bp	0.748647886	0.002575761
17543850	Mir672	-0.694517605	0.002575761
17367071	Stam	0.851767895	0.002575761
17255558	Hoxb9	-0.657526974	0.002578318
17548354	Lph	0.923191339	0.002578849
17359020	Kif11	0.798907096	0.002579747
17298041	Arhgef3	0.884902411	0.002580698
17240379	Cdc40	1.057440641	0.002580698
17511073	Mir181d	-1.195114587	0.002580698
17384717	Nr6a1	0.825278757	0.002580698
17281575	Mettl21d	0.799560081	0.002584203
17226572	Dars	0.60092465	0.00258726
17226062	Vps4b	0.638606439	0.00258726
17480205	Rab30	0.848692804	0.00258784
17265727	Emc6	0.671083926	0.002589011
17202489		-1.188229715	0.00259096
17501989	Lrrc25	-1.021484506	0.002591886
17430861	Sesn2	1.00287027	0.002592419
17407496	Crct1	1.172120141	0.002593666
17520171	Bcl2a1b	-1.518923649	0.002605574
17281108	Eapp	0.812180816	0.002606448
17517323	Npat	0.733615279	0.002608702
17332386	Psmg1	0.937893592	0.002611021
17366880	Mir466b-3	1.926236395	0.002612383
17267329	Vmp1	0.720466969	0.002612383
17280483	Acp1	0.624450558	0.002624333
17224738	Ap1s3	0.960699342	0.002627849
17288309	Zfp455	1.41174379	0.002652342
17372377	Ppp1r1c	1.076832549	0.002655012
17207613		1.596940722	0.002655012
17494664	GM8989	-1.063992217	0.002655831
17378942	Ppp1r16b	1.486512144	0.002655831
17332583	Ripk4	0.759997264	0.002655831

17491178	Saal1	1.006895188	0.002655831
17330947	Zpld1	0.934995488	0.002655831
17278842	Mir300	1.972958771	0.002656908
17460506	Gfpt1	0.950032402	0.002657364
17517390	ldh3a	0.941063088	0.002657364
17325489	Rabl3	1.220536956	0.002657364
17522235	Cdc25a	1.158258555	0.002661031
17363320	Gcnt1	0.928125285	0.002661031
17256618	Vps25	0.805692863	0.002661031
17202595		-1.104467334	0.002661031
17457807	Ephb6	-0.693860333	0.002661465
17344132	Hspa1a	0.978359526	0.002663452
17454995	Tmem130	1.018966772	0.002663452
17327594	Zfp597	0.900718455	0.002664112
17512833	Ist1	0.613873531	0.00266796
17324249	1300002E11Rik	0.746469261	0.002675415
17275042	Sostdc1	1.427671017	0.002676051
17411732	2610301B20Rik	0.70240206	0.002679368
17275706	Pnn	0.868068561	0.002679368
17343371	Akap8	1.000423963	0.002688216
17203211		1.719453211	0.002688216
17508353	Tacc1	-0.820649075	0.002689972
17468633	Aplf	0.796256913	0.002691748
17276893	Srsf5	0.631449667	0.002696766
17466101	Slc37a3	1.10454808	0.002700023
17233669	Pcbd1	0.975836003	0.002703116
17366898		1.779513441	0.002703116
17355441		-0.80421838	0.002713978
17480358	Ints4	0.724256918	0.002714076
17420951	Mfap2	-1.293251217	0.002715299
17257663	Psmc12	0.629066132	0.002715299
17216942	AA986860	0.994246743	0.002722543
17280888	Lrrn3	2.069978257	0.002722543
17437087	Tmem128	0.80649279	0.002722543
17471201	Rad51ap1	0.757432024	0.002724431
17418279	Sf3a3	0.735747487	0.002726574
17525060	Tbx20	-1.16709443	0.002728992
17359825	Tlx1	-0.697117239	0.002728992
17416481	Tmem48	0.927089902	0.002728992
17478459	Slc17a6	1.73563381	0.00273278
17391247	Ciao1	0.608004162	0.002742919
17470597	Slc2a3	1.293013994	0.002742919
17276302	Prkch	1.111529535	0.002743307

17240239	Fam229b	0.812984538	0.002744776
17243020		-0.934145038	0.002744902
17455507	Hsph1	0.990019912	0.002746954
17300075	Trav13-4-dv7	-1.886365222	0.002746954
17546212	G530011O06Rik	-1.377460436	0.002755556
17239077	Ginm1	0.688616948	0.002755559
17293650	Slc35d2	1.181608029	0.002755559
17303677	Gm3173	0.909924984	0.002758842
17257835	Amz2	0.75926008	0.002765462
17412272	Ndufaf4	0.697192736	0.002769931
17287726	Caml	0.89675597	0.002777601
17290565	Mtr	1.013231315	0.002777601
17413553	Zcchc7	0.698354246	0.002777601
17252404		0.745051459	0.002777601
17257056		0.76905652	0.002777601
17412857		-0.729441583	0.002777601
17400449	Anp32e	0.905760737	0.00277874
17497649	Olfr532	-0.985196703	0.00277874
17484107		0.738904585	0.002778885
17420091	Hnrnpr	0.886278406	0.002800398
17422449	Pank4	0.706067714	0.002800398
17508336	Plekha2	-0.815056239	0.002803544
17442071	Vps29	0.591660492	0.002803544
17382737	Fcna	-0.751103812	0.002804261
17311179	Fzd6	0.707944911	0.002804261
17530243	Trf	-1.12497345	0.002804261
17319545	Polr3h	0.900122143	0.002805395
17362953	Ms4a7	-2.03613809	0.002809116
17502342	Zfp617	0.714090039	0.002809116
17333323	Tcp1	0.625355841	0.002811754
17288641	Ccdc127	1.068627457	0.002815358
17275811	Prpf39	0.972037021	0.002815358
17407341	Chtop	0.756528122	0.002816391
17397632	Alg5	0.849941881	0.002819979
17547732	Exoc2	1.694588486	0.002819979
17292775	Hk3	-1.300520452	0.002819979
17262589		1.761367826	0.002822988
17410043	Mettl14	0.758377653	0.002825462
17239227	Rab32	-0.838184299	0.002825462
17306289	Mettl3	0.772664182	0.002827121
17401987	Dph5	0.854684768	0.002830765
17523416	Abhd5	1.042507346	0.002835115
17234264	Gnaz	0.987393708	0.002840108

17351840		0.917208645	0.002840108
17431612	C1qc	-1.791141223	0.002856362
17304273	Ccdc66	0.719932523	0.002856362
17228906	Dnm3	0.690494561	0.002868422
17440086	Rpap2	0.676815505	0.002868619
17218149	Ivns1abp	0.936946127	0.002870172
17550452	Snhg3	0.820654241	0.002870172
17235954	A230046K03Rik	0.700075639	0.002877398
17513446	Hsd1l	0.990855322	0.002889195
17274350	5730507C01Rik	0.57560937	0.002890126
17415231		-0.763373523	0.002890126
17206487		0.976091395	0.002890126
17208427		2.347279278	0.002890126
17314900	Cox14	0.92730656	0.002903415
17252403		0.721787533	0.002908893
17502583	Mcm5	1.416329956	0.002908997
17237026	Mir3059	-0.958129337	0.002909004
17372904	Olfr1183	-1.080949391	0.002909004
17405478	P2ry13	-1.26763002	0.002909004
17308472		1.372894686	0.002909004
17348451		0.817710909	0.002909004
17225785	Dtymk	0.784010813	0.002921276
17481725	Zfp143	0.649186805	0.002924713
17200103		1.911901729	0.002924713
17321148	Senp1	0.676967568	0.002925248
17440022	n-R5s173	-1.78080354	0.00292705
17206931		1.154661389	0.00292705
17410323	Gar1	0.952650854	0.002928441
17391376	Bub1	0.756632235	0.002930873
17259748	Drg1	0.674818504	0.002930873
17306577	Myh7	1.678220947	0.002930873
17393131	Snta1	-0.947329974	0.002932243
17500188	Lsm1	0.664946956	0.00293357
17511196	Gcdh	0.847536207	0.002935534
17450098	Lin54	0.937503614	0.002935534
17261494	Nprl3	0.568426367	0.002935789
17363980	Minpp1	0.976876358	0.002938186
17241534	Hnrnp3	0.805400083	0.002940083
17462796	Clec4d	-1.693792181	0.002952018
17366804		1.223101466	0.002952018
17366840		1.223101466	0.002952018
17205043		-0.736070394	0.002952018
17209233		-0.736070394	0.002952018

17547265		-0.884390567	0.002957096
17382822	Nacc2	-0.631662152	0.002966502
17520687	Cep70	1.061534188	0.002967737
17431181	Sh3bgrl3	-0.969968801	0.002977725
17457942	Zyx	-0.661301094	0.002977725
17534960	Fhl1	0.599142928	0.002982022
17445381	Gtpbp10	1.171350434	0.002989084
17512084		1.538341879	0.002989428
17357126	Snhg1	0.564645056	0.002996431
17331148	Cmss1	0.907319556	0.003001941
17296602	D830030K20Rik	1.031182302	0.003001941
17508161	Golga7	0.659312796	0.003001941
17513289	Maf	-1.208271958	0.003001941
17459151		-2.547014805	0.003003011
17469967	Plxnd1	-1.101909916	0.003009759
17468527		0.72539401	0.003009766
17237647	Tmbim4	0.745746	0.003010272
17385879	Cobll1	0.968421046	0.003010726
17376618	Chgb	1.206407429	0.003013371
17463298	Gm16303	-2.277488962	0.003013371
17304294	Gm2670	-0.875587454	0.003013371
17261840	Hmmr	0.904335707	0.003013371
17217596	Lmod1	-0.707371339	0.003013371
17323371	Mapk1	0.540928454	0.003013371
17455274	Mtif3	0.965148208	0.003013371
17366597	Usp6nl	0.688173614	0.003013371
17257060		0.671297273	0.003013371
17248083		1.159703439	0.003013371
17220059	Cdc42bpa	-0.986184764	0.003014862
17228563	Tor3a	0.644232772	0.003015474
17217216	Rbbp5	0.9251559	0.003016826
17534899	Ncrna00086	1.15187571	0.003018673
17378310		1.497732495	0.003018673
17360084	As3mt	0.96372674	0.003033756
17296943	Gm8281	1.317477224	0.003034262
17261622	Kcnip1	0.946232931	0.003035669
17203921		0.905604931	0.003038779
17493556	Acer3	0.806865322	0.00305093
17384787	Scai	1.053964916	0.003061621
17391317	Zfp661	0.692403092	0.003067081
17201625		-1.403322212	0.003067081
17227348	Nav1	-1.038440421	0.003068246
17494005	Rnf121	0.66511425	0.003075249

17525353	Tirap	0.953688737	0.003075249
17233331	Asf1a	0.835133156	0.003076637
17301757	Reep4	0.79736723	0.003086646
17452540	Morn3	-0.689980555	0.00308724
17419500	Ahdc1	-0.608636939	0.003088264
17226622	Cd55	0.935985502	0.003088264
17544160		-0.816860136	0.003088264
17205487		0.925161032	0.003088264
17365164		0.91119972	0.003088264
17409406	Stxbp3a	0.981641385	0.003092053
17281280	Mbip	0.628045759	0.003101635
17497131	Mettl10	0.949907846	0.003101635
17426956	Haus6	0.939314734	0.003102174
17270103		-0.911657486	0.003102174
17419773	Stmn1	0.714353626	0.003112674
17296849	Gm3760	1.014511691	0.00311537
17545381	Gnl3l	0.866483147	0.003132852
17339706	Ttc27	0.856235249	0.003134401
17407721	Gabpb2	0.828396368	0.003138575
17304757	Mettl6	0.67043974	0.003140706
17355962	Suv420h1	0.792848813	0.003140706
17323138	Abcc1	-0.601634216	0.003148703
17354299	Sema6a	1.093225503	0.003152385
17509274	Ing2	1.042696149	0.003153649
17521417	Tusc2	0.748543796	0.003154239
17466599	Rarres2	-0.773747037	0.003158087
17261650	Dock2	-1.251285908	0.003161394
17536278	AU015836	2.226136677	0.003162744
17527433	C230081A13Rik	-0.889552272	0.003162744
17390778	Duoxa1	0.958737128	0.003172113
17407505	Gm5278	-0.878058128	0.003176273
17547817	1700054O19Rik	-0.830027347	0.003176857
17323066		1.318290603	0.003177587
17435920	Emilin1	-0.974257085	0.00318169
17479575	Prc1	1.183437588	0.003182823
17266372	Snord42b	0.961070952	0.003182823
17425377		-0.842939218	0.003182823
17248726		-0.94539841	0.003187239
17399904	Ywhaz	0.647454883	0.003189234
17439029	Areg	1.140427601	0.003191762
17527139	Cul5	0.806031924	0.003191762
17324451	Lpp	-0.784933314	0.003191762
17376783	Lamp5	0.933861609	0.003196724

17440620	Pitpnb	0.654351057	0.003196724
17430192	Zmym1	1.11818021	0.003198111
17514033	Abcb10	1.195058792	0.00320605
17411751	Trp53inp1	0.731518476	0.00320605
17468521		-1.043176287	0.003216522
17367576	Acbd5	0.966900029	0.003217019
17303368	Gm10338	1.408901347	0.003217019
17395060	Gm14453	-0.730417449	0.003217019
17330306	Gtf2e1	0.979802379	0.003217019
17340244	Ttc7	-0.700494043	0.003217019
17549606		-1.007795553	0.003217019
17543104	Mir1906-1	1.361532709	0.003218195
17405047	2610316D01Rik	0.701230891	0.003229555
17422160	Rpl22	0.637277438	0.003229555
17391883	Cenpb	-0.701921255	0.003233683
17400121	Gm15234	1.203221518	0.003233683
17549150		0.90470518	0.003233683
17268977	Smarce1	0.825385246	0.003236464
17238636		-0.705005575	0.003243893
17201635		-1.163789623	0.003246409
17280810	Arl4a	0.715890263	0.00325668
17366816		1.152642096	0.00325668
17366852		1.152642096	0.00325668
17432865	Clcn6	0.898714809	0.003269839
17308470		0.750289953	0.00327204
17548638	Fam58b	1.035375189	0.003276471
17396035	Zbtb10	1.17515115	0.003276471
17200419		-1.344422306	0.003288071
17366718		1.298086678	0.00329007
17296731	Gm5796	0.627769072	0.003291077
17236018	Polr3b	0.663734979	0.003291077
17241849	Susd2	1.316143012	0.003291077
17411594	Ubxn2b	0.85651817	0.003291077
17480489		-1.69295328	0.003291077
17315187	9430023L20Rik	0.733786629	0.003291184
17538060	Mum1l1	1.234402392	0.003291184
17447128	Slbp	0.833750048	0.003291184
17349544	Snhg4	0.905558121	0.003291184
17290729	Ggps1	0.974260107	0.003294782
17501609	Ints10	0.712626402	0.003295106
17203089		0.798848382	0.003295587
17220533	Bpnt1	1.017982672	0.003297074
17475208		-0.871666239	0.003297074

17208133		-1.182441639	0.003297074
17537853	Bhlhb9	0.835117221	0.003301222
17492729	Sec11a	0.588046486	0.003314222
17285998	BC005537	-0.656289128	0.003317725
17372392	Dnajc10	0.579373294	0.003317725
17301283	Prss52	-0.642663114	0.003317725
17334241	Rnps1	0.661432068	0.003317725
17281826	Rtn1	0.756455024	0.003317725
17454216	Zfp113	0.740427561	0.003317725
17364367	Noc3l	0.916125153	0.003327788
17209795		-1.675573307	0.003327788
17517848	Stra6	1.849103595	0.003335702
17354290	Atg12	0.763387253	0.003339717
17324420	St6gal1	-1.099109857	0.003343153
17473580	Zfp667	1.25389303	0.003343153
17472210	Arhgdib	-0.794362772	0.0033468
17411392	Fpgt	0.935036098	0.0033468
17382169	Mastl	0.783550261	0.0033468
17551091		-4.043030468	0.0033468
17468690	Cnbp	0.547029604	0.003348424
17504321	Gins3	0.987672714	0.003348424
17433898	Mxra8	-1.119231503	0.003348424
17226155	Tsn	0.924249891	0.003348424
17348957	Zfp35	1.008307625	0.003348424
17202955		1.306475765	0.003348424
17338521	Plcl2	0.633843738	0.003349141
17437937	Slc30a9	0.629964684	0.00335566
17274369	Gm5784	0.665393821	0.003360562
17336114	Myo1f	-1.361011275	0.003365582
17326370	Tomm70a	0.587898884	0.003368413
17353747	Cd14	-1.052986327	0.003369028
17368646	Olfm1	1.225745018	0.003369031
17551103		-3.176691098	0.003370186
17551099		-2.345768751	0.003371181
17548646	Arl5a	-0.714428149	0.003371251
17436999	Crmp1	1.654151524	0.003383384
17370302	Gm13431	-0.797239142	0.003391486
17474974	Plaur	1.378240501	0.003391486
17224476	Abcb6	0.697300666	0.003396556
17269845	Becn1	0.807820126	0.003397766
17510836	Usp38	0.977469277	0.003397766
17449635		0.9032689	0.003397766
17484102		0.661781911	0.003397766

17223069	Stk17b	0.647622165	0.003404141
17315385	Pfdn5	0.610802291	0.003410975
17542213	Magea10	-0.647264562	0.003414233
17252113	Mink1	-0.600203426	0.003414233
17410410	Sgms2	0.815557597	0.003414233
17486152	Zfp772	0.82719163	0.003414233
17504727	Elmo3	0.771308464	0.003416289
17211090	Cspp1	0.864254846	0.003417731
17311104	Grhl2	0.804545098	0.003417731
17495301		0.70073011	0.003423295
17224977	Dner	1.427881691	0.003427038
17233888	Herc4	0.890589352	0.00344242
17241510	Snord98	1.296723742	0.00344242
17290855	Stard3nl	-0.682513511	0.00344242
17281946	Ppp2r5e	0.724771607	0.003446533
17425425	lkbkap	0.923942521	0.003459142
17234136	Slc16a9	0.811131727	0.003459802
17505050	1810019D21Rik	0.611246423	0.003461717
17352884	Cdh2	-0.752062641	0.003461717
17295718	Cdk7	0.607170667	0.003461717
17249409	9430098F02Rik	0.588177642	0.003470095
17238594	Cd63	0.645984141	0.003470095
17504399	Cdh5	1.968588207	0.003470095
17423915	Mob3b	1.232294567	0.003470095
17265976	Serpinf2	-0.839546036	0.003470095
17238856		-0.983656219	0.003470095
17338562	Rab5a	0.664646447	0.003470712
17225413	Col6a3	-0.943473968	0.003471618
17452689	Rsrc2	0.885266654	0.003471618
17261417	Chac2	0.869715239	0.003473377
17218653	Gas5	0.725471651	0.003474127
17245488	Tbk1	0.890632359	0.003474127
17494185	Olfr616	-0.763689093	0.003476554
17284166	5033406O09Rik	-0.604544736	0.003479302
17227138	Tmem183a	0.67160122	0.003479302
17319806	Arfgap3	0.937048636	0.003479809
17521652	Nicn1	0.743278205	0.003479809
17442898	Mrps17	0.67087021	0.003487266
17403490	Mcoln2	-0.657043752	0.003490739
17438438	Srp72	0.570585189	0.003492574
17397827	Med12l	0.668458724	0.003494089
17318143	Top1mt	1.221790309	0.0034947
17448577	Gabra2	1.139848113	0.003496107

17311652	Wdr67	1.1005367	0.003496107
17423291	Esrp1	1.477261348	0.003496597
17508593	Mak16	0.840447672	0.00350905
17409328	Sars	0.839141947	0.003509234
17405397	Pfn2	0.991213229	0.003512577
17302483	Cln5	0.724299354	0.003523598
17211131	Prex2	-1.340482763	0.00352518
17320783	Pus7l	0.806957747	0.00352518
17487855	Pou2f2	-0.755765333	0.003527827
17265733	Ctns	0.937854512	0.003532075
17349223	lws1	0.850981201	0.003532075
17326801	Jam2	1.154614761	0.003532075
17371495	Klhl23	0.81416433	0.003532075
17344120	Snord52	0.854135665	0.003532075
17354810	Afap1l1	1.218551988	0.003537149
17438361	Cep135	1.025275953	0.003537149
17365160	Mrpl43	0.676716169	0.003537149
17400023	Them4	0.829154392	0.003543036
17238852		-0.939770991	0.003545657
17502754	Otud4	0.747072277	0.00354594
17203355		1.645856311	0.003551357
17252405		0.585573199	0.003553603
17427462	Tm2d1	0.876392501	0.003555139
17429837	1700021L23Rik	-0.686243728	0.003556427
17541417	Aifm1	0.66829924	0.003556427
17357183	Nxf1	1.008684529	0.003556427
17260839	Actr2	0.590173301	0.003558663
17375341	Ctdspl2	0.693922338	0.003558663
17229658	Fcer1g	-1.269952809	0.003558663
17491564		1.03483736	0.003559251
17548504	Gm10244	0.885162235	0.003561779
17528296	Trip4	0.607272552	0.003589845
17279959	1700034J04Rik	-0.595465577	0.003590947
17341705		1.208463926	0.003590947
17323532	P2rx6	-0.644080765	0.003593737
17207277		1.902012092	0.003595618
17393620	Dsn1	0.9765209	0.00361197
17533553	Phf16	0.886103722	0.00361197
17468706		-0.540649231	0.00361197
17539064	Acot9	0.757174852	0.003618777
17321907	Krt75	1.276398799	0.003621084
17354992	1700091E21Rik	0.734412089	0.003625523
17290217	BC016423	0.744191244	0.003627898

17311272	Zfpm2	-1.087350284	0.003644787
17366792		1.37473719	0.003644787
17225829	1700063A18Rik	-0.610909121	0.003645006
17466397	Epha1	0.973628039	0.003645006
17320907	Slc38a1	0.719439947	0.003645006
17206171		-1.497519933	0.003645006
17294959	Cmya5	-0.824435591	0.003660082
17277801	Spata7	0.776674226	0.003663999
17419287	Laptm5	-1.10747125	0.003664854
17250638	Specc1	-0.791153639	0.003669968
17267393	Dhx40	0.666848547	0.003673075
17353581	Lrrtm2	0.73039838	0.003674325
17333707	Mirlet7e	-0.798573038	0.003694128
17253478	Rab34	-0.720017353	0.003694705
17525524	Stt3a	0.596873483	0.003700627
17538833		-1.062426244	0.003700627
17485815	Syt5	0.981778199	0.003701874
17517151	Alg9	0.798634	0.003702626
17450741	Atp5k	-0.608304247	0.003702626
17460185	Dysf	-0.741536715	0.003702626
17322429	Ppp1r1a	0.869706481	0.003702626
17308476		0.882961553	0.003702626
17291576	Exoc2	0.538326835	0.003705466
17333729	Mir125a	-0.998689316	0.003705466
17393868	Mafb	-1.09639658	0.003714484
17257051	Nmt1	0.581672745	0.00371602
17549062		0.928728942	0.003717053
17299101	Ang5	-0.865840542	0.00372438
17318422	Gm10872	-0.580240659	0.00372438
17444653	Zkscan5	0.588721883	0.003725261
17389051	Elp4	0.690713604	0.003730755
17321046	Hdac7	-0.820127508	0.003730755
17292712	Nop16	0.766570897	0.003730755
17438101	Ociad1	0.582267201	0.003733595
17365444	Pcgf6	0.91649527	0.003733595
17398152	Gfm1	0.830644668	0.003736162
17522369	Ngp	-0.855587055	0.003737735
17384484	Ggta1	0.744210816	0.003737933
17209023		1.043343775	0.003753269
17292654	Sptlc1	0.618679028	0.003759611
17432287	Ddi2	0.86919315	0.003768697
17511296	Wdr83	0.81033152	0.003771617
17260775	Pno1	0.703919116	0.003774176

17354132	Jakmip2	1.173716759	0.003774318
17364187		-0.988095767	0.003774318
17459591	St3gal5	-0.730995414	0.003775126
17370420	Crb2	-1.194928342	0.003780521
17340232	Cript	0.720106984	0.003780521
17483532	Kat8	0.773843245	0.00378076
17530322	Uba5	0.624330407	0.003782651
17374283	Katnbl1	0.869761865	0.003788899
17274841	Cog5	0.723246864	0.003793734
17493405		-1.03318801	0.003793734
17210607		-0.859766668	0.003797317
17365243	Npm3	0.696809362	0.003805423
17454226	Mcm7	0.805928824	0.003806546
17500275	Erlin2	0.644268959	0.003816337
17392375	Snx5	0.553178032	0.003816337
17236091	Al597468	0.764349206	0.003818418
17449008	Aasdh	0.832711856	0.003822363
17516068	Msantd2	0.651905292	0.003822363
17362616	Myrf	-1.640585299	0.003825203
17467823	Kcmf1	0.529064685	0.003826045
17291854	Rpp40	0.759957014	0.003833617
17302213	Mtrf1	0.605657703	0.003836791
17357597	Slc15a3	-1.344284422	0.003840983
17429858	Utp11l	0.55652468	0.003840983
17203657		1.372996141	0.003844015
17279148	Eif5	0.597651918	0.003847978
17212888	Mob4	0.736685053	0.003847978
17204597		1.833418654	0.003849267
17407412	Sprr1a	1.21638258	0.003849661
17514049	Taf5l	0.682886172	0.003858423
17473047	Gm9027	0.736792086	0.00386374
17307125	Gjb6	1.047876562	0.003869161
17314712	Troap	0.797145321	0.003869332
17351837	BC031181	0.645208652	0.003871436
17551123		-2.761419056	0.003872716
17411761	Ccne2	0.922756772	0.003874721
17293475	Gm19792	-1.238920402	0.00387871
17364111	Ch25h	0.993934334	0.003879515
17541190	Cul4b	0.746188358	0.003879515
17350032	Gm5820	-0.610621058	0.003879515
17400650	Itga10	-0.868173907	0.003879515
17477116	LOC101056592	-0.748290218	0.003879515
17301886	Lpar6	0.682153809	0.003879515

17416061	Sgip1	0.921861693	0.003879515
17327989		-1.087504826	0.003879515
17352601		-0.944917204	0.003879515
17251370	Myh10	-0.940903172	0.003908471
17345475	Ptk7	-0.896503216	0.003909204
17359055	Exoc6	1.053403369	0.003914367
17391983	Prokr2	-0.716649286	0.003923854
17232901	Gm17196	-0.834070505	0.003924907
17381940	Nebl	0.85502994	0.003927248
17512940	Sf3b3	1.248769358	0.003927248
17203237		1.71373986	0.003927248
17449520		0.958911245	0.003927248
17500801	2810404M03Rik	-0.80859811	0.003928083
17310950	Pop1	1.17319131	0.003928083
17272530	Srsf2	0.810387624	0.003928083
17351839		0.815281638	0.003928083
17274027		-0.637142437	0.003928083
17327539	Pcp4	0.856807289	0.003937857
17335878	Pknox1	0.873518247	0.003937857
17355251	4930549G23Rik	0.755893531	0.003940461
17407823	4930558C23Rik	-0.691256834	0.003940461
17548012	Gm6594	0.572246439	0.003940461
17409217	Gnai3	0.623853958	0.003940461
17460059	Mob1a	0.613542299	0.003940461
17409493	Prmt6	0.907992482	0.003940461
17451867	Rfc5	0.926819784	0.003940461
17459735	Lrrtm1	0.918423702	0.003943195
17278785		1.09771031	0.003952097
17302305	Tdrd3	0.874960638	0.003960444
17361741	Ehbp111	-0.645150585	0.003983436
17208557		-1.79639156	0.003984313
17340272	Epcam	0.908923939	0.003985341
17479736	Tm6sf1	-1.083296127	0.003985362
17444100	Chst12	-0.837399929	0.003986012
17480312	Gab2	-0.893704307	0.003986012
17462219		0.796411178	0.003986935
17521171	Tlr9	-0.836869982	0.003994354
17324163	Ephb3	0.847318212	0.004003899
17430824	Snhg3	1.024401794	0.004005176
17214487	Speg	-0.933672471	0.004006726
17339013	Emr1	-1.758509288	0.004017594
17240608	Qrs1	0.723725434	0.00403411
17434510	Slc25a40	0.86999098	0.00403411

17295670	Ocln	1.360778111	0.004040869
17426365	Tnc	-1.093207825	0.004043146
17359966		-0.785850134	0.004043146
17411435	Srsf11	0.636380728	0.004045928
17346840	Rab12	0.577948487	0.004055392
17280742	9130015A21Rik	-0.698005888	0.004055719
17359449	Gm340	0.879586493	0.004055719
17277592	Gstz1	0.896162733	0.004055719
17361663	Kat5	0.756783552	0.004056145
17255788	Arhgap23	-0.697991383	0.004066046
17351862	Smad7	-0.735088326	0.004066046
17540027	Wdr13	0.547523897	0.004066046
17202789		-0.907083725	0.004066046
17529356		-1.697334004	0.004069998
17352036	Pstpip2	0.971287017	0.004075397
17332236	Runx1	-0.876770116	0.004081172
17436457	Tacc3	0.953982976	0.004082493
17292370	Fam120a	-0.594914265	0.00408594
17453205	Sbds	0.622498061	0.00408594
17223903	Acadl	0.672388043	0.004088219
17280009	Ddx1	0.691829743	0.004089778
17516921	Zfp259	0.690912634	0.004091427
17386481	Ola1	0.576039586	0.004116572
17299518	Parp2	0.659479606	0.004119701
17550324	LOC100861696	1.157269697	0.004121776
17550348	LOC100861696	1.157269697	0.004121776
17275237	Pnpla8	0.803586723	0.004121776
17208727		1.141692204	0.004125325
17498099	Ctsd	-0.653060396	0.004142293
17530033	Esyt3	1.09957663	0.004142293
17281529	Nemf	0.83227515	0.004154642
17358682	Minpp1	0.731985975	0.004154768
17445303	Mterf	1.071397629	0.004154768
17210735		-1.48521677	0.004169777
17442863	Sfswap	0.763616414	0.004200012
17328451	Mzt2	0.731520929	0.004205362
17312606	Zfp7	0.601423119	0.004206196
17339840	Gpatch11	0.630357308	0.004217862
17222596	1700066B17Rik	-0.744870834	0.004219308
17244341	Elk3	-1.012662968	0.004219308
17520922	Rab6b	1.433078096	0.004219308
17426784	2310067E19Rik	-1.114646008	0.004224846
17249524	Shroom1	-0.658983875	0.004224846

17239616	Pex7	0.823172418	0.004225689
17538815		-0.933086626	0.004226248
17302802	Farp1	-0.864489777	0.00422733
17539932	Hdac6	0.742998038	0.004228009
17338353	n-R5s28	-0.963020728	0.004228009
17376822	Snap25	2.068974541	0.004228009
17457731	Try4	-1.005854043	0.004228009
17207407		-1.325167304	0.004228009
17474205	Dact3	-0.726771442	0.004239826
17240554		-1.180661499	0.004239826
17255260	Col1a1	-1.179564364	0.004243346
17485553	Tmc4	0.912803042	0.004243346
17375244	Map1a	-0.700116117	0.00424349
17498830	Ccl25	0.860129215	0.004255373
17221633	Mcm3	1.016404759	0.004255373
17260885	Aftph	0.669389306	0.00425702
17548413	Ssh1	-0.759304616	0.00425702
17526850	AU019823	0.793105889	0.004260782
17353752	Ndufa2	-0.76293527	0.004260782
17330029	1700119H24Rik	-0.844473421	0.004263861
17466507	Ezh2	0.738587856	0.004263861
17437278	Ncapg	1.059539227	0.004263861
17437459	Slc34a2	1.485974046	0.004263861
17218027	Uchl5	0.997657204	0.004263861
17376677	Bmp2	0.761806541	0.004278261
17347846	Srbd1	0.780517143	0.00428066
17301452	Clu	0.565664163	0.004286897
17294066	Mtrr	0.846628112	0.004303703
17250236	4933439C10Rik	0.734077285	0.004306091
17262316	Ltc4s	-0.621673436	0.004320612
17482626	Mettl9	0.633622891	0.004320612
17460342	Tprkb	0.787065777	0.004320612
17205005		1.740188658	0.004320612
17325367		-0.771289715	0.004320612
17536517	Otud6a	-0.760547406	0.004323176
17363644	Cbwd1	0.815052363	0.004324352
17485424	Gm10152	-0.810219318	0.004325209
17455801	Col1a2	-1.125363884	0.004333064
17310004	Rictor	0.78909203	0.004333064
17200281		2.301242404	0.004333064
17365911	Ablim1	0.958794148	0.004333243
17518935	Narg2	0.697878585	0.004333243
17220776	Nsl1	1.039145251	0.004335107

17247550	Peli1	0.689211263	0.004335107
17204949		-1.170206937	0.004335107
17348452		1.094042805	0.004335107
17327681	Crebbp	-0.79715985	0.004341014
17305221	Fam213a	0.805088851	0.004349107
17540273	1810030O07Rik	0.712153934	0.004353143
17253858	Atad5	0.892798567	0.004359266
17545121	Dcx	1.70431786	0.004359266
17305826	Gm6055	0.829414673	0.004359266
17372066	Hoxd9	-0.622839223	0.004359266
17319957	Sult4a1	0.75672509	0.004359266
17532135		-0.851412149	0.004359266
17207623		1.167354656	0.004359266
17219324	Arhgap30	-0.6629483	0.004360086
17449052	Hopx	0.720033234	0.00436165
17360486	Vti1a	0.848904987	0.00436165
17435855	Mapre3	-0.626134708	0.004364269
17209983		-0.731463108	0.004364269
17488945	Zfp566	0.635332002	0.004364888
17393336	Edem2	0.687368191	0.004365028
17389844	Rhov	0.720019339	0.004365664
17365493	Obfc1	0.650343107	0.004368897
17228046	Rnf2	0.636580617	0.004368897
17344034	Skiv2l	-0.633705755	0.004368897
17367137	Mir511	-0.915297344	0.004369812
17470988	Ptms	-0.579017657	0.004369812
17504751	Tmem208	0.595645176	0.004378158
17290139	4833420G17Rik	0.654633909	0.004385279
17401768	Clcc1	0.667455205	0.004385279
17276182	Jkamp	0.593101598	0.004385279
17216201	Gin1	0.838001304	0.004395127
17483840		-1.198764185	0.004395127
17508163		0.800128652	0.004395127
17203583		1.076312793	0.004405372
17330148		-0.918074845	0.004413127
17529398	Me1	0.766842316	0.004416491
17464588	Sgce	0.603062739	0.004419068
17302989	Gm3696	1.00401729	0.004426707
17234667	Pttg1ip	0.662841409	0.004431475
17248242	Snrnp25	0.792908055	0.004431475
17304860	Timm23	0.541763659	0.004431475
17271751	Gm11711	-0.758268049	0.004432973
17497036	2310057M21Rik	0.910167389	0.004433024

17331873	Krtap19-4	-0.863898478	0.004433024
17375100	Haus2	0.638629322	0.004434054
17420440		1.400542626	0.004434054
17326735	Chodl	0.641070317	0.004439142
17201563		-1.162156685	0.004439142
17514678	Maml2	-0.933348783	0.004442949
17513158	Bcar1	-0.616895197	0.004456106
17257801	Axin2	0.938995482	0.004459518
17490050	Zfp141	1.222236165	0.004459518
17399402		-0.927593208	0.004465036
17499843	Ccdc70	-0.558700517	0.004471017
17279670	Rapgef5	0.756655493	0.004478302
17401246	Ap4b1	1.017695354	0.004483523
17544284	Nap1l3	0.75828541	0.004483523
17510707	Lsm6	0.862631232	0.004487724
17425855	Inip	1.000994982	0.004505722
17551115		-3.550828749	0.004505722
17438196	Fip1l1	0.60593506	0.004506917
17245013	Tbc1d15	0.604954643	0.004506917
17206539		1.563057331	0.004506917
17357671	Ms4a6c	-1.193602116	0.004517057
17505903	Gm15655	-0.994173061	0.004518187
17422337	Megf6	-1.321264511	0.004527051
17437876	Uchl1	1.159278987	0.004527051
17340532	LOC101055731	-0.557776347	0.004559425
17502378	Tpm4	0.548123483	0.004561608
17460385	Tgfa	1.141494828	0.00459871
17286283	Dusp22	0.598552692	0.004604493
17514732	Sesn3	0.751132765	0.004613616
17414760	Atp6v1g1	0.576978822	0.004616346
17341269	Has1	-0.596406771	0.004616346
17381171	Pcmt2	0.752783018	0.004616346
17538830		-0.784872104	0.004618473
17415535	Gm3831	-0.561936566	0.004621268
17403625	Fubp1	0.646031204	0.004630451
17240945	Serinc1	0.673121526	0.004638929
17438320		0.802056294	0.004638929
17538816		-1.064810978	0.004639306
17282886	Nrp	0.585413456	0.004639437
17267846	Abcc3	-1.227764162	0.004639553
17444961	Alox5ap	-1.366589467	0.004639553
17371684	Dcaf17	0.687253805	0.004639553
17286254	Mboat1	0.864788601	0.004639553

17261272	Rps27a	0.715088037	0.004639553
17505426	Ap1g1	0.844070699	0.00464174
17358838	Kif20b	1.223511825	0.00464174
17548468	Gm3470	-0.789293023	0.004644532
17241001	Oit3	1.286895126	0.004644532
17232937	Ostm1	0.755624249	0.004644532
17203673		1.518651798	0.004644532
17208437		-1.526403102	0.004653367
17400804		0.876416882	0.00465676
17335936	Cyp4f39	0.843905716	0.004660086
17416761	Kti12	0.763192617	0.004660086
17201065		1.434737305	0.004660086
17332050	Synj1	0.762884398	0.004662341
17248539	Gabrb2	0.951652914	0.004665095
17545675	Mbtps2	0.761632462	0.00466588
17254670	Ska2	0.743156594	0.004675814
17461554	Mtmr14	0.662297701	0.004685586
17313721	Parvg	-0.851882361	0.004685998
17205899		0.819097631	0.004685998
17223848	Cryga	2.105642517	0.004700725
17465512	Tmem209	1.017384779	0.004714384
17404269	Pde7a	1.086337178	0.004714679
17466783	Skap2	0.79979521	0.004717706
17295926	Trappc13	0.611804899	0.004718118
17271091	Nol11	0.628746363	0.004736918
17200935		1.630553096	0.004745478
17372564	Cwc22	0.919551175	0.004748302
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17298528	Parg	0.679920156	0.004748302
17545399	Tsr2	0.778957533	0.004763946
17213349	Carf	0.892757364	0.004765779
17316105	6030458C11Rik	1.002178023	0.004767265
17243014	Abhd17a	-0.647309446	0.004767265
17527590	Clk3	0.709688908	0.004767265
17437773	Lias	0.681343519	0.004767265
17214825	LOC637796	0.551791232	0.004767265
17501633	Lpl	-0.976501545	0.004767265
17363862	Ranbp6	0.811383243	0.004767265

17399995	S100a11	-0.619816545	0.004767265
17489587	Uba2	0.58287526	0.004767265
17536931		-0.565983724	0.004767265
17536943		-0.565983724	0.004767265
17279154		0.594133448	0.004767265
17457781	Tcrb-J	-0.991749682	0.004775238
17492047	Gm16158	-0.82254959	0.004779172
17486899	Sae1	0.633237732	0.004779172
17373811		-1.076875291	0.004779849
17292640	Ror2	-0.623991857	0.00478855
17532692	LOC100861738	1.078963888	0.004793986
17271931	Sumo2	0.604562696	0.004794283
17393375	Uqcc	0.587218012	0.004798941
17478730	Gabrb3	0.86722046	0.004800231
17537455	Gm17714	-0.680066779	0.004800231
17548628	Gm19514	-0.702704366	0.004800231
17320974	Rpap3	0.671602649	0.004800231
17548508	Tra2a	1.193505557	0.004800231
17508994	Zfp42	1.124802356	0.004800231
17227157		-0.870361689	0.004800231
17544297		-0.680066779	0.004800231
17544305		-0.680066779	0.004800231
17544313		-0.680066779	0.004800231
17544321		-0.680066779	0.004800231
17232003	Hbs1l	0.643403235	0.00480619
17414266		-0.766782916	0.00480619
17548808	Gpc3	-0.986341685	0.004807446
17442823	Ran	0.599005285	0.004820783
17315007	Mettl7a3	-2.59477529	0.004822502
17430576	Tinagl1	0.701392712	0.004823396
17447147		1.131680149	0.004823396
17326428	Cpox	0.674492776	0.00485006
17280749	Tspan13	0.997269647	0.00485006
17222623		-0.734435899	0.00485006
17528319	Snx22	-0.558303284	0.004859985
17470175	Zfp248	1.182841032	0.004859985
17242535	Syde1	-0.940066603	0.00486435
17331422	LOC100861916	0.90580834	0.004875388
17278773	Rian	1.436936017	0.004875388
17443596	Actl6b	0.619111299	0.004877309
17529569	Gm2382	0.621364399	0.004884239
17494651	Gm4070	-1.096503876	0.004884656
17416690	Orc1	0.960147507	0.004884656

17506947		-0.94080641	0.004884656
17419613	1810019J16Rik	1.054374148	0.004887384
17332140	Gart	0.743402204	0.004887384
17285815	Hist1h4h	0.899570049	0.004887384
17525868	Ubash3b	0.975459101	0.004887384
17474621	Ckm	-0.747894018	0.00488837
17305719	Cnih	0.538045842	0.00488837
17478201	Gtf2h1	0.83841448	0.00488837
17351204	Napg	0.684355331	0.00488837
17214039		-1.2898924	0.00488837
17214041		-1.2898924	0.00488837
17214043		-1.2898924	0.00488837
17254200		-1.2898924	0.00488837
17528878	Scg3	1.850738918	0.004903209
17383748	Fnbp1	-0.633104598	0.004920391
17227515	Nr5a2	-0.714073541	0.00492831
17368302	Pmpca	0.687001747	0.004932171
17462407	Bcl2l13	0.884692332	0.004939842
17407969	Plekho1	-0.634174544	0.00494209
17355443	Lipg	1.381413797	0.004947655
17318950	Csf2rb2	-1.36452705	0.004953705
17287414	Sfxn1	0.771248001	0.004957903
17403775	Cryz	0.991686314	0.004958168
17216301		-0.884087298	0.004962781
17471311	Rhno1	0.811202813	0.004964686
17437790	Ube2k	0.567537632	0.004964686
17354004	Yipf5	0.571404405	0.004964686
17408640		-0.926668556	0.004964686
17358014		1.091359311	0.004972109
17225586	Myeov2	0.664975744	0.004972855
17287338	Secisbp2	0.626934291	0.004972855
17372970	Olfr1265	-1.109057679	0.004992949
17403340	Odf2l	0.861709863	0.004999901
17475214		-1.06769282	0.004999901
17296082	Apoo-ps	0.782044018	0.00500293
17349034	Fhod3	0.799683016	0.00500293
17493395	Gm15416	-0.743206232	0.00500293
17353520	Cdc25c	1.014073894	0.005011048
17461205	Chl1	1.828438379	0.005011048
17217946	F13b	-0.663719711	0.005011048
17379981	Pard6b	0.805994435	0.005011048
17347801	Prepl	1.002276234	0.005011048
17422612	Slc35e2	0.800584317	0.005011048

17446093		-1.730434568	0.005011048
17235890	Hcfc2	0.710842568	0.005011724
17224629	Obsl1	-0.60784169	0.005016546
17258994	Gaa	-0.579298549	0.005019055
17377092	Sec23b	0.643218551	0.005019055
17493024	Zfand6	0.629680539	0.005028859
17244126	Actr6	0.59709719	0.005031671
17201601		-0.738189237	0.005032151
17487046	Psg28	-0.827070039	0.005044409
17543014	Mageb16	1.220618619	0.0050592
17423444	Necab1	0.776024166	0.0050592
17468509		-1.155369463	0.0050592
17299279	Cgrf1	0.657159058	0.005059566
17271033	Kpna2	0.63110626	0.005059566
17287471	Faf2	0.599080501	0.005060231
17477127	Vsig10l	0.728584864	0.005061332
17210363		1.674487303	0.005064197
17383104	Agpat2	0.677934612	0.005065201
17522319	Cspg5	0.733551048	0.005065201
17336921	Ly6g6c	2.157720959	0.005065201
17362941	Ms4a14	-1.77963378	0.005077048
17366856	Mir466b-2	0.960985727	0.005084122
17550382	Dio3os	-1.622704813	0.005084862
17548948	Gm21710	0.865256247	0.005084862
17325386	lqcb1	0.549841889	0.005084862
17419469	Rpa2	0.821432294	0.005084862
17376119	Chchd5	0.562705496	0.005090305
17391997	Gpcpd1	0.609428928	0.005090305
17226720	Il20	-0.494074187	0.005100882
17363488	1110059E24Rik	0.917705301	0.00510251
17400720	Rnf115	0.627016424	0.00510251
17213139	Bzw1	0.543869148	0.005103057
17355231	Ptpn2	0.595392359	0.005103057
17449516	Cox18	0.653971908	0.005104752
17433555	Smim1	-0.915561445	0.005124342
17423215	Ndufaf6	0.906164502	0.005127621
17270783	Ftsj3	0.912199033	0.005137711
17398653		-1.922427693	0.005137711
17362240	Stip1	0.675618105	0.005139966
17479012	Lins	0.676107653	0.0051669
17388821	Nat10	0.55662815	0.0051669
17399235	n-R5s197	-0.990247016	0.005169772
17438338	Exoc1	0.749858055	0.005184073

17445426	Steap2	-0.88086506	0.005191389
17333342	Tcp1	1.025538125	0.005191389
17302724	Dnajc3	0.628539064	0.005193025
17502781	Anapc10	0.756025835	0.005194585
17495307		0.912977719	0.005195467
17233022	Cd24a	0.933334435	0.005198606
17485226	Lsp1	-0.752148405	0.005198606
17449521		0.849812429	0.005205954
17210153		-0.747176488	0.005205954
17459207	Ndnf	1.445302584	0.005210249
17387426	Gm13710	-0.853094758	0.00522119
17446145	Gm15587	-0.668854043	0.00522119
17312746	Kctd17	-0.631588271	0.00522119
17227311	Shisa4	-0.777458904	0.00524561
17460461		-0.745420903	0.00525042
17363954	Sgms1	0.645486829	0.005250703
17325312	Ccdc58	0.612170581	0.005257895
17529647	Morf4l1	0.823440192	0.005271377
17526576	Tagln	-0.5964909	0.005280569
17203251		1.406486858	0.005285981
17460622	Rpn1	0.547221321	0.005292791
17236708	Ccdc41	0.782344317	0.005318576
17421233	Gm13023	-1.129329466	0.005325886
17544088	2610002M06Rik	0.693567215	0.005334053
17258186	Ict1	0.649995495	0.005334053
17473959	Obox2	-0.830602848	0.005334053
17465449	Tnpo3	0.916556757	0.005334579
17357219	Hnrnpul2	0.78398077	0.005336769
17311649	Derl1	1.021916974	0.005339801
17392633		0.919983304	0.005339801
17372984	Nup160	0.809283466	0.005341779
17352603	Usp14	0.773488059	0.005343519
17389578	Atpbd4	1.032331958	0.005344045
17508589	Mir1186	-0.728613433	0.005344045
17204135		1.552903392	0.005344045
17528932		-1.221588663	0.00534539
17508508	2310008N11Rik	-0.606581447	0.005352321
17501272	Hand2	-0.8066785	0.005355736
17472199	Erp27	-0.612270278	0.005358102
17206083		-1.283499872	0.005372087
17517142	Fdxacb1	0.625368384	0.005372325
17367436	Gm13363	0.620624484	0.005372325
17491315	Mrgpra9	-0.6611739	0.005372325

17297161	3830406C13Rik	0.637102293	0.005385403
17282296	Gm20337	0.766291591	0.005385403
17516280	Olfr150	0.7796287	0.005385403
17229269	Rcsd1	-0.745161737	0.005391578
17257558		0.645397081	0.005399598
17235053	Wdr18	0.821368934	0.005406601
17372156	Gm13657	0.706379635	0.005408697
17345666	Gm16494	0.590864872	0.005408697
17550126	Mir669a-2	1.421533336	0.005408697
17287107	Ninj1	-0.710245467	0.005408697
17290815	Rala	0.637425818	0.005408697
17453819	Serpine1	-0.915137553	0.005408697
17394782	Dpm1	0.543249878	0.005410334
17360585	Nhlrc2	0.998349585	0.005410334
17493949	Folr2	-1.252051879	0.005410368
17465044	Tspan12	0.579866622	0.005429726
17409026	Ubl4b	-0.656137917	0.005445734
17311701	Wdyhv1	-0.697896689	0.005445734
17259528		-0.80330661	0.005445734
17515952	Pus3	0.703167827	0.005446974
17345029	Gpr111	0.855957855	0.00544792
17296013	Ipo11	0.653608502	0.005451216
17372552	Fam171b	1.339066415	0.005451838
17311871	4930449C09Rik	-0.609145319	0.00546137
17217469	Klhl12	0.547914937	0.00546137
17414112		-0.734337491	0.00546137
17351196	Apcdd1	1.007008858	0.005461771
17469289	Eogt	0.962900117	0.005461771
17490024	Vmn2r58	-1.434450675	0.005461771
17481982	Far1	0.502397005	0.005466031
17403994	Il7	-0.603438845	0.005470427
17406450	Snord73a	1.375620859	0.005475385
17277043	Dcaf4	1.052977156	0.005480715
17459693	Gm20536	1.54097216	0.005480715
17365286	9130011E15Rik	1.050066576	0.00548216
17508949	Asah1	0.59945495	0.00548216
17342829	Tead3	-0.698891825	0.00548216
17501041	Casp3	0.885136659	0.005486029
17234165	LOC101056131	-0.552712841	0.005491111
17506296	Foxc2	-0.785187681	0.005491839
17396553	Mynn	0.699935503	0.00549658
17388089	Ptpmt1	0.772618704	0.00549658
17323465	Snap29	0.633245881	0.005510408

17381626	8030442B05Rik	-0.676180569	0.005514419
17243678	D10Wsu52e	0.58555682	0.005520629
17409839	Ptbp2	0.872605683	0.005520629
17274394		1.128624615	0.005520629
17274480		-1.309915472	0.005522207
17484952	Tspan4	-0.584893008	0.005529678
17482503	BC030336	0.590847593	0.005534901
17377071	Polr3f	0.689893597	0.005548792
17402541	Pitx2	0.893529983	0.005562092
17337553	Gm20429	-0.732051322	0.005567183
17267418	A130040M12Rik	-1.336418794	0.005570128
17439590	Cops4	0.573409173	0.005570128
17201593		-1.742357654	0.005571444
17522651	Clasp2	0.71816523	0.005577863
17207925		1.239930577	0.005581012
17549076		-0.888381335	0.005589344
17469339		1.289650743	0.005591318
17359008	March5	0.564221533	0.005594013
17525746	AW551984	0.939046686	0.005596703
17500996	Acs1	0.7460387	0.005596939
17278073	Golga5	0.866922707	0.005596939
17289553	Sgtb	1.040603568	0.005596939
17203431		2.132636695	0.005596939
17284354	Igh-VX24	-1.227276084	0.005598894
17221081	Mrpl15	0.732883072	0.005598894
17476175	Zfp84	0.896254379	0.005610476
17449523		1.401482197	0.005611467
17302061	Nufip1	0.746041587	0.005618233
17464672	Slc25a13	0.791585808	0.005621866
17532651	mt-Te	-0.788886341	0.00562627
17315388		-1.241059333	0.005626792
17264996	Tnk1	0.928187389	0.005628036
17325787	Spice1	0.719201769	0.005631411
17343478	Zfp799	1.056187645	0.005631411
17374053	Kcna4	1.022720592	0.005643167
17339108	Man2a1	-0.88425353	0.005649727
17350693		-0.762761528	0.005656178
17269758	Psmc3ip	0.804159404	0.005670589
17315387		0.756512482	0.005670985
17208947		1.604371764	0.005674558
17223659	Gm11610	-0.707104595	0.005674649
17529966	Mrps22	0.601314612	0.005674649
17464986	Asz1	-0.607360255	0.005680561

17363220	Cep78	0.824848096	0.005680561
17459530	Immt	0.735581413	0.005680561
17451661	Unc119b	0.706772797	0.005680561
17362494	Polr2g	0.648923842	0.005681598
17543085	n-R5s10	-0.946365199	0.005682961
17472467	Recql	0.621889	0.005682961
17414228	Fktn	0.82402476	0.005698452
17532472	Cdcp1	0.989756976	0.005709866
17442060	Pptc7	1.177921245	0.005713428
17500453	Tex15	1.138030884	0.00571625
17409736	Slc35a3	0.739246441	0.005722145
17491440	Nipa2	0.795744466	0.005729989
17368550	Rxra	-0.717110989	0.005729989
17297374	Nkiras1	0.6193647	0.005743318
17540203	Rpgr	0.943852717	0.005744957
17518458	Igdcc4	-0.926465358	0.005746367
17241840	Fam211b	-0.662207281	0.00574654
17308669	Gm15628	-0.769000589	0.00574654
17512379	Mir328	-1.204483797	0.00574654
17550298	Mir328	-1.204483797	0.00574654
17455608	Rfc3	0.659334985	0.00574654
17294736		-1.449955509	0.00574654
17460405	Tia1	0.901561598	0.005752023
17287336		1.144959274	0.005756812
17537173	2810403D21Rik	0.68419549	0.005759716
17443752	Cops6	0.51222079	0.005763944
17359608	Entpd7	0.738329267	0.005763944
17314439	Pphln1	0.679175568	0.005765597
17371427	Dhrs9	-0.761081736	0.005769194
17449176	Uba6	0.600499652	0.005769194
17293903	Zfp708	0.868965939	0.005771288
17296595	Gm10413	1.154839182	0.005783439
17246213	Pa2g4	0.523267448	0.005783439
17328582	Ppil2	0.583054798	0.005783439
17274352	Gm9292	0.717966571	0.005784219
17233286	Nepn	1.857205917	0.005784219
17258023	LOC100862618	-0.817974392	0.005802365
17260944	Mdh1	0.558072039	0.005802365
17407561	Snx27	0.525204219	0.00580606
17328719	Thap7	-0.538671203	0.00580606
17462191	Zfp239	0.671721714	0.005806173
17237767	Ppm1h	-0.601526432	0.005806951
17397774	Tsc22d2	-0.542437654	0.005806951

17329016	Iglv1	-0.811568308	0.005819912
17334299	2610019E17Rik	1.080939277	0.005831127
17200631		-1.183605951	0.005831127
17388854	Caprin1	0.583355685	0.005831353
17519088	Adam10	0.537041992	0.00583981
17226473	Tmem163	1.14174656	0.00583981
17547937	2310042E22Rik	0.814146956	0.005841703
17444628	LOC100045848	0.60573455	0.005841703
17344251	Prrc2a	-0.537004093	0.005841703
17300203	Traj24	-1.462608981	0.005841703
17283725	Clmn	1.254825578	0.005843354
17348950	Zfp397	0.638932071	0.005849424
17207281		1.055038236	0.005849424
17532367	Hhatl	-0.594726417	0.005851892
17241181	Adamts14	-1.069457072	0.005863414
17354386	Cep120	0.541033472	0.005863414
17258813	Tmc8	-0.811056983	0.005863414
17323675	Arvcf	-0.73800963	0.005865079
17326816	Gabpa	0.61011739	0.005865079
17374238	Nop10	0.716533399	0.005865079
17550450	Snhg1	0.591428757	0.005865079
17519967	Tpbp	0.890707127	0.005865079
17234694	Ube2g2	0.751261735	0.005865079
17389709	Gpr176	-0.623656061	0.00586948
17234172	Gm15647	-0.537184483	0.005871375
17460393	Fam136a	-0.569192123	0.005891393
17508968	Frg1	0.683834952	0.005894041
17543356	Gm19691	0.999246732	0.005894041
17290707	Tbce	0.672038956	0.005894041
17206117		-0.982545546	0.005894041
17288066		-1.265659336	0.005894041
17315392		0.565450594	0.005894041
17233039	Rtn4ip1	0.797499855	0.005899496
17344990	Cenpq	0.751159885	0.005909432
17387316	Nckap1	0.644641766	0.005909432
17512740	Nob1	0.682438483	0.005909432
17226870	Gm10188	-0.696444606	0.005911006
17224620	Chpf	-0.492992779	0.005926155
17207439		1.965319935	0.005926155
17279167	Eif5	0.905099961	0.005956212
17325159	Mylk	-1.468715206	0.005956212
17338982	Vav1	-1.093638347	0.005956212
17279168		0.905099961	0.005956212

17495299		0.62434793	0.005956698
17497044	Ikzf5	0.638085219	0.005958314
17309118	Tbc1d4	-0.772665918	0.005958314
17493358	4632434I11Rik	1.281110664	0.00596128
17300129	A630038E17Rik	1.507658083	0.00596128
17462719	Necap1	0.556848107	0.00596128
17233702	Nodal	-0.798163094	0.00596128
17512716	Terf2	0.910872428	0.00596128
17231611		-1.779830626	0.00596128
17214025		-1.26792116	0.00596128
17312615	Commd5	0.58362976	0.005964616
17250519	Dhrs7b	0.754103025	0.005966115
17459236	Mad2l1	0.622383495	0.005966115
17221191	Snord87	-0.592655402	0.005966115
17461954	Tsen2	0.816010948	0.005966115
17318013	Lynx1	-0.662841066	0.00596632
17432927	Fbxo44	0.557014915	0.005981415
17247593	Gm12043	-0.820114277	0.005981415
17293165	Slc28a3	0.618204913	0.005981415
17361404	Dpp3	0.848269828	0.005988921
17303738	Ecd	0.580047125	0.005988921
17423373	Fam92a	0.579199025	0.005988921
17529358	Gm5619	-0.794603025	0.005988921
17294860	Msh3	0.6959071	0.005988921
17530703	Parp3	-0.657802705	0.005988921
17506631	Tubb3	1.384772563	0.005988921
17206203		-1.583835469	0.005988921
17202625		-1.683447817	0.005988921
17528673	Myzap	0.812957752	0.005991461
17311796	Ndufb9	0.627007294	0.005991461
17360427	Shoc2	0.525278077	0.006006144
17530457	Atp2c1	0.917904418	0.006013271
17278852	Mir382	0.976001091	0.006013414
17367334	4930426L09Rik	-0.782231743	0.006017196
17288302	Rsl1	1.56723735	0.006018214
17425276	Amd1	0.670557487	0.00601933
17464608	Gm9835	-0.738476091	0.00601933
17408422	Man1a2	0.856317489	0.00601933
17233069		1.257077568	0.00601933
17410424	Aimp1	0.490303155	0.006023679
17548973	Pten	0.562186155	0.006023679
17325919	Atg3	0.537255759	0.006023981
17267237	Ints2	0.961879265	0.006026349

17505995	Plcg2	-0.912530875	0.006026349
17509851	Zfp869	0.830434314	0.006026349
17391608	ldh3b	0.680968242	0.006029219
17230301	Gm16564	-0.694863438	0.006049401
17549358		-0.598768315	0.006054676
17549744		-0.598768315	0.006054676
17291904	Ssr1	0.55426659	0.006058034
17401902	Col11a1	-1.166705858	0.0060589
17261726	Fbl1	0.720641686	0.0060589
17270583	Nsf	0.815603018	0.006074624
17294761	Xrcc4	0.610227341	0.006079039
17392937	Sox12	-0.759239436	0.006084384
17468926	Aldh1l1	-0.650872565	0.006092129
17372354	Ssfa2	-0.73147373	0.006096781
17203427		1.073539536	0.006096781
17233061	Atg5	0.749909711	0.006098883
17238846		-1.147858898	0.006106547
17273984	Wdr35	0.796904106	0.006107301
17316700	Azin1	0.694398745	0.006113186
17243382	Gna15	-0.720578639	0.006113186
17237004		-1.029842024	0.006113186
17222193	Ankrd23	0.725039651	0.006116399
17421394	Gm13034	1.116333578	0.006116399
17550446	Rian	0.583462793	0.006116399
17410227	Ap1ar	0.773452525	0.006118411
17398863	Hdgf	0.67491611	0.006122252
17376508	Mir103-2	0.974729843	0.006122252
17488951	Zfp146	0.882074252	0.006122252
17308474		0.611708694	0.006122252
17538829		-0.897081937	0.006122252
17358011		1.04421214	0.006128043
17352882	Gm7665	-1.420468081	0.006131187
17493461	Aqp11	0.879822533	0.006138012
17395041	Bmp7	0.905650678	0.006142127
17292262	Tpmt	0.643371724	0.006166501
17278713	Mir136	1.565827857	0.00616835
17436345	Depdc5	0.680441412	0.006169499
17229166	Blzf1	0.625237023	0.006171347
17325991	Gm15640	-0.805008675	0.006171347
17213319	Snord11	-0.952069033	0.006171347
17281377	Trappc6b	0.537408794	0.006175089
17362689	Sdhaf2	0.558515397	0.006180536
17288780	Mctp1	-1.071177861	0.006185166

17395398	C330013J21Rik	1.181549795	0.006187474
17217639	Lad1	1.118444629	0.006191648
17354730	Slc26a2	0.844060967	0.006195237
17407979	Vps45	0.5807736	0.006195237
17277212	Zfp410	0.768536686	0.006195592
17409920	Abcd3	0.530183563	0.006203705
17531958	Stt3b	0.776592862	0.00620604
17550492	Gm11974	0.87434972	0.006207398
17351932	Pias2	0.81490205	0.006224459
17254188	Sfn3	0.789276047	0.006224459
17453496	Cldn4	1.04242558	0.006231444
17252800	Mettl16	0.653638754	0.006231444
17387473	Tmx2	0.558563704	0.006231444
17496973	Ate1	0.626866765	0.006244691
17269839	Coa3	0.824828067	0.006253286
17286796	Gm5082	1.076958318	0.006253286
17278759	Rian	1.276252347	0.006253286
17278715	Rian	0.541564463	0.006254341
17209621		-1.094099899	0.006255157
17384301	Fbxw2	0.710825062	0.006258119
17358517	Jak2	0.596928406	0.006258119
17209839		-1.222292679	0.006267491
17536519	Igfbp1	0.600346626	0.006269509
17416110	Mier1	0.81850447	0.006272291
17542948	Prrg1	0.847822452	0.006272291
17240484	Cep57l1	0.678561893	0.006283211
17322842	Ciita	-0.798851933	0.006283211
17379938	Cebpb	-0.871498907	0.006287454
17541693	Mir717	-0.687215231	0.006287454
17550578	ND5	-0.783906025	0.006287454
17531207	Ndufaf3	0.766631786	0.006287454
17551095		-3.388880367	0.006287454
17341706		1.388271758	0.006287454
17534621	Slc25a14	0.684256409	0.006297425
17329282	Tra2b	0.486712214	0.006297425
17261608	Gabrp	2.544919967	0.006299631
17323042	Bfar	0.662254877	0.006304116
17503942	Mt1	0.895614879	0.006304116
17499736	Defa25	-0.62700044	0.006305718
17459415	Igk	-1.029898205	0.006305718
17320614	Kif21a	0.814693405	0.006321559
17402001	Extl2	0.69201515	0.006326687
17524393	Zfp426	0.864933458	0.006326687

17248073		1.587691648	0.006326687
17201753		-0.727741268	0.006326687
17201929		-0.727741268	0.006326687
17224791	Cul3	0.54081218	0.006335019
17281126	Snx6	0.547577113	0.006335019
17466119	Mkrn1	0.513197003	0.006342504
17538781		-0.821006213	0.006342504
17312759	Cyth4	-1.091999163	0.006345298
17527727	2410076I21Rik	-0.77251692	0.006348668
17301890	Med4	1.333408028	0.006348668
17274412		1.125822435	0.006348668
17301968	Lcp1	-0.973247602	0.006366409
17335818	Slc37a1	0.761398886	0.006375609
17252626	Tax1bp3	0.655442653	0.006375609
17243330	Nfic	-0.895788426	0.006382381
17495088	Rnf141	0.888370573	0.006382381
17313998	Creld2	0.891992415	0.006384128
17369841	Fam102a	0.8228219	0.006384128
17228576	Fam20b	0.582640605	0.006384128
17233720	Ppa1	0.751036741	0.006384128
17370024	Rpl12	0.682521334	0.006384128
17537375		-1.184417178	0.006384128
17313433	Xrcc6	0.637100532	0.006414316
17351878	Zbtb7c	-0.840289772	0.006414316
17540521	Cfp	-0.976570372	0.006415725
17532569	Ccr1	-0.887360576	0.00641816
17266946	Ccl5	0.70936712	0.00642823
17280247	Gm19924	1.077017998	0.00642823
17529713	U2surp	0.579837732	0.006428525
17321217	Olfr283	-0.948625767	0.006438019
17476557	Krtdap	2.217809638	0.006440778
17505718	Pdpr	0.604672526	0.006440778
17221436	Sbspon	0.696739042	0.006440778
17286344	Wrnip1	0.687794281	0.006440778
17204131		1.653671236	0.006440778
17235835	Gm8290	-0.716092986	0.006442108
17467696	9130221F21Rik	-0.613254128	0.006452595
17256673	Psme3	0.56435206	0.006452595
17405082	Slc7a11	1.331584398	0.006452595
17538764		-0.704879756	0.006452595
17345318		1.082376619	0.006458383
17495667	Thumpd1	0.6713532	0.006469657
17544149	Hmgn5	0.701992984	0.006469761

17476752	Rhpn2	1.087100721	0.006470918
17522848	Azi2	0.649055881	0.006476236
17245188	Frs2	0.669028973	0.006476236
17475209		-0.857320905	0.006476236
17417090	Trabd2b	-0.974085566	0.006478386
17527977	Glce	1.039433949	0.006479966
17383148	Surf6	0.692579959	0.006487656
17285414	Gli3	-1.110351078	0.006491173
17356526	Ltbp3	-0.872419545	0.006491173
17464429	Ccdc91	0.545646893	0.006494108
17300373		1.259182807	0.006495561
17205613		-0.961042408	0.006495561
17222968	Pms1	0.51767623	0.006497599
17393051	8430427H17Rik	-0.601562741	0.006502673
17465238	Gpr37	0.863497887	0.006508334
17377778	Id1	0.849406177	0.006508334
17444295	Zfp12	0.993261528	0.006508334
17322475		-0.860988258	0.006508334
17308746	1200011I18Rik	0.624305833	0.006515824
17415570	Hook1	0.669064916	0.006515824
17348450		0.723507888	0.006515824
17203559		-0.750963623	0.006515824
17239845	Arg1	1.264642695	0.006517938
17289728	Depdc1b	0.761008666	0.006531216
17261730	Rars	0.607896924	0.006531216
17333872	Zfp160	0.879533251	0.006531216
17275029	Ankmy2	0.735833349	0.006541749
17535152	4933402E13Rik	1.304403271	0.006549197
17429933	Zc3h12a	-0.659039665	0.006549197
17475975	Ech1	0.579822415	0.006549929
17344497	Mrps18b	0.607063261	0.006549929
17319576	Nhp211	0.574973024	0.006549929
17549928	Sts	-0.64311477	0.006549929
17500401	Tti2	0.625140488	0.006549929
17383733	BC005624	0.724626217	0.00656351
17218349	Glul	0.924370501	0.006565981
17366812		1.126599754	0.006565981
17366848		1.126599754	0.006565981
17438882	Gm9958	0.836463078	0.006572367
17336595	Gpsm3	-0.790904602	0.006579332
17246299	Cdk2	1.600825303	0.006582319
17541339	Gm4987	1.102374101	0.006582319
17315789	Wdr70	0.669857317	0.006582319

17320189	Alg12	0.816643393	0.006596542
17291736	Serpinb6c	1.451000481	0.006605933
17485904	Cox6b2	-0.814104297	0.006615885
17514841	Smco4	0.661701336	0.006625679
17442925	Cct6a	0.561064533	0.006627684
17374632	Knstrn	0.64354989	0.006627684
17353143	Rprd1a	0.697432743	0.00663101
17409445	Prpf38b	0.880303719	0.00663674
17257534	Ddx42	0.70198357	0.006642178
17349607	Psd2	0.840733158	0.006644138
17451769	Prkab1	0.720692929	0.00664608
17438987	Cxcl1	-0.801310485	0.006653358
17525321		-0.673123466	0.006653358
17312186	Psca	0.955277491	0.006656307
17375694	Dtwd1	0.776407964	0.006657421
17516594	Slc37a4	0.774576892	0.006661327
17266534	Ksr1	-0.560071811	0.006663935
17272619	Socs3	0.669605422	0.006663935
17551111		-2.864800095	0.006663935
17204463		0.884179771	0.00667791
17514853	Slc36a4	0.985449985	0.006686599
17327201	Slc5a3	0.727350718	0.006691452
17449685	Sdad1	0.605901823	0.00669345
17323322	Yars2	0.812050729	0.006703917
17208433		1.008161614	0.006709551
17436151	Gpn1	0.723473449	0.006714047
17489399	Fxyd5	-1.181792218	0.006716506
17317210		0.52928736	0.006716506
17422732	Mxra8	-0.94414886	0.006723169
17418749	Smim12	0.634013062	0.006726392
17551107		-2.83102178	0.006728112
17232534	Frk	0.887701561	0.006738335
17268376	Gm11523	-0.637887988	0.006738335
17201205		-1.160235076	0.006738335
17263877	Prpsap2	0.663020354	0.006749013
17528663	Polr2m	0.497569024	0.006758469
17401660	Psma5	-0.775840748	0.006762925
17334304	Pkd1	-0.795461746	0.0067632
17544373	Pcdh19	0.534461128	0.006764186
17394772		1.423167893	0.006764777
17534135	Sowahd	-0.673000209	0.006766246
17534637	Rbmx2	0.57795327	0.006767171
17206269		-0.684724867	0.006769093

17326318	Abi3bp	1.290922433	0.006776779
17457775	Trbj1-2	-0.700792832	0.006791569
17208919		0.794296741	0.00680167
17299968		-1.052949023	0.00680167
17470580	Apobec1	-1.10351271	0.006805382
17431166	Lin28a	1.187920176	0.006805382
17501096	Cldn24	-1.312128926	0.006829461
17330506	Gramd1c	0.89385999	0.006829461
17245223	Lyz2	-1.677879505	0.006829461
17395389		-2.18252891	0.006829461
17279164		0.620310013	0.006829461
17282117	Plek2	0.730333581	0.006831962
17316345	0610007N19Rik	-0.606608488	0.00683852
17403126	Adh5	0.512776895	0.00683852
17301746	Lgi3	-0.6021744	0.00683852
17514988	Zfp846	0.88854573	0.00683852
17233737		0.686989679	0.00683852
17528418	Lactb	0.585709189	0.006842827
17250225	Jmjd4	0.581753169	0.006851892
17416234	Ppap2b	0.679091322	0.006851892
17287206	Iars	0.829154404	0.006856659
17363704	Rfx3	0.861034818	0.006857315
17247471	C1d	0.512349559	0.006867228
17365658	Xpnpep1	0.760887343	0.006867228
17520905	Slco2a1	0.778164324	0.006877708
17439021	Ereg	0.801905042	0.006896874
17358223	Gm9493	0.531610427	0.006896874
17220417	Susd4	0.814278215	0.006896874
17460994	Fgd5	-0.78916907	0.006898631
17238878		-0.715589141	0.006903986
17368853		-0.810378238	0.006903986
17242570		0.752263073	0.006905132
17280493		1.039399535	0.006917025
17454310	Gpc2	0.899662084	0.006926427
17333962	Gm10509	0.898953416	0.006928325
17325144	Ccdc14	0.587877521	0.006930088
17452709	Gpr81	-0.637577744	0.006930088
17524107	Panx1	0.896605411	0.006930088
17292922	Ddx41	0.698461667	0.00693196
17319684	Cyp2d37-ps	-0.595233395	0.00693331
17450017	Gm16227	-0.475814709	0.00693331
17463478	BC064078	0.699032369	0.006937097
17315763	Egflam	0.931592018	0.006937097

17223378	Ppil3	0.577816962	0.006944092
17525296	Barx2	0.963553682	0.006946902
17327255	Cbr1	0.529697203	0.006946902
17425401	Klf4	0.65866945	0.006946902
17353141	Mir187	-0.908798825	0.006946902
17285242		-0.947260735	0.006950116
17274308		-0.820493825	0.00695059
17214476	Des	-1.118013589	0.006951013
17233037		-0.929080127	0.006957066
17437404	Zcchc4	0.966778593	0.006963764
17276249	Ppm1a	0.558030952	0.006974028
17201637		-1.105477632	0.006976726
17412875	1700066J24Rik	-0.630906823	0.006983739
17446639	3110082J24Rik	-0.978596581	0.006983739
17244529	4930473O22Rik	-0.651065838	0.006983739
17498502	Ccnd1	-0.73300684	0.006983739
17332228	Rcan1	0.885670174	0.006983739
17297072	Rpp14	0.592825332	0.006983739
17422946	Vmn1r3	-0.660982319	0.006983739
17323075		0.768611715	0.006983739
17200097		2.233980937	0.006983739
17511112	Ccdc130	0.996570536	0.007001826
17301086	Sacs	-0.596390036	0.007012211
17482484	Uqcrc2	0.612402629	0.007015081
17480978	Lamtor1	-0.609144964	0.007016882
17351831	Snord58b	1.238206253	0.007020243
17470445	Atp6v1e1	0.560079923	0.007020632
17548757		-0.706355613	0.007020632
17306189	Hnrnpc	0.549348783	0.007024953
17282148	Vti1b	0.514797492	0.007029049
17210367		-1.151890274	0.007031386
17447615	Nsg1	1.047993654	0.007035697
17508165		0.734759392	0.007037342
17255081	Cox11	0.89054615	0.007058746
17521875	Slc25a20	0.782320559	0.007058746
17366780		1.0052575	0.007058746
17463597	5430401F13Rik	-0.669915499	0.00706009
17506661	Afg3l1	0.684525973	0.00706009
17310669		-0.967810836	0.00706009
17308475		0.731254513	0.007064952
17441622	n-R5s176	-1.006919823	0.007066241
17546222	Tmlhe	0.972353872	0.007066241
17357887	Olf1444	-0.936859398	0.007082104

17545947	Siah1b	0.983046264	0.007082104
17233613	Spock2	0.691174251	0.007082104
17350086		-0.707343082	0.007082104
17379503	Dnttip1	0.501862976	0.007088409
17534555	Sash3	-0.750505946	0.007088409
17547505	Col6a1	-1.228064774	0.007093955
17550625		-0.724160193	0.007108472
17351760	Myo5b	0.675271634	0.007112329
17467205	Nap115	1.193280335	0.007120216
17294518	Ankrd32	0.579668505	0.007120348
17400759	Acp6	0.572162078	0.007122864
17215251	Gigyf2	0.707077087	0.007122864
17300071	Trav16	-1.148565363	0.007122864
17229533	Gm7694	-0.572310052	0.007127612
17209881		1.40546834	0.007129765
17228544	Soat1	0.739407547	0.007168403
17406421	Arfp1	0.767459672	0.007170377
17205411		-1.13294692	0.007170377
17421168		-1.407631729	0.007178906
17398460	Map9	0.698956522	0.007181604
17359574		-0.861072439	0.007197876
17517001	Usp28	0.860778896	0.007209369
17345152	Cdc5l	0.636915287	0.007218585
17510261	Gm17576	1.387193519	0.007226567
17533462	Gm5382	-0.56123835	0.007226567
17432514	Oog3	-0.886934111	0.007226567
17248068		2.009436614	0.007226567
17457790	Tcrb-J	-1.501713264	0.007227328
17315395		0.701515362	0.007227328
17468469	Dusp11	0.511178462	0.007234228
17311428	Ebag9	0.685545904	0.007234228
17239401	Pex3	0.499015478	0.007234228
17226194	Ralb	0.777913111	0.007234228
17245665	Xrcc6bp1	0.746188364	0.007234228
17454944	Tecpr1	-0.646717186	0.007247072
17449731	Nup54	0.794952824	0.007265888
17408985	Prok1	-0.614962063	0.007265888
17274249	Pdia6	0.619507397	0.007267465
17528014	Fem1b	0.652780694	0.007268226
17365163		0.725166951	0.007270163
17349554	Matr3	0.466579319	0.007270263
17403439	Ddah1	0.561064235	0.007271127
17416685		1.579952039	0.007272389

17207589		0.845045818	0.00727481
17440054	A830010M20Rik	0.772355628	0.007275689
17277754	n-R5s65	-0.892445527	0.007279896
17252231	Rabep1	0.476177487	0.007294243
17267775	Utp18	0.795457352	0.007296066
17264906	Polr2a	-0.630742712	0.007315246
17454766	Rnf216	0.609121813	0.007315246
17464251	2010013B24Rik	-0.516123866	0.007318116
17384082	Slc2a8	-0.558647369	0.007329407
17302354		-0.596635993	0.007330002
17203905		1.024021946	0.007330002
17266370	Snord4a	1.060946552	0.007331492
17341702		0.625569047	0.007331492
17531932	Cmtm8	0.660216232	0.007344228
17467545		-0.899176308	0.007344228
17482366	Tmem159	0.701410489	0.007345398
17409386	Gpsm2	0.538509204	0.007346009
17225993	Rnf152	0.727894631	0.007346009
17431619	C1qa	-1.263462001	0.00734885
17249950	Cnot8	0.574803489	0.00734885
17501094	n-R5s96	-1.058617882	0.00734885
17203883		0.992845709	0.00734885
17206447		-1.04121782	0.00734885
17501208		-1.062428375	0.00734885
17235947	D10Wsu102e	0.850496538	0.007351137
17513281	Gm16118	-0.817236218	0.007351137
17224291	Usp37	0.746461012	0.007351137
17353183	Celf4	0.812802142	0.007359956
17245798	Kif5a	0.997182932	0.007359956
17550596	mt-Ta	1.063218817	0.007359956
17310452	Golph3	0.564648047	0.007373597
17404941	5430434I15Rik	-1.087984537	0.007380043
17389324	Emc4	0.577261806	0.007380043
17501588	Sh2d4a	0.674581167	0.007380391
17374722	Rad51	0.598438056	0.007391467
17381772		-0.887226235	0.007391467
17482733		1.040322713	0.007391467
17436574	Rnf4	0.64483057	0.00739302
17335017	Syngap1	-0.829097528	0.00739302
17415236	Gm12631	-0.782737643	0.007395379
17296115	Rab3c	1.061222998	0.007395379
17514826	Taf1d	0.823796631	0.007395379
17518644	Csnk1g1	0.682989407	0.007404137

17518991	Bnip2	0.677020831	0.007405575
17283936		1.231155143	0.007405575
17202093		-1.227911382	0.007407478
17226387	Dpp10	0.917750077	0.007415817
17258155	Otop2	-0.684598443	0.007416805
17379683	Slc2a10	-0.633503102	0.007416805
17538813		-1.096835859	0.007416805
17205775		0.827970289	0.007419677
17523705	Gria4	0.669072	0.007431504
17525363	Foxred1	0.864651206	0.007435783
17482332	2610020H08Rik	0.666542204	0.007439422
17381283	Prpf18	0.64600501	0.007441172
17342897	Srpk1	0.657378915	0.007451396
17247039	Aebp1	-0.816345849	0.007451899
17538222	Col4a5	-1.114040847	0.007461035
17394795	Kcng1	0.753475479	0.007472056
17489571	Scgb2b27	-0.794584713	0.007472056
17469786		-1.232285492	0.007472056
17538785		-0.876606249	0.007472056
17449628		0.686012422	0.007472056
17273899	1110057K04Rik	0.698192497	0.007472153
17440633	Mn1	-0.711343155	0.007472153
17478435	Ano5	-0.632524225	0.007480822
17241623	Reep3	0.890033787	0.007495731
17495300		0.870521824	0.007495817
17349365		-1.423749283	0.007500816
17360675	Trub1	0.566924761	0.007503373
17270682	1700052K11Rik	0.675070662	0.007512218
17418857	Phc2	-0.488751108	0.007512218
17216809	Rab3gap1	0.606226741	0.007525557
17284408		-1.12940848	0.007528606
17300984	Cab39l	0.602466577	0.007552397
17375257	Ckmt1	0.700768398	0.007552397
17524895	Elavl3	1.328923788	0.007552397
17500532	Gm4889	-1.042911694	0.007552397
17331533	Hspa13	0.803833649	0.007552397
17366511	Phyh	0.575400533	0.007552397
17492237		-0.626795877	0.007552397
17208475		-1.619400372	0.007555476
17397990	Mme	1.07611091	0.007555639
17356344	Brms1	0.624088858	0.007557671
17357910	Olfr1463	-1.081920946	0.007587794
17226232	Ptpn4	0.615044466	0.007592877

17393549	Gm14169	-0.708795998	0.007594813
17255534	Hoxb13	-0.703515977	0.007594813
17484014	Acadsb	0.612860766	0.007595633
17242326	Gm19668	-0.657830963	0.007595633
17549232		-0.766467653	0.007610766
17450049	Tmem150c	0.705730906	0.00761776
17493689	Slco2b1	-0.645654447	0.007633321
17491853	Tjp1	0.588828541	0.007641373
17495677	Eri2	0.655614587	0.007645389
17202217		1.323379856	0.007649087
17296572	Gm3558	0.767187289	0.00765156
17234363	4933407G14Rik	-1.001611758	0.0076574
17526464	Cd3e	-0.635746366	0.0076574
17414554	Prpf4	0.805935422	0.007661958
17350740	Lmnb1	0.81520384	0.007662022
17357413	Gm6445	1.003606084	0.007671227
17487325	Relb	-0.538312808	0.007685649
17389481	Arhgap11a	0.923899352	0.007694841
17353541	Etf1	0.65852924	0.007694841
17264046	Fam211a	-0.517829105	0.007694841
17319989	Ldoc1l	0.932917732	0.007694841
17412534	Lym2	0.829070402	0.007694841
17550100	Mir669a-1	1.143946416	0.007694841
17550102	Mir669a-1	1.143946416	0.007694841
17550104	Mir669a-1	1.143946416	0.007694841
17550106	Mir669a-1	1.143946416	0.007694841
17550108	Mir669a-1	1.143946416	0.007694841
17550110	Mir669a-1	1.143946416	0.007694841
17550112	Mir669a-1	1.143946416	0.007694841
17550114	Mir669a-1	1.143946416	0.007694841
17550116	Mir669a-1	1.143946416	0.007694841
17550118	Mir669a-1	1.143946416	0.007694841
17550120	Mir669a-1	1.143946416	0.007694841
17550122	Mir669a-1	1.143946416	0.007694841
17550128	Mir669a-1	1.143946416	0.007694841
17357790	Olfr235	-0.643706699	0.007694841
17238394	Pan2	0.974813905	0.007694841
17407764	Prune	0.63971308	0.007694841
17523161	Slc25a38	0.562750911	0.007694841
17378856	Snhg11	-0.664333439	0.007694841
17525653	Spa17	0.713967832	0.007694841
17484101		0.535889146	0.007694841
17468529		0.796968696	0.007694841

17204011		-0.831507642	0.007704841
17548717	Gm3601	-0.939179653	0.007706723
17473091	Amn1	0.679412322	0.007707229
17368387		-1.738339623	0.007707229
17479911		-1.012342479	0.007707229
17309535		0.534177371	0.00770725
17513297	Cdyl2	-0.639559568	0.007708842
17445543	Crot	0.738771614	0.007708927
17546101	Tlr8	-1.116262478	0.007708927
17423923	3110043O21Rik	0.644171256	0.007711431
17454408	3110082I17Rik	0.552281045	0.007711431
17262812	4933405E24Rik	-0.655381876	0.007711431
17405513	Dhx36	0.645580391	0.007711431
17211087	Gm15818	-0.682614871	0.007711431
17520971	Gm16252	-0.62790218	0.007711431
17548238	Gm3601	-0.871425024	0.007711431
17467430	Igkv4-72	-0.950415876	0.007711431
17511389	Itfg1	0.5229115	0.007711431
17324583	Opa1	0.523525543	0.007711431
17391971	Pcna	0.480613102	0.007711431
17241582	Sirt1	0.661984296	0.007711431
17241765	Tfam	0.68227736	0.007711431
17272605	Tha1	-0.510916141	0.007711431
17251516		-0.760138821	0.007711431
17421997		-0.707650226	0.007711431
17238482	Rnf41	0.585811278	0.00771513
17351913	Skor2	0.625126375	0.00771513
17221662	Tram2	0.725502714	0.00771513
17345321	Polh	1.100208125	0.007715929
17326250	Zbtb11	0.604783458	0.00772258
17486489	Zscan4d	-0.615920606	0.007729557
17366141	Prdx3	0.589617554	0.007736109
17239597	Tnfaip3	0.555356249	0.00774275
17439184	Ccng2	0.552516555	0.007746402
17365511	Col17a1	0.844374006	0.007746402
17322473		-0.591941007	0.007756438
17369679	Prrc2b	-0.717934123	0.007772698
17486216	Vmn2r32	-0.499876152	0.007791344
17291131	Abt1	0.702077003	0.00779866
17427814	Ttc4	0.666574145	0.007804533
17361580	Tsga10ip	-0.762308956	0.007808691
17210505		1.748769063	0.007818366
17495304		0.747333267	0.007818366

17251898	Mir324	-0.84936717	0.007820167
17290031		-0.696594325	0.007820167
17293841		-0.684467549	0.007820167
17235694	Tbxa2r	-0.610499593	0.007831651
17506571	Zfp276	0.501781988	0.007831651
17279152		0.664615065	0.007831651
17371059	March7	0.545192319	0.007841348
17551147		-1.465962806	0.007841348
17329692	Lsg1	0.624297273	0.007843845
17476872	1600014C10Rik	0.642007923	0.007847283
17458692	Chn2	0.940603793	0.007847283
17286707	Gcnt2	0.867907695	0.007847283
17408024	Fcgr1	-0.999015367	0.007866514
17210447		-0.588935902	0.007879367
17363572	Tjp2	1.147220189	0.007879724
17296355	ltga2	0.55652367	0.007884085
17468712		1.152041715	0.007884085
17262013	Gm12158	-0.528852354	0.00788773
17519282	Rab27a	0.872271607	0.007896218
17207275		1.304322087	0.007896218
17535018	Htatsf1	0.822024219	0.007901532
17459297		-0.537518191	0.007911313
17210531		-1.267754455	0.007912489
17396334	Rprl2	-1.075323924	0.007918351
17262277	Cnot6	0.637521775	0.007929928
17274540	Rrm2	0.774288009	0.007929928
17538787		-0.578695325	0.007929928
17321823	Krt80	0.690686726	0.007931885
17289085	Dhfr	0.624668568	0.007933712
17223985	Ikzf2	0.917579305	0.007935002
17381911	Nsun6	1.066481979	0.007941559
17528800	Unc13c	-0.925623675	0.007941559
17223353	Clk1	0.958807813	0.007943286
17526305		-1.677650499	0.007957434
17507462	Ankrd10	0.71192719	0.007960875
17313091	Smcr7l	0.903407528	0.007960875
17209715		1.229371504	0.007960875
17413649	Dcaf10	0.656516716	0.00796635
17271984	Slc25a19	0.788533339	0.007974294
17517031	Zw10	0.707670551	0.007985853
17517416	Crabp1	1.531678796	0.007987809
17403025	LOC637657	0.737613272	0.007987809
17348054	Mettl4	0.631580474	0.007987809

17367531	Mir3967	0.764011952	0.007987809
17542070	Mir883b	-0.767054362	0.007987809
17361915	Mrpl49	0.928683218	0.007987809
17391434		-0.7776708	0.007987809
17211396	Tmem14a	0.795346722	0.007987946
17520932	Topbp1	0.805206006	0.007988441
17282019	Mir5135	-0.90008192	0.007991019
17248380	Lcp2	-1.28366976	0.008076444
17523985	4930568E12Rik	-0.832102537	0.008083981
17437963	C330024D21Rik	1.12155716	0.008083981
17497058	Cpxm2	1.063061534	0.008083981
17426915	Gm10154	0.778253185	0.008083981
17241013	Mcu	0.887019698	0.008084812
17362904	Ms4a13	-0.631252528	0.008084812
17453304	Gtf2i	-0.690150868	0.008086003
17224071	Fn1	-0.662536941	0.008098865
17376124	Slc20a1	0.825117245	0.00810979
17209019		0.882499967	0.00810979
17454049	Gnb2	-0.541262596	0.008113277
17527373	Scaper	0.834404446	0.00811602
17366936	Mir466l	1.185117728	0.008120555
17445193	Pds5b	0.65091863	0.008120555
17491642	Snord107	1.056998901	0.008120555
17238874		-0.876531139	0.008120555
17412860	Ubap1	0.729353926	0.00813891
17231066	Dtl	0.726760223	0.008143817
17332166	Donson	0.979406262	0.008146053
17449456	Grsf1	0.520837972	0.008146053
17464238	Lym5	0.552285467	0.008149217
17392578	Napb	1.597328371	0.008149217
17307433	Tnfrsf19	0.97766178	0.008149217
17384983		-0.749710906	0.008149217
17408384	Wdr3	0.690689755	0.00814934
17269921	Brca1	0.82140491	0.008175314
17210657		-1.453182312	0.008175314
17329105	Abcc5	0.718564307	0.008182039
17469473	Shq1	0.877034075	0.008184258
17255352	Dlx3	0.736283936	0.00819736
17203079		1.677120713	0.00819736
17205791		-0.882446582	0.008202464
17493292	Tmem126a	0.706785875	0.008207661
17286670	Snrnp48	0.589931876	0.008210756
17315570	Nckap1l	-1.30868655	0.008213442

17407850	Ecm1	-0.832156972	0.008216854
17487805	Atp1a3	1.303183455	0.008216886
17354589	Gm4841	-0.673502451	0.008223259
17547702	Tmx1	0.661005642	0.008223259
17337491	Znrd1as	1.071120564	0.008223259
17538809		-1.512040046	0.008223259
17495303		0.743713249	0.008223259
17385719	Dpp4	1.326288288	0.008225031
17550687		-1.064622611	0.008225446
17464210	Lrmp	-0.607307522	0.0082384
17235843	AU041133	0.622424759	0.008260497
17521673	Rhoa	0.469887563	0.008260497
17539548	Piga	0.784803635	0.008261158
17467144	Vmn1r7	-0.844288538	0.008261158
17249726	Rapgef6	0.670452869	0.008273115
17494101	Trim21	0.537039436	0.008277341
17514936	Zfp317	0.932651537	0.008278025
17500814	Triml2	0.9442422	0.008278546
17465484	Ube2h	-0.551212777	0.008283129
17498663	C330021F23Rik	0.787763943	0.008284606
17221490	Ube2w	0.585838164	0.008289157
17256632	Wnk4	0.685330641	0.008301748
17368373	Rpl7a	0.72099103	0.008316647
17549254	A530079E22Rik	-0.544855891	0.008322227
17549326	A530079E22Rik	-0.544855891	0.008322227
17457892	Casp2	0.973103017	0.008322227
17427563	Itgb3bp	0.649014126	0.008322227
17358891	Pcgf5	1.020182782	0.008322227
17222679	Tex30	0.64467761	0.008322227
17470616	C3ar1	-1.12865141	0.008322717
17304246	Appl1	0.499843099	0.008326608
17287794	Gm10782	-0.525576739	0.008329045
17526776	Ncam1	-0.980405901	0.008329045
17406760	Sema4a	0.691601883	0.008329045
17319801	A4galt	0.87402867	0.008333239
17482160	Ccp110	0.766985708	0.008333239
17339801	Crim1	0.512107272	0.008333239
17291964	Eef1e1	0.61869745	0.008333239
17279962	Gen1	0.797688799	0.008333239
17528546	Gm19304	-0.696705454	0.008333239
17488073	Gm4613	-0.685215697	0.008333239
17327972	n-R5s30	-1.218966767	0.008333239
17545420	Ribc1	0.841611789	0.008333239

17284447		-1.052532781	0.008333239
17210849		-1.27392647	0.008333239
17309557	Slc15a1	0.894665476	0.008346469
17513380	Sdr42e1	0.760946527	0.008357007
17261035	Ahsa2	0.662001356	0.008360631
17540420	Fundc1	0.75038081	0.008363536
17212821	Ormdl1	0.680199751	0.008363536
17229729	Nit1	0.608904475	0.008374023
17248426	Slit3	-0.884359173	0.008374023
17201099		1.453459072	0.008374023
17514399	Gucy1a2	-0.58701053	0.008378055
17260357	H2afv	0.62488472	0.008379555
17402155	Cnn3	0.480664555	0.008389518
17531900	Cnot10	0.612940094	0.008390341
17517289	Exph5	0.619883455	0.008396606
17369296	Tor1b	0.771315369	0.008399372
17279150		0.572281535	0.008415092
17506356	Zfpm1	-0.851686948	0.008421296
17310187	Nadk2	0.722035112	0.008456204
17486173	Clcn4-2	0.843792532	0.008459288
17381235	Hspa14	0.594667372	0.008467952
17388212	Gm17281	-0.745989977	0.008472321
17495988	Arhgap17	0.598432461	0.008485528
17398611	Pet112	0.487989079	0.008485528
17203331		0.920887422	0.008485528
17548137	Gm16495	-0.664340633	0.008486996
17206455		-1.765806491	0.008488308
17303088	Gm6337	1.189665141	0.008496953
17530798	Rbm15b	-0.616086785	0.008500032
17273140	Gm11788	-0.562833899	0.008501121
17221184		-0.659642995	0.008501121
17376183	Stk35	0.590336779	0.008506446
17447868	Tapt1	0.680796457	0.008506446
17426791	Zdhhc21	0.577553377	0.008506446
17479354	Abhd2	0.675568077	0.008507235
17312997	Gm16059	-0.579791142	0.008507235
17248635	Pwwp2a	0.626878546	0.008515974
17427164	Elavl2	0.554842525	0.008530643
17232187	Taar7b	-0.531414306	0.008530643
17208363		-0.957259777	0.008530643
17380464	2210418O10Rik	0.686932328	0.008530684
17344387	Gtf2h4	0.607826763	0.00854448
17450157	Helq	0.55249407	0.00854504

17297537	Plau	-0.9000829	0.008545749
17404071		-0.606978124	0.008545749
17370575	Gm13476	-0.815293222	0.008545967
17515675	Gm15606	-0.533452404	0.008545967
17204577		1.175372278	0.008550062
17441526	2410131K14Rik	0.486411308	0.008562105
17257058		0.566677204	0.008569445
17530233	Srprb	0.629445949	0.008571119
17304794	Hacl1	0.507580757	0.008576311
17302586	Gm4664	-0.631882203	0.008589009
17526707	Zbtb16	0.797060376	0.008598808
17206497		1.451647061	0.008598808
17522280	Gm10615	0.7125501	0.008600277
17413403	Npr2	-0.747101405	0.008600277
17203223		1.103341952	0.008601742
17300231	Traj8	-0.837987143	0.008604918
17498947	4833411C07Rik	-0.594909004	0.008617017
17277300	D030025P21Rik	-0.711342914	0.008617017
17206687		0.820091472	0.008624988
17413206	1700022I11Rik	-0.565562778	0.00863265
17381256	Gm13185	-0.664249135	0.00863265
17518298	Rpl4	0.448075396	0.00863265
17223685	Ndufs1	0.63183956	0.008634813
17230916	Pdcd5	0.503933911	0.008634813
17262798	Pdlim4	-0.585674938	0.008634813
17520638	Copb2	0.581123876	0.00863785
17355558	Siglec15	-0.579674592	0.008644222
17353171	Gm9960	0.533371204	0.008645575
17479892	Hnrnpk	0.443744081	0.008645575
17328933	Mir185	-0.699942471	0.008650518
17303695	2700060E02Rik	0.531493411	0.008656266
17238638	Olf9	-0.989662822	0.008657024
17549548	Cmas	0.872925756	0.008659045
17549704	Cmas	0.872925756	0.008659045
17533469	Cypt1	-1.658658171	0.008659045
17472530	Kcnj8	0.636285852	0.008660355
17493685	Gm4980	0.992366173	0.008662467
17547594	Gh	-0.635970044	0.008706603
17530231	Rab6b	0.90753867	0.008706603
17443114	Rfc2	0.699088581	0.008706603
17543290	Arhgef9	0.855995701	0.008724673
17436171	Slc4a1ap	0.503251512	0.008731969
17530291	1300017J02Rik	0.690342919	0.008732297

17309154	Kctd12	-0.757035941	0.008732556
17288992	Edil3	1.098635104	0.008747918
17523852	Birc2	0.539320236	0.008753412
17319539	Phf5a	0.80853592	0.008753412
17534593	Bcor1	-0.493373474	0.008754179
17229988	Cadm3	0.79455332	0.008754179
17462905	Lpcat3	0.604751573	0.008754179
17534335	Mir3110	-0.626180708	0.008754179
17544904	Rbm41	0.608078828	0.008754179
17478521	Tubgcp5	0.890292482	0.008754179
17209183		0.734733892	0.008754179
17206479		0.942849805	0.008754179
17268634		0.664353533	0.008754179
17341695		0.638121971	0.008754179
17357227		0.802058009	0.008754179
17549068		-0.794642359	0.008754179
17502039	Rab3a	0.652676264	0.008759905
17534569	Utp14a	0.74450969	0.008759905
17336655	Fkbpl	0.876642585	0.008773386
17313836	Atxn10	0.483313939	0.008782703
17306362	Prmt5	0.600695509	0.008782703
17523457	Tcaim	0.700370797	0.008791269
17372052	Gm20440	-0.842882225	0.008810496
17212318	Mrps9	0.546471219	0.008810496
17496806	Prss8	1.049543542	0.008810496
17395131	Mir298	-1.050799347	0.008815156
17299613	Vmn2r88	-0.657691409	0.008832079
17408442		-0.717988886	0.008832079
17308349	Polr3d	0.655599419	0.008833029
17210121		-1.121461741	0.008833029
17462998	Zfp384	0.580237199	0.008833999
17383246	Gm13399	-0.751851271	0.008848845
17354263	Fem1c	0.515891081	0.008859362
17341690	Pdpk1	0.496825482	0.008863324
17418976	Sync	-0.929421655	0.008869958
17325861	Cd200r1	-0.905651431	0.008871031
17219488		-0.614423394	0.008871031
17264295	Adprm	0.631857213	0.00888403
17433151	Nmnat1	0.728505617	0.008886169
17284568		-0.98737011	0.008886169
17480763	Rab6a	0.612802134	0.0088993
17468828	Plxna1	-0.644983002	0.0089052
17401725		-1.08713776	0.0089052

17269769	Fam134c	0.621576706	0.008906618
17498370	Nadsyn1	0.795908681	0.008906618
17500832	Fat1	-0.687774561	0.00891
17433656	5930403L14Rik	-0.641586754	0.008910048
17233742		0.554792053	0.008910048
17412653	Rars2	0.589884177	0.00892817
17462180	Zfp239	0.731217026	0.00892817
17483325	Fbrs	-0.638698287	0.008931969
17351559	Ldlrad4	-0.81704606	0.008931969
17528863	Tmod2	0.687732687	0.008931969
17526683	Rbm7	0.607404679	0.008935783
17329298	Etv5	-0.79376473	0.008945257
17291780	Tubb2b	0.815108819	0.008948309
17321761	Smagp	0.748511165	0.00895431
17471166	Ndufa9	0.552942697	0.008969793
17245383	Helb	0.533067456	0.008970991
17542364	Bgn	-0.65485844	0.008972453
17454082	Pcolce	-0.729455975	0.008972453
17485910	Fam71e2	-0.679908131	0.008977653
17259902	Slc35e4	-0.572862446	0.008977653
17218277	Nmnat2	0.638541245	0.008978358
17467742	Vamp5	-0.922633848	0.009001043
17283685	Gsc	-0.98161488	0.009001952
17305789	Dlgap5	0.603659139	0.009004654
17523990	Jrkl	0.636006043	0.009004654
17507673	2610019F03Rik	0.460635265	0.009005522
17235941	Chst11	-0.772132542	0.009005522
17522761	Dync1li1	0.577266379	0.009011957
17296979	Gm10340	1.333196213	0.009020232
17266079	Glod4	0.692388513	0.009023491
17539914	Pqbp1	0.561211335	0.009023491
17225893	Ppip5k2	0.670962333	0.00902595
17445458		-0.824009062	0.00902595
17326541	Vgll3	-0.680190428	0.009026071
17287891	Hnrnpk	1.49498984	0.009026286
17446767	Cgref1	0.696052134	0.009026762
17327765	Coro7	-0.504028158	0.009028712
17325438	Hcls1	-0.975144851	0.009028712
17438324		0.643958539	0.009028712
17257906	Map2k6	1.020050581	0.009028806
17355026	Atp8b1	0.889493709	0.00902915
17332084	Paxbp1	0.650190447	0.009046157
17338378	Trem14	-0.593260139	0.009058094

17520396	Slc9a9	-1.072668476	0.009059397
17473177	Prpf31	0.807255183	0.009062123
17335902	Rrp1b	0.737304334	0.009071449
17520560	Tfdp2	0.589310312	0.009071797
17260869	Slc1a4	1.006522111	0.009088891
17367978	Npdc1	-0.525092899	0.009089671
17320307	Mapk12	-0.701122072	0.009097994
17446068	Pus7	0.545629337	0.009097994
17378754	Ctnnbl1	0.661433812	0.009105955
17346175	D17Wsu104e	0.867376165	0.009128578
17309345	Gm6219	-0.566791842	0.009129468
17404750	Mccc1	0.613453911	0.009129468
17222549	Rnf149	0.750437917	0.009129468
17243717	Syn3	0.805343968	0.009130194
17548981	Cox7b	-0.90694364	0.009143789
17295960	Cwc27	0.600907478	0.009143789
17382972	Sdccag3	0.488472399	0.009143789
17307157	Xpo4	0.558779761	0.009143789
17363559	Fam189a2	0.955536566	0.009153179
17418540	Stk40	0.595978291	0.009156606
17298620	1810011H11Rik	-0.82874227	0.009157249
17525240	St14	1.112836426	0.009157249
17466768	LOC100045191	0.523307141	0.0091599
17435503	1700096K18Rik	0.827188728	0.009169758
17317056	Enpp2	1.114662196	0.009169758
17277270	Lin52	0.577971287	0.009169758
17278840	Mir376a	0.624348309	0.009169758
17429659	Ppie	0.648285043	0.009169758
17257502	Taco1	0.548802195	0.009169758
17470417	Ccdc77	0.885989005	0.009171771
17461330	Lrn1	1.334675852	0.009171771
17386714	Ttc30b	0.654946408	0.009171771
17470779	Emg1	0.542507314	0.009171914
17431496	Pnrc2	0.51103711	0.009171914
17203327		0.858827978	0.009171914
17346990	Smchd1	0.596883358	0.009182307
17275296		-0.793291371	0.009182307
17384567	Olfr355	-0.625505941	0.009204359
17201057		0.662467242	0.009204359
17458465	Ccdc126	0.63208999	0.009214806
17521485	Mst1r	-0.985767196	0.00922014
17470093	4933440N22Rik	-0.920702901	0.009226807
17390823	Slc30a4	0.509105908	0.009226807

17266563	Wsb1	1.010703266	0.009243296
17405688	Ccnl1	0.641544205	0.00924537
17262887	Anxa6	-0.712937166	0.009250196
17519910	Ttk	0.76165075	0.009255563
17216998	Eif2d	0.589508571	0.009258679
17325904	Ccdc80	-1.064084947	0.00925992
17470820	Grcc10	-0.566287523	0.00925992
17551087		-3.533530339	0.00925992
17200147		1.297844758	0.009266228
17414802	Pappa	-1.185568671	0.009266788
17239751	Rps12	0.779424257	0.009268625
17379808	Cse1l	0.534693701	0.00928122
17325553		-0.578833782	0.00928122
17346812		0.571359943	0.009287889
17245361	Gm16320	-0.5668089	0.009311572
17548514	Suclg2	0.535740006	0.009311572
17524914	Ecsit	0.50315501	0.009312403
17323457	Serpind1	-0.882316783	0.009320743
17252065	Gltpd2	-0.666251521	0.009321109
17545291	Tmem29	0.71085048	0.009321109
17372759	Olfr1014	-0.720500187	0.009321712
17509642	Klhl2	0.811421265	0.009327567
17455401	Slc7a1	0.907783161	0.009327567
17487833	Grik5	-0.728041323	0.009331459
17404835	Bbs7	0.98937575	0.009342327
17469936	Tmem40	0.628437075	0.009342327
17321179	Olfr288	-0.545517678	0.009349005
17222026	Zfp451	0.624455967	0.009397589
17281565	Gm9887	-0.873632498	0.009397929
17418168	Nt5c1a	-0.565293285	0.00940877
17518526	Clpx	0.694198714	0.009420926
17249787	Gpx3	0.566177338	0.009421905
17468714		0.69779855	0.009426603
17326438	Cldn25	0.515673088	0.009450949
17525955	Sc5d	0.752795129	0.009456306
17502157	Ocel1	-0.514666312	0.009463633
17521091	Aste1	0.951127228	0.009470464
17518331	Tipin	0.732154843	0.009500015
17271757	Gm11711	-0.616098046	0.009522786
17232244	Med23	0.701183527	0.009559547
17496376	Coro1a	-0.793039295	0.009561434
17526081	Tmem136	0.752234165	0.009562524
17245214	9530003J23Rik	-0.685556356	0.009565725

17477322	Klk1b26	-0.983447358	0.009565725
17238844		-0.713708916	0.009565725
17230715	Hlx	-0.934984951	0.009574528
17541901	Rbmx	0.612497759	0.009574528
17542249	Pnma5	0.591525934	0.009580793
17237217	Gm5428	0.537946122	0.009581716
17290997	Hist1h2bl	-0.542553774	0.009618201
17214685	Acsl3	0.962818594	0.009626352
17333092	Sft2d1	-0.521592932	0.009626352
17505863	Vat1l	1.29005018	0.009626352
17421074	Hspb7	-1.47743303	0.009628596
17329034	Olfr167	-0.750327219	0.009631377
17244737	Ptprq	-0.998294548	0.009631377
17534739		-0.533823717	0.009631377
17341679		-0.816246665	0.009631377
17392670	Zfp345	0.682122475	0.009647163
17365690	Gm10197	1.333663881	0.009655385
17309070	Dis3	0.601936326	0.009660465
17238882		-0.539353406	0.009664451
17228825	Klhl20	0.653517161	0.009670312
17548324	Anp32b	0.465955135	0.00968528
17214197	Slc11a1	-1.186238198	0.00968528
17290939	Pgbd1	0.689727321	0.009689622
17247485	2900053O20Rik	0.52050965	0.009696476
17551135		-1.542972889	0.009696476
17507693	C030037F17Rik	-0.563723899	0.00969733
17228136	Lamc2	0.66770466	0.009698534
17425181	Tex10	0.579974395	0.009698534
17338043	Yipf3	-0.56126126	0.009698534
17433221	Slc25a33	0.609028303	0.009700663
17415219	Acer2	0.734230087	0.00970126
17487905	Pafah1b3	0.5033015	0.009702557
17340411	2700099C18Rik	0.78528719	0.009713846
17352997	Trappc8	0.463922607	0.009716636
17201657		-1.101001496	0.009716636
17548750	Cryab	-0.843368454	0.009723169
17299313	Gm15562	-1.290202914	0.009723169
17438823	Dck	0.645761268	0.009734845
17503948	Nup93	0.603816097	0.009737861
17327311	Morc3	0.42651466	0.009748265
17328425	Ube2v2	1.114044017	0.009748265
17283935		0.647252655	0.009748265
17294416	Zfp825	0.804661986	0.00974893

17316179	Fbxl7	-0.683488456	0.009767282
17283970	mmu-mir-409	-0.836425763	0.009767282
17366902	Mir669c	0.87297376	0.009784369
17477774	Hrc	-0.52282975	0.009785936
17272019	Caskin2	0.695212011	0.009797957
17493034	Gm6155	-0.708131288	0.009797977
17222396	Mitd1	0.688871027	0.009797977
17208675		0.643520437	0.009797977
17325261	Hspbap1	0.765338414	0.009798126
17217887	4930596I21Rik	-0.59442014	0.009821691
17464915	B630005N14Rik	0.522226451	0.009822576
17283028		1.21908257	0.009822576
17274092		-0.536682302	0.009822576
17250935	Gm12299	-0.556039128	0.009824186
17207229		-1.051146864	0.009824186
17330684	Tagln3	0.601609486	0.009836375
17259870		0.483281845	0.009838187
17476773	Cep89	0.691267355	0.00984589
17511868	Fam192a	0.545086248	0.00984589
17299663	Slc39a2	0.955348198	0.009853259
17522870	4933432G23Rik	-0.564202855	0.009858906
17411216	Fam73a	1.034814438	0.009860234
17403070	Adh1	0.817150458	0.009885204
17379942	A530013C23Rik	-0.580620905	0.009886803
17438530	Lphn3	1.069098567	0.009886803
17345830	Daam2	-0.967838931	0.00989019
17255999	ErbB2	0.609023051	0.009899451
17447110	Nkx1-1	-0.699579268	0.009909621
17358503	Rcl1	0.52033989	0.009909621
17496920	Mcmbp	0.731789785	0.009915575
17460941	Slc6a6	-0.615390743	0.009926647
17514122	2810004N23Rik	0.956085491	0.009933306
17200597		2.20069663	0.009933306
17328484	Dnm1l	0.535735271	0.009950363
17488933	Zfp82	0.690824577	0.009952954
17337110	H2-Q5	-0.688279526	0.00996644
17501427	Cbr4	0.533125752	0.009970286
17327544	Bace2	0.692064288	0.009972809
17388252	Zfp408	0.657649986	0.009975732
17202487		-0.784870237	0.009977015
17476565	Gm17077	0.692368592	0.009982752
17499728	Gm21002	-0.578981927	0.009982752
17518314		1.212304213	0.009982881

17303353	Gm10340	0.981182659	0.009985301
17481916	Parva	-0.533765736	0.009997457
17529227		-0.584383487	0.010005096
17403148	Eif4e	-0.572878672	0.010008906
17243953	n-R5s79	-0.646950103	0.010008906
17430628	Gm10570	-0.865946027	0.010012146
17401296	Rsbm1	0.591466764	0.010012146
17499796	Gm15315	-0.866416546	0.010015188
17412144	Usp45	0.659713188	0.010021034
17515577	Ncapd3	0.651483011	0.010025016
17516621	Bcl9l	-0.510728965	0.010035467
17420486	Ddost	0.654447136	0.010056225
17420347	Ece1	-0.893110937	0.010065948
17481630	Olfr508	-1.151701003	0.010065948
17493137	Olfr303	-0.421151633	0.01007436
17473765	Zfp110	0.84063548	0.010078443
17216120	Gm9994	-0.521633603	0.010086315
17208009		-1.672758873	0.010087479
17479371	Fanci	1.031732802	0.010098677
17325291	Kpna1	0.687165956	0.010098677
17279317	A530016L24Rik	-0.564520359	0.010100254
17431332	Man1c1	-1.165671214	0.010118319
17204673		1.346709387	0.010118714
17484094	Zranb1	0.54016046	0.010128026
17203953		0.913420925	0.01014688
17278783	AF357428	0.855322593	0.010149151
17242558	Ccdc105	-0.663936355	0.010149151
17234468	Zfp280b	0.635930752	0.010149151
17209539		-1.201050276	0.010149151
17207075		-1.07152707	0.010164585
17439978	Cdc7	1.111548884	0.010169291
17323069		0.558696262	0.010173769
17508380	Letm2	0.724668332	0.010185898
17429449	Foxo6	-0.586927216	0.010186767
17221360	Lactb2	0.484791324	0.010186767
17238836		-0.79007068	0.010186767
17335567	Rnf8	0.526408297	0.010197012
17396823	Fxr1	0.498171154	0.010201208
17259078	Rnf213	-1.411514352	0.010204474
17529679	Zic1	1.28898795	0.010204474
17349433	Kif20a	0.834454794	0.010208401
17520490	Atr	-0.607259532	0.010221421
17449527		-0.885292976	0.010227379

17426942		-0.947319319	0.010227494
17510793	Smarca5	0.692489684	0.010250022
17239074	Katna1	0.485573092	0.010255083
17305813	Atg14	0.57545327	0.010259611
17233565	Micu1	0.764021201	0.010259611
17417146	Pdzk1ip1	0.696895967	0.010263184
17515478	Bmper	0.658695141	0.010270717
17275223	Immp2l	0.703310622	0.010270717
17363505	Smc5	0.504363174	0.010270717
17550623		-1.422395491	0.010270717
17357389	Ahnak	-0.584163875	0.010272989
17427441	Gm10192	-0.786601948	0.010274025
17260815	Meis1	1.009457599	0.01027428
17372045	Hoxd11	-0.967625715	0.01027564
17435403	Chpf2	-0.448172357	0.010276054
17342006		1.352758272	0.010278422
17223200	Sf3b1	0.469275681	0.010286384
17205485		0.662977829	0.010290266
17396178	Ythdf3	0.500772797	0.01029159
17360462	Acsf5	0.87342638	0.010298248
17406179	Gm16000	-0.569808831	0.010298248
17368476	Adamtsl2	-0.559953046	0.010299496
17374089	Lin7c	0.45025619	0.010310585
17411304	Rabggtb	0.566598518	0.010310585
17549352	Gja1	1.34406737	0.010313989
17549740	Gja1	1.34406737	0.010313989
17505641	Gm15894	-0.631263294	0.010313989
17200967		1.129166454	0.010313989
17247638	Gm12056	-0.702165362	0.010322794
17498897	Tnfsf13b	-0.514419285	0.010322794
17315167	Grasp	0.696960725	0.010327136
17221240		0.812003282	0.010350599
17464367	Ppfibp1	-0.606884509	0.010360089
17313000	Kdelr3	0.95169919	0.010363002
17525163	Acad8	0.915644993	0.010378645
17448798		2.255930784	0.010388274
17218845	Selp	-1.659819165	0.010392017
17322444	Spt1	-0.543556713	0.01039694
17427240	Plaa	0.478416541	0.010399381
17431607	C1qb	-1.548040246	0.010406798
17275545	1110008L16Rik	0.490866992	0.010412215
17548910	Arf1	0.467021476	0.010416768
17508674	Ubxn8	0.568634142	0.010416768

17452453	Gm10064	-0.790692978	0.010437488
17482547	Gm5737	-0.584935095	0.010437488
17327995	Tmem186	0.723075406	0.010439425
17443663	Tsc22d4	-0.492928974	0.010439425
17544491	Btk	-1.182474606	0.010447493
17510563	Slc35e1	0.653051234	0.010447493
17479697	2900076A07Rik	0.789236698	0.010457834
17302996	Gm2956	0.991440061	0.010461672
17420016	Id3	-0.900974656	0.010464229
17427067	Gm12597	-0.953298311	0.010465044
17482719	Ubfd1	0.594694628	0.010465044
17533416	Ddx3x	0.79949603	0.010480836
17288051	Zfp808	0.526773068	0.010490174
17381519		-1.395606222	0.010490174
17350901	A730017C20Rik	1.418163671	0.010500209
17480740	Ucp2	-0.554047596	0.010500209
17377630	Rspo4	-0.651220945	0.010504206
17519568	Gm19569	0.555714172	0.010524961
17428217	Cdkn2c	-0.596126602	0.010542891
17421972	Errfi1	0.771248706	0.010542891
17381306	Mcm10	0.745066378	0.010542891
17366782	Mir467a-3	0.903881313	0.010542891
17366818	Mir467a-3	0.903881313	0.010542891
17366878	Mir467a-3	0.903881313	0.010542891
17373915	Wt1	-1.535101557	0.010542891
17233208		-0.711368553	0.010542891
17297759	Anxa11	0.705326599	0.010561746
17295817	Mast4	-0.842076789	0.010565128
17222564	Snord89	0.65960753	0.010565128
17488886	Zfp940	0.541145104	0.010565128
17223471		-0.5700377	0.010565128
17238236	Ptges3	0.481473483	0.010569924
17544696	Nxf3	1.202073273	0.010574597
17533170	Gm6592	-0.77208025	0.01057482
17321561	Nckap5l	-0.634982151	0.01058633
17395170	Slmo2	0.740228721	0.01058633
17227872	BC003331	0.712828804	0.010588518
17455962	C1galt1	0.684848409	0.010588518
17252170	Rnf167	0.772734857	0.010588518
17204447		1.235092719	0.010588518
17372233	Dfnb59	-0.550897824	0.01058966
17352493	Epc1	0.526026561	0.01058966
17341872	Mlst8	0.722385327	0.01058966

17445440	Steap1	-0.533160585	0.01058966
17208093		-1.074635813	0.01058966
17550873		-0.48635364	0.01058966
17247921	Gm6899	-0.664890916	0.010603564
17536163	n-R5s9	-0.485746754	0.010603564
17256502	Naglu	-0.773596331	0.0106043
17342653	Gm17218	-0.837832406	0.010607503
17406221	Gucy1a3	-1.031764769	0.010607503
17551151		-1.40135401	0.010613988
17249994	4930438A08Rik	-0.594404389	0.010634524
17371800	Itga6	0.706096356	0.010639266
17400275	Gm16740	0.587277792	0.010652418
17467656	Mrpl35	0.519380372	0.010660933
17319450	8430426J06Rik	-0.667478129	0.010673083
17279165		0.621725903	0.010673083
17358962	Btaf1	0.861593278	0.010675277
17454687	Papolb	-0.530587401	0.010677405
17362207	Dnajc4	0.752242465	0.010681133
17403533	Ctbs	0.703176257	0.010681161
17219997	Kif26b	-1.008578076	0.010681161
17202167		-0.883977121	0.010685796
17527312	Chrna3	1.141825103	0.010710114
17365054	Cwf19l1	0.613696777	0.010710114
17269404	Krt16	1.210019721	0.010714018
17371318		-0.636490559	0.010714018
17528934	Tinag	-0.729004321	0.010714274
17550615		-1.549190188	0.010718754
17405764	Ift80	0.944760306	0.010725018
17407259	Slc27a3	0.961673818	0.01072554
17519821	Myo6	1.169519638	0.010731402
17500812		-0.889772059	0.010731402
17299862	Trav14n-2	-0.5175971	0.010736921
17299939	Trav14n-2	-0.5175971	0.010736921
17254835	A430104N18Rik	-1.012781616	0.010744278
17276614	Churc1	0.540117284	0.010769157
17545785	Cdkl5	0.741757639	0.010773132
17509208	Gm16675	-0.556112821	0.010790384
17240005	Rnf146	0.547927276	0.010790384
17223594	Wdr12	0.76255087	0.010790384
17283200	4930474N09Rik	-0.759118181	0.01080927
17394015	Jph2	-0.961046393	0.01080927
17312829	Lgals1	-0.664100929	0.01080927
17514922	LOC100503048	-0.803060547	0.01080927

17363177	Tle4	0.803331096	0.01080927
17210377		1.224116618	0.01080927
17308480		0.577819475	0.01080927
17461968	Mkrn2	0.611206727	0.010813114
17210183		-1.512381455	0.010815827
17548334	Gm11893	0.55967571	0.010816551
17526980	Mir34b	-0.838641781	0.010816551
17203345		0.822146287	0.010816551
17534720	Hprt	0.72059027	0.010816645
17477053		-0.70299394	0.010816645
17522779	Cmtm6	0.638544248	0.010818922
17442970	Vkorc111	0.793599909	0.010826003
17393288	Gss	0.552759389	0.010833977
17203155		-0.578053127	0.010833977
17201603		-0.923767201	0.01083837
17298090	Erc2	0.739333917	0.010854768
17278884	Mir541	0.664046165	0.010854768
17329026	Olfr164	-0.519155507	0.010857824
17338200	Tbcc	0.78186579	0.010865854
17202263		1.424380194	0.010869265
17408974	Cym	-0.928519496	0.010870153
17228871	Suco	0.51963393	0.010870153
17238291		1.200769889	0.010870153
17278711	Mir432	0.660564101	0.010884636
17327223	Smim11	0.917988629	0.010895535
17277879	Tdp1	0.702996322	0.010895535
17267209	Brip1	0.836755232	0.010926308
17250829	Tekt3	-0.691080217	0.010926308
17389687		-1.344245423	0.010926511
17347987	Gm19783	0.895364719	0.010926777
17426277	Akna	-0.752801787	0.010930207
17454977	Baiap2l1	0.581778125	0.010937831
17309013	Pcdh9	0.793843268	0.010937831
17206243		0.726607615	0.010937831
17319403	Rpl3	0.768117358	0.010941758
17517175	Ppp2r1b	0.619725857	0.010944299
17331306	Gm9581	0.686807077	0.010951723
17233068		1.161100574	0.010951723
17535241	Styx	0.482284009	0.010953371
17256276		-0.936670199	0.010953371
17400813	Notch2	-0.658051942	0.010953689
17498360	Mrgprg	-0.456950086	0.010954114
17470323	Erc1	0.621627378	0.010977279

17300369		0.57645019	0.010977279
17436128	Zfp512	0.56117443	0.010987053
17459656	Capg	-0.582287692	0.010996701
17218013	Glr2	0.666713721	0.010996701
17543870	Zdhc15	0.781340857	0.010996701
17327025	4931406G06Rik	-0.590764362	0.010998358
17236729		-0.590935735	0.010998358
17223852	D630023F18Rik	0.624772755	0.011005542
17393789	Tgm2	-1.032477636	0.011008046
17411323	Acadm	0.673729484	0.011013237
17388803	Cat	0.717444386	0.011032643
17370897	Gpd2	0.658130049	0.011032643
17484112	2700050L05Rik	0.874952884	0.011040814
17489707	Cebpg	0.464728394	0.011040814
17203985		1.12207753	0.011043587
17404821	Ccna2	0.870375079	0.011054699
17446539	Paxip1	0.69626575	0.01107457
17214395	Gm16582	-0.689855862	0.01108438
17284512		-0.894600024	0.01108438
17347888	Pigf	0.661942881	0.011085873
17403514	Ssx2ip	0.611426579	0.011085873
17329819	Lrrc33	-0.610912659	0.011090232
17272552	Gm16045	-0.510082898	0.011108678
17454121	Agfg2	-0.749043263	0.011113458
17302636	Mir19a	0.978117347	0.011113458
17380185	Rae1	0.505792171	0.011113458
17451390	Cmklr1	0.833630988	0.011127026
17453698	Orai2	-0.683780141	0.011127026
17204961		1.352886615	0.011133671
17528202	Rab11a	0.440224315	0.011140525
17220018	Cnst	0.622221248	0.011141932
17375083	Snap23	0.681552626	0.011141932
17293748	Prss47	-0.563435183	0.011142604
17230034	AI607873	-1.263748782	0.01116634
17424573	Fam214b	-0.512117295	0.01116634
17210231		1.599521441	0.01116634
17494315	Olfr648	-0.689389692	0.011171424
17478801	Otud7a	0.680686524	0.011171424
17458308	Atp6v0e2	0.908840803	0.011177354
17548365	Mul1	-0.543943787	0.011179418
17370043	Angptl2	-0.638311253	0.011179883
17254976	Mir378b	-0.558898788	0.011179883
17282158	Rdh11	0.747135933	0.011179883

17252557	1200014J11Rik	0.464888766	0.011197801
17466687	Osbp13	0.473021133	0.011197801
17301131	Rnaseh2b	0.750155486	0.011197801
17249916	n-R5s69	-1.194411386	0.011208596
17402485	4930422G04Rik	0.77646473	0.011212064
17209065		-0.61276247	0.011216149
17286228	Gm11362	-1.873147515	0.011223865
17482093	Gm10589	0.965976866	0.01126139
17472129	Gucy2c	-0.829327326	0.01126139
17287041	Kdm1b	0.572891151	0.0112685
17313199	Adsl	0.6179605	0.011272404
17218042	Gm5263	1.402886496	0.011286336
17228794	Zbtb37	0.887062036	0.011286336
17241579		-0.55420644	0.011286336
17490917	Sec1	-0.622394995	0.011291825
17219248	Adamts4	-0.504642815	0.011327462
17300707	Cma2	-0.780084666	0.011327876
17395165	Atp5e	-0.835978074	0.011328673
17241420	2510003E04Rik	0.642330679	0.011342801
17476970	Zfp788	0.796777297	0.011346628
17309397	Tgds	0.49948515	0.011347411
17537607	Cstf2	0.521330544	0.011370438
17394865	Sall4	1.053670647	0.011374554
17259531	Gm11773	-0.684452708	0.011375589
17233740		0.447824134	0.011375589
17378232	1700003F12Rik	-0.674771254	0.011380433
17423713	Manea	0.547442062	0.011380433
17376276	Nop56	-1.30660147	0.011380433
17460589		0.533509174	0.011380433
17385044	Rnd3	0.746948345	0.011382842
17292096	Gm15810	-0.537337932	0.011389261
17307638	Tdh	1.047685452	0.011394004
17357229		1.176950255	0.011394004
17239468		0.617347998	0.011394004
17371320	4933409G03Rik	-0.724603545	0.011413679
17371993	Gm13709	-0.611092211	0.011413679
17457876	Gstk1	0.919393297	0.011413679
17550725		-0.440323918	0.011413679
17500957	Lrp2bp	-0.620208668	0.01143307
17366750	Mir467a-2	0.849869509	0.011436237
17366762	Mir467a-2	0.849869509	0.011436237
17366794	Mir467a-2	0.849869509	0.011436237
17366806	Mir467a-2	0.849869509	0.011436237

17366830	Mir467a-2	0.849869509	0.011436237
17366842	Mir467a-2	0.849869509	0.011436237
17366854	Mir467a-2	0.849869509	0.011436237
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17210525		0.811459767	0.011436237
17209525		-0.992516589	0.011436237
17273694	Pomc	-0.553750989	0.011450289
17318299	Puf60	0.624909676	0.011450289
17500593		-1.401093917	0.011450289
17549140		-0.49271741	0.011450289
17333879	Gm6811	-0.620940243	0.011453216
17541695	Mir363	-0.851962916	0.011465354
17336516	Btnl2	-0.545506174	0.011467412
17432197	Gm694	-0.720427833	0.011467412
17415294	Gm13286	-0.719738624	0.011488356
17269464	Jup	0.539547423	0.011488356
17330080	Dirc2	0.490806789	0.011507563
17387730	Olfr1104	-0.523505091	0.011509252
17259702	Sfi1	0.724555077	0.011514839
17237496	4933400F03Rik	-0.548282782	0.011519345
17498398	Ctnn	0.611544499	0.011520396
17547002	Rmi1	0.620294556	0.011520396
17424201		0.861502154	0.01152472
17425525	Frrs1l	0.872047079	0.011544001
17204715		1.242391214	0.011548619
17207465		1.236993137	0.011555285
17327247		-0.741423692	0.011562336
17520085	Zfp949	0.570231756	0.01156247
17443985	Cyp2w1	0.720080407	0.011570129
17466743	Npvf	-0.477064529	0.01158446
17456025	Phf14	0.564442901	0.011584516
17423802		-0.715936042	0.011586239
17208615		-0.953564821	0.011591203
17455554	N4bp2l1	0.562913342	0.01159715
17512778		-0.796513363	0.01159715
17245448	Lemd3	0.73269162	0.011610197
17273440	Cd7	-0.648328809	0.011615971
17508885	Mtmr7	1.256698419	0.011615971
17290447	Chrm3	0.771218943	0.011617323
17433412	Zbtb48	0.512874779	0.01163515
17347139	Galnt14	0.4893331	0.011642002
17275470		-0.784103521	0.011642024
17453513	Dnajc30	0.61318776	0.011650015

17359698	Scd4	-0.66985554	0.011664932
17262915	Ccdc69	-0.548192659	0.011694511
17432341	Efhd2	-0.703563537	0.011694511
17372035	Hoxd13	-0.632455034	0.011694511
17482907	Hs3st4	-0.689639755	0.011694511
17237564	Mdm1	0.718252622	0.011694511
17512275	Nae1	0.477428945	0.011694511
17493571	Tsku	-0.562257774	0.011694511
17282104	Atp6v1d	0.70179766	0.011708185
17411103	Lphn2	0.479647606	0.011708185
17243017		-1.049380071	0.011708185
17551139		-1.486259286	0.011725254
17307550	Ints6	0.585082055	0.011732946
17230273	4930527J03Rik	-0.997981868	0.011739248
17544102	Gm10452	0.689269185	0.011739248
17357688	Ms4a6b	-1.029534189	0.011739248
17451251	Myo18b	-0.599759875	0.011739248
17237280	Phlda1	-0.537592053	0.011739248
17457802	Tcrb-J	-0.596721103	0.011739248
17220752		-1.180269737	0.011739248
17461739	Fancd2	1.114040978	0.011744796
17355286	Rab27b	0.678604772	0.011744796
17346503	Tubb4a	0.971560625	0.011745574
17381084	Prpf6	0.591427766	0.011763503
17262141	Timd2	-0.638872633	0.011764673
17316725	Slc25a32	0.690445929	0.011767956
17341698		0.939980221	0.011768482
17290173	Hmgcs1	0.604445054	0.011782864
17547682	Sdc1	0.468483333	0.011786414
17328432	Mcm4	0.86540959	0.011788181
17388293	Dgkz	-0.639969173	0.011789405
17410455	Gstcd	0.441140328	0.011789405
17332568	Tmprss2	1.130294079	0.011789405
17402572	Cfi	-1.038878263	0.01180418
17207595		1.733277213	0.011811511
17392621	Gm10750	-0.549664986	0.011845607
17547327		-0.599095211	0.011850439
17206191		0.824811659	0.011850439
17322541	Dnaja3	-0.573822057	0.011854189
17394036	Fitm2	0.507254454	0.011856874
17303538	Gm5087	-0.520784313	0.011856874
17492509	Rccd1	0.67557579	0.011856874
17511450	Siah1a	0.869640521	0.011856874

17513209	Kars	0.62265299	0.011863638
17498892	Abhd13	0.640335256	0.011873031
17289699	Ercc8	0.729489166	0.01190311
17266466	Tmem199	0.88907236	0.01190311
17548477		0.699848132	0.011916315
17332341		0.89674405	0.01192071
17464291	Fgfr1op2	0.456980157	0.011960879
17473459	Zfp580	-0.731404141	0.011965697
17270431	Gm20511	-0.537230705	0.01197805
17418465	Grik3	0.825203312	0.01197805
17232560	Hdac2	0.59531775	0.01197805
17467556	Rpia	0.600635324	0.012006412
17289635	Srek1ip1	0.524023799	0.012006797
17278799		1.173751449	0.012029265
17329380	Rfc4	0.67889664	0.012032065
17289717	Elovl7	0.744965863	0.012041057
17313705	Parvb	0.841673379	0.01204306
17290301	Akr1e1	0.570082395	0.012055309
17445044	B3galtl	0.806249608	0.012055309
17494449	LOC637657	0.593255943	0.012055309
17522698	Ubp1	0.657376557	0.012058682
17353121	Zfp191	0.582977097	0.012074503
17533939	Gmcl1l	-0.741192932	0.012083652
17310652	Zfp622	0.592012107	0.012083652
17300368		0.49039587	0.012087772
17301440	Ccdc25	0.76960844	0.012094017
17458150	Zfp956	0.82210545	0.012094017
17273652	Dnmt3a	-0.527607114	0.012094268
17348990	Elp2	0.533427783	0.012102944
17452294	Sh2b3	-0.604487049	0.012109104
17249700	3230401D17Rik	0.92688748	0.012110351
17254289	Wfdc17	-0.958064282	0.012110351
17210273		0.794488068	0.012130692
17210295		0.794488068	0.012130692
17342686	LOC101055719	-0.867619873	0.012139683
17478998	Vimp	0.576132006	0.012178951
17548340	Atp6v1g1	0.87928852	0.012179176
17401970	Olfm3	0.673177078	0.012179176
17483258	Zfp771	-0.516963902	0.012179176
17451126	Ep400	0.513865799	0.012194064
17260396	Gm11974	0.93904446	0.012198514
17327487	Gm15341	-0.752952906	0.012206899
17238731		-0.6289907	0.012236259

17340657	Gm9992	-0.678560528	0.012276074
17336959		1.206994367	0.012277412
17514930	Olfr851	-0.594914111	0.012277864
17202369		-0.713158758	0.012277864
17458723	Wipf3	-0.710046259	0.012282738
17547509	Gm1553	-0.827417311	0.012294914
17210353		1.74332269	0.01230067
17260668	Grb10	-0.684519706	0.012301097
17475212		-0.974393891	0.012312537
17252497	Atp2a3	-0.521544832	0.012313139
17437923	Tmem33	0.511795567	0.012313139
17308686	Cog3	0.616775587	0.012329759
17396966	D3Ertd254e	1.224840727	0.012330671
17372185	Rbm45	0.856988393	0.012330671
17337031	Gm16181	-0.581214437	0.012347743
17499784	Gm15315	-0.643974891	0.012353947
17510351	Tmem221	-0.564676395	0.012353947
17208563		1.444844271	0.012353947
17492051	Arrdc4	0.515790794	0.01236436
17536566	Kif4	0.778733124	0.01236436
17339864	Ndufaf7	0.502277062	0.01236436
17388999	Prrg4	0.723368412	0.01236436
17388406	Slc35c1	0.535598659	0.01236436
17432038	Padi3	-1.267484252	0.012364876
17490899	Fgf21	0.716991198	0.01237562
17355728	Mir5127	-1.004564111	0.01237562
17300360	Pabpn1	0.490073876	0.01237562
17262353		0.597574005	0.01237562
17336939	Abhd16a	0.793045196	0.012408431
17347440	4930429F11Rik	-0.737216172	0.012424613
17546917	Sry	-0.655611705	0.012430498
17549498	Taf13	0.671670107	0.012431019
17328000	Usp7	0.567503356	0.012451059
17228362	BC034090	-0.66372148	0.012498652
17367278	Commd3	0.53106285	0.012512033
17259546	Gm11775	-0.835767931	0.012512033
17287715	B4galt7	0.579140778	0.012525047
17356339	Brms1	0.443440557	0.012530274
17246577	Pik3ip1	0.49959414	0.012536831
17392151	Jag1	1.159707174	0.012543866
17403811	Lrriq3	0.542666806	0.012543866
17340120	Ppm1b	0.543759691	0.012543866
17471828	Klra2	-0.610503717	0.012548504

17257612	Cep95	0.479896769	0.012591858
17365250	Mgea5	0.477028614	0.012591858
17543742		-1.368196129	0.012591858
17364622	Tm9sf3	0.492659726	0.012593854
17397740	Mab21l1	1.75101417	0.012601719
17508063	Polb	0.459602343	0.012606267
17346338	Vmac	-0.541434049	0.012606267
17550619		-1.390653206	0.012608773
17357559		-1.094090088	0.012609793
17246110	Gm17201	-0.721359317	0.012612813
17202367		1.55865563	0.012612813
17267172		-0.516853797	0.012622961
17401414	Gm5547	-0.638084883	0.012626486
17240357	Gtf3c6	0.667408141	0.012626486
17298014	Hesx1	-0.535384128	0.012626486
17550611		-1.5043881	0.012626649
17250852	B130011K05Rik	-0.713674441	0.012640072
17349731	Tmco6	0.537674208	0.012640072
17341214	Prdm9	0.756260505	0.012641757
17200969		0.767190605	0.012641757
17511509	Brd7	0.446960036	0.012645936
17323061	Rrn3	0.467727394	0.012658335
17492745	Rps17	1.075650535	0.012662218
17506846	Sprtn	0.51233527	0.012668833
17391993	Gm14095	-0.71027281	0.01268484
17438749	Amtn	1.086823519	0.012686231
17266751	Gm17268	-0.714512039	0.012686231
17405746	Rarres1	0.843254392	0.012686231
17291704	Serpnb1c	-0.776093006	0.012686231
17456839	n-R5s161	-1.204334908	0.012688467
17507355	Lig4	0.602184237	0.012699048
17548145	Atp6v1g1	0.873209218	0.012704729
17214075	Smarcal1	0.629804249	0.012709344
17208013		1.257962503	0.012709344
17207977		1.282907191	0.012709344
17233306	Slc35f1	1.266673665	0.012710942
17202097		-0.830913542	0.012710942
17299158	LOC100044625	-1.012317247	0.012714801
17463971	n-R5s168	-0.959200656	0.012714801
17265393	Nup88	0.592948362	0.012715866
17231600	Mir5104	-0.544559223	0.012736269
17255026	Trim25	1.355213683	0.012736269
17483383	Snora30	-0.448657099	0.012745585

17440667	Tpst2	-0.509771096	0.012747781
17424034	4933428C19Rik	-0.575793792	0.012748864
17510685	Ednra	0.801993292	0.012759726
17541946	Mir504	-0.690948047	0.012762099
17428553	Rad54l	0.990614534	0.012762099
17399549	4933434E20Rik	0.585249157	0.012770403
17237751	BC048403	1.099720618	0.012775776
17338747	Uhrf1	0.985720063	0.012787916
17304049	Dlg5	-0.64888749	0.012799004
17427860	Acot11	-0.509918723	0.012801844
17402895	Ube2d3	0.475261327	0.012801844
17200127		-0.976108326	0.012801844
17324680		-0.607109585	0.012801844
17335142	Gm15420	-0.738143717	0.01280189
17269368	Krt19	0.53809503	0.012806563
17537713		0.973193788	0.012806563
17215750	Klhl30	-0.601847788	0.012816747
17330407	Gm17103	0.769063948	0.012824232
17446643	Hadha	0.596866505	0.012832989
17522488	Prss46	-0.644617311	0.012832989
17486136	Zfp954	0.84757388	0.012832989
17521376	Nprl2	0.555714652	0.01284533
17379003	9130015L21Rik	-0.539290781	0.012847097
17236077	Ric8b	0.732264733	0.012857376
17302362	Bora	0.696605768	0.012860892
17458323	Gm5111	-0.439952503	0.012869957
17490452	Ap2a1	-0.55125103	0.012885007
17256959	Grn	-0.566589296	0.012885007
17406817	Lamtor2	0.515643479	0.012885007
17466758	Mir148a	-0.538324503	0.012885007
17427155	Cdkn2b	-0.600028498	0.012886365
17433810	Gm16023	0.726706887	0.012891372
17328132	Txndc11	0.549304552	0.012892311
17467323	Il12rb2	-0.558057262	0.012898157
17316043	Npr3	1.096155478	0.012898157
17411727	Gdf6	-1.028224493	0.012906161
17435267	Nupl2	0.696688758	0.012913466
17395852	Arfrp1	0.628414415	0.012930262
17402052	Sass6	1.36883171	0.012930262
17467806	Tcf7l1	0.691755951	0.012930262
17467529		-0.819716234	0.012930262
17470196	Ankrd26	0.610625683	0.012936431
17538827		-0.957407192	0.012940938

17298407	Bap1	0.608009789	0.012947377
17500551	Mfhas1	-0.546479424	0.012947377
17254153	Slfn5	-0.874058704	0.012947377
17351838		0.481221332	0.012947377
17499744	Defa22	-0.531614169	0.012962555
17286515	Prpf4b	0.645442328	0.012965588
17506502	Rpl13	-0.676446576	0.012966976
17488325	1700049G17Rik	0.865918249	0.012971065
17509629	Sc4mol	0.598693129	0.012971065
17318249	Fam83h	0.445505214	0.012980897
17396544	Mir551b	-0.876842759	0.012981999
17245171	Cct2	0.569403636	0.012992337
17268255	Igf2bp1	0.999590194	0.013007233
17514170	Pcnx12	-0.566165137	0.013007233
17515196	Qtrt1	0.6408452	0.013007233
17263673	Shmt1	0.724255219	0.013007233
17203419		2.117501574	0.013007233
17233739		0.49981963	0.013007233
17523188		-0.88886463	0.013007233
17300018		-0.529075728	0.013007233
17210599		-2.390718784	0.013007233
17491529	lpw	0.799118864	0.013008002
17256332	Krtap31-2	-0.610408484	0.013008002
17545605	Prdx4	0.437004519	0.013008002
17532615	mt-Tk	-0.906296848	0.013008272
17547949	Gm10808	-1.326462483	0.013017306
17370309	Ptgs1	-1.20950775	0.013017306
17438716	Cabs1	-0.78997981	0.013039825
17542662	Ubl4	0.591611986	0.013039825
17518809	Gm19299	-0.817068058	0.013045151
17285644	Zscan12	0.839578173	0.013053799
17332342		0.597477985	0.013054835
17421545	Nppa	0.897243597	0.013058147
17541736	Plac1	-0.472752614	0.013063851
17238892		-0.734969765	0.013063851
17200003		1.16043506	0.013069914
17274448	Cpsf3	0.556660791	0.013077757
17444806	Rasl11a	-1.569267149	0.013079902
17445775	Rsb1l1	0.604235939	0.013079902
17300227	Traj11	-0.957993722	0.013088758
17213336	Bmpr2	-0.690780746	0.013097636
17324303		-1.042466142	0.013098461
17290913	Gpx5	-0.508048904	0.01310053

17237132	Lin7a	0.796956969	0.01310053
17341697		0.609849108	0.013102607
17517544	Rcn2	0.576825089	0.013102812
17297459	2810402E24Rik	0.572506119	0.013103335
17548825	Gm378	-0.485461446	0.013103335
17468018	Hk2	0.794591101	0.013103335
17537347	Tgif2lx1	-0.455301913	0.013103335
17540741	Gm14527	0.872074433	0.013115732
17300251	Abhd4	0.583044065	0.013122113
17285000	Klf6	0.541927343	0.013135891
17452378	Rad9b	1.043451577	0.013145589
17223412	Fam126b	0.633422512	0.013147592
17387622	Olf1016	-0.649345614	0.013147592
17476609	Scgb1b3	-0.468757933	0.013150506
17228667	Pappa2	-2.174365804	0.01315284
17315500	Hoxc10	-1.020968911	0.013165648
17290420	Zmynd11	0.587480926	0.013165648
17252995	Slc43a2	-0.683656347	0.013165853
17208361		-0.605914052	0.013203054
17200497		1.151994694	0.013210226
17515402	Cnn1	-0.634637426	0.013212623
17353378	Epb4.1l4a	0.7196798	0.013212623
17379314	Wisp2	-0.604571711	0.013221859
17517907	6030419C18Rik	-0.574802657	0.013230337
17443996	D830046C22Rik	-0.642562009	0.013230419
17397462	Rab33b	0.554405255	0.013230419
17417336	Kncn	-0.528759652	0.013234166
17377816	Mylk2	-0.486556401	0.013234166
17446060	Al506816	1.201864789	0.013247822
17358598	Ii33	0.782594037	0.013247822
17533665	Usp11	0.963202267	0.013265885
17518672	Fam96a	0.509470503	0.013266995
17303804	Anxa7	0.496697433	0.013285467
17229330	5330438I03Rik	-0.672249376	0.013287843
17532639	mt-Ta	1.129821883	0.013288231
17373930	0610012H03Rik	-0.597000834	0.013290736
17532613	COX2	-0.50713723	0.013290736
17417162	Gm12835	-0.621918174	0.013290736
17423265	Dpy19l4	0.520401696	0.013301107
17303333	Gm3476	0.845433055	0.013301107
17371941	Cdca7	0.784301147	0.013302091
17305254		-0.860859027	0.01330605
17259311	0610009L18Rik	-0.65703602	0.013309665

17270117		-1.20561522	0.013314911
17401447	Ovgp1	0.979335111	0.013319215
17386639	Lnp	0.775509098	0.01332214
17421283	Gm13123	-0.499967922	0.013331292
17480407	Clns1a	0.481394699	0.013340516
17283014	Gtf2a1	0.554589511	0.013340516
17469572	Sumf1	0.734094918	0.013358491
17298379	Tnnc1	0.504974444	0.01335898
17237978	Ddit3	0.636168358	0.013388941
17214027	B930094L07Rik	0.630864753	0.013389596
17262575	Ube2b	0.580394622	0.013400418
17202165		1.002178866	0.013400418
17480534	Gdpd5	0.59386139	0.01341926
17402936	Slc39a8	0.720382958	0.01342743
17476219	Zfp420	0.812742973	0.013428035
17396878	Sox2	0.751460911	0.013434586
17513076	Mkl1	-0.572345328	0.013450178
17239354	Stx11	0.698860143	0.013450178
17535972	Vbp1	0.504557794	0.013450178
17484731	Pkp3	0.580097009	0.013450555
17209097		-1.238980115	0.013453673
17395512	Lama5	-0.844615267	0.013456404
17344242	Apom	-1.225252831	0.013484133
17280062	Lpin1	0.736293824	0.013484133
17512776	4922502B01Rik	0.488020373	0.013498388
17322545	Dnaja3	0.551068668	0.013500031
17316402	Nipal2	1.247871434	0.013515915
17461312	Trnt1	0.547127467	0.013515915
17400800		-1.119544193	0.013515915
17443261	Nsun5	0.795535437	0.013531224
17389820	Dnajc17	0.54967467	0.013535393
17260261	Camk2b	0.699209877	0.013537548
17495549	Itpril2	-0.997306606	0.013578207
17546935	Rbmy	-0.633604094	0.013578207
17546944	Rbmy	-0.633604094	0.013578207
17376560	AV099323	0.623622038	0.013604946
17249702	Fnip1	0.598000026	0.013604946
17303117	Gm3696	1.102956175	0.013604946
17320240	1810021B22Rik	-0.573462042	0.01361456
17451734	4930430O22Rik	-0.714162984	0.013616136
17300697	Khyn1	0.606275107	0.013616136
17253150	Rnmtl1	0.555600765	0.013617961
17323888	Eif2b5	0.507113661	0.013619736

17232055	Sgk1	0.635119266	0.013625134
17202661		-0.864520745	0.013634321
17201277		-0.883647737	0.013634321
17470150	Bms1	0.767074948	0.013639314
17512171	Rplp0	-0.53380439	0.013658918
17466805	Hoxa2	1.268001707	0.013660422
17463140	Mrpl51	0.428765475	0.013662541
17282905	Snw1	0.432184954	0.013662541
17504431	Cklf	1.087006484	0.013664718
17537982	Zcchc18	0.634361612	0.013664718
17495306		0.454096001	0.013668013
17324683		-0.632058908	0.01368149
17543396	Eda2r	0.61699108	0.013688068
17400418	Mcl1	0.444963827	0.013688068
17290852	Trgv2	-0.612912894	0.013688068
17252399	Ube2g1	0.504589367	0.013688068
17316185		-0.576201259	0.013688068
17250117	Gm12258	0.982768052	0.013706266
17225833	4930533P14Rik	-0.523503781	0.013714861
17210069		-0.991038274	0.013714861
17266496		-0.62420164	0.013742654
17474934	Lypd5	1.142569149	0.013744604
17237984	Arhgap9	-0.513914712	0.013765422
17250582	Aldh3a2	0.7368548	0.013770006
17334685	Tekt4	-0.524484606	0.013770006
17204591		2.138662236	0.013770006
17240901	D630037F22Rik	0.674668467	0.013778464
17478263	Tmem86a	-1.011109818	0.013794027
17350364	Cdo1	0.91921714	0.013798597
17306816	Tgm1	0.803992395	0.013798597
17221765	Gm19673	-0.469976642	0.013807567
17366756	Mir669g	0.786509806	0.013807567
17550631		-1.228984962	0.013807567
17534408	Xiap	0.432133159	0.013811013
17395973	1110015O18Rik	0.883366782	0.013811098
17516074	Esam	0.607602618	0.013811098
17216296	Gm17634	-0.454168509	0.013811098
17464128	Golt1b	0.473411673	0.013811098
17427213		-0.879879783	0.013811098
17424937	Exosc3	0.559243208	0.013815829
17234948	Fgf22	-0.8008727	0.013819057
17355437		0.677598995	0.013819057
17343527	Zfp763	0.568847845	0.013824211

17233716	Npffr1	-0.776144607	0.013833541
17287876		-0.664267087	0.013838404
17449609	Cdkl2	0.627850996	0.013847215
17343164	Tff3	-0.787958583	0.013874323
17502860	Rnf150	-1.026192636	0.013876718
17447150	Letm1	0.556401933	0.013877834
17444876	Pomp	0.649377992	0.013877834
17546345	Rbmy	-0.565739642	0.013892907
17533332	Gm4906	-0.823110042	0.013893634
17489251	Haus5	0.881673235	0.013893634
17418483	Grik3	-0.506723618	0.013909139
17548411	Hpse	-0.597323882	0.013909139
17464110	Pyroxd1	0.62286742	0.013909139
17340522	Serac1	-0.506723618	0.013909139
17392625		-0.648699143	0.013909139
17253191	Blmh	0.423490625	0.013909776
17208381		1.532109448	0.013940645
17235320	Reep6	1.042894243	0.013961379
17474574	Ppp1r13l	0.500538614	0.013966008
17357558		-0.774478335	0.013966008
17509359		-1.326697236	0.013966008
17205221		-1.065786506	0.013966008
17209411		-1.065786506	0.013966008
17550420		-1.2955212	0.013966008
17399574	1700094D03Rik	0.760274864	0.013971249
17370659	Kif5c	1.163175028	0.01397679
17428142	Osbpl9	0.572426588	0.01397679
17309011		-0.492227635	0.01397679
17509923	Mau2	0.656290637	0.013988235
17306477	Slc7a8	-1.337735743	0.013989849
17544098	Gm732	-0.730088225	0.014005383
17361164	Rad9a	1.034232698	0.014005383
17448753		-0.770583819	0.014005383
17366660	Kin	0.544281008	0.014007022
17384753	Golga1	0.66451039	0.014010898
17323401	Gm15585	-0.6299931	0.014011379
17525661	Tbrg1	0.470151937	0.014011379
17364543	Aldh18a1	0.432278173	0.014024846
17359366	Entpd1	0.432278173	0.014024846
17357233		0.622241934	0.014035313
17392730	Abhd12	-0.525493271	0.014037264
17282171	Zfyve26	-0.468450454	0.014039057
17232281		-0.68006556	0.014039057

17416427	Tmem59	0.599562683	0.014043675
17227570	Nek7	0.5484635	0.01406435
17245053	Thap2	0.709635001	0.014073371
17548520	Gm5576	0.563591055	0.014075839
17513061	Rfwd3	0.751935849	0.014077693
17208021		0.858364079	0.014085542
17366204	LOC100040974	-0.474378165	0.014089133
17202795		-1.04668942	0.014091521
17477498	Fam71e1	-0.574215928	0.014100754
17484909	Pnpla2	-0.469092629	0.014100754
17268313	0610040B09Rik	-0.554329388	0.014111199
17447963	Kcnip4	0.715454148	0.014129374
17285799	Vmn1r219	-0.57667117	0.014129374
17240746	4933411G06Rik	-0.570669245	0.014135143
17412404	Casp8ap2	0.666848144	0.014135143
17218147		-0.471989156	0.014135143
17461888	Hrh1	-0.617398842	0.014144062
17233835	Rufy2	0.774760145	0.014146577
17323297	Cebpd	-0.72226066	0.014154244
17415136	Adamts1	-0.687160571	0.014181235
17242578	Ppap2c	0.595298169	0.014194528
17501544	Npy1r	0.601349796	0.014199263
17263692	Tmem11	0.507320059	0.014199263
17499874	Thsd1	-0.663383469	0.014225531
17452818	Sbno1	0.517919903	0.014239427
17465620	Podxl	0.793910176	0.014243989
17369986	Pthr1	-0.585502618	0.014251763
17521902	Ip6k2	0.594110824	0.014270634
17517554	Pstpip1	-0.528674716	0.014274451
17514320	2610044O15Rik8	0.774701437	0.014280805
17260244	Gck	-0.416107796	0.014300371
17316432	Mir599	-0.804595689	0.014301119
17515045	Ppan	0.612798905	0.014301119
17364813	Avpi1	0.966208289	0.01430648
17343580	Hnrnpm	0.783374152	0.014319446
17363374	Ostf1	0.503309534	0.014332245
17493875	P2ry2	0.86253426	0.014332717
17532662		0.861215829	0.014351506
17269870	Aarsd1	0.529602129	0.014355892
17233065		1.335687301	0.014355892
17546743		-0.713848773	0.014355892
17386377	Mettl8	0.65052702	0.014376763
17502191	Mrpl34	0.525657967	0.014378016

17310565	Cdh18	0.676099431	0.014396698
17281963	Wdr89	0.57319419	0.014403228
17296715	Gm3373	0.573036902	0.014404289
17241206	Pald1	-0.606335021	0.014404289
17260837		-0.570736014	0.014404289
17499773	Gm21002	-0.775990298	0.014408095
17468157	Tet3	-0.598723267	0.014409043
17308796	Gm1587	-0.526932801	0.01443001
17550364	5430416N02Rik	0.631569109	0.014438972
17333977	Zfp229	1.125800859	0.014454381
17505367	Txn14b	0.652694356	0.014457926
17405174	Cog6	0.694606695	0.014459232
17305653	Gnpnat1	0.512938315	0.014460912
17396078	Raly1	0.648620373	0.014492354
17485589	Lilrb3	-0.855284164	0.014494407
17456440	Hyal4	-0.53367844	0.014496038
17250129	2810021J22Rik	0.668628701	0.014496136
17450918	Crlf2	-0.455580058	0.014502464
17291866	Lym4	1.041923546	0.014502464
17259177	Rptor	-0.56127228	0.014502464
17491276	Spty2d1	0.526212439	0.014502464
17341319	Vmn2r108	-1.289790578	0.014502464
17516194	Vwa5a	0.528296453	0.014502464
17337197	Cdsn	0.994933166	0.014514414
17217022	Fam72a	0.949983106	0.01451889
17347353	Gm6548	-0.811567408	0.01451889
17350301	Ythdc2	0.793311308	0.01451889
17414061	Zfp189	0.658480845	0.01451889
17267430	Gdpd1	0.724099171	0.0145252
17283565	Serpina10	-0.571244388	0.014536666
17227512		-0.500589077	0.014536666
17236269	Pah	-0.51203526	0.014538344
17200137		1.437184403	0.014545556
17468172	Dguok	0.609984565	0.014554863
17299341	Fbxo34	0.61502663	0.014554863
17418952	Yars	0.72048943	0.014554863
17366562	Upf2	0.676005701	0.014557911
17278296	Serpina3i	-1.036741548	0.014578914
17255594	Hoxb4	-0.477910111	0.014589494
17257946	Sox9	0.636110671	0.014591989
17270481	Arhgap27	0.512140644	0.014597745
17239371	Ltv1	0.468415702	0.014604932
17521014	Acad11	0.482707143	0.014608472

17436907	Afap1	-0.568596976	0.014614099
17282226	Actn1	-0.420341454	0.014617223
17333686	Lix1	1.189252151	0.014636399
17312920	Micall1	-0.594926267	0.014636399
17326062	Retnlb	-0.688433732	0.014636399
17456082		-0.61971421	0.014639238
17292855	F12	-0.558418591	0.014653549
17279239	Tdrd9	-0.591381924	0.014653549
17405355	Tm4sf1	-0.737386937	0.014653549
17201783		-1.386276758	0.014653549
17201959		-1.386276758	0.014653549
17418581	Col8a2	-0.683715711	0.014659952
17497584	Caly	0.506231659	0.014687035
17491242	Tsg101	0.425750578	0.014687035
17308473		1.10702619	0.014694117
17426923	6030471H07Rik	-0.452396532	0.014705225
17203655		1.36028262	0.014715029
17448761		-0.754210332	0.014715029
17377013	Dstn	0.455262916	0.014717639
17355859	Gm16146	-0.534730621	0.014717639
17509113	Gm16351	-0.577141031	0.014717639
17398023	Gmps	0.535127982	0.014717639
17247336	Ikzf1	-0.616917702	0.014717639
17344316	Lta	-0.757627577	0.014717639
17472114	Plbd1	0.792126414	0.014717639
17417117	Stil	1.019073511	0.014717639
17446095	Tomm7	-0.550633226	0.014717639
17206513		-1.639812456	0.014717639
17365162		0.606720003	0.014733074
17203663		1.904286083	0.014746853
17250734	2410006H16Rik	0.524798034	0.014756871
17293858	Gm10323	-1.053979579	0.014756871
17471278	Tead4	0.703971405	0.014756871
17308454	Xpo7	0.577980624	0.014756871
17220761		1.234584055	0.014756871
17200123		1.383772122	0.014756871
17238886		-0.50095445	0.014756871
17295032		-0.652129202	0.014757574
17496698	Zfp688	0.634242074	0.014758145
17331447	Cadm2	0.594204268	0.014760588
17277063	Rbm25	0.492688154	0.014760588
17266873	Slfn10-ps	-0.582936713	0.014762639
17549002	Polr2k	-0.495958845	0.014766949

17402642	Agxt2l1	-0.53704611	0.014779791
17389034	Rcn1	0.458249323	0.014779791
17207611		0.670686925	0.014779791
17415296	Gm13283	-0.429150962	0.014785178
17449645		1.16856447	0.014819613
17443803	Nxpe5	-0.859172764	0.014825238
17275498	Srp54b	0.434001232	0.014840612
17539997	Was	-0.937341008	0.014840612
17449638		1.198164443	0.014840612
17277294	Isca2	0.570271501	0.014851137
17437998	Guf1	0.674589236	0.014858941
17444924	8430423G03Rik	-0.8414882	0.014868014
17225801	Pdcd1	-0.791421067	0.01487352
17429810	Akirin1	0.72972296	0.014882119
17453129		1.460222529	0.014882119
17366744	Mir669a-3	0.915601907	0.014888361
17270453	1700028N14Rik	-0.597891997	0.014894746
17271710	Cd300lb	-0.563757631	0.014894746
17280285	Gm10330	0.408062862	0.014894746
17370332	Olfr340	-0.642820019	0.014894746
17409858	Rwdd3	0.5565365	0.014903921
17431053	Zdhhc18	-0.521801611	0.014914274
17507799	Angpt2	0.896663255	0.014928314
17278410	Gskip	0.779248917	0.014928314
17487500	LOC101056689	0.614435696	0.014942852
17362741	Pga5	1.996757233	0.014946835
17209899		-0.801508601	0.014946835
17417952	LOC101055647	-1.065426345	0.014949927
17364139	Slc16a12	1.15711758	0.014957782
17446793	Slc5a6	0.503813503	0.014957782
17517576	Hmg20a	0.485730783	0.014960903
17204133		1.764261993	0.014964448
17307046	Cenpj	0.552696695	0.014965112
17398428		-0.544419136	0.014969324
17345862	Gm16554	-0.798375205	0.01497895
17207273		1.199592105	0.014981046
17240119	D830005E20Rik	-0.571122258	0.014994511
17492385	Kif7	-0.617841537	0.015000277
17525727	Olfr952	-0.683917488	0.015000277
17302490	Scel	0.902398752	0.015000277
17202381		-0.538995173	0.015000277
17264940	Slc35g3	-0.726033273	0.015007185
17550607		-1.528373779	0.015012942

17440037	Lpcat2b	-0.630046667	0.015029286
17353219	Rit2	0.965603242	0.015029286
17287733	Ddx46	0.70531429	0.015034965
17309580	Dock9	0.689931266	0.015034965
17537722	Hnrnp2	0.567539743	0.015034965
17206159		-0.861974579	0.015034965
17468183	Actg2	-0.917372862	0.015039889
17231801	Reps1	0.697199	0.015039889
17306304	Sall2	-0.568370803	0.015060893
17366170	Csf2ra	-0.832390424	0.015064153
17469035	Tmem43	0.861172763	0.015064153
17253947	Zfp207	0.398419701	0.015064153
17470683	1700013D24Rik	-0.609324335	0.015072307
17214771	Col4a3	-0.582277323	0.015072307
17405197	Nhlrc3	0.702610117	0.015072307
17502147	Use1	0.59598001	0.015072307
17259513		1.445525965	0.015072307
17366940		1.118868907	0.015072307
17310368	Adamts12	-1.050530189	0.015099021
17283947	Begain	-0.555331709	0.01510655
17445755	Phtf2	0.578238315	0.01510655
17278090	Chga	0.697897486	0.015113749
17408696	A130049A11Rik	0.665849398	0.015116758
17275472	Srp54b	0.435297524	0.015116758
17308388	Sftpc	-0.521511721	0.015121508
17257057		0.474884177	0.01514432
17344653	Gm7030	-0.50175986	0.015161057
17504601	Ces3a	-0.784650878	0.01516278
17537081	Tlr13	-1.552692941	0.01516278
17403325	Sep15	0.441874893	0.015204843
17202463		-0.693358604	0.015204843
17278779		1.276232073	0.015204843
17362521	5730408K05Rik	0.581981574	0.01521691
17203895		-0.887999787	0.015228064
17333023	Tagap	-0.60173101	0.015233732
17481684	Akip1	0.538229737	0.015241328
17338388	Trem12	-0.842686279	0.015241328
17269868		-0.495085055	0.015241328
17549514		-0.497883573	0.015243833
17379744		-0.742366624	0.015243833
17293318	BC051665	-0.615115791	0.015259355
17283938		1.270126813	0.015265497
17466798	Hoxa1	0.900188654	0.015270368

17454500	Tmem184a	0.866081148	0.015270368
17271891	Atp5h	0.91904899	0.015272083
17307080	Pspc1	0.495515058	0.015274132
17500752	Gm16193	-0.490529713	0.01528184
17329527	Mb21d2	0.658936946	0.01528641
17457753	Gm5409	-0.692837261	0.015310321
17373825	Cd59a	0.512517949	0.015312796
17329350	Tbccd1	0.782833929	0.015312796
17238447		-0.649343693	0.015314671
17308182	Chmp7	0.606624739	0.015315145
17286496	Tubb2b	1.05741559	0.015315145
17209153		-0.845951424	0.01533924
17362555	Stxbp3b	0.930378879	0.015345749
17255157	Nme1	1.263196247	0.015346609
17524760	Kank2	-0.664418731	0.015378096
17357700	Ms4a4d	-0.752521271	0.015390592
17203947		1.508654119	0.015399241
17414068	Rnf20	0.634050681	0.015409063
17418439	Snip1	0.545621808	0.015409364
17271842	Fads6	-0.668428957	0.015422486
17513525	Gins2	0.602911579	0.015422873
17411147	Ifi44	1.08917089	0.015422873
17201191		1.129027087	0.015422873
17527271	Acsbg1	-0.44821076	0.015437605
17314972	Atf1	0.817976345	0.015437605
17383013	Sec16a	-0.63936648	0.015437605
17474315	Ceacam11	-0.680511366	0.015446936
17454335	Zfp68	0.982018731	0.015446936
17358010		0.844462746	0.015477542
17486764	Obox6	-0.518838188	0.015488753
17401036	Nhlh2	0.905175521	0.015499967
17247695	Xpo1	0.552741415	0.015499967
17215681	Rbm44	-0.570638174	0.015503624
17412871	Nudt2	0.623704338	0.01550774
17233736	Sar1a	0.406263816	0.015517005
17442759	4930572K03Rik	-0.56280061	0.01551947
17512117		-0.970075216	0.01551947
17220758		1.198971884	0.01551947
17204785		-0.681484873	0.01551947
17457519	8030453O22Rik	-0.51212861	0.015531435
17287066	Rnf144b	0.467692767	0.015531435
17225815	St8sia4	0.985049578	0.015531435
17238936	Syne1	-0.63754988	0.015531435

17300411	Thtpa	0.616272406	0.015531435
17300209	Traj21	-0.609731544	0.015531435
17522575		-0.52994127	0.015531435
17375742	Ap4e1	0.823967857	0.015533749
17550817		-0.497399281	0.015539992
17207261		-0.824417674	0.015539992
17343176	Tff1	-0.827476874	0.015555425
17253157	Timm22	0.692798812	0.015555944
17231423	Akap12	0.680156065	0.015563903
17537163	Fam46d	-0.59439425	0.015563903
17420817	Gm13028	-0.528005913	0.015563903
17370209	Gsn	0.640007761	0.015563903
17203625		-0.649477579	0.015563903
17411869		-0.54975516	0.015563903
17459857	M1ap	-0.499586613	0.015586038
17429288	Olfr1329	-0.828029883	0.015589016
17257654	Gm11712	-0.472272083	0.015593221
17394349	Ncoa5	0.565501136	0.015593221
17444792	Rpl21	0.68844498	0.015613624
17496555	Maz	-0.442562726	0.015617946
17427181	Gm12669	0.702913825	0.01562292
17222880	Gls	0.437180863	0.015626478
17324691		-0.53761702	0.015644391
17516633	Ddx6	0.511141923	0.015648079
17379884	Gm14291	-0.811553177	0.015648079
17307017	Gzmf	-0.612057199	0.015648079
17356692	Ppp2r5b	-0.770681494	0.015648079
17316493	Rpl7a-ps3	-0.727837679	0.015648079
17385924	Scn3a	0.623313579	0.015648079
17293897	Zfp712	0.888635682	0.015648079
17208341		-0.820623944	0.015648079
17525599	Ccdc15	0.785891361	0.015677376
17548356	Gm10572	-0.431248578	0.015677376
17461060	LOC100503057	0.514206662	0.015695717
17464571	Mir489	-0.658510426	0.015710922
17444851	D5Erttd605e	-0.861809417	0.015721896
17439535	Bmp3	0.546595261	0.015726678
17278612	Mir342	-0.658184869	0.015726678
17276714	Mpp5	0.471654054	0.015726678
17261982	Adra1b	-0.434342783	0.01574672
17456318	Ing3	0.574171492	0.015784528
17241968	Smarb1	0.519439846	0.015784528
17262055	Nipal4	0.792687439	0.015784751

17506824	Gnpat	0.573664719	0.015785511
17505927	Atmin	0.529101093	0.015788959
17510667	Tmem184c	0.563842524	0.015811741
17346744	Txndc2	-0.644204963	0.015811741
17524731	Yipf2	0.487453352	0.015811741
17356425		0.796712364	0.015811741
17501600	1700125H03Rik	-0.569650824	0.015815632
17249423	9430098F02Rik	0.841660187	0.015826747
17463441	Tom1	0.508992837	0.015844379
17201437		-0.511299662	0.015846689
17206167		-0.856538034	0.015846989
17542516	Hcfc1	-0.51514226	0.01584942
17350081	Kctd16	0.51514815	0.015853369
17363390	Rorb	1.073028344	0.015861327
17469089	Mrps25	0.537294123	0.015864192
17301113	4930556J02Rik	-0.566307846	0.015888296
17509425		-0.455658698	0.015900522
17416243		-0.502791003	0.015902578
17534892	Zfp449	0.992682774	0.015903366
17265625	Med31	0.649670436	0.015921161
17268240	Gm11527	-0.658070914	0.015937833
17212423	Ercc5	0.482751737	0.015939221
17484098		0.656762959	0.015945964
17204613		-0.615741292	0.015958385
17336681	Tnxb	-0.567423299	0.015962863
17209197		-1.273936142	0.015962863
17460252		-0.765775922	0.015967895
17218889	Slc19a2	0.508927752	0.015985221
17279550		-0.602802178	0.015988884
17201239		-1.397430137	0.015989272
17411907	Triqk	0.7774142	0.01600234
17403138	Eif4e	0.442774221	0.016029445
17510428	Fcho1	0.575153298	0.016029445
17536221	Gm5071	-0.598730607	0.016029645
17536223	Gm5071	-0.598730607	0.016029645
17209209		1.488245805	0.016029645
17550679		-1.026114082	0.016029645
17412965	Ccl21a	-0.474257234	0.01604896
17413025	Ccl21a	-0.474257234	0.01604896
17413123	Ccl21a	-0.474257234	0.01604896
17434150	Ccl21a	-0.474257234	0.01604896
17360842	Slc18a2	-0.618848229	0.01604896
17317086	Taf2	0.739116611	0.016052708

17357478	Tmem258	0.740330257	0.016079907
17245624	Usp15	0.509308577	0.016079957
17375976	Gm14009	-0.500618726	0.016101121
17300261	Oxa1l	0.47531631	0.016123559
17291078	Gm11300	-0.600474859	0.016175964
17262209	Gm5431	-0.612614394	0.016175964
17319289	Josd1	0.452723831	0.016175964
17338599	St6gal2	0.634154881	0.016175964
17264971	Tmem102	1.026580134	0.016175964
17255258		-0.997769364	0.016175964
17272017		-0.438389956	0.016175964
17359926		1.257462735	0.016182518
17448214	Rell1	0.493441703	0.016192864
17494503	Prkcdbp	-0.626255448	0.016193403
17384951	Zeb2	-0.542809512	0.016197195
17413789	Ncbp1	0.774445561	0.016211627
17233063		1.672107989	0.016211627
17340772	LOC101056603	-1.1779004	0.016220479
17202221		0.898429478	0.016220479
17483577	Itgam	-0.822948902	0.016222344
17203631		1.000148249	0.016223821
17508134	Agpat6	0.647847153	0.016227216
17282435	Numb	0.846590297	0.016227216
17502976	Ddx39	0.544846161	0.016237917
17267954	Epn3	0.798945325	0.016237917
17294934	Thbs4	-1.083986795	0.016238763
17407138	Il6ra	-0.823846016	0.016243579
17299589	Ear5	-0.602239801	0.016257093
17366768		1.676136988	0.016257093
17543781	Nap1l2	0.739235896	0.016277875
17438322		0.586003422	0.016277875
17257054		0.54911723	0.016283903
17547879	Derl1	0.535436084	0.016291441
17538186		1.014015027	0.016307788
17335474	Gm16194	-0.561462058	0.016307962
17220754		1.471334448	0.016325903
17202105		0.8974093	0.016356295
17502102	Myo9b	-0.601663113	0.016384556
17351708	Cxxc1	0.601145669	0.016388265
17275776		-0.699880023	0.016390272
17357904	Olfr1454	-2.452873861	0.016391841
17355538	Haus1	0.65856581	0.016404611
17290770	Mrpl32	0.567038232	0.016404611

17536230		-0.499809592	0.016414488
17315398		0.956984604	0.016414488
17240800	Gopc	0.528587817	0.016438091
17237835	Ctdsp2	-0.448646324	0.016472404
17540136	Gm5634	-0.930629553	0.016472404
17478277	Zdhhc13	0.714400946	0.016472404
17299891		-1.230880962	0.016485984
17364707	Arhgap19	0.780051982	0.016490123
17298267	Itih4	-0.940912301	0.016494539
17548102	Cycs	0.94007117	0.016494603
17548541	Cycs	0.94007117	0.016494603
17303125	Gm21103	0.552816112	0.016494603
17421856	n-R5s193	-0.751609091	0.016494603
17247067	Ykt6	0.775440861	0.016494603
17279157		0.425940093	0.016494603
17206905		1.675821804	0.016494603
17359967	Nfkb2	-0.470668255	0.016495532
17428684	Akr1a1	-0.456293506	0.016504411
17203197		0.871552827	0.016504411
17357810	Mpeg1	-1.049016774	0.01650781
17519394	Myo5a	-0.852349572	0.01651487
17205455		0.982541883	0.01651487
17209063		1.742878932	0.01651487
17284373	Ighm	-1.046996399	0.016545021
17548211	Gm13777	-0.480834501	0.016549135
17508471	Fnta	0.421587239	0.016571441
17513236		-0.857618429	0.016571441
17231491	Gm3213	-0.658900045	0.016594011
17221754	Gm6420	-0.576484306	0.016594011
17314515	Arid2	0.587794749	0.016594072
17233384	Fabp7	1.652236248	0.01659459
17506439	Gm10612	-0.631384933	0.016597046
17381043	Tpd52l2	0.472229482	0.016597046
17474846	Vmn1r170	-0.744156536	0.016601407
17208271		-0.838934911	0.016619621
17459425	Eif2ak3	0.692127018	0.016620875
17286320	Foxq1	1.296274508	0.016624756
17206835		1.879298274	0.016624756
17204117		-1.25682971	0.0166312
17419354	Srsf4	0.641776695	0.016632962
17207951		-0.786217758	0.016633049
17471840	Magohb	0.799886837	0.016641277
17255482	Gm11534	0.574725215	0.016652883

17392025	Trmt6	0.895607123	0.01665356
17450283	Mapk10	1.248475623	0.016657887
17245044	Tmem19	0.500224884	0.016657887
17533336	Atp6ap2	0.557524164	0.01666565
17534669	n-R5s6	-0.506060718	0.01666565
17291469	Prl7a1	0.572213502	0.01666565
17313350	Zc3h7b	-0.6801034	0.01666565
17312139		-0.690176539	0.01666565
17422047	Nol9	0.557559974	0.016667561
17297413	Nudt13	0.753807784	0.016685779
17321094	Col2a1	-0.751016351	0.016687434
17353962	Fgf1	-0.563281684	0.016687434
17508167		1.257675287	0.016708959
17293250	4921517D22Rik	-0.737829485	0.016710751
17509235	Trappc11	0.562185167	0.016710751
17283934		3.136719635	0.016710751
17483264	Itgal	-0.601771776	0.016712919
17422404	Ttc34	-0.633468912	0.016713362
17521523	Traip	0.536924957	0.016716456
17249272	9230009I02Rik	-0.832185615	0.016725585
17423037	Impad1	0.572148744	0.01672859
17403919	Depdc1a	0.595653409	0.016732291
17204411		1.100548134	0.016734293
17304768	Colq	-0.52847381	0.016735056
17503260	Dnase2a	0.428967099	0.016735056
17510605		-0.79259466	0.016735056
17538427		-0.72554641	0.016759321
17457308		-1.363092112	0.016768684
17318118	9030619P08Rik	-0.507514274	0.016781355
17471231	Prmt8	0.55579084	0.016781355
17221117	4732440D04Rik	-0.623086214	0.016785008
17316328	Cct5	0.425465247	0.016785008
17465557	Copg2	0.688192237	0.016785008
17244244	Nedd1	1.032260475	0.016785008
17384182	Zbtb43	0.723216028	0.016785008
17340745	Gm17748	-0.501357667	0.016785271
17362784	Tmem132a	-0.686711901	0.016785271
17492106	Gm6567	-0.664863905	0.016787889
17461494		-0.446958828	0.016787889
17415134		-0.521636544	0.016787889
17403879	Ankrd13c	0.445919563	0.016794188
17212947	Spats2l	0.705523728	0.016794188
17272163	Trim47	-0.5499689	0.016794469

17262342		2.191419226	0.01679537
17551155		-0.786182961	0.016838721
17332778	3300005D01Rik	-0.775892494	0.016842415
17417437	Gpbp1l1	0.493762681	0.016842806
17479099	Igf1r	-0.777040664	0.016842806
17532442	Zfp445	0.674426659	0.016842806
17511887	Ciapi1	0.550978598	0.016847413
17329833	Fbxo45	0.50827444	0.016847413
17544196	Hdx	0.559805964	0.016869175
17288872		1.024976425	0.016877772
17222959	1700019A02Rik	-0.671149079	0.016911741
17271776	Cd300lf	-0.663507654	0.016916923
17548479	Mrps17	0.771051728	0.016920296
17464934	2610001J05Rik	0.531158601	0.016925852
17547696	2900097C17Rik	0.650545997	0.016925852
17407886	Rprd2	0.566475137	0.016929566
17206313		1.017946087	0.016938216
17261995	Ublcp1	0.766020175	0.016946837
17404009	Gm6194	-0.730924234	0.016963045
17319847	Ttll1	0.794306901	0.016963045
17239465		0.80412683	0.016978109
17526929	1110032A03Rik	0.520846736	0.016978969
17468678	Isy1	0.596725669	0.016978969
17550540	ND3	-0.761404155	0.016978969
17488848	n-R5s153	-0.539935638	0.016983409
17203381		1.183199306	0.016986272
17250249	Nlrp3	-0.671345872	0.016991252
17207183		-0.884739058	0.016991252
17249863	Gria1	0.843801558	0.017001236
17343026	Ppil1	0.677796765	0.017011715
17461341	Itpr1	-1.07785836	0.017032746
17475218		-1.008186396	0.017037264
17305064	9230112D13Rik	-0.650509532	0.017039838
17227464	5730559C18Rik	0.454939835	0.01704332
17301697	Tnfrsf10b	0.537483927	0.01704332
17506991	Nrp1	-0.913102618	0.017045898
17208605		-0.823860841	0.017045898
17443921	6330403L08Rik	-0.590941838	0.01705323
17550312	Scarna9	0.767316036	0.01705323
17441952	Brap	0.578740091	0.017066243
17281412	Klhl28	1.027305068	0.017066243
17410381	Rpl34	0.51725922	0.017066243
17421895	Slc2a7	-0.577502269	0.017066243

17369882	St6galnac4	-0.598635549	0.017066243
17448641		-0.904781057	0.017066243
17394629		-0.479280024	0.017066243
17249888	Mfap3	0.677144898	0.017066286
17237079	Gm15663	-0.604721066	0.017085355
17373778	Lincrd1	-0.548858227	0.017085355
17520073	Nt5e	0.912028688	0.017099
17515729	Prdm10	0.642084352	0.017099
17547620	Ftl1	-1.081412466	0.017099747
17257197	Mapt	0.582980956	0.017102076
17400562	Hist2h2bb	0.467610496	0.017104651
17368947	Odf2	0.456385586	0.017112042
17231033	Atf3	0.541932816	0.017126373
17210619		-0.747970903	0.017128363
17275832	Fancm	0.452067968	0.017145671
17215647	Prlh	-0.71122211	0.017158981
17370594		0.609244295	0.017158981
17534122	Ube2a	0.604741075	0.017164024
17546109	Tlr7	-0.979395534	0.017199046
17329937	Umps	0.74029735	0.017199046
17526506	4833428L15Rik	-0.414215371	0.017204112
17206757		1.435457888	0.017204112
17288035		0.758865087	0.017204112
17203233		1.338158641	0.017204112
17324441	Rtp1	-0.493575993	0.017205899
17443185	Mlxipl	-0.584807257	0.017208315
17377793	Tpx2	0.690420059	0.017208315
17249232		-0.560265541	0.017208315
17207115		-0.903804734	0.017211776
17238848		-0.836933545	0.017219732
17407017	Adam15	-0.678872884	0.017226513
17544754	Morf4l2	0.444724966	0.017239347
17362190	Fkbp2	-0.52114075	0.017240216
17367448	Thns1	0.629945129	0.017259735
17244572	Tmtc3	0.565145412	0.017276046
17251728	Zbtb4	-0.665958074	0.017279076
17205375		-0.578157491	0.017298347
17261865	Ccng1	0.386101454	0.017304883
17222719	Col5a2	-0.912913543	0.017304883
17236288	Igf1	-0.815141755	0.017313287
17233694	Prf1	-0.579066544	0.017313287
17267623	Gm10367	0.677316731	0.017321464
17208645		1.388599291	0.017323905

17536945	1700011M02Rik	-0.798909164	0.017327243
17373943	Pax6	1.083657378	0.017327243
17378802	1700060C20Rik	-0.591565994	0.017335113
17351282	Nedd4l	0.79882252	0.017335113
17534958		-1.024773547	0.017339909
17217552	Ube2t	0.899985549	0.017349706
17203225		1.092904087	0.017350234
17201145		1.343986004	0.017350303
17393805	D630003M21Rik	-0.593557446	0.017350308
17477832	Ftl1	-1.02807816	0.017360168
17329720	Gm15742	-0.625405931	0.017360168
17286973	Gmpr	-1.293815707	0.017360168
17432835	Plod1	0.643628348	0.017360168
17201187		0.842767572	0.017360168
17200365		1.365006033	0.017360168
17546620		-0.516861789	0.017360168
17368674	Gbgt1	-0.539022404	0.017362435
17206813		-0.596015243	0.017376118
17449522		0.86672494	0.017379911
17229128	BC055324	0.905313102	0.017413188
17501061	Enpp6	-0.727498174	0.017413188
17415835	Ror1	0.86577874	0.017419699
17330201		-0.669288427	0.017433058
17387948	Olfr1241	-0.515996711	0.017437875
17211258	Rdh10	0.456985115	0.017437875
17462052	Gm20404	-0.420795297	0.017446875
17374212	Olfr1317	-0.493623018	0.017454583
17358515	Mir101b	-0.536850272	0.017454895
17427117	Gm16686	-0.740858515	0.017462194
17206247		0.891874513	0.017490182
17234809	Olfr1358	-0.87721015	0.017503857
17432320	Cela2a	-0.759195956	0.017525479
17324733	Cep19	0.662386107	0.017526258
17489801	Nudt19	0.407279513	0.017531897
17355058		-0.55518619	0.01755157
17405819	B3galnt1	0.665862077	0.01756018
17509531	1700001D01Rik	-0.599177244	0.017560349
17455234	Rnf6	0.477533255	0.017562571
17250744	2410006H16Rik	-0.788912623	0.017564545
17371436	Bbs5	0.45587775	0.01756578
17373794	Fbxo3	0.40940169	0.01756578
17494172	Olfr605	-0.699440998	0.01756578
17283770	Glr5	0.880627061	0.017583471

17388104	Slc39a13	-0.493600845	0.017583471
17467250	Snca	0.685849248	0.017583471
17418271	Fhl3	-0.547271237	0.017588635
17454428	Micall2	-0.573796881	0.017609593
17527875		-0.724270121	0.017609593
17517222	Arhgap20	0.891254437	0.017610254
17525090	Glb1l2	0.907769259	0.017610254
17281142	Cfl2	0.458094094	0.017613333
17248589	Gm12148	-0.715945138	0.017613333
17307431	Gm20017	-0.711956109	0.017613333
17543336	Las1l	0.568514279	0.017613333
17526674	Rexo2	-0.499310247	0.017613333
17451128	Pus1	0.577677066	0.017640931
17205711		-0.646148011	0.017640931
17317205		0.570917145	0.017658653
17298171	Dcp1a	0.459630233	0.017689466
17476998	Hmg1l1	0.582092947	0.017689466
17409792	Palmd	0.535738435	0.017708318
17473985	Gm4023	-0.618303411	0.017741274
17290457	Ryr2	0.893993962	0.017741274
17468231	Vax2os	-0.529549556	0.017741274
17282858	Ism2	-0.723129608	0.017743695
17519052		-0.590417231	0.017744201
17319412	Enthd1	-0.441859531	0.017755127
17302376	Pibf1	0.504198508	0.017762046
17491759	Peg12	-0.750200427	0.01777941
17345109	Slc25a27	0.753563591	0.017819268
17209089		-0.68434653	0.017819427
17348983	2700062C07Rik	1.00369692	0.017842774
17535712	Avpr2	-0.386748663	0.017842774
17280426	C630031E19Rik	-0.591863308	0.017842774
17548360	Mul1	-0.465363466	0.017846435
17413945	Nr4a3	0.830143847	0.017865239
17502249	Pgls	-0.55839	0.017865239
17439013	Epgn	1.093121982	0.017867552
17453288	Ncf1	-0.790284143	0.017882455
17351027	Pdgfrb	-0.893124209	0.017894075
17361299	2010003K11Rik	-0.48693832	0.017913754
17341132	Phf10	0.422330792	0.017913754
17550014		-0.77881542	0.017931602
17433743	Ski	-0.563060397	0.017935436
17305542	4930503E14Rik	-0.579551672	0.017941401
17538750		1.049681306	0.017941401

17214881		0.488946713	0.017947947
17293242		0.690126204	0.017947947
17413591	Polr1e	0.453834009	0.017951323
17253376	Sez6	0.412333867	0.017951323
17383663	Ier5l	-0.579191231	0.017961903
17493167	Tyr	0.642393595	0.017961903
17311706	D15Ert621e	0.580629921	0.017984325
17515884		0.651469138	0.017994504
17413942	Gm12434	-0.801112996	0.018016671
17321351	Prkag1	0.578053624	0.018016671
17208135		-1.133369632	0.018016671
17266590	Evi2a	-0.592770132	0.018017703
17506694	Gm19600	-0.44464393	0.018023784
17526349	Arcn1	0.485706504	0.018028268
17430894	Smpd13b	-0.660305752	0.01802941
17320068		0.71554865	0.018032277
17456152	Cav2	0.442724532	0.018042531
17248071		1.470836492	0.018042531
17320811		-0.735806005	0.018042531
17515035	A230050P20Rik	-0.510785823	0.018052093
17347236	Nlrc4	-0.578697892	0.018052093
17330708	Phldb2	-0.485417001	0.018054445
17517424	Ireb2	0.504363597	0.018067805
17501367	Nek1	0.65075792	0.018067805
17538778		-0.788072682	0.018067805
17248078		0.609215907	0.018067805
17406025		-0.78527754	0.018072397
17393092	7530422B04Rik	-0.634983903	0.018072751
17323945	Abcf3	0.461060297	0.018075964
17264867	Senp3	0.577525465	0.018075964
17312427	Mroh1	-0.690864842	0.01807775
17266672	Tefm	0.622278907	0.018080628
17217566	Ptpn7	-0.799290807	0.018087003
17252495		-0.804999767	0.018104945
17206357		-0.573241303	0.018104945
17516030	Tmem218	0.934230831	0.018117748
17297639	Vdac2	0.413528639	0.018117748
17280173	1700030C10Rik	0.478071899	0.01812239
17355113	Ccbe1	-1.119604324	0.01812239
17361850	Cdc42ep2	-0.64503044	0.01812239
17319524	Gm17597	-0.500162109	0.01812239
17518134	Gm5122	-0.566488336	0.01812239
17312835	Nol12	0.409635767	0.01812239

17301272	Prss51	-0.607443675	0.01812239
17412166	Sfrs18	0.667926464	0.01812239
17205639		-1.064480821	0.01812239
17208011		1.028694187	0.01812239
17254660	Vmp1	0.626179412	0.018131139
17200459		1.253072288	0.018148989
17224698	Gm2102	-0.498718974	0.018182302
17511263	Best2	-0.572855752	0.0181844
17257062		0.505854862	0.01818702
17248793	Fam71b	-0.499808653	0.018203905
17240720		-0.576061818	0.018217316
17431955	Arhgef10l	-0.53689501	0.018220854
17205297		1.227121052	0.01822385
17341150	Tcte3	0.539959847	0.018225427
17550602	Rn45s	-0.582580949	0.018237336
17285849		-0.707552118	0.018237336
17538814		-0.867673456	0.018237336
17510498	Eps15l1	0.410122362	0.018248801
17528581		-1.028772833	0.018251495
17292174	Atxn1	-0.570280677	0.018261482
17269516	Klhl11	0.518492997	0.018261482
17479841	A530021J07Rik	-0.672951812	0.018268661
17209083		-0.965632593	0.018268661
17302156	Gm19301	-0.588020956	0.018272813
17404091	Fabp4	-1.662405052	0.018275227
17548563	Gm10388	-0.471530492	0.01828677
17413958	Stx17	0.618129554	0.018296494
17431907		0.623964348	0.018315356
17358482	Ppapdc2	0.548742104	0.018335923
17271133	C330019F10Rik	-0.512276806	0.018337628
17289549	n-R5s56	-1.505414656	0.018337628
17281291	E030019B13Rik	-0.593483469	0.018351178
17481157	Olfr570	-0.631973883	0.018351178
17374594	Pak6	0.481125429	0.018351178
17300044	Trav14n-2	-0.459225081	0.018351178
17416763		1.395493497	0.018351178
17213503	9530026F06Rik	-0.457361294	0.018355789
17233886	Atoh7	-0.788686052	0.018372371
17536036	Gm14750	-0.868500628	0.018372371
17303018	2610042L04Rik	0.92556293	0.018384694
17336838	Vars	-0.642999383	0.018384694
17355508	Gm7276	-0.520746552	0.018387684
17372862	Olfr153	-0.791953458	0.018396219

17231733	Adat2	0.468528621	0.018398624
17396652	Cldn11	0.90176073	0.018439311
17550192		-0.543276862	0.01845185
17353200	Gm3227	-0.802337907	0.018455086
17277550		-0.412897642	0.018455086
17501250	Hpgd	1.002447965	0.018469865
17394297	Pltp	-0.497384821	0.018493115
17283545		0.474786387	0.018493115
17208399		0.919973734	0.018510647
17388389	Cry2	0.608130518	0.018519667
17475512	Cyp2t4	-0.581326913	0.018519667
17441037	Oasl2	0.724082818	0.018519667
17278767		1.171607638	0.018519667
17209655		-0.830112576	0.018519667
17366862		1.677392069	0.018519667
17532597	mt-Tv	0.858969127	0.018540683
17278110	Ubr7	0.663471924	0.018552599
17239142	Samd5	0.968732958	0.018558949
17405838	Gm6634	-0.761072819	0.01857248
17313047	Gm10856	-0.534566361	0.018573962
17462351	Il17ra	-0.669522454	0.018576602
17387736	Olf1107	-0.596212052	0.018584921
17291833	Eci2	0.744626566	0.018603197
17500496	Gtf2e2	0.513526186	0.018603197
17542117	Mir547	-0.771448838	0.018603197
17486425	Vmn2r52	-0.555462668	0.018603197
17209671		-0.960577426	0.018603197
17200239		1.681016363	0.018603261
17550332	LOC101056194	-1.02797086	0.018631504
17550360	LOC101056194	-1.02797086	0.018631504
17493331	Pcf11	0.475034153	0.018631504
17246682	Pes1	0.570945703	0.018631504
17539191	A830080D01Rik	0.577904302	0.018644623
17289137	Homer1	0.428998116	0.01865541
17501408	Sh3rf1	-0.50650716	0.01865617
17532619	mt-Tg	1.174512231	0.018665612
17411635	Rab2a	0.402262212	0.018671445
17326003		-0.703934299	0.01868351
17469404		-0.569597153	0.01868351
17433461	Hes3	-0.637683887	0.01869722
17501292	Hmgb2	0.452051898	0.018703205
17456304		-1.011754593	0.018709397
17463387	Tspan11	0.58322405	0.018713039

17512809	Hp	-0.909189549	0.01871533
17448645	Nfxl1	0.469397741	0.01871533
17406552	Pear1	-0.926400185	0.01871533
17504093	Rspry1	0.732896766	0.018717157
17282868	Sptlc2	0.557990225	0.018717157
17226263	Tmem177	0.460609279	0.018717157
17364007	Gm7237	-0.624772104	0.018727319
17546246	Spry3	1.141652135	0.018732849
17282222	2310015A10Rik	-0.455029597	0.018747296
17215605	Cxcr7	0.729010662	0.018747296
17514326	Gm10722	-0.859127136	0.018749797
17245334	Dyrk2	0.628212547	0.018753676
17530719	4930517N10Rik	-0.565652917	0.018782948
17225138	Htr2b	-0.574408317	0.018803592
17316737	n-R5s39	-0.474083674	0.018806013
17311152	Odf1	-0.474083674	0.018806013
17316371		-0.634827632	0.018806013
17550040		-0.634827632	0.018806013
17455903	Asb4	-0.990530434	0.018829962
17548979		0.891766428	0.018829962
17473660	Zfp418	0.925037853	0.018839122
17415432		-0.48815804	0.018851219
17336956		1.950046023	0.018860892
17266792	Gm11423	0.463977002	0.018878966
17204919		1.754128266	0.018881542
17303757	Dnajc9	0.611612988	0.01888523
17284894	Asb13	0.876021526	0.018892131
17546355	Rbmy	-0.497215288	0.01889379
17526261		-0.618253073	0.01889509
17515400		0.58676027	0.018903927
17536206		-0.631114194	0.018906189
17300372		0.57577319	0.018906189
17517112	Sdhd	0.591473367	0.018941529
17509127	1700029J07Rik	0.601181863	0.018943694
17373739	Elf5	0.702420328	0.018945399
17296639	D830030K20Rik	0.834776699	0.018949131
17432440	Pdpm	0.487454646	0.018953061
17285687	Hist1h4j	-0.698719335	0.018971608
17217789	Kif14	0.667570473	0.018971608
17365331	Pitx3	-0.584998443	0.018971608
17392722		-1.015478763	0.018975932
17550156		-1.015478763	0.018975932
17404896	Cetn4	-0.429483166	0.018979656

17245481	Rassf3	0.910741913	0.018991485
17416005	Gm12800	-0.76576726	0.018993562
17344405	Ddr1	-0.647716843	0.01899601
17336073	Olfr239	-0.476065454	0.019008925
17239471		0.959170433	0.019014752
17357270	1810009A15Rik	0.463341803	0.019045682
17435221	Rint1	0.733421738	0.019045682
17397923	Aadac	-0.630408262	0.019057421
17439532	Gm11111	-0.939001558	0.019057421
17366944	Mir669h	0.887098324	0.019057421
17446775	Preb	0.782120684	0.019057762
17201723		0.953964466	0.019062608
17201899		0.953964466	0.019062608
17280561	Dus4l	0.852904521	0.019065385
17421384	Gm13166	0.492826574	0.019068422
17461978	Cand2	-0.51674469	0.019072508
17322825		-0.740581648	0.019077803
17529977	E330023G01Rik	-0.498231463	0.01908089
17308626	Lrch1	0.700198161	0.01908184
17529276	Hmgn3	0.663663849	0.019097247
17541618	Mbnl3	0.978016054	0.019112898
17348462		1.477533383	0.019112898
17219453		0.443458286	0.019120247
17245831	Mbd6	-0.549847206	0.019123085
17337816	Cyp39a1	1.081526926	0.019123607
17341056	Gm16052	0.525746928	0.019123607
17548021	Gm7805	-0.46270086	0.019123607
17207797		0.834434821	0.019135549
17538824		-0.623174724	0.019138554
17375859	Dusp2	-0.532297508	0.019143886
17364642	Pik3ap1	-0.757957797	0.019143886
17398499	Fga	-1.35725787	0.019144679
17442796	Fzd10	0.64581458	0.019152768
17395342	Gm14326	0.808479099	0.019152768
17445713	Mir5109	-0.412940554	0.019194018
17319913	Efcab6	-0.478296788	0.019203301
17512891	Gm21283	-0.689225818	0.019206665
17270086		-0.861607867	0.019212079
17215968	Ppp1r7	0.690198246	0.019222001
17256854	Gm11551	-0.570413274	0.019230024
17456485	Arf5	-0.450323158	0.019231993
17302301		-0.400818254	0.019231993
17427141	Gm12606	-0.624747755	0.019242421

17473087		0.739854265	0.019244424
17524359		-0.407311635	0.019244424
17540374		-0.661497837	0.019244424
17210869	Tcea1	0.486650495	0.019247048
17241643	Ado	0.508505784	0.019256242
17439865	D930016D06Rik	0.571716787	0.019256242
17474657	Nkpd1	-0.74171667	0.019256242
17415177	Rraga	0.413913408	0.019256242
17203805		1.180181482	0.019256242
17400519		0.71332194	0.019262889
17365778	Zdhhc6	0.581276585	0.01926365
17432058	Padi1	-0.918540121	0.01927369
17525649	Nrgn	-0.485554117	0.019294752
17324471	Mir28	-0.597654344	0.01929558
17222440	Rev1	0.606150964	0.01929558
17466878	Hoxa10	-0.581344129	0.019299338
17202277		0.519729363	0.019306449
17387708	Olfr1090	-0.612130878	0.019313641
17353488	Cdc23	0.494900174	0.019331969
17484140	Bccip	0.444771472	0.019343283
17350408	Commd10	0.41441476	0.019343283
17397360	D3ErtD751e	0.571149473	0.019343283
17516118	Olfr877	-0.698560909	0.019343283
17458734	Plekha8	0.66150623	0.019343283
17369672	Ppapdc3	-0.43802548	0.019343283
17468889	Vmn1r49	-0.65221813	0.019343283
17204563		0.641282139	0.019343283
17466140		-0.905775714	0.019343283
17201279		-1.136538505	0.019343283
17205715		1.170516048	0.019343283
17205969		0.603699448	0.019343283
17290927		1.277970718	0.019349853
17387365	Gm13686	-0.516577196	0.019349951
17322488	Cluap1	0.735757479	0.019355504
17548746		-0.597896982	0.019362376
17512502	Gfod2	0.515772541	0.019379972
17467499		-0.526196028	0.019387386
17391437		-2.216354519	0.019387386
17527982	Glce	0.784193551	0.019416399
17449931	Naa11	-0.633474701	0.019416399
17378784	Rprd1b	0.490829879	0.019416399
17474270	Psg-ps1	-0.648355184	0.019429836
17381078	Gm16119	0.487764841	0.019430331

17464850	Thsd7a	-0.64764756	0.019447034
17357535		0.63159594	0.019447034
17203869		0.872940458	0.019452899
17261107	Rel	0.826840319	0.019455299
17216563	Mki67ip	0.42350224	0.019467432
17374972	Pla2g4b	0.897653391	0.019467432
17404402	Ect2	0.560206547	0.019473781
17253972	Psmc11	0.496466583	0.019474695
17403735	Asb17	-0.643251034	0.019492819
17303765	Mrps16	-0.569907075	0.019495612
17350824	Slc12a2	0.983370422	0.019502502
17494020	Art5	-0.745604613	0.019509468
17514926		-0.917736942	0.019509468
17530292		0.908240537	0.019527672
17292915	Dok3	-0.750353914	0.019531696
17225179	Pde6d	-0.449794353	0.019531696
17550669		-0.885508439	0.019531696
17204665		1.449337308	0.019531696
17549930	Copg2as2	0.876899157	0.019533944
17254093	Lig3	0.612132871	0.019533944
17293370	Tpbpa	-0.992166698	0.019533944
17549040		-0.826478606	0.019533944
17549046		-0.826478606	0.019533944
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17549146		-0.826478606	0.019533944
17549154		-0.826478606	0.019533944
17486449	Zik1	0.784369662	0.019550589
17299638	Ear7	-0.701502505	0.019562912
17500108	Fgfr1	-0.850834833	0.019585647
17295685	Marveld2	0.827114953	0.019585647
17550532	COX2	-0.52076621	0.01959271
17314230		-0.564365617	0.01959271
17376063	Zc3h6	0.633270294	0.019605416
17315394		0.608658571	0.019617963
17292671	Msx2	0.972100906	0.019626993
17204413		0.967072664	0.019651933
17243486	1190007I07Rik	0.820566373	0.019654131
17441063	2210016L21Rik	0.534767414	0.019654131
17310816	Cmb1	0.492539464	0.019654131

17206997		1.114796863	0.019654131
17495271	Copb1	0.430431579	0.019672645
17550667		-0.864496832	0.019675996
17528744		-0.556256554	0.019694956
17228099	Gm15479	-0.420721103	0.019705382
17550564	mt-Tg	1.184406402	0.019705382
17220604	1700007P06Rik	-0.537854194	0.019723381
17299243	Gm15218	-0.565720993	0.019730327
17343652	Kifc1	0.894694794	0.019730327
17204489		0.771135334	0.019730327
17283422	Atxn3	0.596932051	0.019742904
17344126	Hspa1b	1.055885783	0.019742904
17320842		-0.692120968	0.019742904
17248196	Asb3	0.597223241	0.019749451
17200767		0.951037804	0.019752675
17491259	Uevld	0.585171506	0.019778802
17497320	Clrn3	-0.484775408	0.019801192
17493067	Vmn2r69	-0.540906637	0.019847894
17547575	Gm20169	-0.576520413	0.01988364
17464573	Tfpi2	-0.648894705	0.01988364
17386210	Lrp2	1.155403591	0.019895322
17264824	Mpdu1	0.554350431	0.019895322
17467451		-0.415431772	0.019895322
17310432	Mtmr12	0.785671824	0.019905121
17322731		-0.995148874	0.019905121
17551159		-0.904315852	0.019928655
17335790	Gm15318	-0.516395244	0.019948364
17352120	Pard6g	0.597176952	0.019948364
17396733	Actl6a	0.442215664	0.019951882
17220452	Taf1a	1.233152936	0.019970628
17282008	Zbtb25	0.623254704	0.019970628
17359931		1.59100142	0.019970628
17233738		0.615437653	0.019970628
17453675	Gm15701	-0.569368114	0.019970911
17550715		-0.400375496	0.019975828
17200099		1.910295231	0.019985349
17408729	Lrig2	0.61897572	0.019988586
17349572	Paip2	0.520228912	0.019992183
17549108		-0.751034992	0.019992183
17477401	2410002F23Rik	0.596014938	0.0199966
17254330		-0.641279698	0.0199966
17550677		-0.935240284	0.020025958
17444372	Cyth3	0.453167603	0.020026571

17290121	Paip1	0.44057276	0.020026571
17448411	1700126H18Rik	-0.544613512	0.020040154
17226701	Gm15848	-0.517710331	0.020041327
17281789	Gpr135	-0.447045206	0.020054346
17427284	Mysm1	0.825168637	0.020061579
17517716	Gm5121	-0.75315417	0.020076161
17326472	Mina	0.734822116	0.020076161
17316480	Rnf19a	0.451744416	0.020076161
17432587		-1.022740073	0.020076161
17202979		2.26513277	0.020076161
17202559		1.141531053	0.020076161
17341691		-1.134288557	0.020076161
17319465	St13	0.38669826	0.020084151
17520364	Plod2	0.439854838	0.020097085
17324820	Zdhhc19	-0.4722935	0.020104612
17375203	Adal	0.639689255	0.020107708
17267632	Dgke	0.452166074	0.020107708
17525310	Fli1	-0.942454494	0.020107708
17484282	Glrx3	0.525826255	0.020107708
17386161	Spc25	0.616624786	0.020107708
17443801		-0.672144007	0.020107708
17356179		-0.691552175	0.020107708
17367536	Apbb1ip	-1.084444123	0.02012609
17274868	Ccdc71l	-0.493634816	0.02012609
17286900	Gm20751	-0.626242606	0.02012609
17503300	Hook2	0.765656139	0.02012609
17300591	Irf9	0.664313017	0.02012609
17244217	Rmst	1.206995733	0.02012609
17210407		-1.099348561	0.02012609
17380969	Rtel1	0.771665993	0.020127576
17271733	AF251705	-0.997480624	0.020132931
17255531	Gm11535	-0.526723577	0.020136937
17549288	LOC631360	-0.705317086	0.020136937
17547755	Nlrp4f	-0.699731788	0.020136937
17520679	Faim	0.604729039	0.020140698
17406363	Fhdc1	1.289322262	0.020154735
17483891	Plekha1	0.627964589	0.020165158
17492175	A830073O21Rik	-0.58036451	0.020167074
17334803	Jmjd8	0.704985545	0.020195658
17346062	Zfp119a	1.092120255	0.020203458
17550380		-0.715339112	0.020203458
17204385		1.668635204	0.020203458
17420834	Gm13021	-0.784226448	0.020204059

17397129	Fgf2	-1.189180225	0.020206248
17288454	Irx4	0.878159069	0.020214328
17355391	Me2	0.840723728	0.020228697
17265818	Olfr410	-0.545675539	0.020241431
17472868	Tm7sf3	-0.523595644	0.020241431
17353169	Gm9955	-0.660480348	0.020242562
17295233	Hmgcr	0.542966352	0.020246693
17261069	0610010F05Rik	0.493782241	0.020249663
17467938	Ctnna2	0.550074022	0.020249663
17534074	Lonrf3	-0.708171222	0.020254537
17214115	1700027A15Rik	-0.698648044	0.020261592
17487779	Lypd4	-0.586603447	0.02027598
17424802	Olfr70	-0.663892668	0.02027598
17459918	Pcgf1	0.673018094	0.020281976
17467310	4930597O21Rik	-0.468638219	0.020297147
17355092	Lman1	0.415144965	0.020297147
17494282	Olfr644	-0.766804712	0.020297147
17364365		-1.287276899	0.020297147
17467415		-0.905996557	0.020297147
17459258		-0.523337203	0.020297147
17426765	Nfib	-1.054826927	0.020299765
17506989		-0.512305339	0.020328124
17423386	D930021N14	-0.662843032	0.020336554
17520775	Stag1	0.407752044	0.020343264
17409703	Trmt13	0.373028215	0.020346988
17537572		-0.511558106	0.020367873
17464901	Tmem168	0.754223244	0.020371141
17409130	Gstm3	-1.017168324	0.020381377
17348453		0.425513323	0.020385753
17447900	4930435H24Rik	-0.430168866	0.020390454
17425603	Gm12538	-0.514920958	0.020390454
17465726		-0.714330438	0.02040889
17341703		0.658332041	0.02040889
17204587		1.522961844	0.020421557
17316607	Gm15940	-0.510513237	0.020450056
17238433	Cs	0.527329035	0.020457648
17286141	Prl3c1	-0.486011053	0.020461339
17547736	Ssr1	1.128930345	0.020463821
17400622	Lix1l	-0.58760545	0.020470654
17442714	Bri3bp	0.527978482	0.020475523
17548153	Cat	1.11868556	0.020481456
17456545	Lep	-0.637118481	0.020481456
17434280	LOC100043918	-0.447668864	0.020481456

17441540	Med13l	-0.564622834	0.020481456
17313575	n-R5s41	-0.878953809	0.020481456
17307215	Zdhhc20	0.517888198	0.020481456
17358012		0.97062627	0.020481456
17442534	Ddx55	0.560264999	0.020492026
17302418	Uchl3	0.664439372	0.020492026
17270974	Ddx5	0.481943818	0.020494813
17415702	L1td1	0.748960974	0.020495056
17291211	Hfe	-0.734773831	0.020549692
17373585	Alx4	-0.577931662	0.020553908
17466532	Pdia4	0.492889486	0.020553908
17340473		-0.426776341	0.02055438
17401364	St7l	0.604165414	0.020558724
17237351		-0.685872701	0.020562054
17209929		1.807262552	0.020563873
17417749	Med8	0.678471654	0.02058908
17294680	Mir3961	-0.723872324	0.02058908
17210855	Lypla1	0.472827814	0.020602371
17408099	Polr3c	0.637029794	0.020602371
17243523		-0.966993426	0.020602371
17242496	Rrp1	0.557063481	0.020603866
17341080	Thbs2	1.025883857	0.020603866
17294694		-0.849614744	0.020605299
17492838	3110040N11Rik	0.526011343	0.020610233
17299834	Trav14d-1	-1.25890107	0.020610233
17521159	Twf2	0.460315201	0.020610233
17398721		-1.335581096	0.020610233
17425123	Anks6	-0.394791242	0.020617754
17350697	Gramd3	0.420809271	0.020617754
17380102	Fam210b	0.611500787	0.020621249
17389608	Meis2	0.99324749	0.020621683
17203077		2.45552707	0.020621683
17506477	2810013P06Rik	0.644621166	0.02063772
17545017	Irs4	-0.903602888	0.02063772
17278012	Cpsf2	0.777002308	0.020640008
17379750	5031425F14Rik	-0.618788186	0.020675249
17468702	H1fx	-0.576980587	0.020680876
17201321		-0.840958399	0.020680876
17419389	Snhg12	0.484939653	0.020689499
17205209		-0.874382238	0.020693951
17209399		-0.874382238	0.020693951
17263007		-0.544998705	0.020696156
17200359		1.480250763	0.020696156

17501260	Fbxo8	0.442120814	0.020706275
17517456	Psma4	0.424869257	0.020706275
17391094	Hdc	0.593689764	0.02072688
17526272		1.137773433	0.020731009
17314460	Irak4	0.444682158	0.020738947
17497187	Tex36	-0.374650238	0.020738947
17477636	Tsk	-0.427671971	0.020738947
17531442	Fbxw18	-0.627896431	0.020749516
17355213	Cep76	0.767781186	0.020751816
17551143		-1.511183171	0.020753053
17544517	Gla	0.661371375	0.020764068
17229110		-0.603529382	0.020775587
17475193	Cic	-0.584637328	0.020776528
17439365		0.778884716	0.020776528
17547777	Gm19281	-0.603119082	0.020796231
17517947	Hexa	-0.43024816	0.020798144
17378395	Myh7b	0.588621993	0.020830891
17549014		-0.974056368	0.020830891
17549136		-0.974056368	0.020830891
17549148		-0.974056368	0.020830891
17408662	Hipk1	-0.487767011	0.020834979
17545496	Gm5646	-0.67624837	0.020843749
17545502	Gm5646	-0.67624837	0.020843749
17516098	Siae	0.981584233	0.020843749
17326367	Gm15839	-0.726876981	0.020853837
17279608	Ncapg2	0.887890889	0.020863195
17483058	Nupr1	-0.492639745	0.020868044
17507128	Fcor	-0.760707448	0.020872471
17326859	Usp16	0.437883068	0.020883757
17523186		1.092378445	0.02088467
17435748	Hadhb	0.701274849	0.020890265
17528175	Dis3l	0.586250123	0.020893428
17205019		0.886935046	0.020903046
17354128	Eif3j2	0.500846733	0.020908232
17498607	Mcoln1	0.561033889	0.020908232
17425631	Svep1	-0.848736974	0.020908232
17376583	4921508D12Rik	-0.537331439	0.020910016
17350420		-0.479550501	0.020910016
17409663	Gpr88	-0.504823536	0.020913999
17210779		0.872604154	0.020931319
17430906	Themis2	-1.048039063	0.020936163
17208239		-0.814167221	0.020936163
17447696		-0.631644667	0.020953002

17339462	4930471L23Rik	-0.664188514	0.020955469
17528388	BC050972	-0.662227982	0.020973508
17385329	Prpf40a	0.433137569	0.020977541
17407775	Anxa9	0.561110332	0.020999032
17200461		1.501698308	0.021044087
17250205	2310033P09Rik	0.392133185	0.021057719
17521141	Mir135a-1	-0.797733515	0.021071294
17207627		-0.912431555	0.021071294
17295130	F2r	-0.501893819	0.021080257
17529169	Cox7a2	-0.507456905	0.021082795
17332628	C2cd2	0.689365331	0.02109757
17550418	Mirg	0.709637836	0.02109757
17434614	Dmtf1	0.519910176	0.021099106
17443613	Tfr2	-0.555751255	0.021102295
17285225	Gm2399	0.626694894	0.021140967
17238974	Fbxo5	0.631541104	0.021145015
17238840		-0.696264545	0.021152516
17382845	C330006A16Rik	-0.547394031	0.021157641
17467513		-0.525827604	0.021165269
17335129	Hmga1	-0.742693845	0.021166128
17389315	Nutm1	-0.54843056	0.021166728
17272337	n-R5s74	-0.807817922	0.02116751
17547935	AA066038	-0.567407717	0.021169482
17328610	2610318N02Rik	0.918368746	0.02117462
17432976	Angptl7	-1.560407896	0.021198347
17548036	Gm9258	-0.731377504	0.021198347
17267039	Lhx1	-0.799816046	0.021198347
17537581	Tnmd	0.495898303	0.021198347
17459894		0.864782051	0.021198347
17366828		0.85239137	0.021205371
17512229	Dync1li2	0.578131895	0.021226047
17277749		-0.682996018	0.021231684
17275955	Atl1	0.485036244	0.021240595
17424768	Gm12473	-0.740773307	0.0212567
17275524	Srp54c	0.970606103	0.021283863
17323082	Ntan1	0.479376531	0.021289778
17302700	1700044C05Rik	-0.548965567	0.02130706
17397801	2810407C02Rik	0.448316894	0.02130706
17432227	Fblim1	-0.685186841	0.02130706
17244191	Tmpo	0.435848651	0.02130706
17207409		-0.690116793	0.02130706
17427207	Gm12649	-0.500160832	0.021312111
17293803	Nlrp4f	-0.521664732	0.021319839

17441671	Slc24a6	0.594892676	0.021320069
17203263		1.020502379	0.021320069
17366904		1.087258315	0.021320069
17386328	Mettl5	0.424482707	0.021321074
17440132		0.800154633	0.021321642
17548983	Glul	1.044343098	0.021327025
17337719	Mut	0.736950865	0.021332116
17340943	Mrpl18	0.531331708	0.02135276
17288903	Mblac2	1.102195558	0.021364442
17550671		-0.873165387	0.021364442
17295861	Srek1	0.552230248	0.021370984
17526968	4833427G06Rik	-0.607174835	0.021376387
17354219	Trim36	0.873995273	0.021379078
17469887	2510049J12Rik	0.985089098	0.021388565
17442709	Gm10382	-0.524579004	0.021389246
17512181	Tk2	0.537779771	0.021389246
17201457		-1.120131224	0.021389246
17518238	Calml4	-0.629837567	0.021401496
17442887	Mmp17	-0.501812718	0.021401496
17398853	Sh2d2a	-0.589882496	0.021401496
17437801		-0.908159717	0.021401496
17549072		-0.895938822	0.021401496
17388985	Qser1	-0.537967913	0.021422807
17461868	Slc6a1	0.468922561	0.021426239
17420150		-0.571990488	0.021426239
17400467	Otud7b	0.776234608	0.021436894
17419658	Gm13061	-0.654586546	0.021439336
17359466	Pgam1	0.583602883	0.021440426
17483033	Tufm	-0.638504912	0.021445933
17538801		-0.799756462	0.021446775
17466505	Rbpj	-0.438089118	0.021449231
17201501		-0.953249729	0.021449231
17548040	Gm10554	-0.683999739	0.021455211
17336957		1.054586854	0.021474189
17293249		-1.188442571	0.021474495
17305005	Npy4r	-0.494289003	0.021475437
17371839	Gm13662	-0.430597138	0.021481438
17550657		-0.697047296	0.021484944
17506418	Cdt1	0.670476209	0.02150261
17548844		0.689107623	0.021510852
17431867	Minos1	0.511473924	0.021512479
17391897		-0.651593393	0.021521022
17351141	1500015A07Rik	0.746013598	0.021524761

17309351	1700128A07Rik	-0.825575637	0.021524761
17391792	Gfra4	-0.551048001	0.021524761
17509687		-0.863399001	0.021524761
17318967		-0.948307186	0.021524761
17317214	9130401M01Rik	0.676796108	0.021528572
17355169	Afg3l2	0.595704965	0.021532394
17350356	Eif1a	0.450928749	0.021532394
17246416	Olfr777	-0.496580013	0.021532394
17230304	Smyd3	0.552871215	0.021532394
17249856		-0.588886758	0.021532394
17204681		0.566001397	0.021532394
17215008	4933407L21Rik	-0.553278515	0.021567386
17292477	Cenpp	0.628951068	0.021567386
17346043	Pot1b	0.680806022	0.021567386
17370378	Rabgap1	0.502527054	0.021567386
17416460	Yipf1	0.584939515	0.021567386
17322827		-0.886238359	0.021567386
17550052		-0.886238359	0.021567386
17332315		-1.023752494	0.021567386
17432891	Gm13201	-0.722227869	0.021570308
17377443	Gm14139	0.682653187	0.021570308
17227729	Cdc73	0.384986592	0.021574298
17284596		-0.473244512	0.021574298
17341521	Thoc6	0.725998154	0.021589529
17201335		-1.093521263	0.021589529
17252058	Tm4sf5	-0.567953352	0.021590439
17507321	Efnb2	0.643333609	0.021592536
17415544	Fggy	0.505633436	0.021592536
17315002	Mettl7a1	0.946090979	0.021604707
17494317		-1.033790398	0.021607288
17465080	Aass	0.518145248	0.021610158
17290353	Gm10029	-0.499982741	0.021610158
17272287	Srp68	0.624766416	0.021610158
17466033	Hipk2	-0.691201347	0.021617294
17357230		0.661608188	0.02162336
17441083	Sppl3	0.457376283	0.021629954
17446123	Kcnh2	-0.68095547	0.021641154
17241454	Ddx50	0.405926124	0.02165661
17486254	2810047C21Rik1	-0.518025526	0.021670471
17230566		0.979186601	0.021670471
17484353	Lrrc27	-0.635924516	0.021681128
17283933		0.9797877	0.021681128
17429632	Mfsd2a	0.728387923	0.02168693

17305592	4930431P03Rik	-0.420158383	0.021692432
17297227	Slc4a7	0.719142366	0.021692432
17388551	Alkbh3	0.409766075	0.021696549
17512299	Cdh16	-0.374191451	0.021696549
17451179	E130006D01Rik	0.689974798	0.021696549
17279980	Vsnl1	1.191683032	0.021696549
17207701		0.802662654	0.021697619
17528053	Map2k5	0.688498376	0.021700789
17543451	Pja1	0.426085262	0.021769093
17201259		-0.906196085	0.021769093
17355009	Nars	0.667495512	0.021775397
17523224	Eif1b	0.428889336	0.02178388
17219677	Olfr433	-0.645085584	0.02178388
17390318	Ubr1	0.504834562	0.02178388
17278781		0.803691673	0.021797071
17371939		-0.614574479	0.021799904
17214622	Slc4a3	-0.520136854	0.021805985
17454919	Ccz1	0.615779565	0.021820227
17406867	Dap3	0.537245534	0.021820227
17223655	Gm12747	-0.588259863	0.021820227
17422257	Gm833	-0.473598398	0.021820227
17470625		-0.923120093	0.021820227
17440108	A430072P03Rik	-0.614079287	0.021835167
17511366	Dnaja2	0.38857843	0.021835167
17205689		-1.066367164	0.021835167
17437355	Pacrgl	0.662326362	0.021849318
17377744	Rem1	-0.682949337	0.021872208
17344850	Olfr95	-0.651293115	0.021877954
17345782	Nfya	0.517200284	0.021910044
17399285	Clk2	0.447916015	0.021916697
17482737		0.805696746	0.021929351
17480102	Sytl2	-0.828538463	0.021937292
17413054	Ccl27a	0.976810302	0.021943748
17413151	Ccl27a	0.976810302	0.021943748
17434221	Ccl27a	0.976810302	0.021943748
17522451	Prss42	-0.639149718	0.021943748
17394185	Trp53tg5	-0.551777482	0.021943748
17495368	Nup35	0.642591469	0.021945787
17312341	Grina	-0.456377204	0.021953897
17294324	Cep72	0.736108784	0.021967068
17308046	Nefm	0.786714696	0.021967068
17210337		-0.874384006	0.021979438
17252523	P2rx1	-0.513613875	0.021980237

17546953	Rbmy	-0.537319095	0.021982937
17283030	Ston2	0.564193852	0.021982937
17433405	Phf13	0.54647092	0.021999571
17287381	Syk	-0.571275437	0.022024951
17549230		-0.488909009	0.022024951
17412692	Ifnk	1.046207411	0.02202622
17297885		-0.804774348	0.02202622
17340404	Adcyap1	0.691284999	0.022038607
17216246	Cntnap5b	-0.524715646	0.022053135
17505252	Cyb5b	0.71521274	0.022053135
17293968	Zfp459	0.551680888	0.022053135
17303670	D830030K20Rik	0.587326021	0.022055122
17536624	Dlg3	0.451552282	0.022055122
17549578	Twf2	-0.792697312	0.022055122
17229502	Uap1	0.686359849	0.022066793
17376834	Slx4ip	0.870480277	0.022076301
17544954	Tex13	0.692600195	0.022083669
17438602	Ythdc1	0.448357803	0.022085163
17550665		-0.842690715	0.022089018
17440134		0.674983187	0.022115774
17366980	Gm13293	-1.045606543	0.022117979
17327428	Dyrk1a	0.44953943	0.022124586
17339991	Eml4	0.556566436	0.022124586
17309907	Prkaa1	0.583760005	0.022124586
17490624	Rpl13a	0.57051195	0.022124586
17238580	Sarnp	0.455109711	0.022124586
17210259		1.447747894	0.022124586
17210281		1.447747894	0.022124586
17535930	Dkc1	0.677033466	0.022125289
17414114	Smc2	0.485223665	0.022126088
17220148	Lin9	0.69937377	0.022128541
17437107	Drd5	-0.530032174	0.022144727
17342793	Taf11	0.668376286	0.022144727
17496589	Qprt	-0.581943671	0.022145742
17205495		-0.717546003	0.022154394
17539391		-0.452756791	0.022155626
17291057	Hist1h2ag	-0.919565233	0.02215996
17237208	Csrp2	0.54622242	0.022167059
17225969	B230216N24Rik	-0.472672252	0.022170788
17250812	Tvp23b	0.630285122	0.022170788
17226847	Cdk18	-0.574662659	0.022172586
17550675		-0.910261225	0.022187237
17440130	Rpl5	0.57496066	0.022187646

17258623	1810032O08Rik	0.535610021	0.022189991
17311789	Rnf139	0.524601258	0.022211245
17201477		-0.774672092	0.022211245
17490532	Scaf1	-0.457897488	0.022217514
17242910	Mbd3	-0.42647547	0.022235276
17357044	2700081O15Rik	-0.426589696	0.022242976
17460649	Ruvbl1	0.46947196	0.022242976
17500941	Ufsp2	0.551926572	0.022263495
17448810		1.13379544	0.022277845
17303140	Gm21103	0.712936111	0.022295323
17350639	Prdm6	-0.896849332	0.022304829
17209151		1.618941303	0.022304829
17355842		-0.454569649	0.02230998
17387385	Calcr1	0.67332505	0.022315234
17357815	Fam111a	-0.564184454	0.022322318
17286575	Fars2	0.373083317	0.022325207
17451721	Gatc	0.635802066	0.022328085
17374984	Pla2g4b	0.585671756	0.022328399
17204387		1.117263143	0.022355241
17514830	Taf1d	0.903518939	0.022372573
17411697	Clvs1	0.85875834	0.022386476
17446499	Gm10471	-0.446461179	0.022386476
17413573	Grhpr	0.676032209	0.022386476
17388632	Api5	0.418597119	0.02239229
17205127		0.886017275	0.02239229
17209317		0.886017275	0.02239229
17302656	Gpc6	0.892045337	0.022392633
17276348	Hif1a	-0.448393802	0.022398142
17404682	Dnajc19	0.484227932	0.022399441
17224813	Dock10	-0.686747632	0.022399441
17447940	Lcorl	0.584603354	0.022399441
17453128		0.550166781	0.022428213
17319009	Il2rb	-0.540624623	0.02245308
17204127		1.646881861	0.022453435
17289824	Mier3	0.732776695	0.022459936
17481673	Rpl27a	0.562896925	0.022459936
17376026	Tmem87b	0.441948647	0.022459936
17391485		1.311291384	0.022459936
17318587	Slc39a4	1.093135551	0.022466606
17457379		-0.52202302	0.022466994
17340401	Gm15404	-0.565765738	0.022484768
17309455	n-R5s51	-0.819025744	0.022484768
17238558	Mmp19	-0.933902396	0.022500882

17233076	Gm4795	-0.564983614	0.022503334
17357908	Olf1462	-0.62364958	0.022549193
17430397	Hdac1	0.421973211	0.02256819
17510624		-0.795321135	0.022570245
17399314	Fam189b	-0.637666928	0.022601694
17332766	Zdhc14	-0.441516328	0.022601694
17271001	Gm11706	-0.831596044	0.022616442
17317994	Lypd2	0.583501492	0.022616442
17210787		0.525970083	0.022638196
17422269	A430005L14Rik	0.527272731	0.022649414
17534696	A630012P03Rik	-0.452852151	0.022649414
17285731	Gm11290	-0.733475706	0.022649414
17492289	Det1	0.515344854	0.022651308
17498158	Mir483	-0.896020102	0.022651308
17550282	Mir483	-0.896020102	0.022651308
17202923		1.689254437	0.022651308
17202147		1.078402182	0.022651308
17324689		-0.793652205	0.022654877
17307428	Gm15919	-0.566467689	0.022664315
17410615		-0.766910649	0.022664315
17447092		0.640783115	0.022664315
17510166	Mast3	-0.472826758	0.022668384
17449532		-0.41257041	0.02267416
17411420	Cth	0.842512986	0.022676407
17217329	Kiss1	-0.714751481	0.022694521
17449920	Paqr3	0.57827895	0.022700733
17333805	Vmn2r100	-0.54218993	0.022738453
17338532	Gm6934	-0.776241993	0.022754167
17299678	Arhgef40	-0.646614358	0.022799552
17434310	Fam133b	0.771840354	0.022799552
17500639	Gm6213	-0.371396806	0.022800103
17550673		-0.866941043	0.022809795
17356002	Unc93b1	-0.838047926	0.022827966
17238367	Stat2	0.757233785	0.022836697
17494725	Olf2	-0.645731229	0.022843873
17298510	Ncoa4	0.492788254	0.022866107
17529076	Slc17a5	0.564438648	0.022866107
17224270	Tmbim1	0.451145049	0.022866107
17324161		-0.950959694	0.022866107
17448803		1.500576322	0.022866107
17530906	Gm17118	-0.558686529	0.022866402
17455494		-0.949738513	0.022866402
17464692	Shfm1	0.461605574	0.022882904

17395640	B230312C02Rik	-0.470392491	0.022886706
17316545	Ywhaz	0.445382433	0.022888989
17544069		-0.971497175	0.022893122
17526917	2310030G06Rik	0.597609822	0.022913432
17460958	Ccdc174	0.466923214	0.02291807
17533199	Lancl3	-0.483101816	0.022961264
17380017	1700101G07Rik	-0.431662183	0.022961691
17325373	Ildr1	0.542832103	0.022961691
17270848	Scn4a	-0.533166486	0.022961691
17475358		-0.606045957	0.022961691
17279365	Siva1	0.56979124	0.022970583
17358008		0.903464407	0.023007953
17350088	Mir5097	-0.488126699	0.023013547
17481723	Ipo7	0.521916499	0.023027877
17380782	Ntsr1	-0.454866519	0.023027877
17244697		-0.675791617	0.023027877
17448565	Gabrg1	1.043757076	0.023053754
17357234		1.909006711	0.02305632
17484295	Ppp2r2d	0.577427638	0.023058577
17418985	Gm8539	0.674221038	0.023076946
17435107	Lrrc17	0.785281384	0.023076946
17454877	Usp42	0.576326973	0.023076946
17201411		-0.836409322	0.023076946
17309380	4930505G20Rik	-0.516961469	0.023092892
17350673	9430076G02Rik	-0.570475012	0.023105208
17510345	Bst2	1.089828331	0.023105208
17310977	Kcns2	-0.545214601	0.023105208
17347210	Memo1	0.493174132	0.023105208
17468143	Mthfd2	1.035636468	0.023105208
17232509		-0.548362781	0.023105208
17550663		-0.792705231	0.02310686
17480466	Gucy2d	-0.501631002	0.023109116
17307318	Setdb2	0.431162283	0.023109116
17357306	B3gat3	0.497698928	0.023112
17351591	A730085E03Rik	-0.597752869	0.023117753
17367102	Mrc1	-1.268994438	0.023120757
17342238	Tpsab1	-0.683898449	0.023148941
17513769		-0.82030851	0.023162954
17200303		-0.864026116	0.023167389
17488032	Axl	-0.75756973	0.023171177
17201267		-0.929913879	0.023184155
17550661		-0.752695611	0.023195154
17220016		-0.899920555	0.023209845

17450207	Wdfy3	-0.642365462	0.023214045
17284314	Igh-VJ558	-0.495717998	0.023224326
17497811	Mir210	-0.55574349	0.02322756
17226043	Bcl2	-0.67105894	0.023228794
17289486	Taf9	0.50934788	0.023258026
17203963		0.848621167	0.023258318
17479540	Ngrn	0.667555376	0.023260041
17431099		-0.554971378	0.02326661
17387244		-0.586581078	0.023273879
17257819	1700096J18Rik	-0.424634711	0.023279166
17291397	Gm11351	-0.559857836	0.023285879
17488312	Map3k10	-0.595466403	0.023285879
17355304	4930503L19Rik	0.659211647	0.023290554
17378359	Acss2	0.570653518	0.023290554
17523861	C330006D17Rik	0.968855605	0.023290554
17247448	Ppp3r1	0.478278466	0.023290554
17230651	Brox	0.560542193	0.023291969
17358274	Dock8	-1.00116514	0.023310906
17288278	Ptdss1	0.503440725	0.023310906
17201091		1.428512688	0.023345712
17489886	Ccne1	0.497636213	0.023354228
17340041		-1.192010516	0.023380426
17281635	Mir681	-0.681217586	0.023397867
17412602	Rngtt	0.396916852	0.023397867
17385058	1700057H21Rik	-0.677028604	0.023460841
17439842	Pkd2	-0.491863435	0.023460841
17541802	Zfp36l3	-0.633341761	0.023460841
17367139	Slc39a12	0.681727419	0.023466907
17301378	Zfp395	-0.49765585	0.023467747
17380544	Gm14401	0.700909965	0.023471819
17467931		-0.691737778	0.023472577
17475777	Fbl	0.826957948	0.023472853
17295373	2310005E17Rik	-0.630920187	0.023501974
17488719	Fam98c	-0.503555464	0.023501974
17262352		0.451504239	0.023503356
17234691	Sumo3	0.710705518	0.023514627
17281853	4930447C04Rik	0.711439863	0.023551399
17391212	Ncaph	0.619312424	0.023558629
17205349		1.281934779	0.023561627
17476856	E130304I02Rik	-0.495815422	0.023574478
17503214	G430095P16Rik	-0.444544043	0.02358245
17203789		0.776757893	0.023598562
17466641	Igf2bp3	0.509169033	0.023600274

17462036	Rho	-0.582813119	0.023600274
17422629	Cdk11b	0.504653047	0.023602763
17550855		-0.616214565	0.023611787
17376096	Polr1b	0.44706354	0.023618503
17202917		1.253460241	0.02361916
17210475		1.713855771	0.023628803
17547559	Dusp6	-0.813757385	0.023630429
17376051	Fbln7	-0.530457733	0.023630429
17206629		-1.192405607	0.023630429
17208397		1.146948462	0.023631407
17275929	Atp5s	0.591478217	0.023650864
17401169	Bcas2	0.379806444	0.023650864
17292598	Diras2	0.885423002	0.023650864
17420024	E2f2	-0.648310918	0.023650864
17394908	Gm11011	-0.721785652	0.023650864
17526382	Kmt2a	-0.589799832	0.023650864
17374218	Lpcat4	0.701963783	0.023650864
17538753		-1.01786899	0.023650864
17489098	Rps12	-0.98972248	0.023660415
17386591	Atf2	0.514814901	0.023671465
17376917	Ndufaf5	0.623844325	0.023673317
17209489		-0.943092736	0.023681227
17462158	6820426E19Rik	-0.474019512	0.023688944
17540059	Porcn	0.732869743	0.023707733
17500248	Rnf170	0.561913334	0.023707733
17544162		-0.809511451	0.023707733
17507368	3930402G23Rik	-0.47845659	0.023733898
17397377	Pcdh10	0.766419327	0.023739887
17449642		1.026899039	0.023743013
17222694	Kdelc1	0.454725713	0.023746836
17550609		-0.58254098	0.023757829
17315718	Ptger4	0.427565964	0.023759111
17216721		-0.809183598	0.023779231
17509462	Galnt7	0.504441288	0.023780662
17273806	0610009D07Rik	0.437490861	0.023783741
17421172		-0.552645325	0.023783741
17273292	Dcxr	-0.592490667	0.023800473
17254332	Hnf1b	0.987036254	0.023804461
17522377	Kif9	0.404733904	0.023824544
17435769	Mir1960	-1.088106592	0.023836859
17319823	1700001L05Rik	0.735697886	0.023841986
17354681	Slc6a7	-0.475614434	0.023841986
17545150	Lhfpl1	0.442778887	0.023844533

17487062	Psg25	-0.709429142	0.023844533
17270937	Pecam1	-0.599688933	0.023849125
17259235	Baiap2	0.449251222	0.023858105
17366924	Mir669m-2	0.879866287	0.023864864
17372030	4930445N08Rik	-0.594871989	0.023871469
17345586	Rpl7l1	0.454112513	0.023871469
17371221	Scn2a1	1.068799884	0.02387892
17407361		-0.779651811	0.02387892
17440826	Acacb	-0.426478769	0.023895325
17458542	Gm4782	-0.756916173	0.023895325
17205991		0.584405808	0.023927497
17378302		0.740941768	0.023945924
17308570	Rb1	0.473605174	0.023954358
17529529	Syncrip	0.491580322	0.023955492
17353241	Slc25a46	0.530299298	0.023956872
17201591		-0.76874155	0.023958379
17225261	Ngef	-0.410783543	0.023970491
17217728	Kif21b	-0.589616917	0.023991364
17470054	Zfp422	0.572331702	0.024000364
17392399		-1.027000253	0.024000364
17359927		0.745280324	0.024000364
17507306		-0.979620554	0.024004361
17204589		1.399371356	0.024014627
17548168	Gm10765	-0.657820268	0.024060373
17547101	Gm21428	-0.455274702	0.024060373
17202579		-0.536914335	0.024060373
17444916		-0.491156978	0.024060373
17201189		0.840239072	0.024076301
17324322	Ahsg	0.738614252	0.024077936
17424884	Pax5	-0.460149719	0.024077936
17347531	Gm10190	-0.60397562	0.02407929
17451947	Gm5563	-0.831268342	0.02407929
17548240	Cog6	0.663290636	0.024090932
17366067	D19Erttd737e	0.494560128	0.024090932
17257063		0.515522171	0.024090932
17249561	Kif3a	0.617759832	0.024106077
17458990	Lancl2	0.474592497	0.024106077
17448758		-0.809991795	0.024106077
17550877		-0.470862328	0.024106077
17274367	Gm5784	0.698637579	0.024133498
17274893	Sypl	0.546027311	0.024161374
17470740	C1s	-1.160037714	0.0241837
17549338	Mir1247	-1.08586357	0.0241837

17227646	Cfhr3	-0.528331683	0.024199807
17233294	Nus1	0.360943525	0.024199832
17381448	Proser2	0.449107226	0.024199832
17538788		-0.510091846	0.024199832
17271539	BC006965	-0.463939081	0.024208875
17225116	Gm17017	-0.49246176	0.024208875
17366724	Mir669b	-0.423290009	0.024208875
17282836	Vipas39	0.763692742	0.024208875
17335308	1810013A23Rik	-0.636880178	0.024216801
17517215	2010007H06Rik	-0.49172171	0.024229768
17342656	Nkx2-5	-0.509528512	0.024240026
17494894	St5	-0.470749565	0.024240026
17297713	Zmiz1	-0.600104211	0.024240026
17317207		0.625510069	0.024241385
17297746	Mir3075	-0.541155651	0.024246152
17285267	Lyst	-0.848661934	0.02427493
17494152	Olfr577	-0.633642799	0.024299974
17419940	Srsf10	0.702622091	0.024308296
17431454	Nipal3	0.640092801	0.024369004
17408911	Chi3l4	-0.66154854	0.024369006
17449473	Gc	-0.622110471	0.02438879
17244543		-0.776111705	0.02438879
17339073		-0.780581883	0.02438879
17465478	Mir182	-0.905925437	0.024392212
17323759	Ufd1l	0.640792481	0.024397312
17365863	A630007B06Rik	0.538293997	0.024412443
17540962	C330007P06Rik	-0.461612126	0.024417348
17473018	Caprin2	0.621930286	0.024423978
17529645	Mir184	-0.595432701	0.024439052
17219751	Spta1	-0.636016539	0.024441578
17302009	Zc3h13	0.546343623	0.024464442
17294167	BC018507	0.487578442	0.024479311
17393192	Eif2s2	0.412270316	0.024479311
17285438	Inhba	-0.84853951	0.024479311
17477073	Siglecg	-0.572678729	0.024479311
17343856	Btnl5	-0.528979695	0.024485691
17543795	Ftx	0.561573149	0.024485691
17351407	Gm15958	-0.487940909	0.024485691
17353554	Hspa9	0.433264818	0.024485691
17329454	Leprel1	0.864295384	0.024485691
17232853	Mical1	-0.615438345	0.024485691
17305590	Mir327	-0.560070175	0.024485691
17332269	Setd4	-0.478572395	0.024485691

17497554	Tubgcp2	0.555932511	0.024485691
17238880		-0.694092767	0.024485691
17208585		-0.751681144	0.024485691
17359636	Abcc2	-1.162365464	0.02451013
17312405	Maf1	0.579910394	0.02451013
17433973	Mir200a	0.460356953	0.024551601
17458892	Avl9	0.52212992	0.024551643
17412801	Chmp5	0.371010349	0.024551643
17469116	Trh	-1.455870113	0.024551643
17207285		0.705539436	0.024551643
17394727	Tmem189	0.604605284	0.02455999
17223332	Kctd18	0.547754027	0.024580545
17243019		-1.372065748	0.024580545
17325874	Cd200r4	-0.827533974	0.024610796
17421534	Fv1	0.642957043	0.024610796
17544335	Rps12-ps9	-0.459735778	0.024610796
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17544343	Rps12-ps9	-0.459735778	0.024610796
17544333	Vmn2r121	-0.459735778	0.024610796
17508512	1700024N20Rik	-0.606974859	0.024612287
17231784	Cited2	0.49068967	0.024612287
17504861	Ctcf	0.411253313	0.024615473
17331838	2310079G19Rik	-0.803414788	0.02461818
17227852	7530420F21Rik	-0.448419327	0.024628052
17278305	Serpina3j	-0.588729735	0.024628052
17405119	Mgarp	0.656395644	0.024646564
17260295	Nudcd3	0.392836026	0.024664211
17206515		0.939708058	0.024664211
17260308	Npc111	-0.631551185	0.024670528
17368546	Gm13421	0.740631892	0.024671102
17338642	Ebi3	-0.610180907	0.024713374
17322455	Zfp263	0.560799615	0.024733603
17289029		0.790731775	0.024738359
17538281	Gm15295	-0.722785797	0.02474407
17486549	Vmn2r55	-1.080974442	0.024746432
17390950	Cep152	0.488488703	0.024765772
17418982	Rbbp4	-0.443594343	0.024765772
17310357	Slc45a2	-0.572830866	0.024769251
17344472	Atat1	0.530003799	0.024800883
17426944	Fam154a	-0.467601046	0.024808829
17336509	H2-Eb2	-0.513627716	0.024808829

17254059	Ccl12	-1.583205115	0.024834778
17310893	Mtdh	0.437675403	0.024834778
17361435	Npas4	-1.368826863	0.024834778
17322774	Pmm2	0.614261474	0.024834778
17245167		-0.421978449	0.024834778
17200211		-0.87912859	0.024834778
17416762		0.583741734	0.024868377
17321768	Bin2	-1.529333008	0.02487248
17447331	Cpz	-1.011411129	0.02487248
17387822	Olfr1173	-0.45490077	0.02487248
17316770		-0.586799265	0.024880568
17343882	Egfl8	-0.687336018	0.024892913
17400901	Tbx15	0.757423788	0.024892913
17484106		0.535841096	0.024892913
17384008	1700019L03Rik	-0.581070522	0.024927453
17253912	Rhot1	0.490529634	0.024927453
17458759	Znrf2	0.675379272	0.024927453
17247896		0.464937562	0.024927453
17288948	2810049E08Rik	-0.418558537	0.0249432
17385767	Fap	1.191824925	0.024943547
17208541		-1.16826091	0.024943547
17343680		-0.921396806	0.024967556
17321246	Snora2b	0.915885939	0.024972942
17412191	Coq3	0.45240941	0.024974453
17386683	n-R5s198	-0.675935652	0.024974453
17467996	Mrpl19	0.445890792	0.025002384
17277758		-0.768183387	0.025003478
17526315	Phldb1	-0.687627339	0.025022438
17438955	Cxcl5	-0.600014474	0.025037055
17334625	Tsr3	0.583106587	0.025053501
17416596	4930407G08Rik	-0.667421867	0.025083118
17200327		1.101269173	0.025083118
17517097	1600029D21Rik	0.913152063	0.025101583
17294421	Cast	0.410722494	0.025160846
17522726	Bcl2a1c	-0.593916241	0.025185768
17270369	Kif18b	0.802788215	0.02520763
17364932	Got1	0.646855466	0.025212633
17431895	Mrto4	0.491249328	0.025212633
17253258	Coro6	-0.544438369	0.025216118
17331203	E330017A01Rik	-0.44260982	0.02521693
17450942	Gm10416	0.780063049	0.025218763
17482126		-0.736303365	0.025225226
17318210	Eef1d	0.451422864	0.025242052

17336396	H2-Oa	-0.598937303	0.025245496
17494828	BC049265	-0.71148486	0.025246166
17327613	Nlrc3	-0.662193602	0.025269023
17377471	Gm14123	-0.490454006	0.025297836
17201771		-1.048401747	0.025297836
17201947		-1.048401747	0.025297836
17226420	Actr3	0.35704587	0.025305881
17448212	Gm9954	-0.628707839	0.025320842
17487078	Psg23	-0.492793886	0.025325057
17304353	Cacna1d	0.62883053	0.025333922
17298642	Lrrc18	-0.462254105	0.025336837
17459786	Lrrtm4	0.669003411	0.02535623
17494930	Tmem9b	0.399715511	0.025358647
17404172		-0.509819833	0.025358647
17392780	Nanp	0.517278105	0.025358802
17207749		2.04525025	0.025358802
17513287		-1.492099637	0.025374654
17431282	Extl1	-0.476762032	0.025384178
17549892	Defa-rs2	-0.454742568	0.025398007
17225329	Hjurp	0.5544416	0.025412935
17423205	Gm11815	1.203870857	0.025421526
17317209		0.692622408	0.025421526
17248613	C1qtnf2	-0.761451983	0.025437151
17388725	Fjx1	0.931344349	0.025437151
17512103	Got2	0.401223686	0.025437151
17540544	Uxt	0.622921584	0.025437151
17445329	Cdk14	0.504258322	0.025440017
17261266	Prorsd1	0.475130436	0.025440017
17302347	4921530L21Rik	-0.353511422	0.025441275
17421057	Gm13074	-0.588546476	0.025441275
17379978	Gm14236	-0.4290081	0.025441275
17548961	Gm19335	-0.462748096	0.025441275
17278830	Mir495	1.281269047	0.025441275
17274735	Tmem18	0.774142755	0.025441275
17300054	Trav9d-3	-0.684828463	0.025441275
17445280	Ankib1	-0.472531146	0.02546792
17478195	Gm15700	-1.022585187	0.02547944
17410332	Ccdc109b	-0.445196253	0.025486134
17489229	Etv2	-0.500918886	0.025486134
17357207	Tmem223	-0.609751232	0.025486134
17507537	Pcid2	0.496956011	0.025492471
17375718	Usp8	0.529306982	0.025505342
17262464	5133400J02Rik	0.804206264	0.025544224

17374470	Fam98b	0.700967305	0.025544224
17398825	Insrr	-0.559689525	0.025544224
17209891		0.964915726	0.025544283
17245095	Cnot2	0.366776893	0.025572703
17234192	Zwint	0.390771094	0.025577012
17328411	Fopnl	0.581489191	0.02558971
17528783	Pigb	0.823916776	0.02560353
17326844		0.987822676	0.025606856
17550655		-0.580465443	0.025608003
17213548	Nrp2	-0.868099723	0.025612551
17225286	Usp40	0.675031607	0.025612551
17210047		-0.456166428	0.025612551
17547591	Kansl1	0.75691492	0.025622087
17549006		-0.919773574	0.025622087
17549134		-0.919773574	0.025622087
17526269		0.646514313	0.025622087
17374833	Nusap1	0.537405539	0.025654571
17481354	Olfr687	-0.517366655	0.025666891
17359787	Peo1	0.502546194	0.025674202
17471879		0.630417139	0.025674202
17484030	Hmx3	-0.511013778	0.02569312
17408885	Chi3l7	-0.406611875	0.025699669
17492885	4933406J10Rik	-0.601600502	0.02569985
17207931		0.783044815	0.025705263
17324643	Bdh1	0.555044786	0.02575799
17359834	Btrc	0.587161297	0.02575799
17343962	Cyp21a1	-0.496438744	0.02575799
17489940	GM16387	-0.640695252	0.02575799
17449561		-0.629621311	0.02575799
17263033	Fam114a2	0.562319185	0.02577849
17290111	Fgf10	0.535805546	0.02577849
17413678	1300002K09Rik	-0.477756007	0.025791248
17211752	Arhgef4	0.539925377	0.025791248
17298312	Glt8d1	0.40907929	0.025791248
17532649	ND6	-1.028624407	0.025792546
17383423	1700026L06Rik	-0.572386767	0.025795422
17399426	Gm15417	-0.466441261	0.025795422
17217171	Gm7241	-0.459351722	0.025795422
17229960	Apcs	-0.512313819	0.02580705
17404126	Zfand1	0.649060249	0.02580705
17502369	Olfr372	-0.985952008	0.025811769
17423854	Slc35a1	0.407872492	0.025811769
17203315		-1.120029836	0.025811769

17358009		0.616798536	0.02581722
17430209		-0.476530883	0.02581722
17202427		1.199773856	0.025825727
17458043	Cntnap2	0.710270387	0.025826599
17338280	Med20	0.529852002	0.025853439
17233489	Ccdc138	0.789938911	0.025854113
17291451	Prl8a1	-0.595373091	0.025864148
17330692	Abhd10	0.601817565	0.025866522
17220188	Sde2	0.809557465	0.025866522
17243016		-0.590651376	0.025866522
17354233	Pggt1b	0.531837944	0.025886791
17268820	Ikzf3	-0.451564094	0.025905598
17393839	9430008C03Rik	-0.673832343	0.02592704
17344757	H2-M1	-0.55177657	0.02592704
17414331	BC026590	0.844026004	0.025937361
17305561	Gm5624	-0.908436842	0.025963588
17233271		-0.471242036	0.025974972
17207479		0.495961523	0.025974972
17278787	AF357341	0.759997619	0.025988869
17213462	Cd28	-0.41872635	0.025988869
17349520	Ctnna1	0.630789731	0.025988869
17238642	Olfr763	-0.905445561	0.025988869
17461465		-0.544479471	0.025988869
17366772	Mir467a-3	0.80940526	0.025995501
17425228	Mrpl50	0.444035149	0.025995501
17209943		-1.003517408	0.025995501
17363683	D19Bwg1357e	0.571115604	0.026003686
17206531		-0.578670567	0.026024758
17231881	Il20ra	-0.398038464	0.026046939
17433426	Tas1r1	-0.393499941	0.026046939
17486039	Vmn1r58	-0.605603572	0.02605004
17466606	Gimap6	-0.476916169	0.026052004
17219457		0.489037895	0.026052663
17335456	Gm16195	-0.882873855	0.026091472
17214462	Dnajb2	0.4010665	0.026092438
17398512	Plrg1	0.526142166	0.026092438
17252882	Rtn4rl1	-0.436242734	0.026099097
17380838		-0.928497569	0.026099097
17348069	Gm1976	0.667837465	0.026117237
17403058	Adh7	0.629709757	0.026124844
17378685	Tldc2	-0.577654087	0.0261287
17207167		-0.746170495	0.026139163
17284910	Calm5	-0.461561744	0.026164349

17532352	Sec22c	0.616106448	0.026193529
17407536	Gm17179	-0.663863491	0.026197454
17346078	Stap2	0.5470552	0.026197454
17274919	Atxn7l1	-0.485748262	0.026204145
17399737	Gatad2b	-0.466129977	0.026204145
17428850	Rnf220	0.44902025	0.026244448
17209987		-0.576715469	0.026244448
17278378	Tcl1b4	-0.771670098	0.026248289
17472192	Mgp	-0.816376457	0.026260044
17532063	Acaa1b	-0.827612265	0.026262796
17408945	Cept1	0.437781878	0.026262796
17368163	Obp2a	-0.459064842	0.026262796
17319407	Rps19bp1	0.475645878	0.02629904
17203135		0.98144473	0.02630079
17344511	Abcf1	0.514380564	0.026307451
17536450	Yipf6	0.476019987	0.026311816
17455971	Mios	0.692135231	0.026331148
17541047		-0.57870806	0.026331148
17291177	Hist1h2bh	-1.113267979	0.026365289
17221923		-1.046100308	0.026365289
17461638	Arpc4	-0.466945517	0.026368387
17289860	Gm15323	-0.685544031	0.026372841
17440328	Vmn2r16	-0.606044715	0.026374876
17243469	Zfp938	0.852584377	0.026399629
17315463	Map3k12	0.582298597	0.0264202
17447289	Nop14	0.483541851	0.0264202
17547980	Olfr175-ps1	0.931309036	0.0264202
17373996	BC048594	0.56598874	0.02643412
17282348	Synj2bp	0.627712061	0.02643412
17434490	Steap4	-1.027613283	0.026448216
17383788	Gm13427	-0.370933172	0.026453513
17412593	Srsf12	0.575038973	0.026453513
17239184	Adgb	-0.559705386	0.026472993
17365960	Gfra1	0.77832824	0.026472993
17465270		-0.834146113	0.026472993
17229391	Uck2	0.361718686	0.026494468
17280682	4930556N08Rik	-0.46168971	0.026519333
17445699		-0.532065645	0.026522701
17328823	Gsc2	-0.56289044	0.026533514
17279190	Trmt61a	0.710157855	0.026537406
17498730	1810033B17Rik	-0.49974213	0.026545712
17240621	Aim1	0.590393952	0.026545712
17325719	Ndufs5	0.727671185	0.026545712

17206819		-0.572689627	0.026545712
17395079	Zbp1	-0.396713187	0.026555317
17227259	Arl8a	0.609476327	0.02656917
17483075	Bola2	-0.486536064	0.02656917
17455254	Usp12	0.471308328	0.026572167
17490839	Bax	0.591574188	0.026583872
17360501	Tcf7l2	0.51882169	0.026585663
17209833		0.696601685	0.026591949
17513194	Adat1	0.738424755	0.02660767
17351330	Malt1	0.579354369	0.026645393
17361600	Ccdc85b	-0.400030081	0.02666628
17331311	Arl6	0.600091098	0.026688417
17541681	Gpc3	-0.499364597	0.026693406
17220051	LOC101056322	-0.650398646	0.026693406
17489759	C230052l12Rik	0.632850819	0.026697347
17460578		0.874696955	0.026697347
17201199		0.674835466	0.026697347
17312358	Smpd5	-0.417631744	0.026700239
17247993	Smek2	0.486019574	0.026704084
17543069	Mageb4	-0.677798977	0.026707914
17276098	Tomm20l	-0.621117355	0.026707914
17380526	Gm14432	0.74109053	0.026710584
17277404	Batf	-0.424670433	0.026729744
17265657	Smtnl2	-0.556536901	0.026729744
17348812	Dsg2	0.997961695	0.026774639
17536428	Pgr15l	-0.776259264	0.026774639
17448082	Sepsecs	0.964259517	0.026774639
17206333		-0.953917974	0.026774639
17460891	Fbln2	-0.826862002	0.026781976
17488492	Nccrp1	-0.438802052	0.026781976
17425287	Vma21-ps	0.510437949	0.026781976
17202433		-1.364543436	0.026781976
17376341	Ptpa	0.408556109	0.026783004
17259276	Bahcc1	-0.590628461	0.026799915
17466253	Prss58	-0.421365891	0.026804953
17308477		1.373147416	0.026804953
17456584	Calu	0.358945342	0.026812413
17287368		-0.464081608	0.026812413
17239695	4930444G20Rik	-0.774405418	0.026816427
17456804	Nrf1	0.415837282	0.026816427
17510358	Nxn1	-0.634561884	0.026820378
17238002	R3hdm2	-0.415731196	0.026820378
17550310		-0.516759934	0.026820378

17538356	Alg13	0.54537567	0.026829053
17422832	Fam132a	-0.595280198	0.026829053
17391510	Gm14025	-0.457873154	0.026838207
17356794	Men1	0.511613478	0.026839011
17346069	Zfp119b	0.604819819	0.026842422
17541924		-0.660552364	0.026845754
17484587	Cyp2e1	-0.590771974	0.02685755
17356061	Doc2g	0.430558528	0.026890074
17423189	4930448K20Rik	-0.37613793	0.026895511
17494662	Gm18853	-0.41490821	0.026895511
17220944	Lamb3	0.481031539	0.026895511
17354189	Mcc	0.530251044	0.026895511
17278812	Mir1197	1.1004576	0.026895511
17494576	Rrp8	0.560373637	0.026895511
17461082	Slc25a26	0.505074549	0.026895511
17383284	Vav2	-0.476755623	0.026895511
17384622	Zbtb6	0.587700706	0.026895511
17201623		-0.484176243	0.026895511
17383347	2810430I11Rik	-0.577918808	0.026913556
17341704		1.360369244	0.026921669
17307472	Kpna3	0.423106529	0.026925318
17550548	ND6	-1.201875518	0.026925318
17488845	Sipa1l3	-0.369903377	0.026936769
17209773		-0.857679681	0.026936769
17382920	Card9	-0.415487057	0.026941837
17515726	Gm7244	-0.709361539	0.026941837
17437213	Cd38	-0.906994003	0.02694328
17471342	Fkbp4	0.403903162	0.026987415
17256414	Nkiras2	0.457723272	0.026987415
17275392	Ap4s1	0.525934822	0.026988254
17268611	Cwc25	0.462669079	0.026988254
17429892	1700125G02Rik	-0.61932565	0.027019943
17299800	Trav8d-1	-0.607940752	0.027020813
17541010	Upf3b	0.573994003	0.027020813
17353453	4933408B17Rik	-0.37451049	0.027032075
17263482	Cops3	0.414230888	0.027032075
17511500	Gm2716	-0.567719647	0.027032075
17506854	Tsnax	0.542532104	0.027032075
17204883		1.035899822	0.027032075
17548046	Pcdhga10	-0.665398024	0.02707752
17438980	Il8	1.012229517	0.027093442
17484907	Rplp2	-0.687455345	0.027096059
17518172	Anp32a	0.407735992	0.027119667

17225582	Olfr1414	-0.550841982	0.027119667
17512677	Cdh1	0.649943873	0.027125107
17295136	Iqgap2	-0.495702722	0.027140865
17301256	Sox7	0.99332056	0.027144871
17549240		-0.521526174	0.027144871
17549172	Cd99	-0.505760146	0.027172858
17346936	Tgif1	0.424825607	0.027201401
17539820	Mir501	-0.847219867	0.027204022
17331692	Cypr1	-0.592548626	0.027244235
17265282	Gm12316	-0.428152987	0.027259246
17265631	Slc13a5	0.957016395	0.027295082
17204505		-0.618618203	0.027295082
17257085	Hexim1	0.615804824	0.027297463
17248821	Gm12169	-0.577154019	0.027307596
17469488	Pdzrn3	-0.719350931	0.027315047
17491999	Lrrc28	0.635212577	0.027315337
17211562		-0.646443421	0.027362561
17305310	Gm3676	-0.549996344	0.027371117
17300798		-0.561272975	0.027371117
17515238	AB124611	-0.893030203	0.027391399
17419880	Ifnlr1	0.369887701	0.027399698
17224551	Ptpn	-0.886787884	0.027399698
17454789	Gm3925	-0.414372709	0.027405202
17206417		1.198477354	0.027405202
17526127	Gm10687	-0.540843893	0.027420005
17267651	Gm11497	-0.456834203	0.027420005
17424651	Gm12454	-0.498052011	0.027420005
17346276	Gm20219	0.631868611	0.027420005
17282395	n-R5s63	-0.515495155	0.027420005
17357891	Olfr1445	-0.57846929	0.027420005
17206305		1.414820856	0.027420005
17549028		-0.833311682	0.027420005
17542997	Gm7173	0.600460305	0.027421695
17262124	2310031A07Rik	0.440635865	0.027427029
17510635	Gm10649	-0.466157325	0.027473852
17450718	Fam69a	0.609439963	0.027474055
17217127	Nucks1	0.510336203	0.027475285
17517218	Gm7293	-0.898653866	0.02750528
17270091		-0.654391222	0.027513569
17249922		0.425651008	0.027529278
17340229	Gm19773	-0.901625217	0.027533671
17395186	Gm14618	-0.378208495	0.027535833
17249151	Mgat4b	-0.491102103	0.027535833

17206475		0.593629777	0.027535833
17548806	Gm9429	-0.423233679	0.027555097
17291122	Zfp322a	0.66330011	0.02759644
17448771		-1.044262863	0.02764054
17509506	Clcn3	0.658422432	0.027645602
17426348	Tnfsf15	0.425777954	0.027664049
17309832	C6	-0.445258925	0.027664558
17212792	Hibch	0.365039954	0.027664558
17264980	Spem1	-0.838198089	0.027672243
17447506	Bloc1s4	0.530397977	0.027695462
17511834	Bbs2	0.553688398	0.02769696
17423507		-0.581815602	0.027704685
17288898	Lysmd3	0.5006714	0.027731851
17374488	Thbs1	-0.535637255	0.027731851
17238984	Mtrf1l	0.524882903	0.027757065
17208763		1.407434207	0.027762573
17550627		-0.923363749	0.027766217
17282450	LOC101055670	-0.478702377	0.027785555
17418116	4933421A08Rik	-0.543263316	0.027797538
17277134	Acot2	0.633086725	0.027801837
17308956	9630013A20Rik	-0.952826232	0.02781905
17262823	Il3	-0.451835856	0.02781905
17306201	Supt16	0.779897716	0.02781905
17357221		0.827447419	0.02781905
17460583		0.858804628	0.02781905
17336949		2.05506691	0.02781905
17489242		-0.582023126	0.02781905
17306130	Gm17078	0.700490104	0.027824222
17393825	9430008C03Rik	0.473425995	0.027825448
17477540	Vrk3	0.401872262	0.027825448
17445238	Kl	-0.505738819	0.0278457
17498592	1700019B03Rik	-0.428629609	0.027856509
17215601	D130058E05Rik	-0.442441388	0.027878365
17456560	Fam71f2	-0.396743723	0.027878365
17322113	Krt8	0.666612386	0.027878365
17389740	Plcb2	-0.579692321	0.027884058
17434333	Pex1	0.452778564	0.027889958
17319324	Dnal4	0.425898037	0.027918651
17521252	Iqcf1	-0.694282783	0.027926012
17309420	Abcc4	0.763251779	0.027950071
17410311	Rrh	-0.470922851	0.027960279
17334599	BC003965	0.361566569	0.027962423
17344303	Lst1	-0.519837971	0.027962423

17438314	Tmem165	0.441337978	0.027962423
17448756		-0.814944694	0.027968456
17431516	Pithd1	0.485066217	0.027970901
17352662	Esco1	0.532092614	0.027981348
17265211	Alox12e	-0.574940329	0.027995903
17202973		0.856769572	0.027998987
17299569	Rnase10	-0.36760901	0.028022818
17342538	A930017K11Rik	-0.652181833	0.028034656
17208347		-0.877247331	0.028037707
17514933	Olfr855	-0.799200349	0.028045164
17341701		0.680193716	0.028045164
17325938	Btla	-0.530493747	0.028045414
17477728	Pth2	-0.666468428	0.028059935
17439064	Uso1	0.361516478	0.028059935
17507159		-0.751809497	0.028059935
17431546	Rpl11	0.493216955	0.028091181
17388234	F2	0.950970711	0.028094866
17207777		0.876664547	0.028097085
17354764	Arhgef37	0.489917972	0.028106903
17351886	Smad2	0.511307179	0.028127665
17340148	Camkmt	0.566901742	0.028138501
17468816	Mcm2	-0.820798922	0.028138501
17311783		-0.519964837	0.028138501
17397142	Spata5	0.492255427	0.028149841
17546333	Rbmy	-0.543920896	0.028165386
17231301	Cr1l	0.390671976	0.028168396
17305967	Ttc5	0.651064436	0.028180884
17201633		-0.543766685	0.028183462
17349262	Ercc3	0.512316725	0.028219735
17300032	Trav12-2	-0.855381274	0.028219735
17415369	Ifna4	-0.493454899	0.028224941
17475429		-0.512080187	0.028250843
17429569	Rlf	0.586416838	0.028253011
17204089		1.765240904	0.028253011
17389994	Gm13999	-0.518743074	0.028260467
17219451		0.52870075	0.028276839
17278814	Mir323	1.139894258	0.028286799
17550685		-0.552891283	0.028286799
17288859	Gm8327	0.715577445	0.028304789
17503910	Ogfod1	0.527378788	0.028304789
17370511	Wdr38	0.591709123	0.028304789
17513548		-0.995974998	0.028304789
17547606	Gm9734	-0.447992991	0.028317824

17462893	C1rb	-0.871753903	0.028361117
17227589	Lhx9	-0.747355805	0.028361117
17502970	Ptger1	-0.498536118	0.028367381
17238325	Timeless	0.656703358	0.028367381
17520675	Foxl2	-0.554548691	0.028368553
17548141	Gm13392	-0.490675783	0.028371768
17410190	Larp7	0.712370699	0.028371768
17492703	Wdr73	0.478261553	0.028371768
17511885		-0.731597272	0.028371768
17528836	Mapk6	0.493118728	0.028372798
17287403	Gm2762	-0.479927083	0.0283954
17295196	Ankdd1b	0.693440517	0.028433992
17421469	Rex2	-0.847114111	0.028433992
17341743	Tbc1d24	0.767994641	0.028433992
17520537	Gk5	0.785404985	0.028447845
17223777	Mettl21a	0.496688732	0.028450294
17500975	4933411K20Rik	0.576548793	0.028462715
17228751	Rabgap1l	0.498133027	0.028498181
17218006	B3galt2	0.415166754	0.028512549
17390490	Ppip5k1	-0.490114561	0.028523049
17503287	Prdx2	0.361677139	0.028526117
17202755		0.709967803	0.028526117
17300888	B020004C17Rik	-0.366735244	0.028532751
17392652	3300002I08Rik	0.624193876	0.028532944
17433543	Dffb	0.645340259	0.028532944
17548381	Scp2d1	-0.42251092	0.028532944
17461080		-0.56759893	0.028569248
17444609	Arpc1b	-0.510815295	0.028614066
17538405		-0.537264949	0.028616505
17444216	Ap5z1	-0.365097631	0.028657838
17506460	Cdh15	-0.491502688	0.028657838
17203903		1.545285734	0.028657838
17549070		-0.773611306	0.028691743
17210725		-1.001988682	0.028695885
17292612	Auh	0.364044071	0.028711282
17414536	Slc31a2	0.767169586	0.028711282
17275490	Srp54c	0.511160732	0.028711282
17275516	Srp54c	0.511160732	0.028711282
17238061	Gm16217	-0.537162381	0.028715584
17548221	Spcs2	0.41056602	0.028716709
17239693		-0.482950386	0.028716709
17510772	Hhip	0.862949381	0.028726066
17257064		0.430159967	0.02873234

17204185		0.687222119	0.02873234
17200343		-0.682876954	0.028745339
17301634	Gm21451	-0.475665449	0.028756091
17431075	Arid1a	-0.511812611	0.028762251
17478985	Snrpa1	0.530856904	0.028773407
17305929	Olfr724	0.696806064	0.028777059
17538823		-0.617442658	0.028781008
17295607	Naip6	-0.729866541	0.028781201
17344453	5530401N12Rik	-0.414311245	0.028797499
17551137		-0.89994076	0.028798097
17206677		-0.846130815	0.02880464
17427185	4930577H14Rik	-0.412858339	0.028817054
17482730	Dctn5	0.580830837	0.028818529
17548703	Irf8	-0.529936972	0.028819185
17285398	AW209491	0.615036411	0.02885103
17523673	4930526I15Rik	-0.422882438	0.028855354
17528739		-0.715323153	0.028855767
17348016	Nrxn1	1.023886901	0.028858615
17403875	1810013D15Rik	-0.610765619	0.028895151
17446185	Fastk	-0.382285457	0.028895151
17534090	Gm6268	-0.445936157	0.028895151
17528229	Ptplad1	0.640447289	0.028912694
17274649	Adi1	0.46679019	0.028964114
17328236	Gm6327	-0.54360754	0.028969919
17415919	Gm12801	-0.435042525	0.028972799
17256932	Tmub2	0.403636888	0.028972799
17463108	Nop2	0.710605563	0.029007773
17279916	Gdf7	-0.603817967	0.029018465
17406960	Mir92b	-0.921711799	0.029052216
17539832	2010204K13Rik	0.492264076	0.029053593
17388432	Gm13802	-0.66959888	0.029053593
17228106	Smg7	0.466901451	0.029053593
17326266	Senp7	0.919917275	0.029073473
17518320	Snpc5	0.664471518	0.029116521
17353619	Mzb1	-0.431372887	0.029122762
17464941		-0.708896928	0.029122762
17244439	Plxnc1	-0.598514795	0.029124483
17245466	Tbc1d30	0.83748561	0.029125987
17378319		0.788701433	0.029125987
17455386	Slc46a3	0.665765749	0.029172342
17548662	Gm5606	-0.369076925	0.029177624
17271572	2610035D17Rik	0.722714887	0.029188637
17358119	Zfand5	0.417162233	0.029188637

17240661		-0.556351689	0.029188637
17290388	Idi2	0.617108804	0.029189551
17302234	Zbtbd6	0.52419294	0.029214801
17231621	4930567K20Rik	-0.451114756	0.029226493
17382392	Nelfb	0.485610463	0.029246936
17323603	Scarf2	-0.716337871	0.029246936
17538783		-0.764081062	0.02926223
17242861	Pcsk4	-0.405099306	0.029287215
17365686	1700001K23Rik	-0.549543624	0.029295715
17288324	9430065F17Rik	0.483530205	0.029295715
17515835	Ets1	0.39697551	0.029295715
17510983	Prkaca	-1.002372208	0.029295715
17546367	Rbmy	-0.448813673	0.029295715
17419037		-0.462647	0.029295715
17322075	Krt4	1.381017736	0.029302009
17301854	Rcbtb2	0.669061775	0.029318317
17409053	Ahcyl1	0.44680604	0.029347508
17535045	Gm14718	-0.520011549	0.029347508
17532908	Gpkow	0.359241639	0.029377811
17405261	Rfxap	0.647108453	0.029379562
17550484	Zfhx2as	-0.506596902	0.029385263
17208617		0.846648382	0.029385263
17337832		-0.737071923	0.029385263
17410680	Metap1	0.588423082	0.029386286
17541567	6720401G13Rik	0.681686775	0.029406456
17331162	Col8a1	-0.657137461	0.029423179
17526956	Layn	-0.83842338	0.029423179
17246743	Rnf215	0.439972708	0.029423179
17533413	Rpl3	0.45678946	0.029423179
17372679	Ssrp1	0.589861601	0.029423179
17461153		-1.352783736	0.029423435
17236313	Nup37	0.389108583	0.029445539
17278328	Serpina3n	-0.980501729	0.029446426
17366451	Frmd4a	0.586918469	0.029450635
17366926	Mir466n	0.834952294	0.029463102
17243450	4933439G19Rik	0.587575189	0.029468852
17366910		0.966021229	0.029468852
17446434	Gm10220	-0.479549039	0.029480329
17339388		-0.518857598	0.029480329
17507605	Gas6	-0.776029908	0.029489373
17201349		-0.635252835	0.029500163
17401545	Kcna10	-0.387877396	0.029503938
17548816	Mageb17-ps	-0.625335933	0.029503938

17327035	Olig1	-0.661631378	0.029503938
17337411	H2-M11	-0.43130646	0.029535383
17284175	BC048943	0.521888111	0.029540353
17207459		0.920750551	0.029551532
17509879	Cilp2	-0.618372921	0.02956679
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17549066		-0.845984612	0.029570782
17317898	Mir151	-0.950582048	0.029597069
17514592	Mmp7	-0.489545092	0.029597069
17407339		1.023041011	0.029598631
17356314	Mrpl11	0.657882248	0.029607849
17322483		0.663407714	0.029610089
17237784	Gm4129	-0.472786753	0.029640398
17420823	Gm13029	-0.553491338	0.029643259
17249483	Zcchc10	0.655593183	0.029643259
17520169		0.634497639	0.029650087
17416440	Ldlrad1	-0.610343995	0.029654712
17548176	Acss1	-0.545967699	0.029684384
17519794	Senp6	0.509275612	0.029701187
17364390		-0.529168297	0.029701187
17504074	Cpne2	-0.414648776	0.029717466
17359079	Cyp26c1	-0.83509345	0.029717466
17478883	Mcee	0.474037296	0.029717466
17374747	Zfyve19	0.36302498	0.029717466
17233064		1.118330984	0.029727653
17428854		0.925043142	0.029789941
17257937	Kcnj2	1.072239406	0.029793808
17535033	Vgll1	0.555916767	0.029796761
17289181	Arsb	-0.766018515	0.029804974
17303941	Ap3m1	0.460226597	0.029844486
17264835	Cd68	-0.701686328	0.029878534
17362646	Dagla	-0.492815397	0.029878534
17334097	Cldn6	0.912837452	0.02989773
17200521		1.52309396	0.02989773
17287361	Gadd45g	0.50208001	0.02992334
17330410	Arhgap31	-0.63689539	0.029927687
17260331	Ddx56	0.566043564	0.029927687
17472497	Gys2	-0.404704462	0.029927687
17200007		1.376792869	0.029932203
17516960	Cadm1	-0.647404607	0.029942826
17204739		-1.130753022	0.029949833

17204757		0.98795149	0.029972672
17214759	Rhbdd1	0.540829983	0.030004564
17484832	Drd4	-0.479905487	0.030007174
17219542	Pigm	0.41766736	0.030007174
17330150		-1.031660327	0.030007174
17404019		-0.395955483	0.030007174
17313788	Fam118a	0.665348701	0.030008621
17403829	Negr1	0.661960914	0.030009582
17323828	B3gnt5	0.752691153	0.030039674
17206751		0.869894562	0.030039674
17508036	Slc25a15	0.50887612	0.030050963
17217625	Tnni1	-0.59896705	0.030050963
17468895	Chst13	-0.580260818	0.030057602
17343505	Cyp4f13	0.586585886	0.030057602
17340983	Wtap	0.383523601	0.030057602
17533890	Gm14552	-0.385624277	0.030061085
17417647	Tctex1d4	-0.656175935	0.030061085
17203249		0.706976297	0.030061085
17210103		-0.948153733	0.030061085
17514719	Fam76b	0.389724672	0.030064853
17245850	Mars	0.625697256	0.030064853
17297551	Vcl	-0.449765046	0.030064853
17206597		-0.912301949	0.030064853
17496867	BC017158	0.607149936	0.030095808
17446211	Gm10472	-0.567221847	0.030095808
17516131	Olfr884	-0.558510741	0.030110297
17308954		-0.804260841	0.030110297
17480829	Arap1	-0.578190735	0.030137031
17482958	Il21r	-0.788687919	0.030137643
17498870	Shcbp1	0.946750021	0.030157595
17459470	Gm1070	-0.497108204	0.030180046
17467435	Igkv4-71	-0.561496826	0.030184868
17483740	Inpp5f	0.524845328	0.030206059
17513503	Zdhhc7	0.692809241	0.030225992
17283871	Bcl11b	0.55906376	0.030243078
17394902	Gm14260	-0.785938512	0.030243078
17408289	Gm4450	-0.583936814	0.030243078
17398384	Ppid	0.59833335	0.030243078
17202519		-0.586624779	0.030243078
17465696	Slc35b4	0.628469552	0.030259288
17327331	Chaf1b	0.783519591	0.030266213
17256033	Grb7	0.708057817	0.030268485
17545814	Scml1	-0.439783289	0.030268485

17411520		-0.597977672	0.030268485
17204383		1.360446725	0.030268485
17200319		-0.676981093	0.030272588
17340332	Ppp1r21	0.590793224	0.030278608
17283131	Ptpn21	0.597462204	0.030284916
17330359	Pla1a	-0.538371073	0.03028778
17524677	Kri1	0.443883893	0.03029138
17275772	Spanxn4	-0.737479163	0.030295903
17482083	1110004F10Rik	0.384118191	0.030296224
17374514	1700054M17Rik	-0.700241659	0.030296224
17248691	Ebf1	1.05087517	0.030298126
17472161	Wbp11	0.400892437	0.030298126
17207719		0.869830308	0.030317411
17448535	Yipf7	-0.562144719	0.030331179
17320928	Slc38a2	0.452013941	0.030339129
17538284	Nxt2	0.518120784	0.030350341
17527353	Etfa	0.427635091	0.030353574
17386297	Fastkd1	0.51374325	0.030355539
17525476	Gm3867	-0.573323212	0.030355539
17278834	Mir376c	0.470847053	0.030355539
17208251		-0.71634297	0.030355539
17504661	D230025D16Rik	0.529063146	0.030389089
17227722	4930590L20Rik	-0.470475798	0.030390028
17548723	Glce	0.802163158	0.03042516
17204455		-0.61479518	0.03047032
17473061	Dennd5b	0.770155404	0.030489808
17525578	Slc37a2	-0.784444046	0.030499518
17208247		-1.357603152	0.030502269
17463493	Klrb1-ps1	0.486437318	0.030506492
17370789	4930573O16Rik	-0.522514088	0.03051569
17408121		-1.044745936	0.030523994
17404596	Kcnmb3	-0.535043195	0.030525905
17412627	Cnr1	0.858422685	0.030540278
17247898	Fancl	0.396591137	0.03055404
17472598	C2cd5	0.569217842	0.03056161
17538812		-1.04401866	0.03056161
17201409		-0.524705336	0.030566805
17514786	Gm16302	-0.480884179	0.030587818
17281388	Fbxo33	0.500919105	0.03059572
17474278	Ceacam5	-0.637631766	0.030601316
17459332		-0.715952324	0.030601316
17362559	Incenp	0.854903348	0.030624259
17313688	Samm50	0.621684276	0.030626072

17377738	Defb36	-0.539434827	0.030629449
17361304	Lrfn4	-0.549410987	0.030629449
17539822	Mir362	0.775520147	0.030629449
17466838	2700086A05Rik	-0.52016714	0.030652108
17205731		-0.743247862	0.030658148
17311157	Atp6v1c1	0.533398872	0.030670094
17399237	Ash1l	-0.537088973	0.030689477
17463358	Parp11	0.450439502	0.030689477
17304240	Pde12	0.543099547	0.030689477
17550534	ATP8	-0.538839912	0.030692889
17421150	4930455G09Rik	0.653956985	0.030699167
17219374	Alyref2	-0.613987941	0.030719751
17244862		-2.390510867	0.030722324
17543829	Rlim	0.640697034	0.030740084
17238150	Zbtb39	0.782894044	0.030743164
17542139	1700111N16Rik	-0.636828126	0.030754478
17540739	Gm14527	0.682256192	0.03075747
17476263	Zfp260	0.666829395	0.030766101
17549912	LOC100048741	-0.503445843	0.030781008
17355131	Mir694	-0.522671817	0.030781008
17210213		0.93908567	0.030781008
17489645	4931406P16Rik	-0.55987412	0.030787649
17249140	3010026O09Rik	0.445479239	0.030810807
17238669	Olfr788	-0.760299258	0.030810807
17378964	Dhx35	0.527693664	0.030833454
17331365	Arl13b	0.372540796	0.030844429
17284382	LOC100862489	-0.40292517	0.030884468
17540325	n-R5s3	0.77848333	0.030887145
17388756	Pdhx	0.553593492	0.03089796
17238868		-0.827966242	0.03089796
17251947	Asgr2	-0.495765923	0.03091543
17288936	C130071C03Rik	0.60226415	0.03091543
17427961	Cpt2	0.393320611	0.03091543
17440775	Dao	-0.518249486	0.03091543
17549190	Defa-rs4	-0.615361785	0.03091543
17249833	G3bp1	0.503950637	0.03091543
17370330	Olfr339	-0.498993867	0.03091543
17387542	P2rx3	0.7113783571	0.03091543
17374765	Spint1	0.677232937	0.03091543
17550659		-0.674112681	0.03092076
17207619		1.620613895	0.030926172
17200233		0.551076715	0.030931245
17237094	Ppfia2	0.612474339	0.030951607

17294696	Rasa1	0.39012825	0.030960845
17445067	Rxfp2	-0.418729758	0.030969349
17231662	Fbxo30	0.453074958	0.030988831
17435249	Mir3096	0.718772101	0.030988831
17377268	Plk1s1	0.617249511	0.030988831
17474122	Tmem160	-0.606075416	0.030988831
17384559	Olfr341	-0.739532033	0.030999027
17367963	Entpd2	-0.464968396	0.031025885
17429177	Cdc20	0.572306159	0.031032896
17400630	Rbm8a	0.488036741	0.031032896
17376795	Gm14218	-0.614990954	0.031049946
17266362	Rpl23a	-0.489328161	0.031049946
17396750	Ndufb5	0.372887796	0.031054452
17241810	Rtdr1	-0.565259697	0.031054452
17244486	Socs2	-0.416105922	0.031054452
17421821	Ctnnbip1	0.574255642	0.031068914
17546070	Gm15226	-0.519646081	0.031068914
17525286		-0.64148544	0.031068914
17215067	Armc9	-0.427893215	0.031069007
17286882	Nol7	0.628784072	0.031069007
17359902	Nolc1	0.728944904	0.031069007
17516164	Olfr901	-1.017579308	0.031069007
17333375	Smok2a	-1.116062401	0.031069007
17549144		-0.659111207	0.031069007
17207735		-0.612107538	0.031069007
17510579		0.829023788	0.031069007
17363497	C330002G04Rik	-0.473944895	0.031085177
17435825	Cenpa	0.459651202	0.031085177
17346950	Mir1195	-0.529286034	0.031085177
17549206	Mir1195	-0.529286034	0.031085177
17550080	Mir1195	-0.529286034	0.031085177
17455061	Pdap1	0.371700164	0.031085177
17481743	Wee1	0.56140918	0.031085177
17251485	Aurkb	0.544231262	0.031095889
17268647	Fbxo47	0.817106126	0.031102532
17335842	Pde9a	0.625100321	0.031104317
17496713	1700008J07Rik	0.655569021	0.031109203
17334172	Dcpp2	-0.699221822	0.031116061
17240840	Mcm9	0.736620468	0.031116061
17207521		1.207515812	0.031133652
17429234	Tmem125	0.531921978	0.031144255
17244431	B930071A02	-0.486435449	0.031145502
17505082	Prmt7	0.553767927	0.031151215

17207515		-0.891860985	0.031151215
17539415	Rbbp7	0.418212366	0.031179483
17550633		-0.900300013	0.031191177
17412932	Galt	0.598046913	0.031196494
17309161	Fbxl3	0.437014886	0.031221802
17267115	Usp32	0.504878968	0.031221802
17414454		-0.407402341	0.031221802
17550170		-0.407402341	0.031221802
17433251	H6pd	-0.764244132	0.031227565
17207737		-0.869035251	0.031230175
17548928	Gm7785	0.414633326	0.031296262
17227221	Ptprv	-0.618304569	0.031299179
17536950	1700018G05Rik	-0.517002475	0.031307155
17427345	Cyp2j12	-0.576453192	0.031339478
17457719		-0.395442921	0.031352195
17236882	Dusp6	-0.56270557	0.03136113
17222080	Prss40	-0.403728089	0.03136113
17220866	Rd3	-0.65569009	0.031376574
17314233	Alg10b	0.503198076	0.031379125
17374121	Ccdc34	0.461215989	0.031379125
17441160	Pla2g1b	-0.617498677	0.031381954
17456285	Naa38	0.546454094	0.031401887
17207483		-1.064807914	0.031446041
17331767	Rwdd2b	0.425093116	0.031448556
17251840	Ctdnep1	-0.434087595	0.031451055
17356141	Tmem134	-0.409900516	0.031451055
17210351		1.748920536	0.031451055
17206463		1.258665078	0.031451055
17229939	Fcrl6	-0.490717065	0.031461333
17253505	Sdf2	0.403995659	0.031461333
17255581	Hoxb6	-0.571288793	0.031507379
17265783	Olfr385	-0.711200121	0.031522784
17421110	Agmat	-0.648949444	0.031546761
17295038	Scamp1	0.44758151	0.031546761
17346522	Tnfsf14	-0.548016528	0.031581215
17258642	Snord1b	-0.880191826	0.031599836
17201337		-0.722242688	0.031618859
17429298	Gm12862	-0.389729754	0.031630886
17546040	Rab9	0.443216485	0.031642922
17513238		-0.931787531	0.031651831
17534671		-0.599278906	0.031652964
17537399		0.710256847	0.031666494
17524451	Col5a3	-0.456458809	0.031666929

17346210	Ticam1	-0.470365196	0.031666929
17513479	Tldc1	0.595080965	0.031666929
17437380	9230114K14Rik	0.483485908	0.031668129
17500322	4933416M07Rik	-0.368414777	0.03168362
17307231	Micu2	0.494959292	0.031689284
17382013	Dnajc1	0.544789083	0.03170107
17254171	Slfn1	-0.596574439	0.03170107
17527166	Rab39	-0.455898219	0.031709028
17473650	Aurkc	-0.723714637	0.031709983
17463673	Etv6	-0.408127014	0.031709983
17331088	Gm19797	-0.807898936	0.031709983
17539758	Mycs	-0.496375066	0.031709983
17305939	Olfr728	-0.505446641	0.031709983
17245729	Slc26a10	0.477706743	0.031709983
17203707		-1.440700254	0.031709983
17550713		-0.753344127	0.031709983
17263160	Olfr329-ps	-0.583202849	0.03171484
17390485	Gm14978	-0.673280634	0.031717798
17212461	Col3a1	-0.949714324	0.031748922
17343143	Glo1	0.53379704	0.031748922
17222429	Txndc9	0.444368172	0.031753572
17384627	Zbtb26	0.735385422	0.031753572
17489713	Lrp3	-0.528011223	0.031755089
17203689		-0.713347808	0.031761702
17262621	Hspa4	0.338181296	0.031764956
17341696		0.59217283	0.031764956
17238900		-0.468838123	0.031764956
17539123		-0.538384979	0.031795734
17445689	Speer4c	-0.440614103	0.031822136
17205301		-0.81599596	0.031846988
17341440	Zfp945	0.713071435	0.0318534
17532524	Slc6a20a	0.399927133	0.031856019
17365410	Cyp17a1	-0.71973507	0.031873015
17450848	Tmed11	-0.432901456	0.031887208
17416576	0610037L13Rik	0.585336415	0.031903816
17475536	BC024978	-0.55850449	0.031903816
17419812	D4Wsu53e	0.513572862	0.031903816
17517346	Gm16124	-0.654062453	0.031903816
17245700	Tspan31	0.47849163	0.031903816
17448442		-0.35694326	0.031903816
17276251		1.092772598	0.031903816
17219459		0.467616217	0.031903816
17205819		0.745730497	0.031903816

17207851		-1.327612076	0.031903816
17424461	Ccl21a	-0.396222533	0.031911392
17343873	Rnf5	0.343409545	0.031911392
17431377	Tmem50a	0.371546559	0.031911392
17206337		-1.156919105	0.031911392
17408052	Terc	-0.761474096	0.031912073
17228021		-0.660138134	0.031932235
17202219		1.694393701	0.031942332
17273059	Gm11772	0.604921568	0.032000072
17202667		0.566480821	0.03201093
17476188	Zfp30	0.708320408	0.032011736
17538836		-0.559213985	0.032011736
17203609		1.01220023	0.032011736
17480675	P4ha3	-0.926468146	0.032014702
17526861	Dlat	0.431852449	0.032014875
17548518	Gm19692	0.350260784	0.032036998
17202225		0.7758528	0.032036998
17311490		-0.357289442	0.032036998
17401623		-0.542370214	0.032048791
17408054	BC107364	0.355279369	0.032052761
17432912	Fbxo6	0.604647629	0.032052761
17341781	Ccnf	0.698063119	0.032056165
17490924	Sphk2	-0.359290165	0.032056165
17356477	Ap5b1	-0.461586102	0.032076351
17542066	Mir742	-0.595357074	0.032077707
17540050	Ebp	0.49867028	0.032119575
17395108	Ppp4r1l-ps	0.459961137	0.032119575
17446536	Gm16058	-0.495348451	0.032149362
17421142	Gm13643	-0.483641135	0.032166646
17443148	Cldn3	0.500995354	0.032175018
17365692	Smndc1	0.697600266	0.032196239
17521838	Impdh2	0.43687041	0.032197692
17497718	Ifitm3	-0.570133821	0.032202494
17292329	Mirlet7a-1	-0.738870876	0.032203469
17460918	Tmem43	0.470037796	0.032203469
17208407		-0.884437573	0.032210953
17535175	Ctag2	-0.579549233	0.032241787
17344911	Olfr129	-0.493698267	0.032241787
17204579		1.074218116	0.032241787
17207897		0.825784843	0.032241787
17468067	Dok1	-0.60214825	0.032247037
17494453	Olfr671	-0.491812622	0.0322519
17463973	Plekha5	0.462548622	0.0322519

17286732	Tmem14c	0.564582232	0.0322519
17300366		1.034593973	0.032253363
17304596	Nisch	-0.394855767	0.032255047
17494087	Olfr543	-0.66374023	0.032255047
17532184	Scn10a	-0.677562015	0.032274347
17475211		-0.91417032	0.032274347
17342403	Rhot2	-0.544530881	0.032297557
17344743	H2-M10.4	-0.659214567	0.032316628
17297425	Fam149b	0.482867451	0.032318676
17268180	Kat7	0.623683069	0.032318676
17313016	Tomm22	0.419190706	0.032318676
17538793		-0.499416937	0.032332673
17495598	Knop1	0.356795893	0.032351139
17373781	Lmo2	-0.500709906	0.032351139
17529058	Gm17324	-0.638019198	0.032360118
17490953		-0.493612168	0.032360118
17459801	Gcfc2	0.513083231	0.032363243
17208855		-0.588642086	0.032363243
17322536	Vasn	-0.440184472	0.032381896
17268227	Abi3	-0.479904004	0.032401909
17549162		-0.65088668	0.032401909
17325736	2610015P09Rik	0.457727725	0.0324035
17208625		-0.691311085	0.032414409
17463377	Efcab4b	-0.616484355	0.032415317
17514093	Ttc13	0.557880599	0.032453789
17392690	Acss1	-0.871872993	0.032465319
17548068	Matr3	1.01536448	0.032514067
17490502	Prmt1	0.561005691	0.032526172
17274637	Rnaseh1	0.419807139	0.032526829
17470764	Gm5077	-0.789170941	0.032531138
17207451		0.688760861	0.032533666
17497414	Mapk1ip1	0.65945976	0.03254362
17461942	Pparg	0.725055844	0.03254362
17287185	Nol8	0.670246784	0.032543938
17507094	Xab2	0.510127825	0.032543938
17258210	4933422H20Rik	-0.469089124	0.032551731
17355280		-0.54903323	0.032573172
17529492		-0.475868134	0.032585529
17363533	Mamdc2	0.651132715	0.032590457
17201581		-1.038290192	0.0325936
17203759		-0.638648965	0.032598961
17357969	E030024N20Rik	-0.580466822	0.03261464
17346001	Mrps36-ps1	0.604993978	0.03261464

17452552	Rhof	0.484266457	0.03261464
17291193		-0.752242389	0.03261464
17317858	Ptk2	0.495287261	0.032617662
17436558	Gm21446	-0.725251602	0.032626804
17547943	Etv5	-0.496889457	0.032641422
17256440	Stat5a	-0.397349552	0.032641422
17405021	Sclt1	0.479780168	0.032664972
17416811	Mir761	-0.672687931	0.032679389
17400806		1.187473083	0.032681738
17314157	Klhdc7b	-0.476294955	0.032693464
17495665		-0.625500696	0.032693464
17427650	BB031773	-0.738476568	0.032697209
17308471		1.488488939	0.032710852
17318176	Gsdmd	-0.425449937	0.032713672
17497113	Fam53b	-0.409416795	0.032719875
17345230	Gm7325	-0.669654086	0.032731129
17254681	Trim37	0.646269927	0.032737982
17402756	Ppa2	0.540197007	0.032751525
17219902	1700016C15Rik	-0.481213077	0.032762313
17442006	Gm15637	-0.46887791	0.032762313
17427331	Cyp2j13	-0.477223925	0.032769618
17261963	Fabp6	-0.661055537	0.032769618
17347267	Fez2	0.41581686	0.032769618
17359672	Gm10768	-0.476730265	0.032769618
17326944	Gm7735	-0.367820604	0.032769618
17376977	Snrpb2	0.46099402	0.032769618
17294734		0.763682343	0.032769618
17441130	Triap1	0.456559354	0.032787906
17419097	Bai2	-0.63140709	0.032810281
17201693		-0.745736204	0.032846889
17319134	Sox10	-0.481729043	0.032846975
17321326	Arf3	-0.395140488	0.032858745
17423741	BC024582	-0.463209834	0.032858745
17459453	Foxi3	0.364590732	0.032858745
17282956	Gm7104	-0.66286411	0.032858745
17254962	Mrps23	0.471770859	0.032858745
17227764	Rgs2	0.570773923	0.032858745
17218044	Fam5c	0.440336209	0.032863031
17361683	Sipa1	-0.644012746	0.032863031
17217830	Gm16880	-0.661094569	0.032879278
17499335	Tmem255b	-0.510398933	0.032905142
17549156		-0.891674133	0.03292277
17500380	Dusp26	0.482292303	0.032923569

17538850	n-R5s14	-1.453201773	0.032949295
17492947	9930013L23Rik	-0.821632734	0.032960237
17494240	Hbb-bh1	-1.135880838	0.032960237
17550629		-0.950246721	0.032960237
17378311		1.20878379	0.032960237
17508168		-0.740266004	0.032961059
17344334	Gm20527	-0.516043193	0.032963869
17504878	Rltpr	-0.414678769	0.032963869
17348126	Mtpap	0.623281432	0.032967226
17255210	Tob1	0.409339188	0.032967226
17538429	Mir764	-0.494873759	0.032968097
17342699	Ip6k3	-0.625201014	0.03296811
17422722	Aurkaip1	0.507516999	0.032968216
17258555	Cdk3-ps	-0.52963831	0.032968216
17224540	Tuba4a	0.707239616	0.032968216
17203813		1.180631072	0.032977256
17426926	Gm12414	-0.48409798	0.032992814
17495097	Lyve1	-0.390225603	0.032994792
17375935	Acox1	-0.418057864	0.033012346
17492598	Furin	-0.506688321	0.033012346
17466863	Hoxa9	-0.439592113	0.033012346
17544734	Bex1	0.892857623	0.03301315
17314619	Olfr282	-0.463299754	0.033016371
17232358	Ptprk	0.667133992	0.033016371
17317203	Derl1	0.431922083	0.033033883
17515680	Gm15520	-0.49280798	0.033033883
17234647	Itgb2	-0.899059476	0.033033883
17236490	Tmpo	0.548733906	0.033033883
17539768	Nudt10	1.055961471	0.033039407
17428702	Mmachc	0.556512101	0.033053884
17481066	Pgap2	0.423091825	0.033053884
17299808	Trav6d-5	-0.578438707	0.033053884
17372284	Gm14461	-0.584107283	0.03306252
17374304	Aven	-0.451333365	0.033063252
17381937	Gm13322	-0.546681584	0.033063252
17307690	Gm17116	-0.71054488	0.033063252
17349243	Map3k2	0.473823864	0.033063252
17396892	Atp11b	0.457933709	0.033064233
17448103	Gm17182	-0.523436127	0.033064233
17514379	Cwf19l2	0.48247352	0.033085388
17452194	Erp29	0.425736896	0.033085388
17395830	Gmeb2	0.513394792	0.033085388
17545885	Syap1	0.367568678	0.033085388

17248123		-0.818173819	0.033085388
17357228		0.793731469	0.033085388
17259443	4732444A12Rik	-0.446099213	0.033104616
17520851	Anapc13	-0.428296166	0.033104638
17238830		-0.868643441	0.033104638
17394153	Sipi	-0.580161214	0.033146869
17205955		0.757220589	0.033153459
17549960		-0.550325646	0.033153814
17479769	Adamtsl3	-0.488976568	0.033170088
17217777	Ddx59	0.554206679	0.033170373
17451437	Selplg	-0.760423244	0.033170373
17405834		-0.597016988	0.033174934
17351143	Sh3tc2	0.70264221	0.033176843
17241962	Mif	-0.423821448	0.03317886
17400545	Hist2h2aa1	0.340991288	0.033196429
17408017	Hist2h2aa1	0.340991288	0.033196429
17526583	Sidt2	-0.388121337	0.033196429
17200591		1.103654123	0.033196429
17200531		0.45113467	0.033197925
17256942	Rundc3a	0.45051683	0.033223067
17421030	Gm13056	0.618629068	0.033226232
17463316	D6Wsu163e	0.38825841	0.033227001
17475801	Eid2	0.78190095	0.033227001
17294805	Zcchc9	0.50219923	0.033227001
17210847		-1.131968502	0.033227001
17257235	Itgb3	-0.735805904	0.033232412
17393579	Sla2	-0.569910011	0.033232412
17203741		-0.973919395	0.033232412
17346007	Sult1c1	-0.500361023	0.033237686
17538974	Usp51	-0.727383333	0.033241929
17341707		0.677106655	0.033272121
17231431	1700052N19Rik	0.349879086	0.033286382
17319429	Mkl1	-0.473473381	0.033286382
17232353		-0.448450199	0.033286382
17334956	Crebrf	0.604269321	0.033317534
17221238		0.678523182	0.033317534
17479168	LOC100505025	-0.680299662	0.033340843
17495106	Mrv1	-0.666717617	0.033378896
17474385	Nanos2	-0.598388982	0.033378896
17270269	Gpatch8	0.636957533	0.033393765
17253688	Ift20	0.349676304	0.033399859
17200389		0.827355731	0.033408933
17500644	Micu3	0.907904152	0.03344562

17393554	Gm14174	-1.254222607	0.033471901
17414108		-0.433110397	0.033478918
17381892	Ptpla	-0.375568302	0.033483906
17279881	Ubxn2a	0.357331504	0.033507627
17545045	Kcne1l	-0.397952526	0.033522826
17433975	Mir200b	0.764387501	0.033523912
17259763	Limk2	0.529829933	0.033527601
17400862	Hmgcs2	0.633079794	0.033527922
17232172	Taar1	-0.420159768	0.033527922
17268572	E130012A19Rik	0.723813631	0.03353559
17521825	Qrich1	0.378368596	0.03354574
17494559	Arfip2	0.647926297	0.033547065
17210761		-0.896420281	0.033589572
17215309	Inpp5d	-1.145122906	0.033602003
17321215	Olfr284	-0.589274786	0.033604964
17204675		1.163977216	0.033606181
17351811	Acaa2	0.502795405	0.033614802
17205015		1.072323042	0.033614802
17439893	Gm8258	-0.748935268	0.033631094
17461045	A730049H05Rik	0.720516076	0.033659622
17498786	Lrrc8e	-0.413151691	0.033659622
17225595	Otos	-0.514542457	0.033659622
17490878	Ppp1r15a	0.466312893	0.033659622
17250710	Trpv2	-0.577097143	0.033659622
17209801		1.07586774	0.033659622
17338612	4930571B16Rik	-0.546252813	0.033668784
17410105	1700003H04Rik	-0.499847833	0.033670908
17339585	Spast	0.52721895	0.033714074
17531709	Mlh1	0.404476855	0.03371476
17359929		0.742970295	0.03371476
17411201	Nexn	-0.601486911	0.033725196
17346231	Ptprs	-0.644475083	0.033725196
17549948		-0.41166756	0.033725196
17448750		1.579717022	0.033725196
17284060	4930595D18Rik	-0.446234831	0.033749401
17236705	Gm16155	-0.590417037	0.033749401
17329403	Masp1	-0.862954344	0.033749401
17387276	Pde1a	0.326502189	0.033749401
17389736	Ankrd63	-0.550395474	0.033760429
17233237	Rfx6	1.039092993	0.033760429
17449632		0.691702832	0.033760429
17211857	4933424G06Rik	-0.432095687	0.033764495
17206553		1.488420726	0.033764495

17236016		-0.870816204	0.033764495
17468138	Gm15624	-0.509008397	0.033799268
17269748	Ptrf	-0.575777522	0.033799268
17286553	Cdyl	0.464771232	0.033834791
17408074	Polr3gl	0.674343141	0.033836319
17286682	Bmp6	0.722977017	0.033848817
17410718	Pdha2	-0.402351985	0.033852521
17449103	1700031L13Rik	-0.465438028	0.033859781
17457047	Gm13851	-0.486868641	0.033859781
17540144	Gm14499	-0.486468081	0.033859781
17330614	Slc35a5	0.601290308	0.033859781
17360537	Habp2	1.022481565	0.033872848
17220921	A130010J15Rik	0.68117285	0.033874113
17379110	Gm14241	-0.631100724	0.033888287
17515886	Srpr	0.464143482	0.033889374
17449546		-0.570895648	0.033889374
17348238	Rab18	0.43364355	0.033893547
17377420	Gm14135	-0.362398393	0.033899081
17334158	Prss21	-0.340658762	0.03390371
17425280	C630028M04Rik	-0.40748691	0.033929479
17397426	Ccrn4l	0.60187241	0.033981485
17338738	A230051N06Rik	-0.553513652	0.033984766
17408184	Chd1l	0.646813215	0.033989095
17208577		-1.03033952	0.033989095
17504587	Ces2h	-0.531100751	0.033990442
17331796		0.655773464	0.034008679
17280254	Gm5433	0.58628683	0.034009309
17270829	Gh	-0.472938103	0.034058769
17467232	Gprin3	-0.433489854	0.034107919
17502992		-0.58768079	0.03411541
17384578	Pdcl	0.600112389	0.034126563
17467278	Gm7144	-0.472760634	0.034143243
17325533	Lrrc58	-0.375071026	0.034143243
17309020		-0.6262817	0.034143243
17263185	Olfr323	-0.491902178	0.034190408
17507682	Erich1	0.524182717	0.034197356
17452430	Ift81	0.485976705	0.034231476
17483889		-0.966361775	0.034231476
17550258		-0.966361775	0.034231476
17210815		-1.188021989	0.034238553
17312089	Chrac1	0.347356016	0.034265049
17281721	Pygl	-0.644635069	0.034265049
17207997		1.317583508	0.034265049

17200865		-0.792732528	0.034277648
17400437	Aph1a	-0.427570307	0.034282035
17377475	E130215H24Rik	-0.60780257	0.034282035
17296905	Gm2237	0.56420077	0.034282035
17320556	Rabl2	0.607325915	0.034282035
17333380	Smok2b	-0.515829331	0.034282035
17243018		-0.610241284	0.034282035
17418589	Gm12945	-0.355836137	0.034308732
17357538		0.690159385	0.034314254
17210361		0.717763003	0.034314254
17486505		-0.767049713	0.034314254
17373028	Fnbp4	0.404532789	0.034329299
17268755	Med1	0.505523155	0.034329299
17208629		1.130459892	0.034329299
17314773	1700120C14Rik	-0.657743481	0.034340165
17471213	9630033F20Rik	0.342392184	0.034387571
17331254	Olfr194	-0.59088438	0.034387571
17204301		0.62217266	0.034387571
17516837	Bace1	-0.467194191	0.034409737
17421517	Gm16503	-0.502950063	0.034409737
17337919	Tcte1	-0.489424792	0.034409737
17467286		-0.819743326	0.034409737
17545817	Gm15205	-0.427539967	0.034430921
17315198	Mir1941	-0.747790187	0.034443528
17536436	Ar	-0.341420072	0.034462418
17271719	Cd300c	-0.432479367	0.03448113
17305636	Ero1l	0.453671859	0.03448113
17252272	Mis12	0.804863023	0.03448113
17514615	1700128F08Rik	-0.37252711	0.034486194
17434555	Abcb1b	0.92534411	0.034486194
17352020	Atp5a1	0.384054662	0.034486194
17452978	Ubc	-0.456087184	0.034486194
17292698	4833439L19Rik	0.378073654	0.034511705
17221553	Pkhd1	-0.343708448	0.034511705
17519509	Leo1	0.514940432	0.034542123
17371254	Csrnp3	0.820111896	0.034543585
17428228	Elavl4	0.518839132	0.034543585
17201509		-0.582095425	0.034562482
17252712	Zfp735	-0.580308403	0.034567064
17244057	Gas2l3	0.621557571	0.034572696
17466488	Tpk1	0.718720718	0.034578774
17332358	Erg	-0.688735592	0.034591894
17339824	Vit	0.647091758	0.034591894

17389855	Gm14207	-0.449009782	0.034593344
17277786		-0.779023696	0.034598964
17453030	Slc15a4	0.525929834	0.034600049
17356447	Efemp2	-0.358806628	0.034617225
17485937	Ube2s	0.441341515	0.034617225
17205223		0.729985589	0.034617225
17209413		0.729985589	0.034617225
17468195	Stambp	0.382761756	0.034633396
17414836	Tlr4	-0.806857426	0.034633396
17267420	Ypel2	0.687156238	0.034635435
17425703	Gm12580	-0.554200343	0.034647198
17271920	Hn1	0.481495203	0.034670664
17418094	9530002B09Rik	-0.566134493	0.034692525
17204909		-0.841437231	0.034692525
17311131	4930447A16Rik	-0.525697142	0.03469733
17377675	Csnk2a1	0.35600976	0.03469733
17551165		-0.797312351	0.03469733
17535098	F9	-0.425144624	0.034700491
17209951		-0.938572186	0.034721604
17479804	Eftud1	0.675512806	0.034723126
17201713		1.19017805	0.034723126
17201889		1.19017805	0.034723126
17415542		-0.700242668	0.034723126
17527787	Arih1	0.326153745	0.034762921
17248421	Gm12711	-0.343452098	0.034762921
17400803		0.437908473	0.034810721
17395029	Gm14455	-0.596964112	0.034813567
17495932	Palb2	0.408759283	0.034813567
17455006	Smurf1	0.49566507	0.034813567
17295177	Sv2c	0.497534152	0.034813567
17207745		1.483292253	0.034813567
17204917		1.543406193	0.034823478
17482739	Plk1	0.594492479	0.034868662
17206401		1.293659887	0.034869215
17205483		0.839776266	0.03488093
17449989	Rasgef1b	1.19382878	0.034885537
17547965	Cbr1	0.552021099	0.034899225
17453106	Zfp11	0.577652538	0.034899225
17425271	Ppp3r2	-0.419751226	0.034909085
17537630	Mir3112	0.610610892	0.034909525
17371460	Ppig	0.426362122	0.034909812
17548675	4930412F12Rik	-0.400272059	0.034929296
17353731	E230025N22Rik	-0.658599248	0.034929296

17365861	Gm6990	-0.367765983	0.034929296
17402746	Ints12	0.534320276	0.034929296
17421174	Lrrc38	0.371938398	0.034929296
17549670	Mfn2	-0.418177844	0.034929296
17218907	Nme7	0.537877074	0.034929296
17328640	Ube2l3	-0.345505573	0.034929296
17474759	Vmn1r100	-0.342060401	0.034929296
17474774	Vmn1r100	-0.342060401	0.034929296
17474807	Vmn1r100	-0.342060401	0.034929296
17548010		-0.611734506	0.034929296
17522550	Gm10030	-0.549673103	0.034980925
17539828	Usp27x	0.695742007	0.034996578
17269911	Vat1	-0.434496054	0.034996578
17469259	Suclg2	0.54630577	0.034999869
17323999	Mir1224	-0.821837296	0.035001303
17278704	6430411K18Rik	0.619477718	0.035013756
17325648	Gm15802	-0.619573718	0.035021992
17440707	Gm6588	-0.717065841	0.035021992
17283543		0.443588362	0.035021992
17354361		0.372835765	0.035021992
17290934		0.893822035	0.035028128
17305012	Gprin2	-0.377836153	0.035041058
17252165	Gp1ba	-0.526475964	0.035070586
17365721	Bbip1	0.413962428	0.035098252
17524411	Zfp266	0.518058136	0.035114249
17535123	Gm14662	-0.818052711	0.035133172
17486748	Obox3	-0.784639005	0.035134439
17382937	Snpc4	0.497839124	0.035142351
17323183	A630010A05Rik	-0.426837072	0.035146996
17343755	H2-Pb	-0.535856523	0.035181108
17518680	Dapk2	-0.492725416	0.035184312
17358764	Lipm	0.480393056	0.035233346
17436823	Adra2c	-0.427387273	0.035242221
17353976	Gm15336	-0.632294008	0.035246423
17203101		0.989393934	0.035249314
17497146	1500002F19Rik	-0.43311933	0.035249634
17431234	Cnksr1	0.439982079	0.035252837
17535480	DXBay18	0.511053474	0.035252837
17203081		1.467901191	0.035263575
17443818	Lamtor4	-0.346874674	0.03526827
17389928	Ndufaf1	0.483215476	0.03526827
17550474	A130040M12Rik	-1.239260961	0.035293294
17466618	LOC100862539	-0.497372308	0.035313882

17243247	Mrpl54	0.667802411	0.035316284
17317835	Peg13	0.478759252	0.035316284
17209835		-1.376531059	0.035316284
17547016		-0.464550609	0.035316284
17212750	Stat1	0.600459223	0.035345535
17262783	Slc22a4	-0.542519454	0.035357746
17433023	Cort	-0.560449904	0.035358467
17334040	Vmn2r-ps129	-0.424314836	0.035358835
17418211		-0.747984639	0.035358835
17241731	Bicc1	-1.023020368	0.035391649
17419416		-0.448724572	0.035391649
17461157		-0.582117917	0.035391649
17493298	Tmem126b	0.621152312	0.035431482
17470510	LOC101055658	-0.388162728	0.035439456
17381903	4921530L18Rik	0.520882828	0.03544211
17362973	Ms4a6d	-1.073316911	0.035472101
17367750	Wdr85	0.581834407	0.035472101
17206993		-1.172979421	0.035472101
17550845		-0.522470926	0.035473289
17236620	Gm15963	0.743107817	0.035477653
17373670	Gm13920	-0.465461042	0.035490501
17211990	Lipt1	0.538226432	0.035490914
17203401		1.361491144	0.035492186
17204241		0.686081331	0.035494822
17530496	Pik3r4	0.626605305	0.035509308
17495692	Dcun1d3	0.547880398	0.035512141
17288854	Pou5f2	-0.786899751	0.035514384
17405722		-0.855864942	0.035514384
17535808	Gdi1	0.405720988	0.035515678
17284327	Ighm	-0.617930531	0.035515678
17318350	Plec	-0.492587041	0.035515678
17546410		-0.398920999	0.035520176
17467831	Tmsb10	-0.438213935	0.035536943
17425151	Alg2	0.593172277	0.035540404
17211572	Rab23	0.401492678	0.035580907
17209591		-0.814449596	0.035580907
17242726	Gm17134	-0.476951593	0.035584405
17532564	Xcr1	-0.584919872	0.035584405
17387672	Olfr1058	-0.783591949	0.035593766
17273714	Adcy3	-0.74179158	0.035619702
17359994	Fbxl15	-0.404027852	0.035619702
17296286	Gzma	-0.583711166	0.035619702
17297211	Il3ra	-0.474933556	0.03562021

17284564		-0.531107855	0.03562021
17511142	Nfix	-0.770136098	0.035631043
17548287	Oaz2	0.50045975	0.035631043
17288888	9330111N05Rik	-0.565459435	0.035636389
17276040	Actr10	0.446524415	0.035641246
17458960	Vmn1r20	-1.191806346	0.035641246
17243015		-1.021502348	0.035641246
17456991	Gm13844	-0.459192948	0.035648253
17288079		0.636813312	0.035648253
17228804	Dars2	0.573472483	0.035681864
17265912	Hic1	-0.497363168	0.03569175
17331774	Cct8	0.355920887	0.035708093
17422006	Gm13090	-0.620753468	0.035708093
17239493	Heca	0.382797102	0.035718227
17223982	Gm16076	-0.531148137	0.035723047
17266659	Crlf3	0.520356964	0.03573007
17230223	Mir350	-0.5357256	0.035754448
17403848	Zranb2	0.597959423	0.03577475
17332181	Cryz1	0.402567496	0.035776131
17355619	Adnp2	0.676433733	0.035800835
17292536	4930518P08Rik	-0.526947613	0.035801595
17263463	Flcn	0.457569753	0.035807879
17256924	Asb16	-0.449858093	0.035821016
17408793	Capza1	0.395775323	0.035832004
17349627	Pura	-0.427803594	0.035832004
17341412	Zfp944	0.938464534	0.035832192
17280552	Bcap29	0.567524275	0.035839333
17512688	Gm16208	-0.676220365	0.035844427
17524206	Scarna9	0.904222232	0.035844427
17377989	Mapre1	0.437644356	0.03584703
17503068	Rfx1	-0.319227029	0.03584703
17415109	Sh3gl2	0.410245425	0.035853528
17490078	Gm5595	0.796080942	0.035860909
17200289		-1.391045459	0.035877503
17301061	Mipep	0.582415928	0.035897202
17531749	n-R5s90	-0.707837094	0.035897202
17268093	Gm11544	-0.696635882	0.035914569
17261033		0.921972145	0.035925762
17285746	Hist1h2bn	1.359345398	0.035930137
17447646	Slc2a9	-0.436068586	0.035938263
17548008		-0.558844488	0.035980766
17296962	D830030K20Rik	0.737030606	0.035982636
17296989	D830030K20Rik	0.737030606	0.035982636

17362330	Rtn3	0.346539323	0.036042453
17391544	Ckap2l	0.495331184	0.036059588
17291671	Gm19818	-0.37866032	0.036066097
17303024	Gm3500	1.069589106	0.036066097
17283634	Serpina1c	-0.797014752	0.036066097
17269434	Gm14206	-0.355693779	0.036068822
17520976	Tmem108	-1.01204103	0.036068822
17463454	Clec2i	-0.701286382	0.036075018
17483546	Fus	0.341665354	0.036094333
17407335		0.351317911	0.036124369
17238922		-0.554298632	0.036132821
17433231	Gm13073	-0.556492335	0.036155784
17213428	Cyp20a1	0.535832127	0.036175762
17424928	Tomm5	0.7414136	0.036175762
17340570		-0.546781369	0.036176518
17549210	Mir1895	-0.635030105	0.036178598
17473166	Cacng6	-0.456022064	0.036187179
17242322	Gm9507	-0.671814459	0.036189928
17206883		0.844272231	0.036189928
17203443		-0.830160829	0.036209169
17450034	Hnrpd1	0.376182875	0.036214728
17444398	Eif2ak1	0.543019315	0.036218047
17549118		-0.481779647	0.036252333
17278860	Mirg	0.71742598	0.036264935
17312229	Ly6f	-0.590170448	0.036326325
17429206	Tie1	-0.76295501	0.036326325
17207287		2.033989885	0.036326326
17201495		-0.719122815	0.036326326
17265379	Gm12320	-0.585162382	0.036349283
17340366	Gtf2a1l	0.75780307	0.036354219
17393876	Top1	-0.610118492	0.03636014
17523326	Deb1	0.494427089	0.03636594
17208897		-0.701192931	0.036375357
17297100	Kctd6	0.420161392	0.036383947
17278818	Mir329	0.605558591	0.036383947
17442203	Setd1b	-0.406716435	0.036383947
17490935	Spaca4	-0.51062973	0.036383947
17424656	Tpm2	-0.461463755	0.036383947
17414529	Gm12909	-0.553190866	0.036407573
17278824	Mir1193	0.676829765	0.036408592
17209091		-1.095605842	0.036408592
17499392		0.626732724	0.036434523
17446608	Mnx1	-0.64819261	0.036466677

17449517		0.632647736	0.036466677
17523105	Wdr48	0.488153603	0.036489275
17232525	Tspyl4	0.560318672	0.036495564
17368762	Ddx31	0.470691923	0.036496246
17259794	Rnf185	0.554336017	0.036500856
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17344620	Gm11127	-0.852407445	0.036558397
17350754	Gm15345	-0.629030754	0.036565572
17494789	Olfr485	-0.719700759	0.036565572
17384456		-1.118844369	0.036565572
17431065	Pigv	0.488673274	0.036574304
17209851		0.884265212	0.036581878
17276151		-0.866462993	0.03663706
17349930	Pcdhb18	0.660679258	0.036639853
17232112	C920009B18Rik	-0.766276184	0.036646364
17312022	Wisp1	-0.706853277	0.036646364
17438995	Cxcl2	-0.652615375	0.036658072
17481622	Olfr503	-0.555313522	0.036658072
17298935	Gm19521	-0.556677906	0.036661166
17532455	1110059G10Rik	0.459055538	0.036690184
17412115	Gm11872	-0.572009015	0.036702731
17522789		-0.787225314	0.036703844
17501283	Scrg1	-0.563693949	0.036705707
17203421		1.347874004	0.036705707
17333906	Zfp677	0.880050455	0.036740796
17456689		-0.644922483	0.036740796
17478271		-0.958143247	0.036741608
17299502	Olfr744	-0.390884581	0.036763023
17200397		0.796413641	0.036763023
17426117	Zfp37	0.465739275	0.036814531
17202389		-0.897994802	0.036874534
17290865	Epdr1	-0.439819055	0.036882338
17482943	Il4ra	-1.211078458	0.036884985
17377412	Cst9	-0.463892927	0.03688585
17539797	Clcn5	0.551266582	0.036889864
17520254	Adamts7	-0.757779563	0.03692163
17205527		1.18434544	0.036925441
17279584	Esyt2	-0.386742018	0.03695279
17416422	LOC100034661	-0.56927972	0.03695279
17207443		1.390256243	0.03695279
17323473	Crkl	0.414011624	0.036955414
17477475	Aspdh	-0.43816087	0.036962756

17372007	Gm13708	-0.703685325	0.036962756
17226203	Epb4.115	0.467240459	0.03696498
17439815	lbsp	-0.542750811	0.03700318
17476632	Scgb1b19	-0.42856243	0.037010859
17546488	LOC101055954	-0.692650695	0.037030309
17203581		-0.882059901	0.037030309
17387162	Sestd1	0.694181244	0.037070538
17209915		1.60642182	0.037072213
17420811	Gm1667	-0.53397617	0.037096701
17405489	Igsf10	0.719037182	0.037113927
17255118	Mbtd1	0.494029035	0.037113927
17280913	Nova1	0.851998185	0.037113927
17534293	Rhox5	1.018928265	0.037113927
17548883	Gm15067	-0.61367011	0.037114817
17525561	Pknox2	-0.620694857	0.037114817
17343687		-2.074054502	0.037114817
17424042	Aptx	0.447193664	0.037169759
17390431		-0.700738935	0.037171435
17337679	Gm17495	-0.393500295	0.037183254
17353101	Gm15972	-0.345833446	0.037214974
17476693	Gm6096	0.494965309	0.037226072
17276105	2700049A03Rik	0.405022552	0.037233498
17549926	Mrgpra5	-0.434306745	0.037250429
17257593		0.840242907	0.037251172
17431720	Alpl	-0.590777454	0.037263952
17376441	Gm11037	-0.649294241	0.037263952
17309006	Pcdh20	-0.357466241	0.037263952
17339142	Ppp4r1	0.554680379	0.037263952
17333347	Sod2	0.371621235	0.037263952
17407654	Zfp687	-0.428526532	0.037263952
17212341		-0.416640516	0.037263952
17452615	Diablo	0.413878375	0.037303782
17464040	Pde3a	-0.527646886	0.037303782
17379169	Sgk2	-0.51136326	0.037342309
17445370	Cldn12	0.609478409	0.037344623
17237937	B4galnt1	0.417153589	0.037361124
17210313		-0.578364711	0.037361124
17371053	Gm13572	-0.637878711	0.037373147
17274180	Gm16497	-0.504068643	0.037395367
17529014	Gm8074	0.519352356	0.037397741
17200159		-0.732304714	0.037399004
17439351	LOC665290	-0.491681181	0.037415107
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17427686	Slc35d1	-0.353195775	0.037415107
17522803		0.802835506	0.037438158
17463654		-0.548427286	0.037438158
17399663	Jtb	0.449703184	0.037439013
17550711		-0.68688508	0.037441214
17523279		-0.487544508	0.037441781
17469613	Ssu2	-0.534988796	0.037452872
17202049		-0.856059117	0.037469135
17410775	Pkn2	0.355486987	0.037474511
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17433003	Gm15969	-0.474402035	0.037492475
17290904	Olfr1370	-0.560637153	0.03750785
17395629	Gata5	-0.933223655	0.037508063
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17327574		0.821129414	0.03751718
17271803	Grin2c	-0.495526827	0.037519114
17438321		0.413554581	0.037519114
17241257	Col13a1	-0.52643506	0.037530385
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17472632	4930579D09Rik	-0.540299717	0.037541041
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17516047	Robo4	-0.422816504	0.037541041
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17416196	C8b	-0.403040454	0.037546018
17503254	Klf1	-0.76473453	0.037546018
17368292	Gm13563	0.461756402	0.037570317
17208759		-0.737972728	0.037611046
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17430006	Map7d1	-0.360310875	0.037612596
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17203473		-0.920880387	0.037633106
17292871	Dbn1	-0.342456166	0.037633401
17279102	A230087F16Rik	-0.53664716	0.037657914
17321918	Gm5476	-0.459917822	0.037662259
17244653		0.563327166	0.037663246
17265554	4930401O10Rik	-0.686202018	0.037666187
17392947	Defb23	-0.518407011	0.037678489
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17548523	Gm6253	0.77024493	0.037709537
17415606	Nfia	-0.69390886	0.037775084
17204389		0.832640981	0.037780031
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17452889	Ccdc92	-0.506744448	0.037854987
17215539	Spp2	-0.770316106	0.037854987
17261645	Foxi1	-0.523505663	0.037858569
17454069	Mospd3	-0.453906807	0.037895949
17301852	Gm9199	0.574012915	0.037912345
17287126	Ippk	0.611751989	0.037912345
17215035	Psmid1	0.409311379	0.037912345
17548942		-0.423646208	0.037940544
17358832	Ifit1	0.746293466	0.037947586
17374455	Spred1	-0.423364784	0.037947586
17317233	Atad2	0.45972776	0.037956318
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17359562		-0.652869873	0.037976362
17206187		1.018363696	0.038016109
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17409911	A730020M07Rik	-0.478414588	0.038052693
17412009	Gm11861	-0.47623451	0.038060382
17304850	Dph3	0.391924182	0.038078586
17341024		-0.549984427	0.038078586
17549866		-0.491856675	0.038090848
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17326162	Gm16619	-0.464885165	0.038098754
17466894	Hoxa13	-0.775105392	0.038113722
17326984	Gm17518	0.504345742	0.038139213
17296170	Gm10736	-0.480836459	0.038160527
17314222	Acr	-0.421536927	0.03817117
17201785		-0.639984595	0.038183604
17201961		-0.639984595	0.038183604
17516434	D630033O11Rik	-0.601144483	0.038187278
17255588	Hoxb5	-0.628192324	0.038187278
17454166	Pilra	-0.711472754	0.038195223
17263151	Olfr332	-0.491404013	0.038228131
17303593	Lrrc3b	-0.448306174	0.038229403
17507794	Gm16725	-0.504227963	0.038270172
17442977	Crcp	0.559751426	0.038287283
17532621	ND3	-0.447584079	0.038287283
17325661		1.123150883	0.038287283
17209689		-0.76180499	0.038287283
17334922	Neurl1b	-0.506442785	0.038298809
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17531531	5830462I19Rik	-0.427535726	0.038305701
17262136	Gm4926	-0.634512504	0.038305701
17517095		-0.610280465	0.038305701
17408897	Chi3l3	-0.680706671	0.038329734
17307923	Bnip3l	0.353997421	0.038331858
17393207	Ahcy	-0.780982455	0.038335751
17266146	Gosr1	0.383305497	0.038350964
17550741		-0.890250432	0.038350964
17338355	Gm15556	-0.695873762	0.038394142
17224395	Mir375	-0.512454062	0.038394142
17325369		0.562481772	0.038394142
17238870		-0.439758753	0.038394142
17439942	Zfp326	0.471514202	0.038416764
17443181	Dnajc30	-0.430199822	0.038428348
17203323		0.80709422	0.038447957
17471973		0.650855107	0.038448869
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17422785	Acap3	-0.472636636	0.038458826
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17308794		0.747867134	0.038479653
17332690	C530047H08Rik	0.416214407	0.038488615
17424346	Gm21104	-0.429883579	0.038497459
17279528	Tmem121	-0.628416401	0.038503062
17531981		-1.025719148	0.038522755
17532710	Gm14347	-0.894198022	0.038523344
17203949		1.128738601	0.038532911
17229556	Atf6	0.502317643	0.038547804
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17208083		-1.043352496	0.038556883
17464848		-0.3996625	0.038556883
17404906	Gm12541	-0.382062968	0.038562632
17410729	Bmpr1b	0.61081786	0.038609961
17251046	Myh1	-0.455588667	0.038609961
17230960	Prox1	0.752439406	0.038609961
17308153	Synb	-0.401420902	0.038609961
17347163	Xdh	-1.21410239	0.038609961
17370455	Nek6	-0.416372936	0.038637859
17230005	Gm4955	-0.489590746	0.038696804
17206465		1.062076474	0.03870858
17320838	LOC100043315	-0.475034983	0.038745538
17238860		-0.629523602	0.038757971
17316175	Basp1	-0.361206007	0.038771184

17210233		0.894337205	0.038790468
17361120	Rps6kb2	0.470413414	0.038804453
17296007		-0.529649693	0.038822785
17394182	Sys1	-0.687269053	0.038824763
17270315	Gjc1	-0.491185623	0.038836626
17201631		-0.698959356	0.038836626
17206969		1.919125439	0.038856236
17547554		0.609852438	0.038866774
17335480	Rab44	-0.544190594	0.038874462
17202327		0.785940929	0.038926986
17468007	Pole4	0.370917987	0.038929062
17245152	Rab3ip	0.528656292	0.038929062
17543034		-0.5168417	0.038929062
17219986		0.651800865	0.038929062
17352573		-0.550528475	0.038932064
17316169	9230109A22Rik	-0.379426001	0.038938027
17206473		0.868128296	0.038955367
17210695		-0.532951651	0.038962121
17297703	4930428N03Rik	-0.516643438	0.038976068
17200243		-0.729263435	0.038978319
17542292	DXBay18	0.425756732	0.038979834
17350517	Hsd17b4	0.494666665	0.038979834
17414110		-0.497352963	0.038979834
17463184	Tnfrsf1a	-0.484090838	0.038993168
17406460	Dclk2	0.59372215	0.038997586
17457680	Tcrb-J	-0.475275895	0.038997586
17469919	Tmem40	0.412811634	0.038997586
17271295	1700012B07Rik	-0.513737688	0.039000095
17356401	Eif1ad	0.470087534	0.039012807
17261171		-0.436681641	0.039012807
17276854	Slc39a9	0.693402058	0.039015119
17258272	Mrps7	0.517394407	0.039053352
17386454	6430710C18Rik	-0.434885019	0.03905685
17215296	A530079E22Rik	-0.591061115	0.03905685
17334192	Prss27	0.584973039	0.039058004
17383781	Gm13405	-0.455462846	0.039071106
17512119		-0.432001617	0.039075458
17517132	Cryab	-0.49926556	0.039076472
17406323	Mnd1	0.754788692	0.039076472
17406843	1500004A13Rik	0.559741951	0.039076757
17458752	2410066E13Rik	0.772257727	0.039109333
17302333	4930474H20Rik	-0.49901069	0.039109333
17462059	Fam21	0.42992339	0.039109333

17374201	Olfr1299	-0.59601257	0.039109333
17532045	Plcd1	0.449916347	0.039109333
17346817	Soga2	0.409131903	0.039109333
17510295	Ushbp1	-0.44345846	0.039109333
17344937		-0.499005838	0.039109333
17247364		-0.490887307	0.039109333
17420427		0.950190666	0.039109333
17209877		-0.799072457	0.039109333
17466887	Hoxa11	-0.414042446	0.039114916
17398229	1110032F04Rik	-0.560746661	0.039122424
17207437		0.762804505	0.039122424
17380263	1700010B08Rik	-0.512149893	0.039125499
17326495	Gm9017	-0.474021921	0.03913548
17206549		-0.862547968	0.03913548
17336407	H2-DMa	-0.442925229	0.039136988
17496183	Nfatc2ip	0.485071194	0.039136988
17222326	Coa5	0.415315781	0.039162025
17456001	Glcci1	0.46515054	0.039162025
17422215	Gm16333	-0.819612434	0.039162025
17279169	Mark3	0.364695927	0.039162025
17516518	Mcam	-0.481804955	0.039164192
17296321	A430090L17Rik	-0.45483142	0.039170874
17506302	1700030M09Rik	-0.540895224	0.039174339
17337228	Ier3	-0.477603231	0.039183222
17220249	9130409I23Rik	-0.435331688	0.039183373
17208215		-0.890994225	0.039183373
17265302	Gm12315	-0.379791348	0.039202532
17530128	Nck1	0.457073081	0.03920743
17506030	Hsd17b2	0.729907071	0.03920964
17207785		1.255081172	0.03920964
17270060	Gm11586	-0.663382868	0.039210385
17525007	Dpy19l1	0.519831549	0.039216923
17380711	Osbp12	0.510609166	0.039216923
17409154	Gstm1	-0.492654817	0.039217584
17266516	Nlk	0.479811869	0.039218705
17321078	Vdr	-0.669840544	0.039218705
17202523		1.180460718	0.039218705
17378000	Efcab8	-0.416708948	0.039233208
17362121	Tex40	-0.440711496	0.039233208
17525329	St3gal4	0.415010547	0.039233962
17519782	Tmem30a	1.175776622	0.039253249
17340427	Gm20939	0.528118191	0.039254389
17420036	Asap3	-0.446976084	0.039278888

17444664	Zfp655	0.401912311	0.039278888
17321989	Krt74	-0.831148114	0.039280051
17331642	Mrpl39	0.327389768	0.039311699
17346774	Twsg1	0.499724977	0.039311699
17393957	Gm14242	-0.447154891	0.039313825
17223329	Gm17234	-0.484974452	0.039313825
17205551		-0.845315383	0.039313825
17455281	Lnx2	0.655507877	0.039403792
17293258	Spata31d1a	-0.55776979	0.039403792
17219299	Pfdn2	0.359597342	0.039408766
17246084	Spryd4	0.381125453	0.039408766
17396564	Lrriq4	-0.435440392	0.039426704
17224015	Abca12	0.514793236	0.039432396
17370641	Epc2	0.472737422	0.039435234
17290072		-1.599361278	0.039435234
17220166	Acbd3	0.328110869	0.039438625
17383667	Gm14486	-0.574501204	0.039438625
17326598	4930567J20Rik	-0.345208904	0.039442964
17439861	BC005561	0.540783652	0.039442964
17346956	Myl12b	0.360535334	0.039442964
17479608	Zscan2	0.551096463	0.039442964
17439481	Bmp2k	-0.45807463	0.039449148
17549152		-0.507958386	0.039453852
17202211		-0.768340527	0.039461942
17287799	Gm3045	-0.465513128	0.039463562
17229715	Ufc1	0.330206108	0.039503784
17467537		-0.652807017	0.039503784
17506942	A630001O12Rik	-0.441979345	0.039511783
17369911	Ak1	-0.470956489	0.039511783
17534206	Gm21098	-0.398151588	0.039511783
17541703	Mir18b	-0.70775017	0.039511783
17269638	Rab5c	-0.320522929	0.039511783
17463644	Tas2r125	-0.406715931	0.039511783
17508166		0.553690376	0.039511783
17357532		0.735240681	0.039511783
17430958		-0.611111204	0.039511783
17240527	Gm9855	0.594410914	0.039515898
17542344	Trex2	0.694760077	0.039527491
17451345	2900026A02Rik	-0.515264271	0.039528169
17350074	Pabpc2	-0.636521273	0.039535608
17458641	Tax1bp1	0.326320427	0.039568397
17284455		-0.632467203	0.039575646
17231963	Mtfr2	0.554532717	0.039577972

17443710	Azgp1	-0.395463424	0.039585309
17293717	1190003K10Rik	-0.320144886	0.039587268
17305272	Gm7945	-0.563213242	0.039587268
17501748	Lpar2	0.76449644	0.039587268
17519718	Mto1	0.460197238	0.039587268
17370369	Olfr365	-0.677455855	0.039587268
17462437	Usp18	0.605105755	0.039587268
17336042	Zfp952	0.462412886	0.039587268
17296011		-1.016829886	0.039587268
17326502		-0.544152176	0.039587268
17297209	Olfr31	-0.53593897	0.03965221
17499780	Gm21002	-0.50344347	0.039660166
17524355	Olfr867	-0.418582387	0.039675535
17287432	Cplx2	-0.344580554	0.039699265
17414971	Tyrp1	0.869218699	0.039702431
17202271		0.993305997	0.039773649
17416893	Gm12811	-0.415982289	0.039781551
17268810	Mien1	0.479663232	0.039813242
17524311	Muc16	-0.526807331	0.039813242
17330380	Timmdc1	0.37766783	0.039818004
17531370	Fbxw16	-0.807518813	0.039843937
17308600	Rb1	0.735705215	0.039883055
17466546	Zfp786	-0.484237135	0.03990436
17543141	Mageb18	-0.434869033	0.039912133
17456974	2210408F21Rik	-0.343737617	0.039950387
17493901	Gm20476	-0.515417658	0.039950387
17253885	Adap2	-0.892201746	0.039991109
17480327	Alg8	0.564483249	0.039991109
17465830	Mtpn	0.402541203	0.039991109
17239744	Rps12	-0.374583351	0.039991109
17343461	Zfp871	0.578909415	0.039991109
17204323		1.143502578	0.039991109
17408960	Cd53	-0.899837432	0.0400018
17503596	Papd5	0.347012492	0.040038463
17351482		-0.635803212	0.040038463
17300215	A430107P09Rik	-0.413202386	0.040039631
17537401	Gm17714	-0.478346503	0.040043925
17537442	Gm17714	-0.478346503	0.040043925
17345134	Runx2	-0.611755839	0.040043925
17203719		-0.688146105	0.040046921
17376311	Vps16	0.544198155	0.040077487
17476424	Prodh2	-0.628356567	0.040111608
17527818	Senp8	0.453422819	0.040155675

17265082	Eif5a	0.371609532	0.040155693
17297497	Chchd1	-0.518881631	0.040156804
17305114	n-R5s46	-0.969018504	0.040156804
17362671	Lrrc10b	-0.509950146	0.040164544
17201211		0.762241501	0.040172745
17315436		-0.779219841	0.040177372
17278858	Mirg	0.825825859	0.040179708
17242296	Fam207a	0.504463294	0.040186309
17204503		-0.812734291	0.040222765
17214293	Bcs1l	0.487121728	0.040223011
17356472	Efemp2	-0.367073883	0.040223011
17480588	Mir326	-0.597707459	0.040223011
17359143	Lgi1	0.419534637	0.040236659
17284795	Sp4	0.693506304	0.040259651
17315225	Krt86	-0.707570507	0.040261448
17430521	Tmem39b	0.547548611	0.040261703
17312350	Spatc1	-0.389821712	0.040269644
17224608	Gm15179	-0.492275194	0.040283568
17397654	4931419H13Rik	-0.391268829	0.040287699
17417791	Ebna1bp2	0.530268508	0.040287699
17349914	Pcdhb14	0.733991792	0.040287699
17426356	Tnfsf8	0.479425024	0.040287699
17492466	2610034B18Rik	0.410808481	0.040293149
17388177	Gm13783	-0.566406368	0.040293149
17403150	Tspan5	0.836238409	0.040293149
17216217		-0.507702027	0.040293149
17272971	Azi1	-0.329937746	0.040297124
17309360	Slitrk1	0.743810974	0.04030102
17450548	Zfp644	0.403988218	0.040308059
17518109	Uaca	0.477475359	0.040316227
17242207	Pcbp3	0.382761401	0.04031841
17239384	Phactr2	0.536811337	0.04031841
17503462	Phkb	0.508667332	0.04031841
17205901		1.045110297	0.04031841
17220861	Slc30a1	0.588433876	0.040324273
17536238		-0.386243879	0.040329082
17415973	Leprot	0.446972206	0.040331655
17332117	Gm15966	-0.5188127	0.040350696
17236172	4930486F22Rik	-0.322588394	0.04035554
17229113	Gorab	0.613734801	0.04035554
17522916	Itga9	-0.419760855	0.04035554
17473423	Ssc5d	-0.584484202	0.04035554
17212778	Tmem194b	0.451189538	0.04035554

17550807		-0.353033517	0.04035554
17251604	1700067G03Rik	-0.588970488	0.040361836
17270730	Limd2	-0.332246653	0.040367225
17359113	Ffar4	-0.3978691	0.040389918
17233644		-0.609472337	0.040390667
17538056	4933428M09Rik	-0.463034422	0.040402625
17229257		-0.509088178	0.040455475
17393483	LOC101056574	0.493507277	0.040470628
17532737	n-R5s2	-0.700028697	0.040493157
17513240	Adamts18	0.611371012	0.040499501
17337441	Trim26	0.43612127	0.040503937
17366912		0.805789881	0.040506279
17330456	4932412D23Rik	-0.438021901	0.040531265
17269192		-0.323820696	0.040596061
17492826	Homer2	0.537184211	0.040598478
17289396	Ankra2	0.418406811	0.040600804
17439541	4930405H06Rik	-0.565491125	0.040613534
17402558	Elovl6	0.720767275	0.040613534
17274326	Gm4983	0.426001917	0.040617391
17210059		-0.854707781	0.040617391
17450354	Hsd17b13	-0.602401164	0.040629853
17299919	Trav15d-1-dv6d-1	-0.470301922	0.040631635
17420154	Wnt4	0.604147574	0.040631635
17484484	Paox	0.448888343	0.040661459
17491211	Hps5	0.446067735	0.040677248
17387267	Neurod1	0.692996175	0.040677248
17202815		0.631391855	0.040706214
17499255	Cul4a	0.360699106	0.04071029
17298823	Gm3219	-0.393089344	0.04071979
17437350	Gm20475	-0.504331332	0.040738854
17546963	Rbmy	-0.548889633	0.040738854
17488406	Supt5	0.563594959	0.040738854
17393334		1.065896745	0.040740021
17253599	Aldoc	0.574564709	0.040768101
17405352	F830104G03Rik	-0.449219939	0.040768101
17255048	Gm525	-0.406885158	0.040768101
17378337	Map1lc3a	-0.402984502	0.040768101
17370373	Olfr367-ps	-0.643204798	0.040768101
17250517		-0.363863597	0.040768101
17411492	4930573O21Rik	-0.83609694	0.040768411
17357280	Ganab	0.468364793	0.040776716
17255602	Mir10a	-0.438664969	0.040776716
17250392	Myo15	-0.367305683	0.040776716

17469636	Rad18	0.546985559	0.040782896
17289544	Gm17160	-0.622033735	0.040799284
17207679		0.828501866	0.040799284
17279542	Adam6a	-0.799973124	0.040827431
17540173	Gm5132	-0.401186915	0.040827431
17474389	Mypop	-0.410021168	0.040878279
17263423	Zkscan17	0.381267764	0.040887088
17263355	Gjc2	-0.477432287	0.040890065
17397439	Naa15	0.525566761	0.040890065
17547704	Ppm1a	0.879510451	0.040890065
17383848	Swi5	0.385116334	0.040890065
17418757	1700080G11Rik	-0.5819775	0.040898168
17493005	Fah	-0.520445085	0.040898168
17272810	Gm11747	-0.501940902	0.040898168
17478225	Ldha	0.398467396	0.040898168
17274094	Rpl15	0.340828677	0.040898168
17202665		0.681315622	0.040898168
17279957	Msgn1	-0.655006746	0.040917314
17206125		-0.638688131	0.040950726
17472362		-0.529664007	0.040954971
17372578	Gm13718	-0.401317432	0.040974804
17209763		1.088838287	0.040975532
17478889	Apba2	0.517574495	0.040991998
17549478		-0.530285895	0.040991998
17549624		-0.530285895	0.040991998
17479521	Tll13	-0.366813326	0.040998938
17493916	Inpp1	-0.612772751	0.041008315
17464208	Gm15687	-0.467122234	0.04102764
17204663		0.99267345	0.041029777
17435567	Paxip1	0.534663441	0.041145698
17271443	Abca6	-0.584905033	0.041146432
17549644	Commd2	0.452919939	0.041146432
17377870	Hck	-0.777136427	0.041166889
17257896	Gm11683	-0.572967262	0.041188347
17392676	Apmmap	0.468884003	0.04118888
17288650	Ccdc127	-0.392391852	0.04118888
17233600	Ascc1	0.391942918	0.041193083
17522791	Osbpl10	-0.460589501	0.041193083
17291787	Slc22a23	0.88353941	0.041193083
17350194		-0.764556789	0.041193083
17229795	Vangl2	0.601598494	0.04120713
17203661		1.411000668	0.041223678
17221215	Cops5	0.343377209	0.041243934

17320389	Dennd6b	0.525122439	0.041243934
17405670		0.999287004	0.041243934
17503377	Dhps	0.435586878	0.041256406
17398651		0.542900679	0.041256976
17206929		1.310558649	0.041256976
17314051	Panx2	-0.453994754	0.041260988
17428600	Mast2	-0.456734367	0.041267002
17368930	Cercam	-0.578527498	0.0412671
17546563	Gm21428	-0.396085863	0.041273748
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17428714	Toe1	0.341228056	0.041277993
17460451	1600020E01Rik	0.49200705	0.041295714
17474097	Bbc3	-0.381518793	0.041317575
17347265	Gm16391	-0.501810097	0.041319566
17310982	Osr2	0.619164786	0.041319566
17216676	En1	-0.522593669	0.041325999
17256801	LOC666331	-0.391968554	0.041325999
17358227	Ptar1	0.626683268	0.041325999
17358777	Stambpl1	0.37410499	0.041325999
17203065		0.693596784	0.041325999
17273056	2900052L18Rik	0.448214995	0.041328381
17537458	Gm17714	-0.480986	0.041389186
17502445	1700030K09Rik	0.429391645	0.041408525
17267654		-0.516569421	0.041408525
17248076		0.687403595	0.041408525
17317500	Asap1	-0.435696816	0.041410357
17481618	Olfr497	-0.495318248	0.041413935
17519936	Gm5919	-0.377688915	0.041418958
17208391		-0.764927792	0.041421436
17306785	Nedd8	-0.403204248	0.041423575
17341631	Prss33	-0.477399245	0.041423575
17203097		-0.944950855	0.041426151
17544453	Trmt2b	0.607018147	0.041444688
17505740		-0.564805613	0.04146865
17424596	Fam166b	-0.430512807	0.041501786
17235915	Txnrd1	0.432495011	0.041501786
17281773	Timm9	0.724894997	0.041532094
17297181	Sntn	-0.441484079	0.041532137
17374058	Kif18a	0.405829111	0.041711527
17383571	D2Wsu81e	0.701807365	0.041724078
17508464	Hgsnat	0.496882114	0.041724078
17300839	Mphosph8	0.449433333	0.041724078
17440164	Ccdc18	0.608490142	0.041738762

17459386	Gm10360	-0.598924262	0.041739027
17472703		-0.911996796	0.04178857
17484563	Olfr535	-0.466436397	0.041813426
17358032	2410127L17Rik	0.359115531	0.041832499
17423433	Otud6b	0.521431749	0.041836925
17266498	Nlk	0.368330392	0.041855448
17207081		-0.855002928	0.041872256
17425038	Nans	0.6381816	0.041900468
17201097		2.008879445	0.041954762
17366031	Vax1	-0.534463966	0.042030177
17235730	2210404O07Rik	-0.39945823	0.042035304
17432463	Gm13088	-0.455848975	0.042035304
17464783	Gm16055	-0.423471869	0.042035304
17424952	Shb	-0.442009832	0.042035304
17506327	Gm20269	0.616505104	0.042038965
17347074	Gm15641	-0.389333563	0.04204289
17260697		-0.809734963	0.04204289
17376867	Btbd3	0.460149605	0.042046662
17262662	Gm12212	-0.449145835	0.042055967
17527963	Paqr5	0.449059236	0.042059553
17462170	Zfp637	0.446563806	0.042060572
17269954	Etv4	-0.452375809	0.042076798
17392561	Foxa2	0.584877538	0.042082664
17204911		-0.985349294	0.042082664
17285736	Gm11291	-0.484986476	0.042084292
17537336		-0.801699796	0.042093268
17470313	Wnt5b	-0.365159362	0.042095337
17207721		1.485095882	0.042109988
17363598	Fxn	0.411005073	0.042120675
17423709		-0.439201952	0.042131379
17550681		-0.464165242	0.042139368
17277519		-0.805503564	0.042144349
17226297	Tmem37	-0.51259895	0.042173235
17492905	Il16	-0.340480738	0.042183944
17258789	Tnrc6c	-0.561970734	0.042183944
17538784		-0.623684889	0.042183944
17428497	Tex38	-0.471507097	0.042216386
17316161		-0.533170696	0.042243398
17216240		-0.511524722	0.042254676
17292772	4930526F13Rik	-0.456665884	0.042260001
17218233	Colgalt2	0.460227719	0.042328293
17432426	Prdm2	0.648998635	0.042328293
17204571		0.58618797	0.042328293

17268642		-0.830060377	0.042328293
17288420	4933416O17Rik	-0.393076526	0.042330952
17529859	E030011O05Rik	0.340020462	0.042330952
17211850	Cox5b	-0.632931942	0.042353286
17391487	Gm14011	-0.474782385	0.042353286
17392943	Zcchc3	-0.578039564	0.042353286
17259314	Fscn2	-0.461323735	0.042354408
17507347	Fam155a	0.872006728	0.042354472
17486942		-0.889182638	0.042363688
17491975	1700112J16Rik	-0.46492846	0.042364865
17271051	Bptf	-0.42767526	0.042364865
17436987	Gm1043	-0.447290926	0.042364865
17421476	Gm13139	0.57256145	0.042364865
17399914	Lce3d	-0.707062347	0.042364865
17386479	Mir5115	-1.048250937	0.042364865
17348449	Riok3	0.411883794	0.042364865
17203389		-0.567202561	0.042365699
17521070	Mrpl3	0.363508176	0.042379786
17525393		-0.504405682	0.04238069
17277472	Ift43	0.350648703	0.042418883
17202869		1.513580469	0.042438718
17208207		1.008377026	0.042443864
17416537	4933424M12Rik	-0.60581692	0.042444835
17547867	9930017N22Rik	0.686725321	0.042444835
17399649	Rab13	0.37107195	0.042471935
17348276	Fzd8	-0.425703896	0.04250049
17424018	Topors	0.380466622	0.042508287
17282789	Ngb	-0.570254114	0.0425381
17311447	1700022A22Rik	-0.443091102	0.042539924
17452776	Mphosph9	0.546552375	0.042551865
17518616	Rbpms2	-0.780052654	0.042551865
17547905	Gm20555	-0.338275054	0.042570917
17429301	Gm12866	-0.558806184	0.042581058
17413832	Nans	0.42210547	0.042582805
17438621	Ugt2b35	-0.346226546	0.042586745
17277863	3300002A11Rik	-0.572775556	0.042588599
17319150	Baiap2l2	-0.473522474	0.042588599
17201219		0.871165653	0.042588599
17376423	Hspa12b	-0.414692956	0.042619223
17535284	Mam1d1	0.864412635	0.042619223
17313654	Tspo	-0.675906088	0.042619223
17298250	Tmem110	0.408672354	0.042675754
17482079	1110006G14Rik	-0.544380362	0.04268108

17531581	Nradd	0.728091669	0.042700054
17261969	Ttc1	0.359463057	0.042700054
17431266	Grrp1	-0.477988257	0.042739713
17313260	Xpnpep3	0.659369235	0.042754884
17511660	Ces1b	-0.475441366	0.042760406
17498208	Trpm5	-0.55468086	0.042760406
17410090	1700006A11Rik	-0.440538037	0.042765676
17202101		-0.728771877	0.042815074
17282942	Gm10436	-0.509356245	0.042832852
17219455		0.523386891	0.042832852
17344728	H2-M10.1	-0.720625568	0.042836342
17456074	1110019D14Rik	-0.402551712	0.042856426
17261120		-0.581554682	0.042881533
17238894		-0.355770805	0.042886796
17491961	Asb7	0.441344911	0.042891966
17337224	4833427F10Rik	-0.536561095	0.042901006
17400043	C2cd4d	-0.569935425	0.042901006
17293163	Mir7-1	0.789074942	0.042901006
17398274	Ppm1l	0.607356776	0.042901006
17350652	Gm19466	-0.689222226	0.042913726
17470930	Leprel2	-0.609117789	0.04292687
17275612	Mipol1	0.392668405	0.04292687
17357362	Mta2	0.51550009	0.04292687
17265386	Scimp	-0.58723896	0.04292687
17542965		-0.95123323	0.04292687
17521178	Poc1a	0.512447317	0.042927549
17201339		0.752072994	0.042927549
17547008		-0.419912432	0.042942701
17208635		0.857799785	0.042965124
17284995	Gm5444	-0.409444723	0.043019428
17359285		-0.362928196	0.04302769
17485724	Rdh13	0.343181015	0.043037806
17261250	Ccdc104	0.418292276	0.043074693
17452853	Rilpl2	-0.429452305	0.043074693
17383199	Rexo4	0.378452445	0.043089141
17453132		1.248483862	0.043109695
17208923		0.620573457	0.04313183
17317046	Tnfrsf11b	0.531769857	0.043142698
17285404		-0.508731761	0.043143355
17545756	Gm15241	-0.580514876	0.043161399
17314049		-0.828810556	0.043190349
17210051		-0.821899151	0.043196525
17247948	Efemp1	1.017228497	0.043202367

17384453		0.426718233	0.043217069
17207301		0.833542656	0.043242887
17546614		-0.43538793	0.043242887
17339973	Pkdcc	-0.412302884	0.043273151
17429341	Lepre1	0.587519841	0.043291146
17308466		0.477090391	0.043291146
17505967	Cmip	-0.437104339	0.04329759
17408156	Gja8	0.783178528	0.04329759
17442507	Setd8	0.401285232	0.04329759
17542320	Xlr3c	1.077952886	0.04329759
17253667	Sebox	-0.690929856	0.043300728
17470235	Cacna1c	-0.617497325	0.043308784
17528947	2810047F03Rik	0.561130532	0.043319418
17501940	Crlf1	-0.528783458	0.043319418
17372136	Gm13658	-0.444665229	0.043319418
17266418	Gm3948	-0.57391624	0.043319418
17337155	Pou5f1	-0.625636584	0.043319418
17407246	Creb3l4	0.527582401	0.043321258
17450199	Nkx6-1	-0.38148183	0.04332307
17513672	Cyba	-0.556486498	0.043337318
17548786		-0.550394592	0.043337318
17301920	4933402J15Rik	-0.540156918	0.043363074
17227261	Gpr37l1	-0.468749917	0.043363074
17516915	Apoa5	-0.738817876	0.043381512
17542239	Cetn2	0.353945341	0.043381512
17377360	Gzf1	0.344390581	0.043381512
17516127	Olfr881	-0.520655076	0.043381512
17203479		-0.899164771	0.043381512
17547484	Gm21428	-0.442719272	0.043382839
17210311		0.950820966	0.043402694
17442307	Lrrc43	-0.719294104	0.043426149
17370326	Olfr338	-0.631504515	0.043426149
17526120	Rnf26	-0.468101079	0.043426149
17532811	Foxp3	-0.475344819	0.043427609
17363160		-0.483552687	0.043448679
17278261	Serpina3b	-0.376049853	0.043466269
17321711	5330439K02Rik	-0.528561224	0.043483462
17473338	Gm15873	-0.442092491	0.043532461
17227864		0.553219966	0.043540637
17362289	Mark2	0.620028867	0.043546365
17459288		-0.484188934	0.043547689
17548783	9430032J07Rik	-0.353525305	0.043586505
17362031	Slc22a12	-0.463244689	0.043586505

17537883	Tceal7	0.508880599	0.043599577
17535477	Gm20455	-0.389893174	0.043604281
17343207	Wdr4	0.421533907	0.043628992
17202705		-0.638966982	0.043655936
17538744	Huwe1	-0.51602133	0.043670852
17493772	Dnajib13	-0.499059096	0.043692285
17239611	Slc35d3	-0.470343048	0.043692285
17377672	Tcf15	0.93368294	0.043692285
17219086	Tmco1	0.425845709	0.043692285
17360004	Tmem180	-0.421623806	0.043692285
17337250	Mdc1	0.546381393	0.043695842
17505648	Cog4	0.483414467	0.043697008
17201547		-0.582540257	0.043721285
17208639		0.834215402	0.043724283
17443732	Zkscan1	0.529514563	0.043740666
17407926	Mrps21	-0.463075061	0.043786886
17359961		-1.588604653	0.043787487
17203395		1.409134993	0.04380058
17345422	Cul9	-0.319760819	0.043819372
17233554	Pla2g12b	0.866804218	0.043830743
17248686	4930597A21Rik	-0.453439948	0.043834124
17200155		0.9241974	0.043861078
17379960	Ptpn1	-0.37818772	0.043907613
17406182	Gm9989	-0.45043972	0.043950296
17374174	Olf1280	-0.521760098	0.043955717
17266259	LOC101055794	-0.432287871	0.043957419
17459095	n-R5s162	-0.978526656	0.043961386
17464549	Calcr	-0.417973885	0.04398649
17546923	Rbmy	-0.435098902	0.04398905
17220600	D1Pas1	-0.476405857	0.043999649
17416897	Faf1	0.36753138	0.043999649
17546753	Gm21419	-0.491307687	0.043999649
17284496		-0.410690928	0.043999649
17509806		-0.441504892	0.044007535
17276253		0.499882062	0.044007588
17376300	1700020A23Rik	-0.353081434	0.044041908
17360916	1700030N03Rik	-0.531680792	0.044041908
17487361	Apoc2	-0.911588827	0.044041908
17215101	Gm5258	-0.655013301	0.044041908
17532341	Lyzl4	-0.529413343	0.044041908
17244913	Zdhhc17	0.742616708	0.044041908
17341693		0.329335959	0.044041908
17405893	Slitrk3	0.69043036	0.044064893

17550653		-0.475862467	0.044069735
17390433	Zscan29	-0.501162368	0.04407083
17547598	Nt5c	-0.426416952	0.044094998
17444254	Slc29a4	0.543636363	0.044094998
17208087		1.381279561	0.044099794
17292390	Wnk2	0.505452748	0.044101107
17487249	Mark4	-0.42217029	0.044127102
17475251	Megf8	-0.586415123	0.044127102
17367740	Zmynd19	0.379633885	0.0441273
17203765		-0.541452994	0.04413026
17364242		-1.092475742	0.044133286
17509964	LOC100048268	0.421667159	0.044155008
17214405	Gm15841	-0.585141612	0.044163453
17401629	Gnat2	-0.431470391	0.044163453
17465636	Plxna4	-1.455911133	0.044163453
17509288	Wwc2	-0.470197457	0.044163453
17200313		0.829062998	0.044163453
17276928	6530401F13Rik	-0.45853714	0.044175448
17218820	Sele	-0.537473859	0.044181143
17511567	Aktip	0.453543023	0.044214311
17489610	Pdcd2l	0.552061458	0.044214311
17209709		0.933456996	0.044219543
17451677	Cabp1	-0.441906413	0.04422191
17281971	Sgpp1	-0.678470725	0.04422191
17262416	Zfp454	0.640014899	0.04422191
17208753		1.245899633	0.04422191
17309338		-0.811928915	0.04422191
17244393		-0.450408288	0.044256947
17372072	Hoxd8	-0.48796048	0.044264206
17544308	Gm14950	-0.406227378	0.044283379
17476728	Cebpa	-0.564707298	0.044295736
17358617	Uhrf2	0.413668201	0.044314788
17489873	Uri1	0.473313034	0.044314788
17458407	Abp1	-0.543317518	0.044344141
17437702	Mir574	-0.682195829	0.044348554
17500060	Mir486	-0.646371337	0.044351015
17318002	Slurp1	-0.345850854	0.044351015
17443310	Mdh2	0.442125811	0.044351052
17202025		1.116976645	0.044369342
17203261		1.001948811	0.044395717
17448335	Pds5a	0.377250414	0.044400528
17283082	Lysmd1	0.789699855	0.044403765
17218460	2810025M15Rik	-0.552241005	0.044406897

17266185	Ccdc55	0.395994393	0.044406897
17459696	Gm15401	-0.456179453	0.044406897
17298791	Rpl23a	-0.418033846	0.044406897
17302600	Slitrk5	0.550865608	0.044406897
17299898	Trav9n-1	-0.360242192	0.044406897
17303623		-0.967963862	0.044406897
17402097		0.528877826	0.04441221
17509527	Gm16178	-0.447045943	0.044417452
17469537	Gm15631	-0.586247325	0.044440461
17301689	4930480K23Rik	0.532799946	0.044443375
17274190	Gm5432	-0.479953508	0.044462665
17229020	Fmo1	0.479847383	0.044469483
17496857	Cox6a2	0.398472237	0.044491777
17225085	Gm16092	-0.742624262	0.044491777
17315045	Dazap2	-0.405219541	0.044497649
17212355	LOC101056345	0.484089414	0.044497649
17508416	Bag4	0.407037071	0.044502729
17204951		0.946723589	0.04450738
17518102	1700036A12Rik	-0.456218211	0.044525828
17545409	A230072E10Rik	-0.394000231	0.044525828
17418030	Gm12860	-0.482594929	0.044525828
17440885	Myo1h	-0.336230924	0.044525828
17314699	Prph	0.58069735	0.044525828
17437727	Wdr19	0.661374432	0.044525828
17423901	Zfp292	0.582837313	0.044525828
17331640		-0.636406615	0.044525828
17270087		-1.037873259	0.044525828
17211973	Unc50	0.357687706	0.044527046
17204053		1.258175947	0.044527441
17280919		-0.689539942	0.044527441
17268071	Tmem92	-0.54407299	0.044529109
17203561		-0.497912162	0.044529109
17473810	Zfp324	0.647540812	0.044530089
17536961	Chic1	0.610492733	0.044559659
17289813	Actbl2	-0.597125335	0.044610391
17380749	Gm14318	-0.567905841	0.04461515
17520043	Cyb5r4	0.437916834	0.044678274
17308132	Slc25a37	0.567414339	0.044678274
17363640	Foxd4	-0.582933505	0.044678988
17359964		-0.663896612	0.044682417
17512337	B3gnt9	-0.663762308	0.044683852
17264448	Arhgef15	-0.341138747	0.044685045
17544025	Fndc3c1	-0.926906774	0.044685045

17427456	Gm12676	-0.492014958	0.044685045
17284858		-0.676188627	0.044685045
17398785	Arhgef11	-0.411981105	0.04472595
17495553	Coq7	0.486168564	0.04472595
17428803	Kif2c	0.807962517	0.04472595
17352462	Kif5b	0.341162685	0.04472595
17481227	Olfr628	-0.42438774	0.04472595
17410748	Pdlim5	-0.375473277	0.04472595
17250948	Sco1	0.607246596	0.04472595
17510898	Scoc	-0.646570632	0.04472595
17222800	Slc39a10	0.383379961	0.04472595
17535607	Slc6a8	-0.430240747	0.04472595
17267932	Spata20	-0.449362902	0.04472595
17381511	Gm10855	-0.56418558	0.044728098
17280577	Hbp1	0.384316636	0.044728098
17362970	Gm19261	-0.537752628	0.044778798
17430288	Adc	-0.592672308	0.044785781
17377405	Cst13	-0.407795937	0.044785781
17394239	Wfdc11	-0.414460981	0.044785781
17444416	Rsph10b	0.437753335	0.044790767
17535245	Aff2	-0.798895189	0.044812111
17548321	Efhd2	-0.414149739	0.044812111
17362609	Fen1	0.491531376	0.044820043
17345706	Tomm6	-0.494588019	0.044872689
17479516	Gdpgp1	0.479281478	0.044897248
17201833		-0.67586205	0.044919474
17533956	Gm14354	-0.682132944	0.044923092
17502714	Slc10a7	0.547053044	0.044931072
17308481		0.438655943	0.044931072
17273747		-0.422943716	0.044943929
17418904	Ak2	0.452561241	0.044955394
17204685		0.650456353	0.044988072
17438728	Smr2	-0.642387594	0.044998494
17252183	Eno3	-0.628790091	0.045004299
17428946	Atp6v0b	0.452738412	0.045015181
17428278	Skint9	-0.389392477	0.045015181
17520034	Prss35	0.471814943	0.045032979
17388592	Mir129-2	0.563924323	0.045073863
17328654	Pi4ka	-0.506886258	0.045073863
17518573	Mtfmt	0.434811751	0.045079032
17551119		-2.164201216	0.045079098
17478745	Atp10a	-0.570889452	0.04508147
17236934	Cep290	0.493280661	0.04508147

17393531	Cnbd2	-0.650686831	0.04508147
17299353	Ktn1	0.386564648	0.04508147
17286893	Rnf182	-0.392277855	0.04508147
17361522	Sf3b2	0.507379596	0.04508147
17480100	n-R5s155	-0.668125134	0.045085934
17525395	Gm1113	-0.536502243	0.045134859
17204915		0.843888716	0.045134859
17264844	Eif4a1	0.353690898	0.045145817
17253839	Suz12	0.447352629	0.045145817
17290259	Ucn3	-0.612327861	0.045147115
17536225	Gm14781	-0.52908612	0.045153712
17204693		1.222001631	0.04516147
17334722	Rpusd1	0.714229337	0.045175008
17401526	Kcna3	-0.481128318	0.045177145
17279107	A230065H16Rik	-0.499164339	0.045190664
17335234	Scube3	-0.681980942	0.045190664
17209131		-0.729943734	0.045214919
17288414	Med10	0.40804335	0.045224438
17422745	Dvl1	-0.375413925	0.045230092
17315860	Slc1a3	0.69737297	0.045230092
17203847		-0.794576097	0.045230092
17501550	Naf1	-0.40657798	0.045230749
17206103		-0.922620776	0.045230749
17367388		-0.450307951	0.045232783
17278700	Mir3070b	0.933573022	0.045235866
17381128	Opr1	0.405405426	0.045235866
17346150	Lrg1	-0.513177254	0.045254537
17466441	Fam115c	-0.484839297	0.045258252
17400066	Lingo4	-0.407228917	0.0452774
17429921	Dnali1	-0.385363302	0.045278793
17490111	Zfp715	0.687146607	0.045282721
17200829		1.206272958	0.045282721
17293240		0.644773326	0.045298446
17481550	Olfml1	0.729970539	0.045302345
17381259	Gm13191	-0.445556357	0.045304085
17200741		1.634479781	0.045305507
17509498	Gm15881	-0.444625579	0.045308621
17448768		-0.711984829	0.045324922
17392047	Crls1	-1.208198039	0.045348198
17370371	Olfr366	-0.504212609	0.045350564
17236182	Timp3	-0.602012674	0.045350564
17290193		-0.37095219	0.045350564
17202981		0.849054902	0.045350564

17284334	Ighg	-0.537097825	0.045365127
17321467	Tuba1b	0.56040247	0.045365127
17440592	Ttc28	-0.712527072	0.045396712
17226867	1700037F24Rik	-0.34763524	0.045430562
17250615	Grap	-0.758845133	0.045430562
17246381	Mettl7b	-0.374460434	0.045430562
17384576	Olfr362	-0.555463227	0.045430562
17361276	Rhod	0.478068558	0.045464169
17210681		-0.757435299	0.045464169
17422573	Gnb1	0.376998991	0.045465817
17225283	Gm19582	-0.499849602	0.045475862
17318140	Gm19937	-0.658478878	0.045494356
17407400	Sprr1b	1.152222268	0.045494356
17438993		-0.87333001	0.045494356
17360735	Ccdc172	-0.683219371	0.045498321
17330046	Sec22a	0.506086221	0.045499758
17341996		-0.657604283	0.045520498
17323064		0.916857723	0.045520498
17277177	Dnal1	0.376580513	0.045531502
17209729		0.640221644	0.045565575
17544960	Psm10	0.489964356	0.045579925
17547315	Gm21428	-0.392640121	0.045590044
17413674	Aldh1b1	-0.43250458	0.045595949
17260306	Rps15a-ps6	0.850208469	0.045597276
17372825	Olfr1113	-0.483668194	0.045614375
17437667	C030018K13Rik	-0.548304182	0.0456182
17210029		-0.75591508	0.045621735
17494179	Olfr610	-0.47050476	0.045638194
17529316	Fam46a	0.383647478	0.045640768
17500068	Sfrp1	-0.952986884	0.045701909
17268430	Lrrc46	0.439934134	0.045716809
17482678	1700069B07Rik	-0.381661825	0.045720091
17414545	Slc31a1	0.356754108	0.045720091
17548587		-0.574839501	0.045720091
17317208		0.87547034	0.045720091
17381330	Optn	0.421136337	0.045722272
17299857	Trav12-2	-0.338252913	0.045722272
17299934	Trav12-2	-0.338252913	0.045722272
17361445	Tmem151a	-0.429874624	0.045725868
17366338		-0.650365206	0.045725868
17350110	Rbm27	0.473210768	0.045742267
17482072	A730082K24Rik	-0.358814762	0.045773262
17548585	Gm4887	0.339455891	0.045773262

17288434	8030423J24Rik	-0.403593659	0.04579618
17341699		0.48044868	0.04579618
17508850	Msr1	-1.020877061	0.045805343
17228958	Gm5705	-0.846530801	0.045805712
17468961	Nup210	-0.361362801	0.045805738
17354698	Cdx1	-0.472407753	0.045815621
17354036	Lars	0.468485084	0.045825332
17283092		-0.463013896	0.045826364
17457092	Lrguk	0.393440059	0.045827537
17282689	Acyp1	-0.43423953	0.045829709
17498673	Camsap3	0.796123588	0.045833639
17400403	Golph3l	0.372521666	0.045833639
17315396		0.905197597	0.045833639
17305964	Olfr749	0.66462262	0.045841129
17435095	Fam185a	0.443127272	0.045841995
17206043		-0.734120944	0.045841995
17306877	Adcy4	-0.576393197	0.045876605
17298057	D14Abb1e	0.430455267	0.045876605
17367004	Il15ra	-0.533698532	0.045876605
17269096	Krt23	0.480816946	0.045876605
17447884	Ldb2	0.755025048	0.045876605
17203035		-0.881692023	0.045876605
17227867	2310030A07Rik	-0.40325326	0.045878016
17207243		-0.545663608	0.045878856
17278894	Ppp2r5c	0.354810365	0.045920781
17359053		-0.629977616	0.045940385
17408015	Hist2h3c2	0.914709987	0.0459698
17286641	Dsp	0.972692334	0.045982642
17300112	Trdv1	-0.479931286	0.045982642
17208039		-0.617895785	0.046006256
17516010	Fez1	0.407531218	0.046007105
17334009	Zfp946	0.773630389	0.046009365
17523630	Gm17120	-0.649545831	0.046035897
17290987	Olfr1362	-0.535099589	0.046035897
17201873		-0.892135406	0.046035897
17423781	Pm20d2	-0.414175485	0.046039493
17493310		-0.620146822	0.046123025
17344866	Olfr102	-0.427784664	0.046158752
17253996	Tmem98	-0.702666024	0.046159225
17295304	Gm17352	-0.776822672	0.046161433
17288616	Tppp	0.496965063	0.046166835
17412045		-0.409902636	0.046181098
17417598	Eif2b3	0.580598347	0.04618387

17310201	Lmbrd2	0.628753554	0.046213111
17245570	Tmem5	0.35839054	0.046253536
17537815	Gprasp1	0.431159848	0.046260959
17467458		-0.748449093	0.046260959
17460643	Dnajb8	-0.54968257	0.046266422
17362447	9830166K06Rik	-0.517056147	0.0463775
17423665	Fhl5	-0.482901786	0.0463775
17415917		-0.602626876	0.0463775
17445359		-0.688036237	0.0463775
17448766		-0.647742392	0.046384686
17294402	Zfp72	0.843008985	0.046393336
17306418		-0.578565118	0.046403736
17328895		0.56058039	0.046403736
17540102	Gm14459	-0.541094922	0.04642989
17549610	Ercc5	0.439337546	0.046435994
17403729		-0.49326146	0.046436043
17520177	Mthfs	-0.506280326	0.046500944
17467466	Igkv4-55	-0.555492496	0.046506903
17305787		-0.481040683	0.046509244
17364176	Ankrd1	0.709509717	0.046544701
17343823	Gm20513	-0.477617415	0.046551862
17380291	Npepl1	-0.482591554	0.046551862
17200787		-0.960509252	0.04655312
17210707		-1.305817246	0.04655312
17318650	Cyhr1	0.369440343	0.046574267
17402535	Gm10650	-0.833315659	0.046574541
17353576		0.597392966	0.046588233
17538141	E230019M04Rik	-0.528647027	0.046614523
17418119	Mycl1	0.507796597	0.046614523
17276940	Pcnx	-0.603949119	0.046634722
17319035	Gm6723	-0.728283234	0.046637763
17437263	Med28	0.52115884	0.046637763
17298942		-0.994091975	0.046637763
17293484	Gm3604	0.656289464	0.04666174
17278998	Hsp90aa1	0.912010252	0.04666174
17284379	Igh-VX24	-0.699843029	0.04666174
17240750	Ros1	-0.466051757	0.04666174
17223571		-0.451491837	0.046667966
17294352	Ahrr	-0.375255313	0.046669776
17205045		-0.721191091	0.046669776
17209235		-0.721191091	0.046669776
17440325	Gm10417	-0.527197729	0.046709892
17204541		-0.583254626	0.046711001

17512854	Gm17344	0.600877259	0.046736566
17522958	Ctdspl	0.532577533	0.046749238
17265724	Gsg2	0.730617909	0.046749238
17202825		0.901473038	0.046749238
17218449	Angptl1	0.719075033	0.046799119
17204849		0.706764619	0.046799788
17377831	Tll9	-0.441878762	0.0468204
17550841		-0.528930992	0.0468204
17259907	Tcn2	0.369635376	0.046886375
17249097	Rnf130	0.508275487	0.046889405
17326005	Gm7275	-0.393265402	0.04689452
17293083	Mir874	-0.562684901	0.046897289
17448543	Gnpda2	0.436079147	0.046910376
17483048	Apobr	-0.390800336	0.046913707
17483912	Htra1	-0.44880735	0.046913707
17514118	Fam89a	0.609118024	0.046927344
17287928	Naa35	0.519831505	0.046931221
17529901	Slc25a36	0.533993812	0.046964142
17329445	1110054M08Rik	-0.341647666	0.046972472
17451400	1700069L16Rik	-0.564762071	0.04698528
17432749	2610305D13Rik	0.592688187	0.04698528
17337133	H2-Q7	-0.520286817	0.04698528
17322230	Map3k12	0.678571761	0.04698528
17204573		1.06107453	0.04698528
17306865		0.92635549	0.04698528
17395499	Hrh3	-0.474461867	0.046998227
17309264	4921525B02Rik	-0.632171784	0.046999573
17539411		-0.482484448	0.047012199
17356108	Pitpnm1	-0.450263387	0.047021178
17207921		0.546770869	0.047021178
17387430	D030029J20Rik	-0.678876216	0.047026519
17319230	Ddx17	0.37985624	0.047026519
17541563	Olfr1324	-0.51328251	0.047029581
17203977		1.145882973	0.047077768
17421462	Gm21082	0.782699232	0.04710977
17348589	Mir1948	-0.530121437	0.04710977
17201819		-0.444512188	0.04710977
17201995		-0.444512188	0.04710977
17306678	Gm8894	-0.419999453	0.047112293
17437490	Rbpj	-0.471139559	0.047112742
17390997	Secisbp2l	-0.36694533	0.047112912
17528913	Hcrtr2	-0.522846428	0.047115555
17365347	Psd	-0.413411431	0.047118732

17264634		-0.722289975	0.047118732
17357509		0.347702017	0.04713111
17402932	Gm9799	-0.53265227	0.047141622
17285753	Vmn1r195	-0.377990724	0.047141622
17209659		-1.081573166	0.047141622
17328093	Dexi	0.406112433	0.047171858
17230153	Fh1	0.411485426	0.047171858
17200703		-0.794349524	0.047194989
17243286	Hmg20b	-0.335795155	0.047207292
17398970	Mef2d	-0.346663506	0.047224795
17340356	Ston1	-0.554414508	0.047235369
17544878	Morc4	0.628116445	0.047237176
17498086	lfitm10	-0.465063936	0.047260234
17313075	Tab1	0.552512985	0.047263656
17210317		-0.796434822	0.047267969
17214841	Agfg1	0.337999908	0.0472784
17464718	Asns	0.443569273	0.0472784
17299329	Lgals3	-0.520982468	0.0472784
17359488	Ubsd1	-0.565298098	0.0472784
17421491		0.847541596	0.0472784
17324675		-0.711533163	0.0472784
17221260		0.47718444	0.0472784
17417858	Mir1957	0.986743124	0.047283936
17215291	3110079O15Rik	-0.706715583	0.047300195
17271244	Slc16a6	-0.54428918	0.047379214
17523574	Lars2	0.33066669	0.047382564
17430997	Wdtd1	0.447570909	0.047395264
17546707	Gm20824	-0.737178186	0.047409223
17547146	Gm20824	-0.737178186	0.047409223
17245370	4930564G21Rik	-0.478208855	0.047436296
17482699	Scnn1b	-0.433305562	0.047436296
17492173	Gm4971	-0.670441313	0.047437826
17357555		-0.499099685	0.047437826
17261531	1700008A04Rik	-0.680452411	0.047450477
17373550	Trp53i11	0.77566	0.047450477
17281459	Mdga2	0.658137738	0.047450531
17429521	Zfp69	0.767081575	0.047450531
17200183		-0.85052779	0.047450531
17540178	Dynlt3	0.459597599	0.047479423
17334356	Nthl1	0.46169816	0.047481205
17319588	Tnfrsf13c	-0.382161276	0.047483361
17204095		1.104963446	0.047483361
17248084		0.478193336	0.047486681

17461414	Bhlhe40	0.341661055	0.0474988
17214184	Gm216	-0.455216933	0.047553694
17433161		-0.50673542	0.047553694
17206341		-0.682756548	0.047553694
17479200	1500012K07Rik	-0.374910769	0.047566648
17266619	9130204K15Rik	-0.417610847	0.047566648
17267186	9530048J24Rik	-0.677174119	0.047566648
17475127	Cd79a	-0.501894001	0.047566648
17353320	Proc	-0.555201697	0.047566648
17450727	Tmed5	0.359529339	0.047566648
17200855		-1.039957164	0.047566648
17204471		-1.207071738	0.047566648
17549456	Neat1	0.630598171	0.047584353
17268107	Sgca	-0.407255665	0.047584353
17366497	Sephs1	0.426465154	0.047662806
17333344	Snora20	0.639933777	0.047669419
17522328	Elp6	0.436487343	0.047687524
17216777		0.462020935	0.047712587
17434966	Speer4f	-0.420912635	0.04771477
17277424	Ttll5	0.480838489	0.04771477
17323071		0.445292898	0.047719655
17237952	F420014N23Rik	-0.551892018	0.047724993
17204769		1.094722903	0.047754969
17483696	Tgfb1i1	-0.46283578	0.047757055
17310801		-0.345128372	0.047757055
17405674		0.340522483	0.047793704
17487457	Bcl3	-0.4316992	0.047833594
17529099	Col12a1	-0.814824575	0.047833594
17437043	Cytl1	-0.340182589	0.047833594
17238295	Gls2	0.685286366	0.047833594
17325723	Zbtb20	-1.197713341	0.047833594
17237343	1700010J16Rik	-0.437042092	0.047851039
17444309	Grid2ip	-0.461882762	0.047851039
17509052	Klkb1	-0.464871888	0.047851039
17426700	Mpdz	-0.540041383	0.047851039
17374848	Nusap1	-0.706202735	0.047851039
17550138	Nusap1	-0.706202735	0.047851039
17469121	Prickle2	-0.462967298	0.047851039
17362383	Slc22a27	-0.440630093	0.047851039
17238359	Apon	-0.440194782	0.047857931
17254547	Bcas3	0.518368655	0.047857931
17302113	Enox1	0.364520047	0.047857931
17323659	Trmt2a	0.635714759	0.047857931

17358836		-0.774440413	0.047857931
17243303	4930404N11Rik	-0.451375073	0.047891687
17457330	Akr1d1	-0.476346587	0.047891687
17248491	Gm12127	-0.480999171	0.047891687
17201007		1.095446445	0.047891687
17523281	Trak1	-0.408380749	0.047893432
17344939	Pgk2	-0.587727837	0.047938155
17458911	Fkbp9	0.355935702	0.047950558
17391623	Cpxm1	-0.812112524	0.047951776
17425296	Olfr272	-0.360068784	0.047957908
17281099	Sptssa	0.484229007	0.047957908
17512121	Cdh8	0.629167511	0.047962567
17243278	Gipc3	-0.534265016	0.047962567
17423314	Gm11831	-0.573104938	0.047965133
17209743		-0.697554292	0.048001065
17367765	Pnpla7	-0.443305095	0.048010683
17335459	Srsf3	0.467861364	0.048010683
17203319		0.866125645	0.048010683
17548104	Hps1	-0.505458084	0.048016389
17486399	Vmn2r49	-0.590996891	0.048016389
17201617		-0.878860266	0.048020429
17202149		1.0768978	0.048026087
17243644	Cry1	0.554922951	0.048033415
17526377	Ttc36	-0.749014138	0.04806367
17206095		-1.468283429	0.048066685
17263724	Aldh3a2	0.384212102	0.048071779
17511130	Ier2	0.491037052	0.048077029
17202289		1.541642212	0.048077029
17254028	5530401A14Rik	-0.540873497	0.04808381
17204753		1.210773984	0.048092412
17215345	Atg16l1	0.437371066	0.048092502
17245709	Os9	0.500222616	0.048092502
17348202	Zeb1	-0.453640436	0.048095123
17237092		-0.484716092	0.048095123
17204635		-0.952956036	0.048107771
17482095	Nucb2	0.379520386	0.048111576
17389795	Ccdc32	0.479012273	0.048132891
17401433	Wdr77	0.459236651	0.048137446
17548096	Sf3b2	-0.396492879	0.048139046
17205787		1.181947241	0.048139046
17341179	Dll1	0.404350694	0.048155022
17339215	Gm20742	-0.568124903	0.048157885
17268523	Gpr179	-0.572954803	0.048174016

17327426		-0.790207813	0.048174016
17489420	Fxyd1	-0.753640825	0.048241355
17274088	Rad51ap2	-0.499945629	0.048246325
17331102	Nit2	0.468654133	0.048251442
17415391	Gm12609	-0.508127699	0.048329103
17515375	Prkcsh	0.403316717	0.048329103
17531050	Rbm6	0.467925523	0.048358406
17333589	Chd1	0.446666636	0.048379425
17379011	Top1	0.466466228	0.048384188
17279054	Rcor1	0.418611898	0.048401536
17256857	4930417O22Rik	-0.494648717	0.048406217
17288194	Zfp369	0.551301783	0.048457553
17326208	Cblb	-0.473949361	0.048469336
17279941	1700022H16Rik	-0.422249015	0.048470414
17433893		0.502950478	0.048470414
17444009	C130050O18Rik	-0.381627058	0.048478366
17470592	Gdf3	-0.434800184	0.048478366
17293469		-0.659995846	0.048513604
17442332	Kntc1	0.404538222	0.048515579
17528983	Fbxo9	0.381665135	0.048529855
17550733		-0.619556826	0.048529855
17325339	2010005H15Rik	0.69516472	0.048535241
17537345	Gm14920	-0.449913924	0.048535241
17269158	Krtap2-4	-0.480924081	0.048540643
17237603	1700025F24Rik	-0.416253967	0.048542696
17321440	Lmbr1l	0.465541221	0.048542696
17313538	Sept3	0.704636756	0.048542696
17208211		0.623391515	0.048542696
17320684		-0.687891616	0.048542696
17547996		-0.578466907	0.048551417
17310882	Cpq	0.686721158	0.048559052
17231604	LOC101056021	-0.748056155	0.048596795
17466075	Jhdm1d	0.491932873	0.048611403
17226953	Mdm4	0.72046978	0.048611403
17349421	n-R5s24	-0.443801155	0.048611403
17385710		-1.194889844	0.048611403
17400805		0.324416213	0.048626206
17543286	Spin4	0.783011617	0.04862865
17491701	A230057D06Rik	0.529531426	0.048642867
17370057	Gm13530	-0.561151708	0.048642867
17508516	Brf2	0.609712595	0.048657004
17299979	Trav6-3	1.057105272	0.048670126
17290935		1.095871958	0.048706605

17463579	Gm17631	0.754291456	0.048713332
17355270	4930546C10Rik	-0.467847591	0.048726795
17212970	Sgol2	0.422386104	0.048731926
17548166	Gatm	-0.441508343	0.048752136
17533253	Otc	-0.454971038	0.048776954
17210065		-0.990809484	0.048855222
17310078	Nup155	0.547770695	0.048959218
17231495	Oprm1	-0.379087815	0.048964864
17372197	Osbpl6	0.963593255	0.048979111
17431836	Gm13030	-0.581537474	0.04901187
17282963		0.486267932	0.04901187
17542732	Gab3	-0.429757804	0.049036061
17418059	Col9a2	-0.443863811	0.049057249
17373417	Ambra1	-0.391081507	0.049073572
17324693		-0.449869101	0.049088274
17510338	Plvap	-0.51311523	0.049091912
17333744	Vmn2r124	-0.493742233	0.049097461
17380096	Gm14273	-0.696186093	0.04916225
17438832	Slc4a4	-0.609769825	0.04916225
17423133		-0.480252658	0.04916225
17342785	D17Wsu92e	0.297543787	0.04922113
17248371	Gm12120	-0.590455534	0.04922113
17222788	Gm3852	-0.496248502	0.04922113
17200869		-0.794320153	0.04922113
17204929		-0.924953311	0.049252701
17332340		-0.836537756	0.049267929
17284358	Ighj2	-0.531289711	0.049279208
17549168		-0.786928646	0.04929852
17506546	4732415M23Rik	-0.489143599	0.049307616
17250468	Gm12620	-0.638339517	0.049307616
17306680	Nrl	-0.726306006	0.049307616
17255572	Hoxb7	-0.409688758	0.049309007
17209705		1.215181885	0.049309185
17549186	LOC640793	-0.574274941	0.049317263
17319401	Snord83b	-1.448005548	0.049318734
17337888		0.402039553	0.049344628
17201709		-0.919224445	0.049358601
17201885		-0.919224445	0.049358601
17370947	Gm13544	-0.434563885	0.049358903
17501652	Atp6v1b2	0.502276143	0.049372383
17295377	LOC101055909	-0.746112824	0.049372383
17200653		0.598176676	0.049373811
17516993	Nxpe4	0.370896151	0.04940377

17204145		0.965038699	0.04940377
17310772	Ctnnd2	0.625475514	0.049407533
17448799		1.275734194	0.04940796
17539346	Rs1	-0.533312474	0.049414019
17286717	Mir5124	0.732623527	0.049427733
17353663	Tmem173	-0.972971345	0.049427733
17250682	Pigl	0.532755261	0.049447783
17551167		-0.400536265	0.049447783
17307493	Spryd7	0.29120462	0.049505634
17232786	Wasf1	-0.559994608	0.049505634
17529043	4930542C12Rik	-0.418644607	0.049524217
17444052	Gm16122	-0.362167807	0.049524217
17300376	Il25	-0.357481308	0.049524217
17446828	Trim54	-0.51284642	0.049524217
17535448	Zfp185	0.708561452	0.049524217
17200719		1.576930953	0.049524217
17421327	Gm13227	-0.607714572	0.049530947
17521570	Cdhr4	-0.452985815	0.04954705
17289584	Cenpk	0.647916007	0.049571013
17419853	Gm12984	-0.513508009	0.049573663
17505114	Zfp90	0.394203183	0.049573663
17489917	Gm6818	-0.696520572	0.049582014
17220919	A130010J15Rik	0.534161126	0.049582433
17548761	Gm10144	-0.964875914	0.04958547
17322997	Ercc4	0.42674511	0.049611117
17492523	Unc45a	0.577828752	0.049611117
17427635	C130073F10Rik	-0.356099767	0.049622794
17462843	Cd163	-0.496013752	0.049622794
17279893	Klhl29	-0.744485683	0.049622794
17458315	Lrrc61	0.689299271	0.049622794
17401985		-0.433138329	0.049622794
17314682		0.690603596	0.049622794
17211566		0.507802219	0.049629991
17201777		-0.686491652	0.049647778
17201953		-0.686491652	0.049647778
17465339		-0.63663196	0.049662632
17427729	C8a	-0.335787503	0.049667372
17307074	Gm16973	0.443485898	0.04968336
17461923	Syn2	0.522207565	0.04968336
17419731	Trim63	-0.63585327	0.04968336
17269143	Krtap1-4	-0.639389586	0.04969893
17241032	Ddit4	0.455114733	0.0496999
17269866	Gm11619	-0.66317251	0.049700511

17519498	Bcl2l10	-0.583837361	0.049726266
17426447	Cdk5rap2	0.519668338	0.04975445
17335352	Clpsl2	-0.657303049	0.04975445
17294547	Nr2f1	0.560329921	0.04975445
17355086	Cplx4	-0.596950613	0.049755071
17208395		-1.005602653	0.049755071
17216870	Ubxn4	0.3446614	0.049779653
17204987		1.170175556	0.049779653
17206483		1.925969198	0.049779653
17266287		-0.594623433	0.049802471
17243219	Nmrk2	-0.53836809	0.049805629
17254019	4930527B05Rik	-0.390110128	0.04981939
17547351	Gm21530	-0.348633431	0.04981939
17547378	Gm21530	-0.348633431	0.04981939
17516649	Treh	-0.351579312	0.04981939
17203543		-1.638156622	0.04981939
17444137	Amz1	-0.357474629	0.049823428
17247882	Gm12069	-0.631954596	0.049823428
17432535	Pramel5	-0.501729646	0.049823428
17437425	Anapc4	0.329275714	0.049835538
17247494	Gm19396	-0.456817214	0.049835538
17256279	LOC101056001	-0.432325161	0.049835538
17400638	Pex11b	0.366694833	0.049835538
17297889	Dennd6a	0.365269762	0.049837576
17243520	1700025N21Rik	-0.420525177	0.049877354
17409142	Gstm2	-0.50261221	0.049877354
17315200	Krt7	0.352680299	0.049877354
17356356	Rin1	-0.499753065	0.049877354
17286870	Sirt5	0.59566724	0.04987806
17435737	Gareml	-0.511412818	0.049892801
17249034		-0.863886189	0.049892801
17347663	C430042M11Rik	0.557846118	0.049896076
17278251		-0.434386427	0.049898859
17501075	Gm10083	-0.562489691	0.049929157
17230225	Hmga2-ps1	-0.425630743	0.049929157
17405154	Maml3	0.431881638	0.049953747
17350671	Gm5507	-0.536138316	0.049967649
17478598	Gm21571	-1.161151076	0.049981779
17245692	March9	-0.360178126	0.049981779
17496627	Sept1	-0.441314353	0.049981779
17226874	Tmcc2	-0.363195427	0.049981779
17394211	Wfdc8	-0.538930648	0.049981779
17548616	Gm6415	0.362683375	0.049991586
