

Gene	avg_log2F	p-value	adjusted p-value
Ctla2a	4.042716	7.83E-197	7.83E-197
Pim3	2.903083	2.36E-114	2.36E-114
Lrg1	8.211193	4.16E-104	4.16E-104
Tmsb10	2.372064	6.00E-90	6.00E-90
Cd200	1.85775	1.02E-75	1.02E-75
Ch25h	4.191617	1.31E-69	1.31E-69
Igfbp7	1.320814	4.58E-55	4.58E-55
Tshz2	2.050264	3.70E-59	3.70E-59
Cebpd	2.233083	1.30E-57	1.30E-57
Galnt15	2.751358	1.15E-52	1.15E-52
Fos	2.081497	6.88E-48	6.88E-48
Ccn1	2.20859	5.47E-48	5.47E-48
Fth1	1.215153	1.34E-47	1.34E-47
Cpe	1.848506	1.17E-45	1.17E-45
Slc38a5	5.391427	1.52E-45	1.52E-45
Tmem252	1.611375	1.30E-43	1.30E-43
Ier3	1.93784	2.34E-44	2.34E-44
Fnbp1l	1.559891	4.46E-42	4.46E-42
Scgb3a1	4.399687	3.38E-42	3.38E-42
Lcn2	5.324215	3.97E-40	3.97E-40
Hmgcs2	1.846254	7.54E-40	7.54E-40
Egr1	2.203278	6.97E-40	6.97E-40
Tmem176b	2.368478	3.97E-40	3.97E-40
Vwf	1.778635	2.12E-39	2.12E-39
Rps16	0.976511	1.34E-35	1.34E-35
Mgp	1.567513	6.42E-36	6.42E-36
Paqr5	1.416567	1.70E-35	1.70E-35
Ifitm1	3.594958	6.63E-37	6.63E-37
Nid1	2.302207	1.14E-36	1.14E-36
Rps11	0.975422	9.13E-34	9.13E-34
Slc3a2	1.16886	2.89E-34	2.89E-34
Slc7a5	1.447072	5.63E-35	5.63E-35
Ccdc141	1.605416	6.65E-35	6.65E-35
Rpl18a	0.905583	1.77E-33	1.77E-33
Zfp36l2	1.635154	7.13E-34	7.13E-34
Serpib6b	3.019039	2.64E-34	2.64E-34
Rpl39	0.937469	1.69E-31	1.69E-31
Junb	1.513266	1.26E-31	1.26E-31
Ucp2	1.331202	4.69E-32	4.69E-32
Rpl23	0.865059	6.06E-31	6.06E-31
Ccn2	2.91847	1.16E-32	1.16E-32
Dusp2	3.380734	3.02E-32	3.02E-32
Xdh	1.755823	4.29E-31	4.29E-31
Acer2	1.283959	1.29E-29	1.29E-29
Nr2f2	2.461303	1.83E-30	1.83E-30
Tmem176l	1.636448	9.12E-30	9.12E-30

Eef1a1	0.766459	1.81E-28	1.81E-28
Rps28	0.964393	6.94E-29	6.94E-29
Icam1	3.256421	4.72E-29	4.72E-29
Il4ra	2.547856	1.49E-28	1.49E-28
Rpl32	0.829523	1.18E-26	1.18E-26
Socs3	1.802413	1.25E-27	1.25E-27
Rpl17	0.802913	1.21E-26	1.21E-26
Rpl38	0.791326	1.56E-26	1.56E-26
Bmpr2	0.949872	1.83E-26	1.83E-26
Tbc1d4	1.589344	2.45E-27	2.45E-27
Fam110d	1.296316	6.66E-27	6.66E-27
Cfh	1.712266	2.81E-27	2.81E-27
Spry1	1.894183	6.09E-27	6.09E-27
Tgm2	1.417798	2.28E-26	2.28E-26
Kcnj8	3.477799	1.56E-26	1.56E-26
Fkbp5	2.652022	8.63E-26	8.63E-26
Litaf	2.225611	1.36E-25	1.36E-25
Pmaip1	1.881103	1.33E-25	1.33E-25
Rpl12	0.874016	1.52E-24	1.52E-24
Fam117b	1.764912	7.51E-25	7.51E-25
Zbtb16	2.640851	4.80E-25	4.80E-25
Jun	1.150726	3.79E-24	3.79E-24
Atf3	1.991691	6.66E-25	6.66E-25
Fosb	1.587796	1.72E-24	1.72E-24
Qsox1	1.777251	1.78E-24	1.78E-24
Lipa	1.426771	5.21E-24	5.21E-24
Kbtbd11	1.533258	1.20E-23	1.20E-23
Zfp36	1.264773	1.80E-23	1.80E-23
Gjc1	1.423708	1.20E-23	1.20E-23
Tnfrsf9	26.51517	1.83E-23	1.83E-23
Rps8	0.643084	6.71E-23	6.71E-23
Jund	0.982992	4.93E-23	4.93E-23
Nfkbia	0.886834	8.36E-23	8.36E-23
Atp8b1	2.469112	1.20E-23	1.20E-23
Sh2d3c	2.438763	1.20E-23	1.20E-23
Rps19	0.803908	1.39E-22	1.39E-22
Rpl36	0.727457	1.66E-22	1.66E-22
Hspb8	2.754847	2.46E-23	2.46E-23
Rack1	0.810684	3.83E-22	3.83E-22
Rpl13	0.690599	4.28E-22	4.28E-22
Plac9a	1.8961	6.76E-23	6.76E-23
Rpl19	0.754012	7.82E-22	7.82E-22
Fau	0.681412	1.25E-21	1.25E-21
Serpina3n	4.776094	1.94E-22	1.94E-22
Abcc9	2.220598	1.32E-22	1.32E-22
Hif1a	1.290799	5.59E-22	5.59E-22
Rps15	0.697378	2.44E-21	2.44E-21

Angptl4	1.823993	7.82E-22	7.82E-22
Aoc3	3.182786	5.82E-22	5.82E-22
Rpl37	0.674017	5.59E-21	5.59E-21
Rnase4	1.97569	8.45E-22	8.45E-22
Rpl10	0.759458	6.57E-21	6.57E-21
Ackr1	4.967197	3.24E-21	3.24E-21
Casq2	2.25441	2.16E-21	2.16E-21
Slc2a1	0.591817	3.00E-20	3.00E-20
Rps15a	0.746825	2.04E-20	2.04E-20
Lgmn	2.025605	4.21E-21	4.21E-21
Gmpr	3.00062	3.84E-21	3.84E-21
Slc29a1	2.297663	5.27E-21	5.27E-21
Rpl18	0.797192	3.18E-20	3.18E-20
Rpl28	0.656569	3.12E-20	3.12E-20
Rps24	0.648325	7.34E-20	7.34E-20
Ahnak	0.836847	7.35E-20	7.35E-20
H3f3b	0.653646	1.62E-19	1.62E-19
Vtn	1.420335	2.43E-20	2.43E-20
Gpr146	1.22776	8.25E-20	8.25E-20
Rps20	0.721251	1.95E-19	1.95E-19
Gatm	1.664338	7.07E-20	7.07E-20
Mgat4a	3.065414	7.56E-20	7.56E-20
Rps5	0.679811	4.17E-19	4.17E-19
Rps6	0.852051	3.15E-19	3.15E-19
Pdgfrb	2.093975	1.45E-19	1.45E-19
Il1r1	2.416408	1.53E-19	1.53E-19
Il6ra	3.198746	3.32E-19	3.32E-19
Rps4x	0.662038	2.45E-18	2.45E-18
Ggt5	3.979345	1.23E-18	1.23E-18
Dusp23	2.356236	1.02E-18	1.02E-18
Rpl22	0.741852	4.71E-18	4.71E-18
Ptgfrn	2.227305	9.24E-19	9.24E-19
Adm	2.992493	1.32E-18	1.32E-18
Tpt1	0.521839	7.61E-18	7.61E-18
Adgrl3	2.227345	1.62E-18	1.62E-18
Rplp0	0.897089	5.21E-18	5.21E-18
Cd302	2.973596	2.13E-18	2.13E-18
Mcf2l	1.13287	4.65E-18	4.65E-18
Cdc42ep4	1.718211	3.13E-18	3.13E-18
Abca1	1.974106	2.50E-18	2.50E-18
Rpl3	0.741678	8.15E-18	8.15E-18
Xbp1	1.359137	5.51E-18	5.51E-18
Rps7	0.768162	1.08E-17	1.08E-17
P2ry14	2.919795	3.52E-18	3.52E-18
Ctdspl	3.032107	4.77E-18	4.77E-18
Rpl14	0.784124	2.04E-17	2.04E-17
Rpl35a	0.611704	2.18E-17	2.18E-17

Rps14	0.606633	3.38E-17	3.38E-17
Adap2	3.10233	6.29E-18	6.29E-18
Ace2	3.41784	6.44E-18	6.44E-18
Id1	0.758899	2.56E-17	2.56E-17
Cd59a	0.970035	2.55E-17	2.55E-17
Cygb	2.696005	1.05E-17	1.05E-17
Tacc1	1.011893	4.57E-17	4.57E-17
Plxdc1	5.566349	4.11E-17	4.11E-17
18100730I	3.254969	2.99E-17	2.99E-17
Myo1b	1.284136	5.87E-17	5.87E-17
Rpl37a	0.583735	1.45E-16	1.45E-16
Art3	2.876475	4.01E-17	4.01E-17
Rplp2	0.673229	1.71E-16	1.71E-16
Gucy1b1	2.210762	4.80E-17	4.80E-17
Rpl7	0.724417	1.79E-16	1.79E-16
Serpina3g	4.307424	8.69E-17	8.69E-17
Rpl36a	0.760251	1.84E-16	1.84E-16
Rps26	0.766001	2.24E-16	2.24E-16
Rpl9	0.594031	4.32E-16	4.32E-16
Rpl41	0.501123	3.91E-16	3.91E-16
Rpl34	0.670682	5.56E-16	5.56E-16
Plxdc2	2.598972	1.71E-16	1.71E-16
Rpl21	0.654445	5.96E-16	5.96E-16
Lipe	1.679566	3.05E-16	3.05E-16
Rpl29	0.732047	7.69E-16	7.69E-16
2410006H	1.381894	5.30E-16	5.30E-16
Cd63	1.782364	4.47E-16	4.47E-16
Txnip	0.86639	9.48E-16	9.48E-16
Lpl	3.691624	4.86E-16	4.86E-16
Ptgs2	4.175006	6.52E-16	6.52E-16
Rpl10a	0.804967	1.34E-15	1.34E-15
Mfge8	1.108274	8.88E-16	8.88E-16
Ctla2b	3.588255	7.62E-16	7.62E-16
Lrrc4	25.74394	1.23E-15	1.23E-15
Sod3	3.648006	8.02E-16	8.02E-16
Slc12a2	1.73351	9.45E-16	9.45E-16
Eef1b2	0.796727	2.42E-15	2.42E-15
Mal	0.837157	2.75E-15	2.75E-15
Bvht	1.04172	2.75E-15	2.75E-15
Ecscr	0.962855	3.84E-15	3.84E-15
Bgn	2.094101	1.90E-15	1.90E-15
Rps2	0.810609	4.28E-15	4.28E-15
Rps27	0.516535	5.70E-15	5.70E-15
Rps12	0.567283	7.16E-15	7.16E-15
Rps18	0.6732	7.88E-15	7.88E-15
Rps23	0.573701	9.72E-15	9.72E-15
Cadm3	5.394072	5.73E-15	5.73E-15

Snrk	0.855422	1.61E-14	1.61E-14
Inpp4b	2.217632	7.91E-15	7.91E-15
Net1	1.440366	1.27E-14	1.27E-14
Ier2	0.936123	2.48E-14	2.48E-14
Gimap6	0.993143	2.15E-14	2.15E-14
Map3k6	1.698593	1.54E-14	1.54E-14
Ifitm2	0.748018	3.13E-14	3.13E-14
Map3k8	2.307601	1.59E-14	1.59E-14
Sbno2	1.376323	2.05E-14	2.05E-14
Cspg4	2.7003	1.69E-14	1.69E-14
Slco2b1	1.229456	3.22E-14	3.22E-14
Plin2	1.27961	3.57E-14	3.57E-14
S100a1	1.132345	3.95E-14	3.95E-14
Rpl6	0.621926	7.56E-14	7.56E-14
Emilin1	3.368314	5.25E-14	5.25E-14
Igf1r	0.780148	1.22E-13	1.22E-13
Csf2rb	25.8122	9.41E-14	9.41E-14
Rps27a	0.563507	1.76E-13	1.76E-13
Rps3	0.585329	1.63E-13	1.63E-13
Rgs16	2.701692	8.09E-14	8.09E-14
Pglyrp1	0.883946	2.00E-13	2.00E-13
S1pr3	2.680069	1.18E-13	1.18E-13
Rpl26	0.506739	2.85E-13	2.85E-13
Tiam1	1.505907	1.71E-13	1.71E-13
Rpl30	0.599267	3.23E-13	3.23E-13
Rps9	0.597769	3.31E-13	3.31E-13
Rpl8	0.547326	3.68E-13	3.68E-13
Chst15	2.377777	1.73E-13	1.73E-13
Gnb4	1.3454	2.48E-13	2.48E-13
Nsa2	1.106334	2.93E-13	2.93E-13
Rpl4	0.672478	3.78E-13	3.78E-13
Rpl27	0.717171	3.95E-13	3.95E-13
Klf2	0.620763	6.06E-13	6.06E-13
Fas	0.943188	4.95E-13	4.95E-13
Cox4i2	1.725641	3.17E-13	3.17E-13
Apcdd1	1.067238	5.06E-13	5.06E-13
Rps29	0.458333	1.26E-12	1.26E-12
Rpsa	0.698732	1.21E-12	1.21E-12
Rps13	0.602953	1.56E-12	1.56E-12
Vwa1	0.753982	2.01E-12	2.01E-12
Rpl35	0.596885	2.00E-12	2.00E-12
Sult1a1	1.32443	1.45E-12	1.45E-12
Trf	3.999233	1.16E-12	1.16E-12
Itm2c	0.975261	1.97E-12	1.97E-12
Nectin2	1.887601	1.47E-12	1.47E-12
Ifi30	3.788278	1.62E-12	1.62E-12
Rpl27a	0.613454	3.73E-12	3.73E-12

Gm10076	0.753771	3.58E-12	3.58E-12
Sgk1	0.904353	3.39E-12	3.39E-12
Gpx1	0.805156	4.42E-12	4.42E-12
Slc16a1	0.914533	6.46E-12	6.46E-12
Ccdc85a	1.467112	4.29E-12	4.29E-12
Itga4	3.389657	4.65E-12	4.65E-12
Dbp	1.401312	7.51E-12	7.51E-12
Gm14964	3.49979	6.45E-12	6.45E-12
Mt1	1.662558	7.61E-12	7.61E-12
Ly6a	0.49187	1.45E-11	1.45E-11
Notch3	1.601806	8.58E-12	8.58E-12
Spry4	2.241923	8.17E-12	8.17E-12
Fkbp1a	0.770772	1.36E-11	1.36E-11
Il34	3.03438	9.34E-12	9.34E-12
Kirrel	3.954991	1.33E-11	1.33E-11
Gadd45g	1.185589	1.66E-11	1.66E-11
Med13l	1.068495	1.89E-11	1.89E-11
Slc39a1	1.322257	1.92E-11	1.92E-11
Tcim	1.492427	1.64E-11	1.64E-11
Irf2bp2	0.833506	2.71E-11	2.71E-11
Nek6	3.408436	1.83E-11	1.83E-11
Ier5	0.840051	2.70E-11	2.70E-11
Serpine2	2.204993	2.23E-11	2.23E-11
Itga7	3.222109	2.34E-11	2.34E-11
Uba52	0.731327	3.87E-11	3.87E-11
Ctsw	3.135444	2.71E-11	2.71E-11
Higd1b	1.534976	3.08E-11	3.08E-11
Rgs4	2.037801	3.98E-11	3.98E-11
Hspg2	1.081511	7.27E-11	7.27E-11
Adgrg6	25.2652	7.89E-11	7.89E-11
Plxnb2	2.305432	7.49E-11	7.49E-11
Mmp14	5.857308	8.00E-11	8.00E-11
Pard3	1.254428	8.94E-11	8.94E-11
Flot1	1.423889	9.36E-11	9.36E-11
Tbx2	2.373268	8.17E-11	8.17E-11
Rps21	0.465028	1.42E-10	1.42E-10
Adamts9	1.955886	8.93E-11	8.93E-11
Dcun1d3	1.208559	1.22E-10	1.22E-10
Shroom2	1.479025	1.33E-10	1.33E-10
Rpsa-ps10	0.800284	1.79E-10	1.79E-10
Rps3a1	0.526087	2.54E-10	2.54E-10
Pxn	1.103195	2.02E-10	2.02E-10
Ednra	2.66387	1.47E-10	1.47E-10
Foxs1	3.240414	1.75E-10	1.75E-10
Zfas1	1.428255	2.23E-10	2.23E-10
Adora2a	3.071569	1.91E-10	1.91E-10
Gprc5c	2.923175	1.91E-10	1.91E-10

Lrrc8c	0.783496	2.71E-10	2.71E-10
Gm49708	3.678546	2.25E-10	2.25E-10
Stat3	0.894923	3.12E-10	3.12E-10
St3gal1	1.380825	2.73E-10	2.73E-10
Bcl2l1	0.812937	3.29E-10	3.29E-10
Hmgcl	1.892717	2.68E-10	2.68E-10
Cpne8	1.104333	3.81E-10	3.81E-10
Cnot6	0.871235	4.23E-10	4.23E-10
Phlda1	2.736731	3.47E-10	3.47E-10
Sdk2	3.872021	4.36E-10	4.36E-10
Arhgef17	1.756351	4.48E-10	4.48E-10
Enpep	3.955533	4.89E-10	4.89E-10
Tfpi	2.057935	4.48E-10	4.48E-10
Sema6a	1.093001	5.34E-10	5.34E-10
Tnfaip8l1	1.985969	4.98E-10	4.98E-10
Ecm1	0.880219	7.10E-10	7.10E-10
Lama2	2.575081	5.87E-10	5.87E-10
Gng2	3.43212	6.21E-10	6.21E-10
Limd1	1.338873	6.98E-10	6.98E-10
Gm39822	1.951056	6.46E-10	6.46E-10
Gpx8	2.631847	7.52E-10	7.52E-10
Cacna1e	25.46522	9.28E-10	9.28E-10
Acot1	4.633123	8.71E-10	8.71E-10
Pcdh18	2.743652	8.03E-10	8.03E-10
Midn	0.972913	1.08E-09	1.08E-09
Olfr1372-p	1.044062	1.04E-09	1.04E-09
Ybx1	0.521809	1.40E-09	1.40E-09
Hopx	3.543566	9.17E-10	9.17E-10
Ciart	3.096045	9.35E-10	9.35E-10
Rpl11	0.469394	1.42E-09	1.42E-09
Steap4	4.86658	1.09E-09	1.09E-09
C1s1	2.812589	1.01E-09	1.01E-09
Serping1	2.623106	1.07E-09	1.07E-09
Snhg8	0.968493	1.33E-09	1.33E-09
Emp1	1.049957	1.31E-09	1.31E-09
Mrpl30	1.056217	1.42E-09	1.42E-09
Sparc	0.513232	2.12E-09	2.12E-09
Rhoj	0.833024	1.61E-09	1.61E-09
Ccdc85b	0.664978	1.81E-09	1.81E-09
Steap3	1.576151	1.48E-09	1.48E-09
Rps25	0.51717	2.33E-09	2.33E-09
Gadd45b	1.313744	1.98E-09	1.98E-09
Clip1	0.77367	2.19E-09	2.19E-09
Sh3bp5	1.128995	2.10E-09	2.10E-09
Slco1a4	0.532293	3.73E-09	3.73E-09
Clca3a1	3.555088	3.46E-09	3.46E-09
Ubc	0.530081	4.96E-09	4.96E-09

Spns2	1.626962	3.46E-09	3.46E-09
Naca	0.535881	4.95E-09	4.95E-09
Rasl11a	2.330871	3.53E-09	3.53E-09
Lrp1	1.651757	3.90E-09	3.90E-09
Pabpc1	0.738733	5.08E-09	5.08E-09
Smad1	0.92338	5.05E-09	5.05E-09
Meox1	1.806062	4.43E-09	4.43E-09
Rpl23a	0.591093	6.41E-09	6.41E-09
Sdc2	1.632403	4.92E-09	4.92E-09
Tnfrsf1a	1.007823	6.30E-09	6.30E-09
Unc45b	1.28102	6.09E-09	6.09E-09
2810025M	0.962084	7.16E-09	7.16E-09
G0s2	3.566105	6.01E-09	6.01E-09
Pdlim1	2.2854	6.40E-09	6.40E-09
Gngt2	1.121903	7.74E-09	7.74E-09
Rpl7a	0.567948	9.20E-09	9.20E-09
Peli1	0.905582	8.77E-09	8.77E-09
Fry	0.669084	9.39E-09	9.39E-09
Trarg1	3.896912	8.38E-09	8.38E-09
Il17ra	2.239098	8.53E-09	8.53E-09
Arid5b	0.707063	1.25E-08	1.25E-08
Cd248	2.067143	1.01E-08	1.01E-08
Serpib9	1.122817	1.11E-08	1.11E-08
Zic1	2.51625	1.03E-08	1.03E-08
Adcyap1r1	24.47999	1.22E-08	1.22E-08
Gpr160	1.335085	1.17E-08	1.17E-08
Hilpda	1.604939	1.19E-08	1.19E-08
Paqr7	1.476279	1.25E-08	1.25E-08
Lcp1	1.595598	1.31E-08	1.31E-08
Hlf	1.483815	1.38E-08	1.38E-08
Prnp	0.648	1.70E-08	1.70E-08
2200002Di	1.485436	1.50E-08	1.50E-08
Gucy1a1	1.754858	1.48E-08	1.48E-08
Pfdn5	0.504394	1.98E-08	1.98E-08
Gnai2	0.44778	2.18E-08	2.18E-08
Kcne4	24.42275	2.00E-08	2.00E-08
Bcr	1.087605	1.94E-08	1.94E-08
Pde4b	1.458463	1.93E-08	1.93E-08
Mbnl2	0.692323	2.35E-08	2.35E-08
Angpt2	3.243546	1.96E-08	1.96E-08
Adamts4	24.09841	2.36E-08	2.36E-08
Cyp2d22	0.895556	2.47E-08	2.47E-08
Nr1d1	0.963532	2.47E-08	2.47E-08
Lama4	1.130679	2.47E-08	2.47E-08
Atp1b3	0.71852	3.00E-08	3.00E-08
Adgrg1	0.740455	3.04E-08	3.04E-08
Uqcrh	0.546777	3.70E-08	3.70E-08

Capg	0.856869	3.48E-08	3.48E-08
Kcna5	2.071634	3.01E-08	3.01E-08
Pla1a	2.764777	3.39E-08	3.39E-08
Cox7a2l	0.591305	4.23E-08	4.23E-08
Agl	1.693745	3.73E-08	3.73E-08
Gas5	0.644448	4.63E-08	4.63E-08
Wnt5a	2.55167	3.74E-08	3.74E-08
Tgfb1	4.049502	4.02E-08	4.02E-08
Cd14	3.88497	4.08E-08	4.08E-08
Ndufc2	0.675048	4.71E-08	4.71E-08
Osbpl3	3.274736	3.92E-08	3.92E-08
Septin4	0.85112	4.73E-08	4.73E-08
Rps10	0.625334	5.75E-08	5.75E-08
Itga1	0.604692	5.83E-08	5.83E-08
Bst1	5.073722	5.24E-08	5.24E-08
Rps17	0.471828	6.69E-08	6.69E-08
Efh2	1.198958	6.11E-08	6.11E-08
Rhob	0.56334	7.68E-08	7.68E-08
Prdx5	0.945322	7.45E-08	7.45E-08
Lamb1	2.948284	6.76E-08	6.76E-08
Gm30571	1.936173	7.13E-08	7.13E-08
Nbl1	1.438097	8.30E-08	8.30E-08
Rpl24	0.64469	9.75E-08	9.75E-08
Hspb2	4.069844	8.48E-08	8.48E-08
Rarres2	1.563121	8.73E-08	8.73E-08
Myh9	0.567459	1.07E-07	1.07E-07
Dab2	0.904686	1.02E-07	1.02E-07
Cirbp	0.754485	1.07E-07	1.07E-07
C1qtnf2	24.11069	1.03E-07	1.03E-07
Abat	2.930188	9.88E-08	9.88E-08
Prr5	5.537461	1.09E-07	1.09E-07
Sema6b	1.81944	1.12E-07	1.12E-07
Arhgap42	1.696363	1.16E-07	1.16E-07
Ndufa6	0.655995	1.41E-07	1.41E-07
Fscn1	24.61949	1.36E-07	1.36E-07
Cebpb	1.24092	1.29E-07	1.29E-07
Fam43a	1.345681	1.32E-07	1.32E-07
Sema7a	0.64215	1.54E-07	1.54E-07
Pde4c	4.058904	1.37E-07	1.37E-07
Pcolce	2.484375	1.37E-07	1.37E-07
Apod	1.749096	1.37E-07	1.37E-07
Spp1	25.34979	1.65E-07	1.65E-07
Baiap3	3.944492	1.79E-07	1.79E-07
Rin3	1.426324	1.96E-07	1.96E-07
Eef2	0.48919	2.77E-07	2.77E-07
Synpo	1.481317	2.44E-07	2.44E-07
Csnk1a1	0.554786	2.91E-07	2.91E-07

Acacb	1.258998	2.84E-07	2.84E-07
Gpc3	2.371779	2.66E-07	2.66E-07
Aspn	1.840583	2.76E-07	2.76E-07
Tnip1	1.525329	2.84E-07	2.84E-07
Sting1	2.239897	2.81E-07	2.81E-07
Ech1	0.70899	3.73E-07	3.73E-07
Nrp2	1.134644	3.71E-07	3.71E-07
Anpep	3.754441	3.61E-07	3.61E-07
Rpl31	0.49811	4.53E-07	4.53E-07
L3hypdh	2.642982	3.71E-07	3.71E-07
Imp3	0.86075	4.27E-07	4.27E-07
Ang	2.341433	3.80E-07	3.80E-07
Gm8420	1.269366	4.45E-07	4.45E-07
Mrpl52	0.7906	4.87E-07	4.87E-07
Hspa2	1.902306	4.62E-07	4.62E-07
Car4	2.228528	4.81E-07	4.81E-07
Doc2b	2.621818	5.50E-07	5.50E-07
Sdc3	0.736182	7.18E-07	7.18E-07
Nfkbiz	1.218862	7.13E-07	7.13E-07
Maff	1.437309	7.35E-07	7.35E-07
Ctps	1.416951	9.81E-07	9.81E-07
Gm26532	0.94522	1.03E-06	1.03E-06
Plxna2	0.689242	1.15E-06	1.15E-06
Lmf1	2.449537	1.01E-06	1.01E-06
Pitpnc1	0.74899	1.17E-06	1.17E-06
Dusp6	0.901602	1.15E-06	1.15E-06
Nupr1	1.764708	1.08E-06	1.08E-06
Sdcbp	0.643245	1.26E-06	1.26E-06
Serpinb1a	1.380694	1.18E-06	1.18E-06
Klf15	23.83445	1.31E-06	1.31E-06
Carmn	3.072381	1.26E-06	1.26E-06
Slc16a9	1.109398	1.42E-06	1.42E-06
Actn1	0.802339	1.50E-06	1.50E-06
Tceal9	0.656139	1.47E-06	1.47E-06
Id3	0.446284	1.55E-06	1.55E-06
H6pd	2.375692	1.33E-06	1.33E-06
Tsc22d4	1.002058	1.47E-06	1.47E-06
Rell1	1.121246	1.71E-06	1.71E-06
Sertad1	0.94033	1.70E-06	1.70E-06
Serinc3	0.345972	1.98E-06	1.98E-06
Gm13889	1.764586	1.79E-06	1.79E-06
Tspan4	0.854358	2.05E-06	2.05E-06
Gm18068	3.310417	1.90E-06	1.90E-06
Rpl22l1	0.589043	2.17E-06	2.17E-06
C1qtnf6	5.390053	2.02E-06	2.02E-06
Nrgn	1.893143	1.90E-06	1.90E-06
Susd6	0.957799	2.17E-06	2.17E-06

Gm8730	1.838629	2.19E-06	2.19E-06
Ehd3	1.350081	2.29E-06	2.29E-06
Ugcg	1.479086	2.32E-06	2.32E-06
Tgfbr3	1.042472	2.46E-06	2.46E-06
Hipk1	0.734931	2.67E-06	2.67E-06
Gm49839	3.097397	2.61E-06	2.61E-06
Dact1	2.437975	2.64E-06	2.64E-06
Extl2	2.502834	2.74E-06	2.74E-06
Rpl15	0.524062	3.37E-06	3.37E-06
Nr2f1	1.734317	3.07E-06	3.07E-06
Ajuba	1.797227	3.33E-06	3.33E-06
Pawr	1.916113	3.42E-06	3.42E-06
Mustn1	1.580733	3.87E-06	3.87E-06
Susd2	23.9268	4.47E-06	4.47E-06
Fam13a	2.422671	4.38E-06	4.38E-06
Aldh2	0.538225	5.34E-06	5.34E-06
B130024G	4.453082	5.09E-06	5.09E-06
Spred3	2.67657	4.85E-06	4.85E-06
Gm17229	4.899972	5.29E-06	5.29E-06
Nek7	0.666987	5.52E-06	5.52E-06
MIph	2.221526	5.01E-06	5.01E-06
Gng5	0.433264	5.86E-06	5.86E-06
Rps15a-psi	0.860072	5.63E-06	5.63E-06
Fmnl2	1.118591	5.59E-06	5.59E-06
Fth1-ps	3.434205	5.36E-06	5.36E-06
Fam107a	0.72456	5.94E-06	5.94E-06
Smim3	2.419062	5.48E-06	5.48E-06
Ttll7	0.712123	6.05E-06	6.05E-06
Errfi1	1.27237	6.14E-06	6.14E-06
Larp1b	1.474236	6.01E-06	6.01E-06
Gstt1	1.740419	6.08E-06	6.08E-06
Sorbs1	0.797061	6.58E-06	6.58E-06
Lrrc75a	23.86705	6.75E-06	6.75E-06
Qk	0.462155	7.41E-06	7.41E-06
Tpm3-rs7	0.672919	7.27E-06	7.27E-06
Nt5dc2	1.600488	6.66E-06	6.66E-06
Gapdh	0.49664	7.58E-06	7.58E-06
Sod2	0.74942	7.26E-06	7.26E-06
Csrnp1	1.204216	7.43E-06	7.43E-06
Vasn	2.234779	7.05E-06	7.05E-06
Apold1	0.656929	8.36E-06	8.36E-06
Rpl13a	0.63071	8.56E-06	8.56E-06
Eng	0.438075	8.98E-06	8.98E-06
Ndufa4l2	0.996167	8.53E-06	8.53E-06
Btf3	0.436728	9.32E-06	9.32E-06
Scn1b	1.492427	9.28E-06	9.28E-06
Sox12	1.908054	9.17E-06	9.17E-06

Eif3f	0.461905	1.03E-05	1.03E-05
Anxa2	0.552439	1.04E-05	1.04E-05
Ubald2	0.731073	1.01E-05	1.01E-05
Bclaf1	0.606076	1.02E-05	1.02E-05
Tpt1-ps3	1.192579	1.08E-05	1.08E-05
Blvrb	0.821047	1.12E-05	1.12E-05
Carhsp1	1.240169	1.09E-05	1.09E-05
Ogfrl1	1.213395	1.11E-05	1.11E-05
Lrrc8b	1.235179	1.30E-05	1.30E-05
Abcg1	1.571186	1.28E-05	1.28E-05
Ndufa8	0.626541	1.35E-05	1.35E-05
Itga2b	2.387029	1.25E-05	1.25E-05
Emcn	0.557541	1.44E-05	1.44E-05
Sparcl1	0.388223	1.46E-05	1.46E-05
Ppp1r18	1.048599	1.36E-05	1.36E-05
Parp3	2.091662	1.36E-05	1.36E-05
Slc1a1	0.986947	1.55E-05	1.55E-05
Cdkn2d	0.928498	1.60E-05	1.60E-05
Trim37	0.99449	1.58E-05	1.58E-05
Perp	1.613356	1.60E-05	1.60E-05
Fblim1	2.451545	1.74E-05	1.74E-05
Tbc1d15	0.917728	1.87E-05	1.87E-05
Spop	0.560354	1.91E-05	1.91E-05
Rpl14-ps1	0.706119	1.90E-05	1.90E-05
Cdh4	4.3857	1.86E-05	1.86E-05
Yy1	0.716992	2.06E-05	2.06E-05
Pard6g	2.308505	1.98E-05	1.98E-05
Clec14a	0.906982	2.19E-05	2.19E-05
Plekho2	1.549691	2.19E-05	2.19E-05
Psat1	3.128764	2.21E-05	2.21E-05
Septin8	1.020832	2.42E-05	2.42E-05
Tmie	2.576995	2.28E-05	2.28E-05
Ddit4	0.659729	2.52E-05	2.52E-05
Hnrnpul1	0.798169	2.72E-05	2.72E-05
Plxna4	3.062654	2.68E-05	2.68E-05
Itpripl1	1.310697	3.03E-05	3.03E-05
Tgfbr2	0.507098	3.20E-05	3.20E-05
Twist1	23.71192	3.10E-05	3.10E-05
Pvr	1.178886	3.15E-05	3.15E-05
Igf2r	1.209434	3.16E-05	3.16E-05
Polk	0.765543	3.35E-05	3.35E-05
Sesn1	0.815592	3.29E-05	3.29E-05
Lrp5	0.93552	3.31E-05	3.31E-05
Pcdh7	24.48661	3.32E-05	3.32E-05
Bmp4	23.6072	3.34E-05	3.34E-05
Pgm5	1.026261	3.34E-05	3.34E-05
Nfe2l2	0.674829	3.60E-05	3.60E-05

Arhgap26-	1.063972	3.55E-05	3.55E-05
Hif3a	3.527986	3.46E-05	3.46E-05
Jak3	1.85561	3.55E-05	3.55E-05
Rpl5	0.44871	3.97E-05	3.97E-05
Hrct1	0.632528	3.98E-05	3.98E-05
Mir22hg	1.674387	3.80E-05	3.80E-05
Ptpn13	4.227486	3.90E-05	3.90E-05
M6pr	0.817031	4.22E-05	4.22E-05
Ctsl	0.54746	4.32E-05	4.32E-05
Espn	1.699519	4.02E-05	4.02E-05
Cdca7	2.514626	4.00E-05	4.00E-05
Lrrc8d	1.613885	4.03E-05	4.03E-05
C130089K	2.485317	4.03E-05	4.03E-05
Bex3	0.818418	4.39E-05	4.39E-05
Btg1	0.586803	4.57E-05	4.57E-05
Zmiz1	0.578603	4.60E-05	4.60E-05
Rnd1	1.476225	4.33E-05	4.33E-05
Pkp4	0.576594	4.63E-05	4.63E-05
Arl5c	3.432964	4.35E-05	4.35E-05
Eif4ebp1	1.245944	4.62E-05	4.62E-05
Lrrc8a	0.695122	4.82E-05	4.82E-05
Gstt2	0.943713	4.90E-05	4.90E-05
Mmgt2	1.63351	4.79E-05	4.79E-05
Slc19a1	1.582085	4.90E-05	4.90E-05
Rtraf	0.653318	5.22E-05	5.22E-05
Lhx2	1.972283	4.99E-05	4.99E-05
Mr1	1.370596	5.20E-05	5.20E-05
Rplp1	0.256921	5.61E-05	5.61E-05
Tmem159	0.944878	5.52E-05	5.52E-05
BC028528	0.591805	5.82E-05	5.82E-05
Src	1.933601	5.46E-05	5.46E-05
Cln6	1.766037	5.61E-05	5.61E-05
Phf20	0.895808	6.06E-05	6.06E-05
Cchcr1	2.965819	5.74E-05	5.74E-05
Klf4	0.432497	6.32E-05	6.32E-05
B4galt4	0.715692	6.18E-05	6.18E-05
Axl	1.430119	6.22E-05	6.22E-05
Nfib	0.465661	6.68E-05	6.68E-05
Ctsb	0.589628	6.69E-05	6.69E-05
Aldh3b1	2.716361	6.34E-05	6.34E-05
Robo4	0.612444	6.78E-05	6.78E-05
Prdx6	0.722193	6.83E-05	6.83E-05
Tns2	0.627952	6.87E-05	6.87E-05
Spsb2	1.369221	6.60E-05	6.60E-05
Ppp1r3d	23.35543	7.05E-05	7.05E-05
Dbt	2.44906	6.78E-05	6.78E-05
Aars2	3.686301	6.87E-05	6.87E-05

E130311K1	2.456623	6.89E-05	6.89E-05
Slc31a1	0.761241	7.34E-05	7.34E-05
Gm12002	5.06787	7.34E-05	7.34E-05
Hyi	1.506078	7.32E-05	7.32E-05
Tox	23.89356	7.69E-05	7.69E-05
Klf13	0.535704	8.26E-05	8.26E-05
Trappc6a	1.007801	7.88E-05	7.88E-05
Tnfrsf21	1.5995	8.26E-05	8.26E-05
Fxyd1	1.090077	8.62E-05	8.62E-05
Dapl1	1.354315	9.02E-05	9.02E-05
Trpc3	1.9682	8.84E-05	8.84E-05
Pkdcc	3.253497	9.19E-05	9.19E-05
Phc1	1.051087	9.54E-05	9.54E-05
Chst14	1.869113	9.47E-05	9.47E-05
Cep57l1	1.958329	9.59E-05	9.59E-05
Thrsp	1.711777	9.83E-05	9.83E-05
Prrt4	0.928676	0.000104	0.000104
Arap2	0.72436	0.000106	0.000106
Gde1	0.669847	0.000107	0.000107
Gm13861	1.403297	0.000102	0.000102
Nr4a1	0.734163	0.000107	0.000107
Elk3	0.559242	0.000109	0.000109
Tmem38b	1.633115	0.000107	0.000107
Gm15261	23.56991	0.000113	0.000113
Fkbp10	1.750556	0.000112	0.000112
Gpcpd1	0.424556	0.00012	0.00012
Mrps34	0.966661	0.000114	0.000114
Tcf4	0.338474	0.00012	0.00012
Smagp	0.898029	0.000118	0.000118
Vars	1.387414	0.000116	0.000116
Cyyr1	0.435014	0.000124	0.000124
Snhg12	0.969392	0.000119	0.000119
Ildr2	1.092596	0.000119	0.000119
St6galnac2	0.638101	0.000124	0.000124
Mrc2	2.572064	0.000118	0.000118
Tbx18	3.166917	0.000121	0.000121
Lypd6	23.51985	0.000126	0.000126
Lst1	23.63745	0.000134	0.000134
Coq10b	0.795965	0.000134	0.000134
Bcar3	1.156796	0.000134	0.000134
C530043K1	1.305508	0.000135	0.000135
Adgrl4	0.363724	0.000149	0.000149
Sbf2	0.712875	0.000149	0.000149
Gm43387	23.60013	0.000146	0.000146
Cox8a	0.379099	0.000154	0.000154
9330151L1	23.59897	0.000157	0.000157
Rassf4	0.922337	0.000158	0.000158

Fus	0.463575	0.000169	0.000169
Cmb1	4.289754	0.000162	0.000162
Stt3b	0.717438	0.000168	0.000168
Btg2	0.48024	0.000168	0.000168
Fzd4	0.545881	0.000171	0.000171
Pdgfc	2.801671	0.000167	0.000167
Alas1	0.528256	0.000181	0.000181
Stat5a	4.22415	0.000175	0.000175
Ppp1r13l	3.694768	0.000178	0.000178
Hspa1b	0.798107	0.00019	0.00019
Eno1	0.619431	0.000195	0.000195
Ankrd50	1.11184	0.000193	0.000193
Lcp2	23.26037	0.000195	0.000195
Morrbid	1.48643	0.000193	0.000193
Gm26802	1.776496	0.000193	0.000193
Tcaf2	1.926915	0.000193	0.000193
Rgcc	0.61523	0.000202	0.000202
Chst1	3.75839	0.000195	0.000195
Epb41	0.660043	0.000204	0.000204
Lgals1	1.10533	0.000202	0.000202
Polm	4.096154	0.000206	0.000206
Adam11	23.9577	0.000212	0.000212
Prrx1	3.137805	0.000207	0.000207
Prorp	1.102707	0.000213	0.000213
Bnip3	0.621124	0.000218	0.000218
Mylip	1.039429	0.000216	0.000216
Zfp217	1.554185	0.000213	0.000213
Ncaph	2.896689	0.000212	0.000212
Lamp2	0.615939	0.000228	0.000228
Spata6l	1.201306	0.000219	0.000219
Ppp1r14b	0.985911	0.000228	0.000228
Mxra8	1.260982	0.000228	0.000228
Rcsd1	1.211272	0.00023	0.00023
H1f0	0.667305	0.00024	0.00024
Synm	0.529774	0.000243	0.000243
Ppp1r15a	0.833896	0.000251	0.000251
Hnrnpa0	0.522294	0.000257	0.000257
Clybl	1.894473	0.000246	0.000246
Bag4	1.333025	0.000255	0.000255
Zhx3	0.911982	0.000263	0.000263
Maml3	1.410947	0.000267	0.000267
Nfam1	23.34817	0.000271	0.000271
Ramp2	0.346819	0.000283	0.000283
Mfsd10	1.103587	0.00028	0.00028
Slc16a12	2.767825	0.000273	0.000273
Dock9	0.434637	0.000293	0.000293
Tcf23	1.522148	0.000283	0.000283

Ddx59	3.618569	0.000281	0.000281
Csf1	1.240026	0.000287	0.000287
4933431E2	2.673667	0.000281	0.000281
Dennd5b	0.642512	0.000306	0.000306
Daam2	1.448997	0.000308	0.000308
Gm37465	22.79098	0.000311	0.000311
Tcea3	1.458451	0.000309	0.000309
Vat1	0.542908	0.000328	0.000328
Use1	0.547012	0.000338	0.000338
Rab20	23.43537	0.000339	0.000339
Vmp1	0.905545	0.000342	0.000342
Rapgef6	0.69578	0.000368	0.000368
Ogn	1.597331	0.000357	0.000357
Ptpn9	1.306231	0.000372	0.000372
Atp8a1	0.694802	0.000373	0.000373
Pald1	1.35588	0.000369	0.000369
Plpp6	0.839774	0.000376	0.000376
Pdp1	1.65008	0.000376	0.000376
Fxyd5	0.341859	0.000408	0.000408
2210408F2	1.487603	0.000388	0.000388
Dab1	2.662669	0.000388	0.000388
Pdcd2l	1.662741	0.00039	0.00039
BC055402	2.129575	0.000397	0.000397
Prkch	0.637486	0.000417	0.000417
Cds2	0.612927	0.000421	0.000421
Tspan17	0.827484	0.000417	0.000417
Gm44164	1.762425	0.000412	0.000412
Acaa2	0.643028	0.000436	0.000436
Heyl	2.053125	0.000417	0.000417
Cdkn2aipn	1.11806	0.000437	0.000437
Cdc42ep3	0.615814	0.000461	0.000461
Dlc1	0.464529	0.000468	0.000468
Ddit4l	1.991505	0.00048	0.00048
Ephx3	23.34103	0.000494	0.000494
Tspan9	0.774948	0.000498	0.000498
Lrp4	2.350575	0.000482	0.000482
Nde1	0.765995	0.000502	0.000502
Ppp1r9b	0.72362	0.000503	0.000503
Sp3	0.545954	0.000516	0.000516
Fxyd6	1.270617	0.000509	0.000509
Adcy3	2.759988	0.000499	0.000499
Mt2	1.729294	0.000505	0.000505
Slc39a8	0.832347	0.000538	0.000538
Abrac1	0.809702	0.000542	0.000542
Hivep1	0.701057	0.000554	0.000554
Pomgnt2	4.514136	0.000548	0.000548
Atp5a1	0.430968	0.000571	0.000571

Rps27a-ps:	1.567334	0.000557	0.000557
Itih5	1.404827	0.000567	0.000567
Cxcl12	0.531308	0.000591	0.000591
Appt	0.783571	0.000581	0.000581
Tram2	1.349472	0.000572	0.000572
Tns3	0.952296	0.000588	0.000588
Hspa1a	0.61724	0.000624	0.000624
H3c6	22.93367	0.000621	0.000621
Acot7	2.229149	0.000602	0.000602
Grm3	3.915999	0.000613	0.000613
Ptprk	0.860128	0.000641	0.000641
Birc3	1.259731	0.000644	0.000644
Itpr2	0.792857	0.000653	0.000653
Ppfibp1	0.444693	0.000664	0.000664
Igfbp4	1.046259	0.000667	0.000667
Pnp	0.62061	0.000672	0.000672
Alg6	1.59001	0.000651	0.000651
Nop53	0.513436	0.000684	0.000684
Pice1	1.082323	0.000667	0.000667
Bik	23.11789	0.00069	0.00069
Tmsb4x	0.206078	0.000727	0.000727
Kdsr	0.841748	0.0007	0.0007
Fam210b	1.10341	0.000692	0.000692
Wipf3	2.704217	0.000678	0.000678
Ccdc8	2.275488	0.000684	0.000684
2500002B1	1.362221	0.000701	0.000701
Calcr1	0.752709	0.000721	0.000721
Dcbld2	1.045341	0.000725	0.000725
Gm43430	3.004122	0.000713	0.000713
Dhfr	2.216514	0.000722	0.000722
Rab11a	0.421368	0.000776	0.000776
Abcb8	2.369903	0.000742	0.000742
Atp1a2	0.709282	0.00076	0.00076
Kdelr1	0.600445	0.000781	0.000781
Mettl26	0.905558	0.000782	0.000782
Gimap4	1.084135	0.000781	0.000781
Ociad2	23.11338	0.000805	0.000805
Piezo1	0.757982	0.000813	0.000813
4833422C1	2.878765	0.000806	0.000806
Gng7	2.455699	0.000806	0.000806
Gale	23.14506	0.000829	0.000829
Pfn2	0.943357	0.000829	0.000829
Tmem45a	3.012253	0.000815	0.000815
Egfr	22.90797	0.000845	0.000845
Tent5a	23.551	0.000848	0.000848
Pgap2	1.16621	0.00085	0.00085
Marcksl1	1.85691	0.000845	0.000845

Htatip2	1.668329	0.000848	0.000848
Sil1	1.122264	0.00085	0.00085
Stx3	0.626509	0.000896	0.000896
Krtcap2	0.428696	0.000915	0.000915
Dcbld1	1.829926	0.000887	0.000887
Tbl1xr1	0.852067	0.00092	0.00092
4930581F2	0.878856	0.000923	0.000923
A930033H	1.395939	0.000915	0.000915
Irf2bpl	0.476674	0.000953	0.000953
Arhgef7	0.807644	0.000948	0.000948
Prex2	0.472591	0.000958	0.000958
Fxyd7	1.763812	0.00092	0.00092
C4b	22.99696	0.00095	0.00095
Flt4	0.645816	0.000987	0.000987
Pak3	2.171925	0.000958	0.000958
Ago2	0.755332	0.001004	0.001004
Dtx3	0.768083	0.00101	0.00101
Fam160b1	0.723961	0.001027	0.001027
Rbm3	0.417813	0.001064	0.001064
Gm46404	3.489813	0.001027	0.001027
Bcl3	1.072264	0.001049	0.001049
Per1	0.75	0.001078	0.001078
Bmpr1a	1.134144	0.001061	0.001061
Ldhb	0.814447	0.001089	0.001089
Omd	2.861936	0.001078	0.001078
Slc1a4	23.84592	0.001113	0.001113
Gm31166	3.614013	0.001121	0.001121
Ebf2	2.464875	0.001121	0.001121
Cdk6	1.355583	0.001154	0.001154
Chmp4b	0.532838	0.001178	0.001178
Atp5d	0.43992	0.001194	0.001194
Lmbr1	1.029075	0.001187	0.001187
Zc3hav1l	3.594394	0.001186	0.001186
Rara	0.975821	0.001208	0.001208
Vsig2	1.321557	0.001184	0.001184
Eif3i	0.607941	0.00127	0.00127
Gm37080	2.871765	0.00129	0.00129
Tepp	4.105176	0.00135	0.00135
Mapk9	0.898359	0.001385	0.001385
Mospd1	0.775215	0.001427	0.001427
Rbbp7	0.595298	0.001451	0.001451
Akr1b8	22.51147	0.001445	0.001445
Vcam1	0.795914	0.001462	0.001462
Rnf165	2.508307	0.001448	0.001448
Smarcd3	2.252903	0.001455	0.001455
Plppr2	2.768444	0.001467	0.001467
Ptp4a2	0.388157	0.001536	0.001536

Cdh2	1.050286	0.001525	0.001525
Gabarap	0.380075	0.00157	0.00157
F2r	1.788152	0.001535	0.001535
Cmip	0.658209	0.001595	0.001595
Casp4	1.627265	0.00157	0.00157
Acadsb	0.931173	0.001587	0.001587
Prelp	1.613509	0.001602	0.001602
Sys1	0.618598	0.001623	0.001623
Ptma	0.246921	0.001681	0.001681
Degs1	0.836037	0.001615	0.001615
Zfp467	1.030744	0.001631	0.001631
C430049B	2.526777	0.001598	0.001598
Tbx3os1	1.604866	0.001631	0.001631
Apbb2	0.446756	0.001675	0.001675
Fam104a	0.577534	0.001715	0.001715
Pear1	0.80755	0.001726	0.001726
Pxdc1	0.850554	0.001722	0.001722
Trmt9b	2.761999	0.001742	0.001742
Nuak2	2.061447	0.001779	0.001779
Lpcat3	0.721642	0.001864	0.001864
Gm43336	1.704029	0.001835	0.001835
Pttg1ip	0.438085	0.001896	0.001896
Aldh6a1	1.170026	0.001857	0.001857
C630043F	3.316666	0.001835	0.001835
Lacc1	22.87207	0.001879	0.001879
Hint1	0.34466	0.001954	0.001954
Snhg18	1.087364	0.001942	0.001942
Zfp521	1.195648	0.001988	0.001988
Mt3	1.478125	0.002007	0.002007
Ldha	0.390859	0.002073	0.002073
Luzp2	3.183075	0.002019	0.002019
Bnip3l	0.404466	0.002098	0.002098
Vat1l	1.856937	0.002019	0.002019
Pecr	2.909651	0.002034	0.002034
Slco3a1	1.295123	0.002073	0.002073
Pygl	2.132012	0.002056	0.002056
Ctsa	0.666831	0.002098	0.002098
Dzip1l	2.740874	0.002074	0.002074
Gm12992	22.97789	0.002174	0.002174
Uqcrfs1	0.603929	0.002195	0.002195
Car14	1.47431	0.002161	0.002161
Col5a3	2.278347	0.002156	0.002156
Atoh8	1.116994	0.002223	0.002223
Tead1	0.743749	0.002267	0.002267
C1ra	1.814243	0.002221	0.002221
Trib3	1.741154	0.002224	0.002224
Tcp1	0.587467	0.002301	0.002301

Acadl	0.561879	0.002316	0.002316
Mgat3	2.617575	0.002292	0.002292
Aldoc	0.832396	0.002346	0.002346
Mgmt	2.04953	0.002356	0.002356
Aqp11	0.504429	0.002486	0.002486
Rnd3	1.973936	0.002426	0.002426
Lgals3	23.47756	0.00248	0.00248
Arl2	0.725828	0.002492	0.002492
Kifc3	0.750507	0.002544	0.002544
Nsg1	2.372569	0.002496	0.002496
Cpne3	0.563428	0.002577	0.002577
Alad	0.982916	0.002633	0.002633
Nr5a2	1.964079	0.002599	0.002599
Al429214	22.82405	0.002675	0.002675
Cobl	23.14475	0.002708	0.002708
Mrgbp	1.007235	0.002688	0.002688
Pla2g4a	1.054763	0.002716	0.002716
Lyz2	3.013163	0.00275	0.00275
Bicc1	1.558019	0.002785	0.002785
Rabepk	1.251994	0.002796	0.002796
Casp8	0.730119	0.002808	0.002808
Dbi	0.393218	0.00285	0.00285
Leprot	0.530354	0.002878	0.002878
Etnppl	2.342219	0.002798	0.002798
Klk8	2.272925	0.002801	0.002801
Ift43	0.878763	0.00285	0.00285
Peli2	1.034171	0.00285	0.00285
Rpl15-ps2	3.032722	0.002821	0.002821
Mettl21a	1.852018	0.00285	0.00285
Adssl1	3.221327	0.002861	0.002861
Gmfg	3.615888	0.00288	0.00288
Sorbs3	0.666672	0.002944	0.002944
Ubash3b	22.86399	0.002963	0.002963
Smg8	1.713924	0.002938	0.002938
Atp5mpl	0.468658	0.003025	0.003025
Dynlt1c	22.55723	0.003007	0.003007
Coa8	0.75096	0.003041	0.003041
Ost4	0.450843	0.003083	0.003083
Pold4	0.733733	0.003075	0.003075
Oxa1l	0.849234	0.00306	0.00306
Yipf3	0.747137	0.003059	0.003059
H1f4	0.98845	0.00306	0.00306
Ptbp3	0.422148	0.003145	0.003145
Eci2	0.548597	0.003145	0.003145
Rab11fip1	1.284883	0.003079	0.003079
Ddt	0.701125	0.003178	0.003178
Tagln3	22.93655	0.003167	0.003167

Irx3	0.517232	0.003208	0.003208
Fkbp15	0.926415	0.003189	0.003189
Gfra2	1.815217	0.003174	0.003174
Dlst	0.838913	0.003239	0.003239
Tcirg1	1.230309	0.003239	0.003239
Scarb1	0.553741	0.003356	0.003356
Clic1	0.362501	0.003376	0.003376
Prkg1	1.067944	0.003326	0.003326
Sfn	3.055428	0.00328	0.00328
Rasa3	2.828558	0.003338	0.003338
Fam168a	0.633351	0.0034	0.0034
Dock10	1.941031	0.003338	0.003338
Anp32b	0.459581	0.003489	0.003489
Gpi1	0.431875	0.003528	0.003528
Paqr3	3.654548	0.003447	0.003447
Vstm4	1.40526	0.003536	0.003536
Cd27	23.2148	0.003553	0.003553
Gm5292	1.279547	0.003536	0.003536
Magi1	1.000894	0.003545	0.003545
Mtus1	0.420233	0.003647	0.003647
Slc30a10	1.890392	0.003555	0.003555
Taf7	0.715728	0.003629	0.003629
Mgarp	0.536259	0.003625	0.003625
Zfp526	23.32697	0.003733	0.003733
Eps8	1.047825	0.003758	0.003758
Cox6b2	1.809265	0.003692	0.003692
Chic2	0.598219	0.003824	0.003824
Ambra1	1.310138	0.003825	0.003825
Slc38a11	1.447191	0.003884	0.003884
Pid1	1.065773	0.003901	0.003901
Eef1d	0.436207	0.003958	0.003958
Gnaq	0.482948	0.003961	0.003961
Mphosph9	1.283561	0.003917	0.003917
Macroh2a	2.646419	0.003904	0.003904
Trp53i11	1.620113	0.003931	0.003931
4921515G	23.39259	0.003973	0.003973
Basp1	1.263269	0.003966	0.003966
Foxo1	0.560075	0.004044	0.004044
Pacsin3	1.64892	0.004008	0.004008
Sirpa	1.720878	0.004035	0.004035
Plscr3	0.666884	0.00415	0.00415
Hsd17b10	0.795087	0.004169	0.004169
Fech	1.116681	0.004165	0.004165
Spred1	0.834648	0.004257	0.004257
Tagln2	0.357418	0.004301	0.004301
Zbtb45	1.50957	0.004212	0.004212
Fat1	2.099968	0.004215	0.004215

Agtrap	0.79061	0.004302	0.004302
Mif	0.443854	0.00434	0.00434
1700003F1	23.08327	0.004302	0.004302
Pth1r	1.230956	0.004325	0.004325
Atp13a5	1.746108	0.004286	0.004286
Brk1	0.433642	0.004439	0.004439
Gm45266	3.087854	0.004325	0.004325
Wasf2	0.3474	0.004485	0.004485
Gm42991	22.92025	0.004439	0.004439
Ccdc160	2.992465	0.004394	0.004394
Tnfrsf12a	0.746543	0.004468	0.004468
Thap3	0.673005	0.004545	0.004545
Sik1	0.565076	0.004597	0.004597
Arpc1b	0.341662	0.004684	0.004684
Cdc14a	0.708019	0.004677	0.004677
Spsb1	1.118131	0.004638	0.004638
Tcta	1.037872	0.004684	0.004684
H1f2	0.511575	0.004775	0.004775
Wfs1	1.574981	0.004685	0.004685
Aplp1	1.250542	0.004714	0.004714
Eif3k	0.399472	0.004832	0.004832
Gpx3	2.126075	0.00474	0.00474
Zscan21	1.35191	0.004903	0.004903
Ciao3	1.445276	0.004894	0.004894
9530078K1	22.66694	0.005042	0.005042
Nlrc3	22.97927	0.005071	0.005071
Rasl10a	1.928135	0.005041	0.005041
H2az1	0.354619	0.0052	0.0052
D230049E1	22.73365	0.00514	0.00514
Ccdc68	22.64318	0.00514	0.00514
Rgma	2.058651	0.005151	0.005151
Lgalsl	0.566801	0.005342	0.005342
E230001N1	2.373723	0.005268	0.005268
Map3k14	1.948412	0.005268	0.005268
Rb1	0.703613	0.005368	0.005368
Atp10d	0.635327	0.005415	0.005415
Atp7a	0.79905	0.005417	0.005417
Ldhd	3.820182	0.005368	0.005368
Dapk1	1.302167	0.005368	0.005368
Fbxo6	0.831817	0.005416	0.005416
Rassf1	0.516826	0.005483	0.005483
Synpr	2.125069	0.005441	0.005441
Fam189a2	0.781397	0.005638	0.005638
Raly	0.458923	0.005701	0.005701
Dock5	2.348774	0.005553	0.005553
Asns	2.668444	0.005573	0.005573
Fbxl12	1.104432	0.005621	0.005621

Dclre1a	1.943675	0.005638	0.005638
Eif3e	0.40908	0.006001	0.006001
Aifm2	1.760958	0.005872	0.005872
Arl4d	0.616796	0.006001	0.006001
Utp15	1.288306	0.005968	0.005968
Man2a1	0.83938	0.006128	0.006128
Pmm1	0.777538	0.006113	0.006113
Cep170b	2.105873	0.00606	0.00606
Hpcal1	0.559946	0.006182	0.006182
Grina	0.547933	0.006334	0.006334
Rgp1	1.28975	0.006236	0.006236
Fads3	1.777389	0.006346	0.006346
Cacna1h	2.150674	0.006278	0.006278
Arid3a	1.311099	0.006414	0.006414
Rilpl1	0.717826	0.006463	0.006463
Rpl3-ps1	1.346987	0.006417	0.006417
Arsb	1.291204	0.00655	0.00655
Resf1	0.650116	0.006662	0.006662
Alg8	22.73131	0.006634	0.006634
Zranb1	0.59108	0.006662	0.006662
Pde8b	0.890983	0.006687	0.006687
Srsf5	0.338562	0.006777	0.006777
Tlcd4	22.59309	0.006687	0.006687
Klhl2	0.575666	0.006866	0.006866
Tmem38a	2.138412	0.006755	0.006755
Mrpl1	1.169746	0.006822	0.006822
Kcnmb4	3.104367	0.006792	0.006792
Lym1	0.880436	0.006894	0.006894
Tirap	0.83235	0.006878	0.006878
Mxd4	0.37195	0.007033	0.007033
Nos2	2.996022	0.006866	0.006866
Lhfp	0.925929	0.007051	0.007051
Ube2e1	0.688421	0.007068	0.007068
Rasal2	0.543409	0.007068	0.007068
Col5a1	22.29501	0.007068	0.007068
Gm5148	2.072899	0.006973	0.006973
Abhd3	22.90383	0.007068	0.007068
Arl6ip5	0.405445	0.007226	0.007226
Samd5	1.979026	0.007081	0.007081
Egflam	1.084186	0.007209	0.007209
Sash1	0.439706	0.007267	0.007267
Sema3c	0.455226	0.007267	0.007267
Cerox1	2.962902	0.007119	0.007119
Ctdsp2	0.479015	0.007347	0.007347
Flrt2	1.673287	0.007267	0.007267
Gldc	22.34123	0.007368	0.007368
Agap2	3.5967	0.007368	0.007368

Sharpin	0.828263	0.007476	0.007476
4930515G	3.90722	0.007485	0.007485
Mmd	0.733646	0.007593	0.007593
Cyp1b1	23.13065	0.007585	0.007585
Insr	0.432838	0.00779	0.00779
Dkk3	0.89036	0.007675	0.007675
Gm42443	22.99919	0.007798	0.007798
Mrps18b	1.302365	0.00779	0.00779
Coro7	1.335036	0.007861	0.007861
Armxcx2	0.902142	0.007914	0.007914
Rtn2	1.66395	0.00798	0.00798
Ahdc1	0.984395	0.008122	0.008122
Nelfe	0.93414	0.008072	0.008072
Wdr89	0.989478	0.008153	0.008153
Slc25a30	0.871575	0.008262	0.008262
Stat6	0.831886	0.008225	0.008225
Rictor	0.507614	0.008254	0.008254
Rad50	0.835709	0.008254	0.008254
Pag1	2.794869	0.008165	0.008165
Cbr3	1.124168	0.008254	0.008254
Atp1b2	0.571395	0.008387	0.008387
Zfp1	1.356493	0.008326	0.008326
Cyp27a1	22.38663	0.008393	0.008393
Hk1os	22.56071	0.008557	0.008557
Tmem131l	2.380901	0.008476	0.008476
Gm26935	22.93079	0.008599	0.008599
Dock4	0.501088	0.008714	0.008714
Egln1	0.533122	0.008741	0.008741
Plcl1	1.313253	0.00869	0.00869
Pcnx	0.475559	0.008766	0.008766
Rhobtb3	1.303041	0.008745	0.008745
Tmem158	1.654356	0.008745	0.008745
Gm49759	22.86764	0.008869	0.008869
Fgf11	2.816402	0.00875	0.00875
Eif3h	0.358063	0.009121	0.009121
Plekho1	1.104498	0.009019	0.009019
Zfp46	1.062667	0.009068	0.009068
Rpp40	3.346808	0.009121	0.009121
Fbxo3	0.592617	0.009239	0.009239
Sp3os	0.907875	0.009315	0.009315
Ppil2	0.817193	0.009329	0.009329
6030400A	3.083372	0.009346	0.009346
Cux1	0.581261	0.009544	0.009544
Zfp383	1.779634	0.009397	0.009397
Rap1a	0.416813	0.009636	0.009636
Rem1	1.732246	0.00945	0.00945
Kazn	1.395067	0.009637	0.009637

Hmx1	22.88524	0.009854	0.009854
Gdi2	0.408664	0.009964	0.009964
Drap1	0.42116	0.010054	0.010054
Gm12987	22.0762	0.009964	0.009964
Ercc1	0.81395	0.009964	0.009964
Pigs	1.241515	0.009933	0.009933
Kctd17	0.776303	0.010184	0.010184
Adipor2	0.387836	0.010263	0.010263
Ezh2	1.178279	0.010222	0.010222
Vav3	22.40902	0.010271	0.010271
Nanos1	1.420584	0.010222	0.010222
Pde1a	1.809631	0.010222	0.010222
Abcc1	1.183533	0.010222	0.010222
Itpr12	0.679357	0.010477	0.010477
Tmem189	0.672674	0.010423	0.010423
Zfp319	0.995953	0.010477	0.010477
Usp35	22.71344	0.010491	0.010491
Itm2b	0.191542	0.010723	0.010723
Doc2g	23.11357	0.010616	0.010616
Gng11	0.321043	0.010895	0.010895
Srp72	0.539931	0.010869	0.010869
Etf1d	0.83374	0.010808	0.010808
Sbk1	1.746053	0.010754	0.010754
Pde3b	22.59132	0.010895	0.010895
Pds5b	0.576107	0.010936	0.010936
1700017B	1.807562	0.010874	0.010874
Dusp18	2.299509	0.010916	0.010916
Ppp5c	0.851342	0.011271	0.011271
Grb7	1.864617	0.011338	0.011338
Fiz1	1.110253	0.011403	0.011403
Ppp1r14a	0.961731	0.011541	0.011541
Klf6	0.34005	0.011621	0.011621
Cpm	0.989552	0.011611	0.011611
Cox7c	0.323348	0.01175	0.01175
Prrg3	2.287223	0.011535	0.011535
Gm16201	22.20978	0.011649	0.011649
Elovl6	1.824846	0.01175	0.01175
Itgb2	22.39186	0.01191	0.01191
Bcl6	1.100835	0.011935	0.011935
Vsx2	1.663693	0.011849	0.011849
Agpat5	0.715344	0.012073	0.012073
Ppm1k	1.086006	0.01206	0.01206
Klhl42	1.238253	0.012155	0.012155
Atf7ip	0.513161	0.012336	0.012336
Impdh1	0.451783	0.012455	0.012455
Pfkf	0.536322	0.012479	0.012479
Mapk12	0.744936	0.012522	0.012522

Slc7a2	3.461345	0.012461	0.012461
Atp6v1g1	0.365666	0.012752	0.012752
Lgals4	1.384183	0.012523	0.012523
Zfp341	3.144719	0.012559	0.012559
Enpp2	0.988214	0.012697	0.012697
D730045B	22.62995	0.012755	0.012755
Marchf7	0.490824	0.012869	0.012869
Wipi1	0.641298	0.012849	0.012849
Gm37060	1.124121	0.01287	0.01287
Pdxdc1	0.622751	0.012903	0.012903
Mcam	0.611928	0.013437	0.013437
Tspan15	1.506017	0.013353	0.013353
Gm43672	2.411745	0.013347	0.013347
Rap1b	0.351222	0.013747	0.013747
Ndr1	0.3307	0.013753	0.013753
Aars	0.957249	0.013654	0.013654
Slc22a23	22.53236	0.013758	0.013758
Oaf	2.083288	0.013758	0.013758
Stard5	1.285472	0.013773	0.013773
Nfatc4	1.203162	0.013897	0.013897
Ing1	0.532237	0.014015	0.014015
1110002L0	1.47553	0.013967	0.013967
Rab12	0.426476	0.01419	0.01419
Sfxn1	0.749369	0.01419	0.01419
Ppm1j	2.214546	0.013937	0.013937
Cdr2l	1.176647	0.014164	0.014164
Lysmd2	0.461743	0.014455	0.014455
Slitrk2	22.45411	0.014575	0.014575
Sh3bgrl2	1.070199	0.014641	0.014641
Ube2r2	0.452178	0.014773	0.014773
Chrna1os	22.77713	0.014708	0.014708
Cracr2b	0.438394	0.014773	0.014773
Gm42544	22.604	0.014724	0.014724
Il2rg	0.982735	0.014718	0.014718
Gm45495	3.187988	0.014644	0.014644
Rusc1	0.776059	0.014773	0.014773
Tacc3	22.55419	0.014773	0.014773
Rrad	2.387636	0.014676	0.014676
Rps15a-ps	1.632469	0.014773	0.014773
Gm45534	22.60494	0.014945	0.014945
Ubox5	2.660191	0.014898	0.014898
Rhod	1.159431	0.01511	0.01511
Nr2e1	3.657185	0.015227	0.015227
Ssu72	0.412165	0.015451	0.015451
Fabp5	1.411966	0.015439	0.015439
4933412E1	22.65952	0.015451	0.015451
Ptpru	1.011785	0.015407	0.015407

Sgce	0.955336	0.015492	0.015492
Magi3	0.635658	0.015553	0.015553
Cdkn2c	1.032513	0.015511	0.015511
Impa2	1.21196	0.015553	0.015553
Hecw2	1.529077	0.015555	0.015555
Dnajc1	0.546178	0.015765	0.015765
Dock7	1.57548	0.015555	0.015555
A530041M	2.211164	0.015553	0.015553
Tpst2	0.596644	0.015765	0.015765
Wdr76	1.3109	0.015596	0.015596
Sort1	0.702995	0.015765	0.015765
B4galt1	0.774522	0.015787	0.015787
Adora1	3.727572	0.015721	0.015721
Dmac2	1.087634	0.01584	0.01584
Ndfip1	0.358044	0.016095	0.016095
Zcchc24	0.765196	0.01603	0.01603
Eif4e	0.637645	0.01601	0.01601
Gm45222	1.366085	0.015901	0.015901
Slc6a1	1.871366	0.015905	0.015905
Mad2l2	0.965205	0.016175	0.016175
Agpat4	0.728756	0.016198	0.016198
Lrp10	0.514416	0.016398	0.016398
Knstrn	22.27931	0.01632	0.01632
Gm37677	1.99231	0.016175	0.016175
Preb	0.712619	0.016449	0.016449
Prkcb	1.306387	0.016381	0.016381
Zbtb7a	0.391968	0.016554	0.016554
St7	1.710975	0.016432	0.016432
Pf4	1.753877	0.016376	0.016376
Gstm5	0.702796	0.016562	0.016562
Sergef	1.928735	0.016381	0.016381
Jam3	1.164173	0.016482	0.016482
Pianp	0.927257	0.016562	0.016562
Odc1	0.872384	0.016563	0.016563
Pde6c	2.279819	0.016481	0.016481
Pgf	1.580825	0.016554	0.016554
Rps6-ps4	1.077769	0.016562	0.016562
Slbp	0.760682	0.016652	0.016652
Wbp1l	0.633538	0.016728	0.016728
Fgfr1	0.856773	0.016695	0.016695
Acp5	2.110473	0.016805	0.016805
Jpt1	0.86617	0.017013	0.017013
Rasl12	1.442598	0.017084	0.017084
Ddx3x	0.351804	0.017315	0.017315
Tubb6	1.234606	0.017169	0.017169
Pfn1	0.28843	0.017393	0.017393
Add3	0.447647	0.017443	0.017443

Gm49405	3.307186	0.017274	0.017274
Vdac1	0.436149	0.017486	0.017486
Tubb4a	3.224378	0.0174	0.0174
Lin7a	1.510948	0.017443	0.017443
Cnp	1.280078	0.017544	0.017544
Gm48682	3.888443	0.017534	0.017534
2700046A	1.641165	0.017452	0.017452
Nptn	0.458191	0.017729	0.017729
Cybb	23.51343	0.017684	0.017684
Dmwd	0.71264	0.017732	0.017732
Trim46	22.77209	0.017732	0.017732
Plagl2	1.032374	0.017876	0.017876
Gm21955	2.713068	0.017794	0.017794
Zfp827	2.528724	0.01783	0.01783
Naglu	1.268788	0.017879	0.017879
Gm4876	23.21331	0.018116	0.018116
Gstm1	0.503096	0.018275	0.018275
Arhgef3	0.548817	0.018275	0.018275
Snai1	2.466614	0.01827	0.01827
Ntpcr	1.310092	0.01835	0.01835
Fabp4	1.367878	0.018488	0.018488
Atraid	0.44068	0.018583	0.018583
Ajap1	1.659624	0.018369	0.018369
Etfa	0.644139	0.018537	0.018537
Acvr1b	2.054392	0.018417	0.018417
Ncoa7	0.623688	0.01863	0.01863
4931406C	0.848801	0.018594	0.018594
Cd34	0.260973	0.018879	0.018879
Zfp362	0.873067	0.018801	0.018801
Nf1	0.722273	0.018879	0.018879
Pdzrn3	3.089693	0.018704	0.018704
Tipin	0.745345	0.018944	0.018944
Osmr	0.461461	0.019103	0.019103
Tedc2	1.936943	0.018862	0.018862
Bach2	1.251188	0.019029	0.019029
Prdm9	1.970194	0.019021	0.019021
Snrpg	0.352757	0.019467	0.019467
1810055G	2.20207	0.019167	0.019167
Fastkd1	1.495576	0.019403	0.019403
Fkbp2	0.506533	0.0196	0.0196
Mettl8	2.414839	0.01936	0.01936
Hey2	1.275512	0.01955	0.01955
Gm45413	2.103963	0.019403	0.019403
Rps27rt	0.788245	0.019653	0.019653
Npdc1	0.533356	0.019677	0.019677
Eml2	0.786317	0.019653	0.019653
Gm10644	22.70068	0.019731	0.019731

Ccdc122	2.598006	0.0196	0.0196
Gm42595	2.567096	0.019848	0.019848
Gm33989	0.792581	0.020131	0.020131
Rbbp6	0.389969	0.020315	0.020315
Trim59	21.89151	0.020273	0.020273
Smpd1	0.705286	0.020395	0.020395
Mxi1	0.573071	0.020606	0.020606
Prkar1b	1.765356	0.020484	0.020484
Cped1	1.216995	0.02062	0.02062
Pals1	0.710824	0.021054	0.021054
Rai2	3.061573	0.020923	0.020923
Hdlbp	0.430516	0.021391	0.021391
Rnf4	0.608826	0.021368	0.021368
Rock2	0.330788	0.021449	0.021449
Gal3st3	3.593598	0.02126	0.02126
Nbdy	0.521687	0.021457	0.021457
Usp3	0.689947	0.021457	0.021457
Rlbp1	0.609967	0.021485	0.021485
Pcna	0.581343	0.021618	0.021618
Svil	0.508801	0.021642	0.021642
Pole2	2.223719	0.021485	0.021485
Gpank1	1.004391	0.021698	0.021698
Gnao1	1.299102	0.021642	0.021642
Cotl1	1.041211	0.021905	0.021905
A730020E	23.01808	0.021879	0.021879
Fbxo2	1.084708	0.021812	0.021812
Efemp2	0.749039	0.021922	0.021922
Shisa9	22.56367	0.021895	0.021895
Mxra7	0.419216	0.021982	0.021982
6430573P	2.567393	0.021893	0.021893
Rai14	0.420742	0.022238	0.022238
MLlt11	1.974174	0.021938	0.021938
Nudt19	1.110711	0.022258	0.022258
Ndufb11	0.327225	0.022625	0.022625
Tnfsf10	0.556155	0.022568	0.022568
Slc25a22	1.148673	0.022333	0.022333
Diras2	1.765288	0.02228	0.02228
Tbc1d2b	1.402349	0.022606	0.022606
Asrgl1	0.752959	0.022658	0.022658
Vps28	0.403062	0.023072	0.023072
Serpinb6a	0.366042	0.023144	0.023144
Colec12	1.00852	0.023151	0.023151
Reep1	0.994858	0.023294	0.023294
Mnd1	1.307462	0.023287	0.023287
Ilf2	0.573306	0.023478	0.023478
Pgm2	0.822129	0.023403	0.023403
Rgs12	0.50217	0.023541	0.023541

Aldh1a1	1.58155	0.023337	0.023337
Scarf2	1.40426	0.023641	0.023641
Kctd14	21.40152	0.023784	0.023784
Ndrgr2	0.603199	0.023989	0.023989
Dcp1a	1.205345	0.023864	0.023864
Ddx56	1.119398	0.02403	0.02403
Glrbb	22.77176	0.024154	0.024154
Mtdh	0.35486	0.024333	0.024333
Sra1	0.571944	0.024405	0.024405
Spidr	1.06167	0.024379	0.024379
Eif4b	0.410854	0.024609	0.024609
Dynlt3	0.445117	0.024737	0.024737
Tcf7l1	0.812799	0.024713	0.024713
Tmem245	0.436625	0.02479	0.02479
Ddost	0.543798	0.024857	0.024857
Ninj1	0.559255	0.024806	0.024806
1110065P2	0.717543	0.02479	0.02479
Gm37443	22.53884	0.024806	0.024806
Unc93b1	0.898004	0.024839	0.024839
Adap2os	1.977659	0.024855	0.024855
Tram1	0.475474	0.024985	0.024985
Kcnk6	1.838295	0.02479	0.02479
Kank2	0.569581	0.025242	0.025242
Tspan33	22.21675	0.025265	0.025265
Cdyl2	1.53621	0.025242	0.025242
Zfp36l1	0.261685	0.025603	0.025603
Gm42822	22.29039	0.025432	0.025432
Airn	1.218102	0.025548	0.025548
Car11	22.66133	0.025561	0.025561
Srrm3	1.642202	0.02538	0.02538
Asap3	1.421012	0.025432	0.025432
Syng2	0.554211	0.025701	0.025701
Lims2	0.38795	0.025775	0.025775
Oat	0.625257	0.025677	0.025677
Dnajb1	0.516489	0.025851	0.025851
Samsn1	1.793817	0.025643	0.025643
Mafk	0.654465	0.026045	0.026045
Tspyl5	3.732391	0.026051	0.026051
Galnt17	1.937869	0.025933	0.025933
Gm43581	1.167324	0.026297	0.026297
Gm47963	22.37396	0.026595	0.026595
Etv1	1.142034	0.026741	0.026741
Tada2b	0.900316	0.026816	0.026816
Fbxw4	1.063234	0.026816	0.026816
4930590J0	22.41969	0.02685	0.02685
Suclg2	0.762278	0.026941	0.026941
Syn2	1.940431	0.026985	0.026985

1700019D	22.59373	0.027034	0.027034
Dact3	1.819666	0.027558	0.027558
Dad1	0.322679	0.02783	0.02783
Ptpmt1	0.616581	0.027718	0.027718
Tspan3	0.450807	0.027964	0.027964
Antxr2	2.440983	0.027642	0.027642
Six6	1.579665	0.027642	0.027642
Parp8	1.425762	0.028242	0.028242
Mecp2	0.493313	0.028749	0.028749
Iqsec3	1.879174	0.028363	0.028363
Tbc1d24	0.989478	0.028778	0.028778
Pax6os1	21.99468	0.028961	0.028961
Rreb1	0.649225	0.029195	0.029195
Slc25a23	0.806529	0.029194	0.029194
Anxa1	0.637584	0.029399	0.029399
Hemk1	2.302618	0.029159	0.029159
Abi3	1.124137	0.029426	0.029426
Itgb5	0.807982	0.029657	0.029657
Rab37	22.32101	0.029644	0.029644
Lpp	0.436507	0.02982	0.02982
Emid1	21.96843	0.029683	0.029683
Gchfr	2.141539	0.029615	0.029615
Cnrip1	1.195333	0.029683	0.029683
Mfsd13a	1.680338	0.029657	0.029657
Gnpda1	1.801433	0.029898	0.029898
Plekhg3	1.170034	0.030177	0.030177
Mark3	0.412582	0.030318	0.030318
Smim4	0.844494	0.030321	0.030321
Pkig	0.329112	0.030967	0.030967
Klhl5	0.422791	0.031191	0.031191
Cmpk1	0.466155	0.031139	0.031139
Lix1l	0.659317	0.031139	0.031139
Gm37101	1.634767	0.030943	0.030943
Tra2b	0.376412	0.031391	0.031391
Gm36266	22.43411	0.031195	0.031195
Snca	21.92531	0.031216	0.031216
Ckap4	0.56138	0.031415	0.031415
Mrpl53	21.93471	0.031675	0.031675
Tbx15	2.531073	0.031675	0.031675
Mindy2	0.372173	0.032137	0.032137
1110004F1	0.423039	0.032176	0.032176
A4galt	0.509852	0.032376	0.032376
Tubb5	0.298128	0.03248	0.03248
Ccdc71	0.870858	0.032376	0.032376
Pbx2	0.714752	0.032503	0.032503
Acbd4	0.905066	0.032395	0.032395
4930523C	0.455218	0.032639	0.032639

Zfp184	2.680169	0.032395	0.032395
Kdr	0.327157	0.032841	0.032841
Nbeal2	1.028935	0.032577	0.032577
Mpp7	0.748878	0.032639	0.032639
Prss56	22.41406	0.032843	0.032843
Csrp2	0.349769	0.033027	0.033027
Gm43062	21.93069	0.032963	0.032963
Epb41l4ao	0.76462	0.033166	0.033166
Arhgef6	1.329827	0.033083	0.033083
Ydjc	22.15355	0.033152	0.033152
Xpa	0.783468	0.033392	0.033392
Adprs	0.87583	0.033258	0.033258
Tor1aip2	0.592625	0.033593	0.033593
Sebox	2.733669	0.033391	0.033391
Gng12	0.49329	0.033709	0.033709
Chchd5	0.905599	0.033593	0.033593
Stac2	22.76568	0.033678	0.033678
Spats2	0.832562	0.033768	0.033768
Cd82	0.949432	0.033678	0.033678
Entpd2	21.93497	0.034064	0.034064
Sigmar1	0.973867	0.03401	0.03401
Mtmr7	1.878947	0.033869	0.033869
1110038B1	1.010942	0.034211	0.034211
Birc2	0.628545	0.034251	0.034251
Tep1	1.43198	0.03401	0.03401
Apoc1	22.46576	0.034482	0.034482
Otx2	0.896371	0.034536	0.034536
Tmem120a	1.223795	0.034536	0.034536
Gm12059	22.95503	0.034746	0.034746
Gm20498	22.38095	0.034772	0.034772
Fam110b	2.21767	0.034589	0.034589
Gpld1	3.051805	0.034658	0.034658
Zbtb41	0.788083	0.034855	0.034855
Pim1	0.605069	0.035081	0.035081
Rasd2	2.211294	0.035061	0.035061
Eral1	1.643028	0.03501	0.03501
Tyrobp	2.221849	0.034998	0.034998
Tsc22d2	0.50991	0.035406	0.035406
H2ac20	3.276816	0.035133	0.035133
Ifitm3	0.219302	0.03557	0.03557
Tln1	0.357422	0.035552	0.035552
Tmem254a	0.938488	0.035423	0.035423
Ralb	0.446658	0.035552	0.035552
Prr14	0.63377	0.035552	0.035552
Uri1	0.558893	0.035652	0.035652
Yes1	0.545214	0.035813	0.035813
Gm10503	1.047837	0.035652	0.035652

Pigx	0.779635	0.035944	0.035944
Gyg	0.676944	0.036097	0.036097
Atf4	0.363768	0.036325	0.036325
Nenf	0.342365	0.036395	0.036395
Mrtfb	0.318936	0.036412	0.036412
Gm34455	1.424127	0.036153	0.036153
Znhit3	0.90814	0.036311	0.036311
Zfp583	3.554309	0.036395	0.036395
Spint2	1.230151	0.03652	0.03652
Plekha7	2.003763	0.03636	0.03636
Sptlc2	0.455059	0.036679	0.036679
Gm50094	2.330351	0.036395	0.036395
C1qtnf12	1.220204	0.036659	0.036659
Ncf4	22.43873	0.036679	0.036679
Tada3	0.836702	0.036717	0.036717
Cisd3	0.997109	0.036771	0.036771
Mbd2	0.393845	0.037093	0.037093
Plpp3	0.617462	0.037018	0.037018
Gm22146	2.656573	0.036919	0.036919
Nup98	0.610612	0.037218	0.037218
Ptov1	0.540377	0.037417	0.037417
Dmd	0.536398	0.037417	0.037417
Hsd12	0.680234	0.037417	0.037417
Sord	1.553169	0.037219	0.037219
Rcn2	0.442234	0.037559	0.037559
Arhgap18	0.702219	0.037417	0.037417
Auts2	0.482862	0.037787	0.037787
Pcbp2	0.24292	0.037904	0.037904
Mrps23	0.821529	0.037667	0.037667
Lrrc42	0.972412	0.037752	0.037752
Ttll3	1.85353	0.037578	0.037578
Car8	22.07366	0.037904	0.037904
Rasgef1a	1.301069	0.037904	0.037904
Cyb561	1.073507	0.037959	0.037959
Micos10	0.325526	0.038095	0.038095
Gm10209	21.72634	0.037959	0.037959
Lncpint	0.786056	0.037954	0.037954
Ypel2	0.605811	0.038028	0.038028
Mcts2	1.140219	0.037904	0.037904
Trpc4	1.827138	0.037904	0.037904
Zfp54	22.49055	0.038083	0.038083
Kcnab1	22.55137	0.038095	0.038095
Diaph2	0.709277	0.038325	0.038325
Gm26930	2.003668	0.038028	0.038028
Ranbp9	0.529388	0.038509	0.038509
Ccnl1	0.376014	0.038798	0.038798
Pde7b	1.098515	0.038622	0.038622

Serp1	0.534792	0.038798	0.038798
Esam	0.25926	0.039029	0.039029
Mrtfa	1.5135	0.038798	0.038798
Dcaf4	1.71491	0.038798	0.038798
Mrpl23	1.317444	0.038947	0.038947
N4bp2	1.195552	0.038886	0.038886
Rps23-ps1	0.738956	0.039128	0.039128
Tnfrsf11a	0.90415	0.039128	0.039128
Nkd2	1.381696	0.039167	0.039167
Snx13	0.58802	0.039248	0.039248
Endog	0.846111	0.039524	0.039524
Cnot6l	0.348529	0.039774	0.039774
Mcl1	0.273505	0.039818	0.039818
Wapl	0.406181	0.039818	0.039818
Celsr2	2.191473	0.039435	0.039435
Slc31a2	0.514511	0.039796	0.039796
Stxbp2	3.062134	0.03964	0.03964
Tmem165	0.497736	0.039818	0.039818
Nxt1	0.700818	0.039818	0.039818
Cnpy3	0.901086	0.039818	0.039818
Gm49797	1.149971	0.039818	0.039818
Nnat	2.194458	0.039818	0.039818
Col4a2	0.285336	0.04038	0.04038
Arrdc2	1.32357	0.040161	0.040161
Pde4a	1.023506	0.04038	0.04038
Spa17	1.643569	0.040297	0.040297
Ttc39b	0.759057	0.040391	0.040391
Srrm2	0.254684	0.040555	0.040555
Zfp746	0.897236	0.04038	0.04038
Nostrin	0.344923	0.040536	0.040536
Dnpep	0.539968	0.040527	0.040527
Dph6	0.833694	0.040395	0.040395
Enc1	0.462616	0.040479	0.040479
Lancl3	1.293571	0.040397	0.040397
Cdt1	3.030838	0.040391	0.040391
Ppp1r2	0.305563	0.040883	0.040883
Klf3	0.325654	0.040883	0.040883
P3h4	0.971585	0.040773	0.040773
Phka2	1.366398	0.040605	0.040605
Rrp1	0.396484	0.041021	0.041021
Cltc	0.325343	0.041077	0.041077
Prxl2b	0.903981	0.04089	0.04089
Suz12	0.446933	0.041274	0.041274
4930426I2	2.46323	0.041077	0.041077
1810010H	2.202377	0.041125	0.041125
Mir703	0.859409	0.041407	0.041407
Arf4	0.365274	0.041719	0.041719

Sugct	3.075081	0.041399	0.041399
Ggnbp1	21.39774	0.0416	0.0416
Nlgn2	1.101993	0.041722	0.041722
Rab9	0.563864	0.042109	0.042109
Dagla	2.973597	0.041909	0.041909
Slc25a4	0.277341	0.042526	0.042526
Cand2	2.737036	0.042749	0.042749
Clta	0.304355	0.04371	0.04371
Dcaf5	0.698511	0.043552	0.043552
Pik3ip1	0.485841	0.043791	0.043791
Ttc32	0.919686	0.043667	0.043667
Map2k3os	22.55924	0.04371	0.04371
Hnrnpa1	0.368344	0.043962	0.043962
Gabpb1	0.658783	0.043962	0.043962
Otulinl	21.47459	0.043962	0.043962
Renbp	1.499094	0.043991	0.043991
Galm	2.87987	0.043962	0.043962
Tmem79	21.96233	0.044296	0.044296
Ddah1	0.55529	0.044545	0.044545
Fbl	0.805218	0.044488	0.044488
Snx21	0.637684	0.044747	0.044747
Trib2	0.534737	0.044713	0.044713
Gm48369	21.70312	0.044747	0.044747
Gm43187	3.168614	0.044844	0.044844
Gm43766	22.17104	0.045195	0.045195
Figl2	1.130045	0.045195	0.045195
Supt3	1.418385	0.045148	0.045148
Fabp7	22.0017	0.045404	0.045404
Nck1	0.375097	0.045577	0.045577
Jpx	2.17548	0.045195	0.045195
Jph1	21.7546	0.045463	0.045463
Kcnq4	2.740059	0.045283	0.045283
Cyp20a1	0.835071	0.045666	0.045666
Ptma-ps2	3.446732	0.045708	0.045708
Picalm	0.307175	0.046458	0.046458
Agbl5	1.490556	0.04623	0.04623
Capzb	0.321605	0.046926	0.046926
Thnsl2	1.400675	0.046888	0.046888
Fzd10os	21.9415	0.047215	0.047215
3110082I1	0.977322	0.04708	0.04708
Calm2	0.294291	0.047857	0.047857
Metrn	1.023853	0.047687	0.047687
Garre1	0.265278	0.048027	0.048027
Inca1	22.94913	0.047789	0.047789
Per2	1.277546	0.047937	0.047937
Rab34	0.978286	0.048124	0.048124
Steap2	1.236276	0.047937	0.047937

H13	0.491679	0.048398	0.048398
Mboat2	1.601811	0.048145	0.048145
Pax6	1.112747	0.048473	0.048473
Iqcb1	0.93837	0.04863	0.04863
Poldip3	0.56545	0.048874	0.048874
Gpc6	1.381012	0.049058	0.049058
Syt9	21.30608	0.049009	0.049009
Rwdd3	1.787391	0.048802	0.048802
Heph	1.713126	0.049058	0.049058
Capn5	2.076246	0.049041	0.049041
Lepr	1.737257	0.049209	0.049209
Sgcb	1.033334	0.049278	0.049278
Gm15420	22.50288	0.049518	0.049518
Eif1a	0.489371	0.049729	0.049729
Gna13	0.445492	0.049994	0.049994
Enoph1	1.078941	0.049729	0.049729
Smo	0.879853	0.049863	0.049863
Larp6	2.507364	0.04968	0.04968
Zfp282	1.073584	0.049965	0.049965
A030005L1	21.64273	0.049994	0.049994
Afap1l2	-0.46573	0.04996	0.04996
5031425E2	-0.59061	0.049821	0.049821
Zfp704	-0.51854	0.049009	0.049009
H3c15	-2.4536	0.049209	0.049209
Grb14	-0.58849	0.048874	0.048874
Ppia	-0.17698	0.048144	0.048144
Eif3a	-0.28405	0.047361	0.047361
Stard9	-0.67672	0.047413	0.047413
Gm9917	-1.03403	0.047413	0.047413
Cct6a	-0.3993	0.046412	0.046412
Apoe	-0.29661	0.046236	0.046236
Smpdl3a	-0.36941	0.04617	0.04617
Susd4	-2.76058	0.04643	0.04643
Ankrd6	-1.05259	0.045355	0.045355
Insig1	-1.00183	0.044622	0.044622
Slc66a2	-0.5792	0.044454	0.044454
Clic4	-0.22147	0.04387	0.04387
Stat1	-0.62184	0.043428	0.043428
Kcnv2	-0.87066	0.043125	0.043125
Rapgef4	-0.48708	0.042886	0.042886
Calu	-0.40576	0.042526	0.042526
Jade1	-0.60109	0.041909	0.041909
Rin2	-0.58032	0.04119	0.04119
Nfia	-0.37156	0.041125	0.041125
Tm7sf3	-0.55033	0.041125	0.041125
Trim44	-0.468	0.040022	0.040022
Trim30a	-0.61596	0.039818	0.039818

Vcp	-0.32422	0.039565	0.039565
Flnb	-0.37088	0.039524	0.039524
Plk4	-2.35163	0.038886	0.038886
Itgb4	-1.15481	0.038127	0.038127
Nsrp1	-0.55519	0.037336	0.037336
Epas1	-0.16317	0.036415	0.036415
Acsf5	-0.62577	0.036578	0.036578
Itpr3	-0.53052	0.036311	0.036311
Entr1	-0.73172	0.036076	0.036076
Syt11	-0.83548	0.036076	0.036076
Ccser2	-0.36379	0.03583	0.03583
Rhoq	-0.66286	0.035552	0.035552
Tacc2	-0.85402	0.035393	0.035393
Ifnar1	-0.42986	0.03524	0.03524
Cd83	-1.70843	0.035061	0.035061
Gbp9	-0.66264	0.034515	0.034515
Atp11a	-0.56261	0.034482	0.034482
Trpv4	-0.89383	0.034482	0.034482
Abr	-0.55212	0.033678	0.033678
Ppp1r16b	-0.61122	0.033398	0.033398
Npnt	-1.90804	0.033398	0.033398
Cetn3	-0.44154	0.033014	0.033014
Cep83	-0.80867	0.031932	0.031932
Pnpla6	-0.73269	0.031139	0.031139
Gbp2	-0.74583	0.030177	0.030177
Rassf8	-0.84437	0.029971	0.029971
Bcam	-0.35177	0.029309	0.029309
Pdxk	-0.50036	0.029211	0.029211
Trim34a	-0.89213	0.029068	0.029068
Sestd1	-0.9129	0.029	0.029
Pdgfb	-0.33888	0.028506	0.028506
Pik3cb	-0.98871	0.02856	0.02856
Creb5	-2.9994	0.028695	0.028695
Agap1	-0.59769	0.028013	0.028013
Gm15666	-1.20065	0.028061	0.028061
Dhcr24	-1.5425	0.028061	0.028061
Snx12	-1.02664	0.028013	0.028013
Notch1	-0.30641	0.027173	0.027173
Arhgef2	-0.46073	0.027026	0.027026
Mast4	-0.34387	0.026816	0.026816
Tapbpl	-0.9842	0.026868	0.026868
Psmc13	-0.54201	0.026154	0.026154
Gnas	-0.19703	0.025742	0.025742
Amot	-0.84847	0.025574	0.025574
Cables2	-0.78938	0.024456	0.024456
Gnpda2	-0.67455	0.024148	0.024148
Rida	-1.07261	0.024143	0.024143

Cp	-0.35181	0.023609	0.023609
Megf9	-0.95716	0.023403	0.023403
Gm12250	-2.1353	0.022658	0.022658
Fermt2	-0.29591	0.021922	0.021922
Dnah8	-1.21992	0.021567	0.021567
Agrn	-0.44466	0.021449	0.021449
Elf1	-0.53969	0.021408	0.021408
Rasgrf2	-1.23002	0.02114	0.02114
Tm6sf1	-0.54319	0.020487	0.020487
Enpp4	-0.6246	0.019897	0.019897
Gper1	-0.8756	0.019912	0.019912
Foxq1	-0.29496	0.0196	0.0196
AU040320	-1.01384	0.01955	0.01955
Mkrn1	-0.7367	0.019397	0.019397
Lrrc32	-0.75952	0.019116	0.019116
Ptprj	-0.74682	0.019038	0.019038
Trim65	-1.01975	0.018929	0.018929
Asb4	-1.12191	0.018837	0.018837
Prom1	-0.34392	0.01846	0.01846
Mindy1	-0.48069	0.01846	0.01846
Filip1	-0.50743	0.018009	0.018009
Ubtf	-0.56071	0.018009	0.018009
Rbm7	-0.50916	0.017631	0.017631
B2m	-0.23087	0.017609	0.017609
Gngt1	-0.30571	0.017443	0.017443
Snapc3	-1.09382	0.017452	0.017452
Chmp2a	-0.33917	0.01722	0.01722
Gm49266	-1.37673	0.017307	0.017307
Irgm1	-0.89802	0.01709	0.01709
Cdkn2b	-1.19668	0.017081	0.017081
Ushbp1	-0.45221	0.016554	0.016554
Ifit3	-1.08647	0.016505	0.016505
Sp100	-0.57291	0.01647	0.01647
Osbpl1a	-0.46622	0.016038	0.016038
Fut8	-0.50101	0.015902	0.015902
Akr1c14	-1.8055	0.015995	0.015995
Cct8	-0.51813	0.01576	0.01576
Actn4	-0.3112	0.01564	0.01564
Sfxn3	-0.75043	0.014573	0.014573
Iffo2	-1.11139	0.014305	0.014305
Msrb2	-1.2449	0.014001	0.014001
Gbp7	-0.60636	0.013747	0.013747
Jag1	-0.575	0.01357	0.01357
S100a4	-2.34063	0.013715	0.013715
Gbp5	-1.03026	0.013171	0.013171
Sncaip	-1.51059	0.012849	0.012849
Sp110	-0.86938	0.012752	0.012752

Plat	-0.37094	0.012237	0.012237
Slc40a1	-0.67029	0.012155	0.012155
Bche	-2.75338	0.012292	0.012292
Pls3	-0.41362	0.011621	0.011621
Tfrc	-0.67229	0.011545	0.011545
Fchsd2	-0.83048	0.011391	0.011391
P4ha2	-1.07939	0.011074	0.011074
Irf9	-0.70592	0.010832	0.010832
Cx3cl1	-0.74858	0.010624	0.010624
Map7d1	-0.50711	0.010488	0.010488
Fbxl3	-0.61261	0.010491	0.010491
Cav2	-0.49845	0.010184	0.010184
Pdlim5	-0.43726	0.010152	0.010152
Ift172	-1.11728	0.010184	0.010184
Nsg2	-3.61663	0.009522	0.009522
Gm42892	-0.86676	0.009114	0.009114
Ttbk2	-0.98883	0.009111	0.009111
Rasgrp3	-0.5179	0.009011	0.009011
Sag	-0.35345	0.008536	0.008536
Fdps	-1.06129	0.008657	0.008657
Ifi47	-0.8982	0.008358	0.008358
Gja4	-0.75263	0.008034	0.008034
Lifr	-0.56426	0.007975	0.007975
Sox7	-0.77459	0.00779	0.00779
Ifih1	-0.79454	0.007594	0.007594
Rnf213	-0.74177	0.007485	0.007485
Kcnj2	-1.35854	0.007484	0.007484
Skida1	-1.66676	0.00734	0.00734
Hprt	-0.47133	0.007153	0.007153
Car7	-2.05901	0.00693	0.00693
Mir99ahg	-1.40982	0.006935	0.006935
H2bc4	-0.43923	0.006771	0.006771
Pik3r3	-0.69362	0.006686	0.006686
Upf2	-0.65456	0.006534	0.006534
Chd3	-0.55279	0.006258	0.006258
Slc16a4	-0.85153	0.006152	0.006152
Cacybp	-0.61807	0.006002	0.006002
Trim8	-0.73258	0.005928	0.005928
Map4	-0.40172	0.005836	0.005836
Wnt5b	-2.13109	0.005557	0.005557
Ehd4	-0.53951	0.005368	0.005368
Psme2	-0.58398	0.005184	0.005184
Atxn1	-0.68344	0.005142	0.005142
Notch4	-0.67536	0.005059	0.005059
Cd320	-0.658	0.005005	0.005005
Smc1a	-0.48317	0.004603	0.004603
Arl2bp	-0.45563	0.004556	0.004556

Mcub	-1.02904	0.004566	0.004566
Rassf3	-0.50775	0.004431	0.004431
Mir6236	-0.42277	0.004215	0.004215
Ccdc88c	-1.14791	0.004301	0.004301
Plaat3	-0.59541	0.004212	0.004212
Acta2	-1.44989	0.004215	0.004215
Adam15	-0.43936	0.003966	0.003966
mt-Co2	-1.09782	0.003958	0.003958
Rapgef1	-0.69692	0.003909	0.003909
Ndufa4	-0.29596	0.003824	0.003824
Jup	-0.65501	0.003729	0.003729
Scd2	-0.77178	0.003637	0.003637
Hsp90aa1	-0.35274	0.00346	0.00346
Rhpn2	-1.22445	0.003371	0.003371
mt-Nd5	-0.3642	0.002826	0.002826
Dusp16	-1.29476	0.00277	0.00277
Nr3c1	-0.45348	0.002608	0.002608
Smarca2	-0.5291	0.002544	0.002544
Irf6	-3.06236	0.002636	0.002636
Gtf2i	-0.56351	0.00252	0.00252
Mgll	-0.61925	0.002391	0.002391
Glul	-0.31262	0.002301	0.002301
Usp18	-1.34782	0.002337	0.002337
Iqgap1	-0.33956	0.002226	0.002226
E230020D:	-1.89472	0.002269	0.002269
Ebf1	-0.36427	0.00218	0.00218
Inpp1	-0.75058	0.002195	0.002195
Id2	-0.86594	0.002212	0.002212
Nhs12	-0.70198	0.002073	0.002073
Runx1t1	-1.37932	0.001871	0.001871
Tbx1	-0.62372	0.001772	0.001772
Fam114a1	-1.08444	0.001767	0.001767
Shtn1	-3.61916	0.00183	0.00183
Cd24a	-0.84664	0.001707	0.001707
Ddx5	-0.2517	0.00162	0.00162
Ceacam1	-0.69924	0.001602	0.001602
Lima1	-0.42641	0.001581	0.001581
Crip1	-0.36431	0.001551	0.001551
Elovl7	-0.61252	0.001494	0.001494
Tagln	-1.95744	0.001467	0.001467
Isyna1	-0.69908	0.001426	0.001426
Col8a1	-2.1809	0.001451	0.001451
Dync1li2	-0.76945	0.001388	0.001388
Adgrf5	-0.29875	0.00135	0.00135
Prss23	-0.60282	0.001304	0.001304
Phf11d	-1.26499	0.001292	0.001292
Nrep	-1.26808	0.001257	0.001257

Apba1	-2.40683	0.001272	0.001272
Tgfb2	-0.60576	0.001207	0.001207
Alox12	-2.14799	0.001208	0.001208
Lars2	-0.50223	0.001075	0.001075
Bcl6b	-1.47343	0.001087	0.001087
Uqcc2	-0.52385	0.000959	0.000959
Tspan2	-1.07733	0.000958	0.000958
Tec	-2.09014	0.000893	0.000893
Spc25	-0.88688	0.000853	0.000853
Map4k2	-0.86619	0.000831	0.000831
mt-Co3	-0.93219	0.000805	0.000805
Tpgs2	-1.13898	0.000776	0.000776
Igtp	-1.0588	0.000752	0.000752
Trim12a	-1.07078	0.000748	0.000748
Cobll1	-0.58727	0.000677	0.000677
Gbp4	-0.99912	0.000679	0.000679
Fbln5	-2.74345	0.000709	0.000709
Hs3st1	-2.17195	0.000689	0.000689
Tmem100	-1.1422	0.000572	0.000572
Cthrc1	-0.66458	0.000567	0.000567
Calr	-0.47819	0.000566	0.000566
Plip	-0.68728	0.00056	0.00056
Dusp8	-0.98334	0.000513	0.000513
Oasl2	-0.94586	0.000502	0.000502
Pcp4l1	-0.44511	0.000466	0.000466
Crem	-1.13502	0.00047	0.00047
Prune2	-2.11132	0.000464	0.000464
Fbxo7	-1.03927	0.00042	0.00042
Gvin-ps7	-0.71265	0.000414	0.000414
Ifit1	-1.02537	0.000417	0.000417
Mgst1	-1.14938	0.000408	0.000408
Lsr	-0.4741	0.00037	0.00037
Klf12	-1.01071	0.000368	0.000368
Fgd5	-0.58471	0.000357	0.000357
S1pr1	-0.34368	0.00035	0.00035
Antxr1	-2.09127	0.00032	0.00032
Clstn1	-0.51397	0.00024	0.00024
Gulp1	-1.00339	0.000243	0.000243
Fez1	-1.8727	0.000249	0.000249
A530083M	-1.15831	0.000235	0.000235
Rtp4	-1.08626	0.000236	0.000236
Tpd52l1	-1.44487	0.000237	0.000237
Stard4	-1.06866	0.000193	0.000193
Layn	-1.48348	0.000197	0.000197
Tnfrsf19	-0.77379	0.00018	0.00018
Plcg2	-1.83764	0.000181	0.000181
Tmem208	-0.93374	0.000162	0.000162

Nuak1	-1.59801	0.000163	0.000163
Spata13	-1.07179	0.000158	0.000158
Kctd10	-0.66486	0.000153	0.000153
Sgms2	-0.97327	0.000151	0.000151
Crip2	-0.36155	0.000146	0.000146
Uaca	-0.60691	0.000145	0.000145
Rsad2	-1.45834	0.000141	0.000141
Ddc	-2.27539	0.000132	0.000132
C130074G	-0.66346	0.000112	0.000112
Ret	-4.18569	0.00012	0.00012
Sipa1l2	-1.04248	0.000108	0.000108
Gm20559	-1.37295	0.000107	0.000107
Aplp2	-0.36417	0.000101	0.000101
Rho	-0.29749	9.63E-05	9.63E-05
Col5a2	-2.89205	9.52E-05	9.52E-05
Ldlr	-1.85763	8.47E-05	8.47E-05
Srp14	-0.53121	7.84E-05	7.84E-05
Dpy19l1	-1.03675	7.96E-05	7.96E-05
Mfsd2a	-0.73985	7.67E-05	7.67E-05
Mpzl1	-0.61215	5.52E-05	5.52E-05
Fkbp4	-0.81345	5.25E-05	5.25E-05
Pdgfa	-0.9636	4.81E-05	4.81E-05
Kank4	-1.73531	5.04E-05	5.04E-05
Cmpk2	-1.70724	4.92E-05	4.92E-05
Hsph1	-1.97751	4.84E-05	4.84E-05
Cit	-1.67173	4.59E-05	4.59E-05
Ankrd29	-2.92875	4.44E-05	4.44E-05
Stra6	-0.78212	4.00E-05	4.00E-05
Sorbs2	-0.52195	3.90E-05	3.90E-05
Ntn4	-1.56093	4.09E-05	4.09E-05
Islr2	-0.77274	3.73E-05	3.73E-05
Rnaset2a	-1.19588	3.42E-05	3.42E-05
Lypd1	-2.94919	3.42E-05	3.42E-05
Palmd	-0.59633	2.66E-05	2.66E-05
Cav1	-0.86454	2.76E-05	2.76E-05
Frmd4b	-0.75861	2.48E-05	2.48E-05
Rasd1	-1.18994	2.37E-05	2.37E-05
mt-Atp6	-0.74245	2.26E-05	2.26E-05
Nr4a2	-1.17174	2.06E-05	2.06E-05
Srsf3	-0.53005	1.62E-05	1.62E-05
Efr3b	-0.68318	1.65E-05	1.65E-05
Ccnd2	-0.71921	1.60E-05	1.60E-05
Cavin2	-0.49991	1.54E-05	1.54E-05
Golim4	-0.56471	1.54E-05	1.54E-05
Nos3	-0.77384	1.36E-05	1.36E-05
Lama3	-3.6386	1.46E-05	1.46E-05
Sox13	-0.98125	1.30E-05	1.30E-05

Timp2	-1.5141	1.14E-05	1.14E-05
Psmb10	-0.83626	1.04E-05	1.04E-05
Cyth3	-0.70032	8.26E-06	8.26E-06
Ifi27l2a	-3.64908	9.28E-06	9.28E-06
Far2	-1.84056	7.49E-06	7.49E-06
Gm9946	-2.17935	6.66E-06	6.66E-06
Reck	-0.78328	4.89E-06	4.89E-06
Dnaja1	-0.7126	4.40E-06	4.40E-06
Lrp8	-0.80355	4.38E-06	4.38E-06
Dst	-0.66905	3.53E-06	3.53E-06
Hsp90ab1	-0.36343	3.24E-06	3.24E-06
Ehd2	-0.74805	3.22E-06	3.22E-06
Isg15	-1.04387	2.95E-06	2.95E-06
Irf7	-1.30632	2.74E-06	2.74E-06
Ocln	-0.74332	2.49E-06	2.49E-06
mt-Atp8	-0.7685	2.46E-06	2.46E-06
Eln	-1.30326	1.73E-06	1.73E-06
Rapgef2	-0.80756	1.46E-06	1.46E-06
Bnip2	-0.60718	1.28E-06	1.28E-06
Syt15	-2.16128	1.47E-06	1.47E-06
Plk2	-0.75566	1.08E-06	1.08E-06
Atp2b4	-1.30682	9.22E-07	9.22E-07
Gbp3	-1.20169	8.22E-07	8.22E-07
Slc7a1	-0.78838	7.56E-07	7.56E-07
Jag2	-0.7908	7.68E-07	7.68E-07
Myo10	-0.68766	7.41E-07	7.41E-07
Anxa5	-0.59595	6.37E-07	6.37E-07
Htra1	-1.50316	4.73E-07	4.73E-07
Fam181b	-1.65945	4.41E-07	4.41E-07
St6galnac3	-0.95559	3.83E-07	3.83E-07
Tspan13	-0.71342	1.91E-07	1.91E-07
Il10rb	-0.8148	1.40E-07	1.40E-07
Tubb2a	-1.09653	1.44E-07	1.44E-07
Lrrc49	-1.4071	1.38E-07	1.38E-07
Mndal	-1.19147	1.20E-07	1.20E-07
Mecom	-0.7127	9.66E-08	9.66E-08
Entpd1	-0.82609	9.13E-08	9.13E-08
mt-Nd1	-0.42193	9.09E-08	9.09E-08
Nebi	-0.62972	7.85E-08	7.85E-08
Xaf1	-1.01602	7.67E-08	7.67E-08
Cldn5	-0.40437	5.83E-08	5.83E-08
Eogt	-0.74046	6.36E-08	6.36E-08
Pmepa1	-0.93656	4.71E-08	4.71E-08
Sgms1	-0.48108	4.08E-08	4.08E-08
She	-0.82672	3.56E-08	3.56E-08
Atp2a3	-1.75053	3.96E-08	3.96E-08
Timp3	-0.62167	2.47E-08	2.47E-08

Fzd6	-0.93171	2.82E-08	2.82E-08
Olfml2a	-3.26805	2.06E-08	2.06E-08
Myl12a	-0.53695	1.34E-08	1.34E-08
Nes	-1.26592	1.30E-08	1.30E-08
Icam2	-0.83126	8.61E-09	8.61E-09
Dynll1	-0.58399	5.70E-09	5.70E-09
Macf1	-0.59498	4.48E-09	4.48E-09
Msx1	-2.5792	4.34E-09	4.34E-09
Col18a1	-2.53995	3.86E-09	3.86E-09
Atp13a3	-1.11371	1.42E-09	1.42E-09
Pi16	-2.8799	1.65E-09	1.65E-09
Sgpp2	-1.62054	6.07E-10	6.07E-10
Esyt2	-0.87459	3.23E-10	3.23E-10
Aif1l	-1.71217	2.53E-10	2.53E-10
Jcad	-0.66297	1.07E-10	1.07E-10
Cd2ap	-0.64517	8.92E-11	8.92E-11
Azin1	-1.59241	8.86E-11	8.86E-11
Dll4	-1.56019	6.32E-11	6.32E-11
Crispld1	-2.02867	4.03E-11	4.03E-11
Rsrp1	-0.74901	9.35E-12	9.35E-12
Rad54b	-2.26468	9.34E-12	9.34E-12
Gas6	-1.17964	2.90E-12	2.90E-12
Ifi203	-1.40096	2.40E-12	2.40E-12
Myl6	-0.51428	8.51E-13	8.51E-13
Gm28438	-0.93239	9.31E-13	9.31E-13
Bmx	-1.29619	4.55E-13	4.55E-13
Ptprm	-1.30434	2.32E-13	2.32E-13
Efnb2	-1.64355	1.91E-13	1.91E-13
Ptpr	-1.49168	1.73E-13	1.73E-13
Edn3	-2.2864	8.09E-14	8.09E-14
Tek	-0.86163	4.45E-14	4.45E-14
Unc5b	-1.85157	2.63E-14	2.63E-14
Cst3	-0.69659	1.13E-14	1.13E-14
Amd1	-1.76942	1.47E-14	1.47E-14
Tsc22d1	-0.67014	4.95E-15	4.95E-15
Tuba1a	-1.00729	6.72E-15	6.72E-15
mt-Nd4	-0.65029	2.46E-15	2.46E-15
Slc16a2	-1.53728	2.52E-15	2.52E-15
Rn18s-rs5	-0.67834	6.88E-16	6.88E-16
Pltp	-0.67241	1.04E-15	1.04E-15
mt-Cytb	-0.55785	1.02E-15	1.02E-15
Eps8l2	-2.9715	1.20E-15	1.20E-15
Fbln2	-3.28187	1.17E-16	1.17E-16
St8sia6	-1.68641	2.28E-17	2.28E-17
Slc9a3r2	-0.87483	1.15E-17	1.15E-17
Utrn	-0.8965	1.12E-17	1.12E-17
Lmo7	-2.0051	8.58E-18	8.58E-18

Gkn3	-6.83693	2.76E-18	2.76E-18
Itprid2	-1.35507	6.04E-19	6.04E-19
mt-Nd2	-0.71925	3.96E-19	3.96E-19
Hey1	-1.91223	1.87E-19	1.87E-19
Cdk19	-1.52112	8.23E-20	8.23E-20
Emp2	-1.62136	9.30E-20	9.30E-20
Bsg	-0.90113	9.75E-21	9.75E-21
Ctnnb1	-0.90553	3.19E-21	3.19E-21
Egfl8	-2.67298	3.62E-21	3.62E-21
Sema3g	-1.59361	1.96E-22	1.96E-22
Kitl	-1.04879	1.04E-23	1.04E-23
mt-Rnr2	-0.89295	6.32E-24	6.32E-24
mt-Rnr1	-0.88063	1.52E-24	1.52E-24
Flt1	-0.64884	5.38E-26	5.38E-26
Ctsh	-1.39341	2.20E-25	2.20E-25
Vegfc	-4.43724	6.81E-27	6.81E-27
Spock2	-1.13681	5.39E-29	5.39E-29
Calm1	-0.68963	1.11E-30	1.11E-30
Slc6a6	-1.00579	2.29E-32	2.29E-32
Stmn2	-2.34471	3.36E-33	3.36E-33
Ptprb	-0.92323	2.09E-38	2.09E-38
Slco1c1	-1.42988	7.54E-40	7.54E-40
Tm4sf1	-1.43848	2.67E-52	2.67E-52
Alpl	-3.33148	3.33E-56	3.33E-56
Ptn	-2.82157	1.17E-71	1.17E-71
Ltbp4	-3.14585	1.84E-84	1.84E-84