

**Supplementary data 1. The list of marker genes in each cluster.**

Gene name	p_val	avg_log2FC	pct.1	pct.2	p_val_adj	cluster
Lpl	0	2.539	0.679	0.095	0	0
C1qc	0	2.333	0.906	0.255	0	0
Cd36	0	2.191	0.691	0.146	0	0
Ms4a7	0	2.155	0.765	0.148	0	0
Pf4	0	2.143	0.761	0.136	0	0
C1qa	0	2.130	0.826	0.172	0	0
Ctsb	0	2.127	1	0.821	0	0
Psap	0	2.091	1	0.82	0	0
Ctss	0	2.084	0.999	0.73	0	0
Lgmn	0	2.040	0.975	0.414	0	0
C1qb	0	2.016	0.921	0.291	0	0
Atp6v0d2	0	1.921	0.466	0.039	0	0
Trem2	0	1.823	0.806	0.117	0	0
Cd68	0	1.717	0.998	0.57	0	0
Lipa	0	1.645	0.843	0.243	0	0
Igf1	0	1.626	0.557	0.069	0	0
Grn	0	1.616	0.99	0.565	0	0
Selenop	0	1.517	0.883	0.318	0	0
Timp2	0	1.500	0.82	0.199	0	0
Pltp	0	1.414	0.799	0.179	0	0
Mrc1	0	1.405	0.85	0.23	0	0
Creg1	0	1.398	0.868	0.297	0	0
Msr1	0	1.397	0.852	0.233	0	0
Anpep	0	1.372	0.75	0.166	0	0
Adgre1	0	1.337	0.814	0.196	0	0
Hexa	0	1.308	0.941	0.369	0	0
Anxa4	0	1.301	0.896	0.323	0	0
Tnfsf12	0	1.019	0.761	0.151	0	0
Tmem106a	0	0.944	0.814	0.209	0	0
Myof	0	0.940	0.707	0.139	0	0
Dhrs3	0	0.863	0.748	0.162	0	0
Tmem37	0	0.853	0.596	0.084	0	0
Fblim1	0	0.779	0.512	0.039	0	0
Slc27a1	0	0.758	0.57	0.088	0	0
Akr1a1	2.54E-307	1.327	0.985	0.569	6.30E-303	0
Sdc3	2.79E-307	1.185	0.888	0.294	6.93E-303	0
Gpnmb	6.89E-307	2.716	0.688	0.167	1.71E-302	0
Ctsa	5.44E-305	1.395	0.97	0.482	1.35E-300	0
Mpeg1	8.82E-305	1.427	0.93	0.349	2.19E-300	0
Abhd12	4.56E-300	0.924	0.767	0.198	1.13E-295	0
Pmp22	4.25E-299	1.314	0.576	0.097	1.06E-294	0
Lamp1	2.76E-298	1.345	0.993	0.597	6.86E-294	0

Vat1	4.54E-296	1.171	0.872	0.294	1.13E-291	0
Ctsd	1.49E-293	1.697	0.981	0.507	3.69E-289	0
Acp5	4.17E-293	0.902	0.521	0.079	1.04E-288	0
Lrp12	9.42E-292	0.673	0.618	0.112	2.34E-287	0
Cndp2	5.62E-288	1.121	0.957	0.384	1.40E-283	0
Hexb	4.07E-284	1.340	0.763	0.219	1.01E-279	0
Fabp5	6.05E-284	1.972	0.943	0.453	1.50E-279	0
Pld3	2.31E-283	1.504	0.867	0.326	5.73E-279	0
Blnk	4.06E-281	0.645	0.617	0.117	1.01E-276	0
App	2.37E-280	1.258	0.988	0.534	5.87E-276	0
Prdx1	2.41E-278	1.666	0.985	0.611	5.98E-274	0
Tpp1	5.87E-274	1.055	0.882	0.309	1.46E-269	0
Slc48a1	2.64E-273	0.844	0.61	0.13	6.55E-269	0
Man1c1	7.76E-272	0.677	0.582	0.11	1.93E-267	0
Cebpa	5.77E-271	1.040	0.84	0.259	1.43E-266	0
Lyz2	1.94E-270	1.713	0.972	0.529	4.82E-266	0
Acp2	3.13E-268	0.725	0.64	0.139	7.76E-264	0
Asah1	2.97E-267	0.992	0.807	0.264	7.38E-263	0
Blvrb	6.26E-267	0.591	0.599	0.115	1.56E-262	0
Cd84	7.10E-267	0.740	0.825	0.239	1.76E-262	0
Mmp12	1.13E-265	3.328	0.573	0.13	2.82E-261	0
Cd63	1.98E-264	1.363	0.913	0.386	4.91E-260	0
Ctsl	1.41E-263	1.956	0.941	0.415	3.51E-259	0
Idh1	1.87E-261	0.761	0.629	0.138	4.65E-257	0
C3ar1	2.75E-260	1.138	0.903	0.314	6.83E-256	0
Clec4a1	1.26E-259	1.123	0.778	0.233	3.13E-255	0
F7	4.90E-259	0.729	0.397	0.046	1.22E-254	0
Gstm1	6.84E-259	0.847	0.58	0.117	1.70E-254	0
Dab2	6.72E-258	1.235	0.906	0.332	1.67E-253	0
Itm2b	2.72E-254	1.275	0.992	0.743	6.75E-250	0
Rcbtb2	8.06E-254	0.698	0.58	0.118	2.00E-249	0
Itgb5	2.49E-253	0.501	0.43	0.056	6.17E-249	0
Slc37a2	1.53E-248	0.590	0.534	0.099	3.81E-244	0
Gna12	5.62E-246	0.559	0.564	0.114	1.40E-241	0
Cd180	2.27E-245	0.703	0.616	0.138	5.64E-241	0
Lgals3	2.72E-245	1.422	1	0.775	6.75E-241	0
Arhgap10	2.69E-244	0.566	0.597	0.125	6.67E-240	0
Uap111	4.06E-244	0.505	0.564	0.113	1.01E-239	0
Serpinb6a	1.69E-243	1.161	0.565	0.125	4.20E-239	0
Mmp14	2.15E-243	0.771	0.598	0.132	5.34E-239	0
Rhoc	6.57E-243	0.697	0.517	0.097	1.63E-238	0
Pgam1	1.60E-241	1.307	0.977	0.607	3.98E-237	0
Ly9	2.41E-241	0.783	0.61	0.142	5.98E-237	0
Lair1	2.47E-241	0.596	0.501	0.088	6.13E-237	0
Slc6a8	3.05E-241	0.633	0.485	0.081	7.58E-237	0
Slc43a2	1.03E-239	0.668	0.669	0.165	2.55E-235	0

Lgals3bp	1.83E-239	1.095	0.826	0.305	4.54E-235	0
Syng1	5.31E-239	0.475	0.333	0.03	1.32E-234	0
Fcgr2b	2.38E-238	1.237	0.958	0.43	5.92E-234	0
Mgst1	6.05E-237	0.766	0.482	0.083	1.50E-232	0
Rnase4	4.07E-234	0.873	0.531	0.104	1.01E-229	0
Hebp1	1.39E-233	0.365	0.331	0.032	3.45E-229	0
Cd93	1.76E-233	0.923	0.659	0.17	4.38E-229	0
Cyba	4.07E-233	1.038	0.983	0.634	1.01E-228	0
Ctsz	1.58E-232	1.073	0.975	0.571	3.92E-228	0
Vcam1	3.54E-232	1.645	0.371	0.046	8.80E-228	0
Ms4a6d	7.34E-232	1.056	0.894	0.325	1.82E-227	0
Dnmt3a	7.62E-232	0.936	0.675	0.185	1.89E-227	0
Atp6v0a1	1.91E-230	0.705	0.646	0.162	4.75E-226	0
Cd22	8.98E-230	0.409	0.292	0.022	2.23E-225	0
Ftl1	9.40E-230	1.037	1	0.956	2.33E-225	0
Atp1a3	8.39E-229	0.812	0.59	0.134	2.08E-224	0
Wwp1	3.41E-227	0.716	0.552	0.118	8.46E-223	0
Blvra	6.34E-227	0.507	0.55	0.117	1.57E-222	0
Mertk	7.23E-227	0.561	0.421	0.063	1.80E-222	0
Itsn1	1.39E-226	0.551	0.591	0.127	3.46E-222	0
Cd302	1.41E-225	0.597	0.568	0.122	3.50E-221	0
Plau	2.02E-225	1.230	0.727	0.216	5.02E-221	0
Dram2	4.88E-225	0.509	0.551	0.116	1.21E-220	0
Anxa1	1.47E-224	1.301	0.857	0.344	3.64E-220	0
Apoe	6.36E-224	2.106	0.881	0.437	1.58E-219	0
Clec4a2	9.31E-224	0.918	0.811	0.265	2.31E-219	0
Naglu	1.34E-223	0.445	0.436	0.07	3.32E-219	0
Gdpd1	2.59E-222	0.450	0.328	0.034	6.42E-218	0
Lat2	3.46E-222	0.799	0.816	0.282	8.59E-218	0
Mtss1	3.60E-221	0.816	0.636	0.164	8.94E-217	0
Myo5a	4.35E-221	0.768	0.785	0.256	1.08E-216	0
Rnf128	7.22E-221	0.758	0.387	0.054	1.79E-216	0
Anxa5	7.17E-220	0.963	0.972	0.55	1.78E-215	0
Cybb	9.07E-220	1.067	0.861	0.324	2.25E-215	0
Fcgr3	2.88E-219	0.961	0.958	0.414	7.15E-215	0
Lrp1	9.11E-217	0.668	0.806	0.255	2.26E-212	0
Steap3	1.53E-216	0.402	0.397	0.058	3.80E-212	0
Folr2	1.86E-215	0.748	0.403	0.058	4.62E-211	0
Fabp4	3.57E-214	1.145	0.368	0.05	8.87E-210	0
Cd300c2	7.79E-214	0.652	0.697	0.197	1.94E-209	0
Fcgr4	8.28E-214	0.927	0.688	0.194	2.06E-209	0
Bhlhe41	6.46E-213	0.619	0.346	0.042	1.60E-208	0
8-Sep	1.21E-212	0.454	0.473	0.088	3.01E-208	0
Csflr	1.33E-212	0.906	0.907	0.348	3.30E-208	0
Rnf130	4.36E-211	0.726	0.881	0.33	1.08E-206	0
Sash1	6.93E-211	0.503	0.503	0.1	1.72E-206	0

Ctsk	1.21E-209	1.214	0.41	0.067	3.01E-205	0
Sirpa	7.22E-209	0.748	0.834	0.306	1.79E-204	0
Hacd4	1.55E-207	0.494	0.471	0.089	3.84E-203	0
Stab1	2.27E-207	0.991	0.602	0.154	5.65E-203	0
Gns	1.44E-206	0.797	0.859	0.33	3.57E-202	0
Emp1	4.80E-206	1.145	0.898	0.396	1.19E-201	0
Atp6v1a	5.19E-206	1.068	0.951	0.504	1.29E-201	0
Ctsh	1.02E-205	0.942	0.918	0.399	2.54E-201	0
Slc11a1	1.89E-205	0.649	0.83	0.278	4.70E-201	0
Ppt2	3.45E-205	0.532	0.547	0.128	8.58E-201	0
Ferls	1.13E-203	0.866	0.354	0.048	2.81E-199	0
Wfdc17	1.79E-203	1.157	0.923	0.427	4.45E-199	0
Rnf13	2.29E-203	0.635	0.71	0.222	5.69E-199	0
Slamf7	2.45E-203	0.877	0.754	0.252	6.09E-199	0
Adam15	1.41E-202	0.690	0.758	0.239	3.49E-198	0
Clec4a3	2.88E-202	0.793	0.723	0.223	7.16E-198	0
Itga9	3.28E-202	0.462	0.368	0.053	8.15E-198	0
Ftl1-ps1	4.04E-199	0.970	0.998	0.793	1.00E-194	0
Ccl8	1.90E-197	1.590	0.594	0.171	4.71E-193	0
Oxct1	1.10E-196	0.768	0.77	0.269	2.74E-192	0
Vwa5a	1.42E-194	0.498	0.564	0.141	3.52E-190	0
Plbd2	9.63E-194	0.500	0.588	0.15	2.39E-189	0
Lmo2	1.46E-193	0.546	0.553	0.136	3.62E-189	0
Plxna1	1.84E-193	0.544	0.543	0.13	4.57E-189	0
Axl	4.33E-193	0.841	0.48	0.105	1.07E-188	0
Clec12a	5.19E-193	0.701	0.655	0.192	1.29E-188	0
Hpgds	7.51E-193	0.508	0.432	0.08	1.86E-188	0
S100a1	2.39E-192	0.648	0.547	0.135	5.93E-188	0
Vdac1	1.11E-191	0.904	0.892	0.405	2.75E-187	0
Tmem65	2.48E-191	0.785	0.666	0.211	6.17E-187	0
Aldh2	6.50E-190	0.639	0.759	0.258	1.61E-185	0
Capg	4.94E-189	0.978	0.925	0.465	1.23E-184	0
Cd200r4	7.68E-189	0.331	0.312	0.038	1.91E-184	0
Cd72	8.88E-188	0.709	0.465	0.097	2.21E-183	0
Bnip3	1.01E-187	1.098	0.675	0.225	2.50E-183	0
Pdia4	4.97E-186	0.772	0.686	0.224	1.23E-181	0
Arg1	1.70E-185	2.170	0.528	0.141	4.22E-181	0
Tex264	1.73E-185	0.384	0.471	0.101	4.30E-181	0
Tmem86a	6.65E-185	0.461	0.442	0.087	1.65E-180	0
Atp6v1g1	7.71E-185	0.750	0.924	0.43	1.91E-180	0
Evl	1.30E-184	0.539	0.601	0.165	3.23E-180	0
Dse	2.16E-184	0.513	0.604	0.159	5.37E-180	0
Olfml3	3.95E-184	0.482	0.28	0.029	9.81E-180	0
Trappc21	7.10E-184	0.537	0.688	0.215	1.76E-179	0
Snx5	1.64E-183	0.908	0.951	0.53	4.07E-179	0
Ecm1	2.36E-183	0.699	0.692	0.212	5.87E-179	0

Atp13a2	3.71E-183	0.418	0.505	0.116	9.23E-179	0
Anxa3	1.18E-182	0.471	0.599	0.157	2.93E-178	0
Pdpn	1.22E-182	0.903	0.518	0.125	3.04E-178	0
Rab11fip5	1.42E-182	0.374	0.444	0.087	3.52E-178	0
Abca1	4.02E-182	0.786	0.699	0.224	1.00E-177	0
Plod1	4.36E-182	0.418	0.492	0.109	1.08E-177	0
Slamf9	3.49E-180	0.694	0.479	0.11	8.68E-176	0
Slc7a2	5.72E-180	0.775	0.348	0.054	1.42E-175	0
Ctnnd1	7.18E-180	0.360	0.474	0.102	1.78E-175	0
Aoah	2.11E-179	0.450	0.498	0.112	5.25E-175	0
Aprt	2.84E-179	0.602	0.77	0.273	7.06E-175	0
Dnase1l1	3.83E-179	0.393	0.532	0.13	9.50E-175	0
Rassf8	4.10E-179	0.469	0.359	0.058	1.02E-174	0
App12	3.26E-178	0.366	0.436	0.087	8.09E-174	0
Eif4ebp1	3.75E-178	0.503	0.562	0.149	9.31E-174	0
Nus1	5.99E-178	0.726	0.838	0.35	1.49E-173	0
Fcer1g	2.32E-177	0.934	0.996	0.699	5.77E-173	0
Daglb	3.48E-177	0.371	0.526	0.128	8.66E-173	0
Slc7a8	5.97E-177	0.446	0.737	0.236	1.48E-172	0
Colgalt1	2.11E-176	0.592	0.674	0.219	5.23E-172	0
Mmp13	1.44E-175	1.686	0.28	0.033	3.58E-171	0
Sptssa	1.55E-175	0.586	0.687	0.227	3.86E-171	0
Cd300ld	3.11E-175	0.308	0.607	0.162	7.74E-171	0
Lman1	3.49E-175	0.501	0.557	0.151	8.66E-171	0
Scpep1	1.36E-174	0.810	0.948	0.478	3.37E-170	0
Echs1	1.41E-174	0.379	0.461	0.103	3.49E-170	0
Plxnb2	2.08E-173	0.484	0.599	0.168	5.18E-169	0
Mpp1	4.50E-173	0.420	0.74	0.24	1.12E-168	0
Gatm	7.61E-173	0.786	0.556	0.151	1.89E-168	0
Comt	2.73E-172	0.592	0.65	0.203	6.78E-168	0
Mapk3	4.72E-172	0.538	0.761	0.269	1.17E-167	0
Mitf	8.51E-171	0.322	0.388	0.071	2.11E-166	0
Dstn	1.16E-170	0.764	0.843	0.359	2.88E-166	0
Gdf15	1.21E-169	0.961	0.409	0.084	3.00E-165	0
0610012G03Rik	1.28E-169	0.558	0.7	0.238	3.18E-165	0
Gpx1	1.89E-169	1.020	0.97	0.635	4.71E-165	0
Smpdl3a	3.64E-169	0.793	0.672	0.234	9.04E-165	0
Plin3	7.33E-169	0.443	0.512	0.131	1.82E-164	0
Fam20c	9.39E-169	0.303	0.336	0.052	2.33E-164	0
Tspan4	2.36E-168	0.269	0.285	0.036	5.86E-164	0
Tpi1	2.77E-168	0.970	0.927	0.501	6.87E-164	0
Selenof	2.94E-168	0.787	0.919	0.478	7.29E-164	0
Igsf6	4.77E-168	0.372	0.62	0.173	1.18E-163	0
Lamtor1	1.36E-167	0.499	0.713	0.241	3.38E-163	0
Unc93b1	1.03E-166	0.772	0.851	0.355	2.56E-162	0
Ly86	1.62E-166	0.959	0.869	0.393	4.02E-162	0

Dnase2a	3.50E-166	0.385	0.607	0.175	8.68E-162	0
Ctsc	8.72E-166	1.151	0.919	0.527	2.17E-161	0
Cadm1	3.63E-165	0.892	0.368	0.071	9.02E-161	0
Pon3	1.27E-164	0.291	0.319	0.05	3.17E-160	0
Leprot	4.60E-164	0.599	0.736	0.275	1.14E-159	0
Vsir	6.59E-164	0.546	0.774	0.287	1.64E-159	0
Xdh	1.40E-163	0.443	0.634	0.188	3.49E-159	0
Hk3	1.77E-163	0.318	0.497	0.118	4.40E-159	0
Il18bp	3.34E-163	0.647	0.379	0.075	8.30E-159	0
Dpep2	4.25E-163	0.452	0.488	0.12	1.06E-158	0
Tmed10	6.63E-163	0.754	0.942	0.519	1.65E-158	0
Rab31	9.62E-163	0.390	0.579	0.161	2.39E-158	0
Npc2	1.41E-162	0.810	0.993	0.712	3.51E-158	0
Snx6	2.07E-162	0.643	0.739	0.277	5.14E-158	0
P2rx4	3.99E-162	0.433	0.621	0.188	9.92E-158	0
Ptgr1	5.05E-162	0.450	0.331	0.055	1.26E-157	0
Aldoa	5.33E-162	1.084	0.992	0.783	1.32E-157	0
Itga6	1.48E-161	0.404	0.399	0.082	3.67E-157	0
Mcf2	2.62E-160	0.426	0.638	0.197	6.52E-156	0
Tanc2	1.10E-159	0.350	0.298	0.044	2.72E-155	0
Tmem104	2.90E-159	0.336	0.48	0.116	7.20E-155	0
Dynlt3	1.09E-158	0.557	0.688	0.239	2.70E-154	0
Tmem256	1.29E-158	0.516	0.679	0.229	3.20E-154	0
Tceal8	1.29E-158	0.353	0.438	0.098	3.20E-154	0
Cd300lb	1.91E-158	0.346	0.524	0.134	4.73E-154	0
Il11ra1	3.96E-158	0.339	0.354	0.066	9.85E-154	0
Renbp	1.35E-157	0.383	0.596	0.175	3.36E-153	0
Ap1b1	1.72E-157	0.480	0.569	0.168	4.28E-153	0
Eno1	2.28E-157	0.989	0.958	0.602	5.65E-153	0
Gaa	5.80E-157	0.296	0.351	0.063	1.44E-152	0
Ms4a14	1.80E-156	0.409	0.314	0.05	4.47E-152	0
Psm6	4.09E-156	0.704	0.869	0.414	1.02E-151	0
Atp6ap1	2.22E-155	0.616	0.932	0.462	5.51E-151	0
Apobec1	2.84E-155	0.378	0.725	0.241	7.07E-151	0
Snx1	4.35E-155	0.634	0.822	0.347	1.08E-150	0
Nr1h3	1.62E-154	0.263	0.263	0.033	4.03E-150	0
Igsf8	3.41E-154	0.445	0.595	0.181	8.46E-150	0
Nckap11	3.83E-154	0.590	0.819	0.348	9.51E-150	0
Lamtor4	3.91E-154	0.433	0.65	0.214	9.71E-150	0
Trf	1.14E-153	0.521	0.465	0.115	2.82E-149	0
Myo1e	2.49E-153	0.448	0.581	0.171	6.19E-149	0
Sdhc	2.71E-153	0.502	0.669	0.235	6.74E-149	0
Ccl9	6.66E-153	0.953	0.851	0.378	1.65E-148	0
Glmp	8.90E-153	0.513	0.775	0.302	2.21E-148	0
Nrpl	1.81E-152	0.458	0.473	0.119	4.49E-148	0
Tspan3	5.84E-152	0.422	0.724	0.259	1.45E-147	0

Gltp	9.89E-152	0.730	0.917	0.464	2.46E-147	0
Rgl1	1.40E-151	0.440	0.772	0.272	3.47E-147	0
Milr1	2.18E-151	0.382	0.507	0.134	5.41E-147	0
2610001J05Rik	4.24E-151	0.461	0.662	0.224	1.05E-146	0
Cyfip1	5.68E-151	0.487	0.757	0.285	1.41E-146	0
Nrp2	8.62E-151	0.335	0.569	0.161	2.14E-146	0
Cyp4v3	1.33E-150	0.321	0.329	0.059	3.30E-146	0
Cd151	1.44E-150	0.326	0.382	0.079	3.57E-146	0
Eno1b	1.71E-150	0.595	0.773	0.311	4.25E-146	0
Tns3	2.58E-150	0.384	0.619	0.192	6.40E-146	0
Pla2g7	1.30E-149	0.342	0.768	0.293	3.24E-145	0
Tnfrsf21	1.90E-149	0.331	0.445	0.108	4.73E-145	0
Soat1	1.95E-149	0.704	0.84	0.394	4.84E-145	0
Ap1s1	2.45E-149	0.316	0.456	0.115	6.08E-145	0
Pdgfa	3.22E-149	0.482	0.357	0.071	8.00E-145	0
Lrpap1	1.58E-148	0.417	0.545	0.158	3.93E-144	0
Lyz1	4.54E-147	1.205	0.304	0.052	1.13E-142	0
Hmox1	4.75E-147	1.006	0.95	0.47	1.18E-142	0
Pgm2	5.10E-147	0.408	0.492	0.134	1.27E-142	0
Man2b2	1.49E-146	0.342	0.452	0.114	3.71E-142	0
Tns1	6.56E-146	0.321	0.365	0.073	1.63E-141	0
Snx2	9.52E-146	0.622	0.827	0.35	2.37E-141	0
Etfa	1.67E-145	0.441	0.646	0.221	4.14E-141	0
Ndufc1	4.81E-145	0.518	0.718	0.271	1.19E-140	0
Ifi27	7.84E-145	0.358	0.51	0.14	1.95E-140	0
Gde1	4.22E-144	0.452	0.676	0.237	1.05E-139	0
Abcd3	5.13E-144	0.271	0.324	0.059	1.27E-139	0
Lamp2	1.76E-143	0.635	0.948	0.524	4.37E-139	0
Sdf2l1	1.78E-143	0.731	0.683	0.269	4.41E-139	0
Cpd	9.52E-143	0.448	0.554	0.167	2.36E-138	0
4931406C07Rik	1.20E-142	0.350	0.359	0.075	2.99E-138	0
Vdac2	1.84E-142	0.689	0.913	0.493	4.57E-138	0
Pid1	2.00E-142	0.494	0.698	0.249	4.96E-138	0
Flrt2	4.50E-142	0.366	0.28	0.043	1.12E-137	0
Peal5a	7.33E-142	0.507	0.664	0.237	1.82E-137	0
Cd300a	1.08E-141	0.453	0.682	0.24	2.67E-137	0
Gm36161	1.36E-141	0.362	0.402	0.092	3.39E-137	0
Ptptra	1.87E-141	0.408	0.585	0.187	4.65E-137	0
Snx24	2.11E-141	0.256	0.288	0.047	5.24E-137	0
1500011K16Rik	4.63E-141	0.296	0.397	0.091	1.15E-136	0
Pdia6	4.91E-141	0.730	0.855	0.414	1.22E-136	0
Esd	1.88E-140	0.886	0.893	0.473	4.67E-136	0
Samd8	2.14E-140	0.449	0.617	0.205	5.32E-136	0
Enpp1	2.41E-140	0.285	0.284	0.046	5.99E-136	0
Lgals1	2.76E-140	0.858	0.982	0.65	6.85E-136	0
Vim	5.12E-140	0.796	0.998	0.841	1.27E-135	0

Atp6v1c1	7.57E-140	0.504	0.843	0.359	1.88E-135	0
Plin2	9.84E-140	0.700	0.981	0.554	2.44E-135	0
Mfsd12	1.13E-139	0.363	0.474	0.128	2.80E-135	0
Cfp	1.48E-139	0.599	0.817	0.324	3.68E-135	0
Cd81	1.55E-139	0.712	0.556	0.18	3.85E-135	0
Lonrf3	1.63E-139	0.293	0.338	0.066	4.04E-135	0
Chmp5	2.82E-139	0.437	0.732	0.28	7.01E-135	0
Rnf150	7.78E-139	0.300	0.312	0.056	1.93E-134	0
Abcg1	2.16E-138	0.496	0.68	0.245	5.37E-134	0
Pgd	2.32E-138	0.600	0.81	0.355	5.76E-134	0
Ckap4	2.67E-138	0.409	0.592	0.191	6.63E-134	0
Rab3il1	5.03E-138	0.360	0.463	0.122	1.25E-133	0
Znhit1	7.54E-138	0.402	0.677	0.242	1.87E-133	0
Ppp1r14b	8.22E-138	0.474	0.707	0.269	2.04E-133	0
Tmem50a	4.60E-137	0.600	0.919	0.484	1.14E-132	0
Amdhd2	4.93E-137	0.313	0.557	0.171	1.22E-132	0
Hibadh	1.15E-136	0.317	0.458	0.123	2.85E-132	0
Scoc	1.76E-136	0.455	0.424	0.11	4.38E-132	0
Creb5	2.31E-136	0.334	0.549	0.161	5.74E-132	0
Rhob	2.85E-136	0.699	0.91	0.468	7.07E-132	0
Cmtm3	3.93E-136	0.447	0.787	0.314	9.75E-132	0
Commd10	4.48E-136	0.330	0.433	0.113	1.11E-131	0
Atp6v1b2	5.13E-136	0.667	0.96	0.56	1.27E-131	0
Gng2	5.15E-136	0.493	0.75	0.294	1.28E-131	0
Mgrn1	1.04E-135	0.327	0.577	0.183	2.58E-131	0
Ugp2	1.27E-135	0.429	0.63	0.218	3.16E-131	0
Lap3	1.70E-135	0.392	0.447	0.121	4.21E-131	0
Bet1	2.03E-135	0.287	0.405	0.098	5.05E-131	0
Stx7	3.56E-135	0.509	0.839	0.368	8.83E-131	0
Shtn1	4.57E-134	0.413	0.491	0.142	1.13E-129	0
Tmem219	1.00E-133	0.350	0.576	0.185	2.48E-129	0
Gys1	1.60E-133	0.346	0.322	0.063	3.96E-129	0
Gba	1.62E-133	0.326	0.594	0.195	4.02E-129	0
Txndc17	2.02E-133	0.462	0.776	0.32	5.02E-129	0
Ccl2	5.93E-133	0.671	0.688	0.256	1.47E-128	0
Spg21	7.84E-133	0.493	0.749	0.304	1.95E-128	0
Rsu1	1.31E-132	0.444	0.763	0.314	3.25E-128	0
Lima1	2.94E-132	0.324	0.483	0.136	7.30E-128	0
Cenpb	4.97E-132	0.402	0.542	0.168	1.24E-127	0
Rasgef1b	7.11E-132	0.510	0.539	0.169	1.77E-127	0
Vma21	8.97E-132	0.452	0.559	0.185	2.23E-127	0
Cln8	1.38E-131	0.374	0.72	0.261	3.43E-127	0
Stom	3.15E-131	0.348	0.673	0.234	7.83E-127	0
Pparg	5.34E-131	0.310	0.346	0.072	1.33E-126	0
Ncstn	1.11E-130	0.404	0.714	0.277	2.75E-126	0
Prune2	1.56E-130	0.284	0.272	0.046	3.87E-126	0



Ano6	1.84E-130	0.340	0.597	0.199	4.58E-126	0
Slc7a7	2.11E-130	0.287	0.368	0.084	5.25E-126	0
Gpr137b	2.64E-130	0.612	0.703	0.273	6.56E-126	0
Kdelr1	6.23E-130	0.445	0.718	0.28	1.55E-125	0
Gsn	6.88E-130	0.384	0.738	0.279	1.71E-125	0
Laptm4a	1.01E-129	0.657	0.968	0.602	2.51E-125	0
Mocs2	2.32E-129	0.312	0.445	0.121	5.76E-125	0
Cd200r1	2.76E-129	0.268	0.31	0.06	6.85E-125	0
Slc29a1	3.76E-129	0.372	0.457	0.127	9.34E-125	0
Rab5c	4.00E-129	0.612	0.941	0.538	9.93E-125	0
Bsg	8.28E-129	0.695	0.914	0.498	2.06E-124	0
Wdfy3	8.61E-129	0.292	0.454	0.123	2.14E-124	0
Fkbp2	8.92E-129	0.454	0.683	0.262	2.22E-124	0
Srd5a3	1.06E-128	0.305	0.454	0.127	2.64E-124	0
Gnpda1	1.24E-128	0.380	0.592	0.2	3.07E-124	0
Cenpx	1.41E-128	0.355	0.544	0.173	3.51E-124	0
P2ry6	1.83E-128	0.270	0.402	0.099	4.55E-124	0
Rin2	3.29E-128	0.295	0.401	0.099	8.16E-124	0
Pla2g15	4.70E-128	0.260	0.357	0.079	1.17E-123	0
Mfsd1	7.33E-128	0.521	0.798	0.347	1.82E-123	0
Acp1	8.63E-128	0.373	0.589	0.198	2.14E-123	0
Ufsp2	9.71E-128	0.330	0.484	0.143	2.41E-123	0
Dync1i2	2.70E-127	0.539	0.902	0.458	6.72E-123	0
Gas6	6.31E-127	0.401	0.294	0.053	1.57E-122	0
Ccl6	8.80E-127	0.854	0.9	0.47	2.19E-122	0
Snx3	9.53E-127	0.686	0.961	0.618	2.37E-122	0
Fuca2	2.35E-126	0.284	0.587	0.196	5.84E-122	0
Tmem9b	3.74E-126	0.342	0.564	0.189	9.30E-122	0
Arhgap19	4.24E-126	0.308	0.26	0.044	1.05E-121	0
Lrrc25	5.40E-126	0.344	0.648	0.226	1.34E-121	0
Hvcn1	1.06E-125	0.252	0.291	0.054	2.63E-121	0
Gapdh	1.57E-125	0.810	0.999	0.918	3.89E-121	0
Ms4a6c	2.17E-125	0.700	0.858	0.398	5.40E-121	0
Igf2bp2	4.33E-125	0.376	0.251	0.039	1.08E-120	0
Vps35	5.60E-125	0.514	0.802	0.36	1.39E-120	0
Pilra	6.99E-125	0.413	0.459	0.127	1.74E-120	0
Ccl7	8.96E-125	0.752	0.486	0.146	2.23E-120	0
Slc25a39	1.01E-124	0.292	0.5	0.153	2.50E-120	0
Rab7b	1.59E-124	0.370	0.842	0.342	3.94E-120	0
Cxcl16	2.30E-124	0.505	0.771	0.321	5.70E-120	0
Nfic	2.48E-124	0.495	0.657	0.248	6.17E-120	0
Ehd4	2.72E-124	0.561	0.814	0.376	6.74E-120	0
Cstb	6.53E-124	0.485	0.993	0.757	1.62E-119	0
Pon2	8.32E-124	0.367	0.606	0.216	2.07E-119	0
Tbc1d22a	1.12E-123	0.324	0.533	0.17	2.79E-119	0
Stx4a	3.31E-123	0.360	0.655	0.244	8.23E-119	0

Trappc1	3.90E-123	0.383	0.61	0.217	9.70E-119	0
F13a1	4.35E-123	0.722	0.584	0.205	1.08E-118	0
Pira2	5.11E-123	0.374	0.5	0.155	1.27E-118	0
Lamtor2	6.01E-123	0.309	0.528	0.17	1.49E-118	0
Ndufab1	1.46E-122	0.435	0.772	0.317	3.62E-118	0
Tmco1	1.54E-122	0.403	0.609	0.215	3.83E-118	0
Scamp1	1.78E-122	0.251	0.443	0.122	4.43E-118	0
Fam162a	5.55E-122	0.401	0.521	0.171	1.38E-117	0
Capns1	1.10E-121	0.531	0.873	0.438	2.73E-117	0
Adam9	1.35E-121	0.478	0.732	0.301	3.35E-117	0
S1pr2	2.95E-121	0.281	0.365	0.087	7.32E-117	0
Sdcbp	1.84E-120	0.528	0.995	0.783	4.56E-116	0
Cmklr1	2.03E-120	0.280	0.388	0.096	5.03E-116	0
Lhfpl2	5.21E-120	0.430	0.756	0.314	1.29E-115	0
Tmed3	5.62E-120	0.368	0.576	0.201	1.40E-115	0
Qdpr	6.86E-120	0.317	0.471	0.143	1.70E-115	0
Snx12	7.03E-120	0.302	0.521	0.168	1.75E-115	0
Sh3bgr1	1.72E-119	0.641	0.883	0.448	4.28E-115	0
Ap2m1	3.21E-119	0.633	0.943	0.569	7.97E-115	0
Krcc1	3.48E-119	0.379	0.601	0.218	8.66E-115	0
Maf	4.69E-119	0.443	0.791	0.34	1.17E-114	0
1810058I24Rik	6.43E-119	0.406	0.715	0.29	1.60E-114	0
Slirp	1.13E-118	0.350	0.615	0.218	2.81E-114	0
Bst1	3.38E-118	0.414	0.479	0.146	8.40E-114	0
Mrpl42	3.39E-118	0.384	0.641	0.235	8.43E-114	0
Idh2	8.06E-118	0.277	0.41	0.109	2.00E-113	0
Pianp	2.92E-117	0.458	0.26	0.047	7.25E-113	0
Mlf2	3.00E-117	0.520	0.847	0.419	7.45E-113	0
Ddost	3.95E-117	0.490	0.771	0.337	9.80E-113	0
Ube2q2	5.00E-117	0.334	0.474	0.145	1.24E-112	0
Ggh	7.83E-117	0.272	0.468	0.142	1.95E-112	0
Scp2	1.07E-116	0.468	0.795	0.348	2.66E-112	0
Bri3	1.52E-116	0.384	0.826	0.367	3.77E-112	0
Fcgr1	3.21E-116	0.373	0.701	0.265	7.99E-112	0
Gusb	3.30E-116	0.530	0.733	0.32	8.20E-112	0
Stard3nl	3.56E-116	0.325	0.562	0.192	8.84E-112	0
Myo1f	4.05E-116	0.373	0.646	0.248	1.01E-111	0
Dtnbp1	6.40E-116	0.285	0.529	0.174	1.59E-111	0
Chmp3	6.42E-116	0.351	0.633	0.237	1.60E-111	0
Fuca1	6.72E-116	0.350	0.653	0.249	1.67E-111	0
Mif	7.22E-116	0.701	0.875	0.465	1.79E-111	0
Mafb	9.23E-116	0.445	0.84	0.358	2.29E-111	0
Uqcr11	1.26E-115	0.448	0.744	0.315	3.14E-111	0
Lamtor3	1.26E-115	0.311	0.673	0.256	3.14E-111	0
Acvrl1	1.32E-115	0.338	0.444	0.13	3.28E-111	0
Spryd7	1.41E-115	0.258	0.418	0.114	3.50E-111	0

Pgk1	1.49E-115	0.950	0.969	0.674	3.70E-111	0
Cuedc2	2.13E-115	0.258	0.464	0.14	5.29E-111	0
Fam96a	2.46E-115	0.445	0.706	0.289	6.12E-111	0
Arl1	4.12E-115	0.405	0.739	0.308	1.02E-110	0
9530068E07Rik	4.73E-115	0.339	0.67	0.259	1.18E-110	0
Ndufc2	5.89E-115	0.440	0.77	0.326	1.46E-110	0
Abhd4	1.31E-114	0.274	0.372	0.096	3.26E-110	0
Sypl	1.40E-114	0.374	0.712	0.291	3.48E-110	0
Glul	1.87E-114	0.801	0.899	0.508	4.64E-110	0
Gpt2	2.84E-114	0.295	0.262	0.049	7.05E-110	0
Mtch2	2.85E-114	0.349	0.704	0.281	7.07E-110	0
Fads1	4.91E-114	0.306	0.334	0.08	1.22E-109	0
Rpn2	6.08E-114	0.468	0.709	0.293	1.51E-109	0
Cd48	7.47E-114	0.423	0.735	0.305	1.86E-109	0
Vapb	7.74E-114	0.357	0.658	0.256	1.92E-109	0
Erp29	1.25E-113	0.539	0.809	0.39	3.12E-109	0
Cyb5r3	1.26E-113	0.384	0.632	0.238	3.12E-109	0
Uqcrb	1.62E-113	0.567	0.93	0.511	4.01E-109	0
Magt1	1.96E-113	0.508	0.751	0.331	4.87E-109	0
Odr4	2.57E-113	0.293	0.42	0.121	6.38E-109	0
Gngt2	2.58E-113	0.304	0.464	0.139	6.40E-109	0
Mindy2	3.53E-113	0.286	0.526	0.175	8.77E-109	0
Hcfc1r1	4.74E-113	0.366	0.647	0.249	1.18E-108	0
Ndufs5	6.41E-113	0.432	0.69	0.287	1.59E-108	0
Hsbp1	7.45E-113	0.383	0.738	0.306	1.85E-108	0
Atpif1	8.93E-113	0.567	0.849	0.412	2.22E-108	0
Kif3a	1.04E-112	0.320	0.433	0.126	2.59E-108	0
Tnfaip2	3.71E-112	0.301	0.685	0.268	9.22E-108	0
Psm8	4.03E-112	0.622	0.855	0.439	1.00E-107	0
Plod3	6.79E-112	0.265	0.448	0.133	1.69E-107	0
Mrpl23	7.21E-112	0.318	0.541	0.186	1.79E-107	0
Fem1b	8.99E-112	0.459	0.558	0.205	2.23E-107	0
Ntper	1.06E-111	0.331	0.343	0.086	2.63E-107	0
Mospd2	1.82E-111	0.281	0.476	0.149	4.52E-107	0
Ndufb8	2.71E-111	0.317	0.523	0.178	6.74E-107	0
Commd3	3.96E-111	0.284	0.521	0.175	9.83E-107	0
Npc1	4.60E-111	0.311	0.771	0.324	1.14E-106	0
Mtpn	7.33E-111	0.637	0.91	0.53	1.82E-106	0
Mdfic	8.85E-111	0.303	0.618	0.227	2.20E-106	0
Pqlc3	1.47E-110	0.260	0.444	0.135	3.66E-106	0
Hist1h2bc	2.86E-110	0.571	0.608	0.236	7.11E-106	0
Dusp3	3.46E-110	0.409	0.745	0.312	8.58E-106	0
Washc3	4.12E-110	0.291	0.415	0.121	1.02E-105	0
Ahcy11	4.28E-110	0.327	0.506	0.172	1.06E-105	0
Sumf1	5.37E-110	0.272	0.389	0.108	1.34E-105	0
BC031181	7.30E-110	0.375	0.756	0.32	1.81E-105	0

Emc7	8.49E-110	0.427	0.748	0.325	2.11E-105	0
G6pdx	1.23E-109	0.254	0.521	0.171	3.05E-105	0
Cttnbp2nl	1.34E-109	0.342	0.535	0.184	3.32E-105	0
Gyg	1.93E-109	0.514	0.644	0.262	4.81E-105	0
Galnt7	2.22E-109	0.301	0.41	0.12	5.52E-105	0
Tpd52	3.72E-109	0.484	0.97	0.574	9.25E-105	0
Nmt1	5.29E-109	0.391	0.782	0.348	1.31E-104	0
Itgax	8.16E-109	0.676	0.534	0.196	2.03E-104	0
Ndufa12	9.91E-109	0.404	0.726	0.302	2.46E-104	0
Itgb1	1.05E-108	0.587	0.903	0.508	2.60E-104	0
Ergic3	2.39E-108	0.333	0.562	0.205	5.94E-104	0
Rcan1	2.44E-108	0.279	0.305	0.069	6.06E-104	0
Cotl1	3.49E-108	0.621	0.955	0.64	8.67E-104	0
Cat	1.21E-107	0.319	0.475	0.155	3.00E-103	0
Ldha	1.41E-107	0.729	0.966	0.671	3.50E-103	0
Gabarap	2.07E-107	0.532	0.997	0.821	5.15E-103	0
Rnpep	2.90E-107	0.285	0.52	0.177	7.20E-103	0
Sdc4	5.50E-107	0.592	0.888	0.445	1.37E-102	0
Nek7	1.15E-106	0.312	0.627	0.243	2.87E-102	0
Adh5	1.41E-106	0.357	0.513	0.177	3.51E-102	0
Eid1	2.21E-106	0.509	0.801	0.379	5.50E-102	0
Dbi	6.90E-106	0.643	0.893	0.499	1.71E-101	0
Itgam	8.04E-106	0.490	0.867	0.412	2.00E-101	0
Tmem171	1.21E-105	0.259	0.34	0.085	3.00E-101	0
Cyb5r1	1.92E-105	0.265	0.37	0.102	4.76E-101	0
Ap3s1	2.46E-105	0.372	0.765	0.338	6.11E-101	0
Pebp1	3.97E-105	0.360	0.73	0.305	9.85E-101	0
Fth1	5.13E-105	0.337	0.999	0.981	1.27E-100	0
Anxa2	9.12E-105	0.769	0.975	0.665	2.26E-100	0
Gm3839	1.26E-104	0.409	0.745	0.33	3.12E-100	0
Cops9	1.66E-104	0.438	0.809	0.388	4.13E-100	0
Coro1c	3.16E-104	0.412	0.818	0.386	7.85E-100	0
Washc5	3.76E-104	0.301	0.56	0.207	9.33E-100	0
Hgsnat	4.03E-104	0.370	0.468	0.152	1.00E-99	0
Aif1	4.23E-104	0.617	0.744	0.341	1.05E-99	0
Klf4	6.26E-104	0.723	0.907	0.561	1.56E-99	0
Sirt2	1.05E-103	0.329	0.765	0.331	2.61E-99	0
Spcs1	1.10E-103	0.454	0.783	0.364	2.73E-99	0
Ugdh	1.14E-103	0.284	0.497	0.17	2.84E-99	0
Gclm	1.18E-103	0.383	0.626	0.246	2.94E-99	0
Ang	2.38E-103	0.255	0.26	0.053	5.92E-99	0
Dnajc19	2.46E-103	0.251	0.446	0.14	6.11E-99	0
Dnajc15	2.64E-103	0.316	0.611	0.234	6.56E-99	0
Fundc2	4.37E-103	0.323	0.643	0.251	1.09E-98	0
Rpn1	4.42E-103	0.402	0.626	0.252	1.10E-98	0
Mettl9	5.58E-103	0.268	0.465	0.153	1.39E-98	0

Prelid2	9.37E-103	0.388	0.34	0.092	2.33E-98	0
Hpse	3.72E-102	0.254	0.343	0.089	9.23E-98	0
Tspan31	5.64E-102	0.254	0.539	0.191	1.40E-97	0
Fcgrt	6.53E-102	0.264	0.496	0.169	1.62E-97	0
Clec4b1	7.81E-102	0.374	0.291	0.068	1.94E-97	0
Ndufa8	9.31E-102	0.255	0.46	0.15	2.31E-97	0
Man2b1	1.26E-101	0.613	0.725	0.339	3.12E-97	0
Metrl	2.69E-101	0.407	0.804	0.372	6.67E-97	0
P2ry10b	3.32E-101	0.269	0.401	0.117	8.25E-97	0
Rabac1	6.00E-101	0.310	0.758	0.335	1.49E-96	0
Sgk1	8.23E-101	0.630	0.653	0.278	2.04E-96	0
Kcnab2	1.40E-100	0.268	0.494	0.169	3.49E-96	0
Stt3b	1.50E-100	0.308	0.663	0.268	3.73E-96	0
Ndufa9	2.01E-100	0.306	0.565	0.208	4.99E-96	0
Aplp2	2.06E-100	0.504	0.826	0.418	5.12E-96	0
Fam129b	2.84E-100	0.449	0.904	0.467	7.05E-96	0
Reep5	5.23E-100	0.565	0.933	0.551	1.30E-95	0
Prkacb	7.09E-100	0.313	0.566	0.212	1.76E-95	0
Cpt1a	7.64E-100	0.284	0.677	0.277	1.90E-95	0
Lgals9	1.15E-99	0.319	0.713	0.303	2.86E-95	0
Lacc1	1.44E-99	0.271	0.46	0.151	3.58E-95	0
Hprt	7.41E-99	0.374	0.774	0.34	1.84E-94	0
Nceh1	7.75E-99	0.272	0.714	0.296	1.92E-94	0
Tmem59	1.09E-98	0.385	0.815	0.386	2.72E-94	0
Prdx4	3.48E-98	0.256	0.376	0.11	8.66E-94	0
Dap	4.04E-98	0.329	0.688	0.294	1.00E-93	0
Rtn4	4.81E-98	0.513	0.931	0.566	1.19E-93	0
Ndufv3	6.39E-98	0.430	0.823	0.4	1.59E-93	0
5031439G07Rik	6.87E-98	0.304	0.794	0.352	1.71E-93	0
Hsp90b1	8.01E-98	0.688	0.978	0.752	1.99E-93	0
Cbr2	8.02E-98	0.277	0.326	0.084	1.99E-93	0
Socs6	8.55E-98	0.282	0.437	0.14	2.12E-93	0
Naa50	8.56E-98	0.456	0.879	0.453	2.13E-93	0
Glr3	1.85E-97	0.346	0.684	0.288	4.61E-93	0
Mcub	1.98E-97	0.282	0.479	0.163	4.92E-93	0
Tmem258	3.63E-97	0.465	0.864	0.437	9.01E-93	0
Sgpp1	4.23E-97	0.277	0.36	0.104	1.05E-92	0
Rexo2	4.74E-97	0.373	0.698	0.303	1.18E-92	0
Bag3	6.76E-97	0.408	0.774	0.362	1.68E-92	0
Calu	6.80E-97	0.345	0.645	0.273	1.69E-92	0
Rragc	7.89E-97	0.392	0.841	0.427	1.96E-92	0
Ccl12	2.33E-96	1.186	0.317	0.085	5.80E-92	0
Cyb5a	3.06E-96	0.445	0.739	0.33	7.59E-92	0
Pfdn1	5.76E-96	0.283	0.548	0.204	1.43E-91	0
Egln1	6.24E-96	0.426	0.622	0.261	1.55E-91	0
Slc25a11	8.45E-96	0.265	0.575	0.218	2.10E-91	0

Anxa7	1.00E-95	0.302	0.625	0.252	2.49E-91	0
Clec4n	1.63E-95	0.474	0.571	0.221	4.05E-91	0
Spcs2	2.28E-95	0.461	0.839	0.421	5.66E-91	0
Arl8a	3.66E-95	0.294	0.752	0.338	9.09E-91	0
Rab32	3.84E-95	0.253	0.577	0.219	9.53E-91	0
Gng5	3.98E-95	0.504	0.964	0.613	9.88E-91	0
Bola2	4.08E-95	0.275	0.505	0.181	1.01E-90	0
H2-M3	6.95E-95	0.285	0.479	0.168	1.73E-90	0
Nptn	9.24E-95	0.398	0.868	0.434	2.29E-90	0
Mydgf	1.41E-94	0.273	0.552	0.211	3.50E-90	0
Gsk3b	1.43E-94	0.352	0.814	0.389	3.55E-90	0
Rassf4	2.43E-94	0.278	0.448	0.149	6.03E-90	0
Pycard	4.63E-94	0.392	0.557	0.219	1.15E-89	0
Ndufa5	6.55E-94	0.260	0.482	0.17	1.63E-89	0
Ap2a2	9.59E-94	0.278	0.566	0.216	2.38E-89	0
Bscl2	1.11E-93	0.266	0.588	0.231	2.75E-89	0
Igfbp4	1.62E-93	0.295	0.272	0.063	4.03E-89	0
Sft2d1	1.67E-93	0.260	0.579	0.225	4.14E-89	0
Snx9	4.55E-93	0.413	0.79	0.382	1.13E-88	0
Gas2l3	7.08E-93	0.267	0.701	0.291	1.76E-88	0
Srp14	8.59E-93	0.271	0.696	0.301	2.13E-88	0
Bcap31	1.34E-92	0.371	0.714	0.318	3.32E-88	0
Aph1a	1.53E-92	0.284	0.678	0.283	3.79E-88	0
Hipk2	1.76E-92	0.302	0.418	0.137	4.36E-88	0
1110004F10Rik	2.10E-92	0.325	0.683	0.292	5.21E-88	0
Rrbp1	2.24E-92	0.490	0.967	0.64	5.58E-88	0
Cmpk1	2.31E-92	0.390	0.809	0.397	5.74E-88	0
Atp6v1h	3.16E-92	0.273	0.829	0.4	7.85E-88	0
Sars	1.21E-91	0.334	0.646	0.27	3.02E-87	0
Polr2g	1.61E-91	0.252	0.611	0.241	4.00E-87	0
Sgta	1.86E-91	0.251	0.585	0.228	4.62E-87	0
Ap2s1	3.33E-91	0.255	0.706	0.302	8.26E-87	0
Ndufv2	7.21E-91	0.336	0.686	0.295	1.79E-86	0
Hsd17b4	1.34E-90	0.261	0.44	0.152	3.33E-86	0
Otulinl	2.49E-90	0.323	0.451	0.159	6.18E-86	0
Ak2	2.94E-90	0.339	0.772	0.355	7.30E-86	0
Rps6ka3	7.96E-90	0.254	0.59	0.234	1.98E-85	0
Tbca	9.32E-90	0.400	0.877	0.438	2.31E-85	0
Slc39a1	1.34E-89	0.361	0.749	0.347	3.33E-85	0
Ndufb3	1.45E-89	0.316	0.757	0.343	3.60E-85	0
Rgs10	1.96E-89	0.331	0.777	0.348	4.88E-85	0
Tyrobp	2.46E-89	0.557	0.98	0.668	6.12E-85	0
Dusp7	2.63E-89	0.254	0.443	0.151	6.53E-85	0
Ap3d1	2.68E-89	0.261	0.723	0.323	6.66E-85	0
Cops6	2.96E-89	0.299	0.612	0.251	7.36E-85	0
Cers2	1.35E-88	0.345	0.847	0.434	3.35E-84	0

2-Sep	1.52E-88	0.413	0.791	0.392	3.77E-84	0
Tmem165	1.75E-88	0.294	0.48	0.178	4.35E-84	0
Eaf1	3.56E-88	0.273	0.717	0.324	8.83E-84	0
Eps15	5.49E-88	0.266	0.568	0.226	1.36E-83	0
Serpine1	5.75E-88	0.315	0.267	0.064	1.43E-83	0
Ndufb4	6.32E-88	0.271	0.569	0.228	1.57E-83	0
Plk2	9.03E-88	0.315	0.546	0.216	2.24E-83	0
Usp14	9.61E-88	0.287	0.586	0.236	2.39E-83	0
Uqcrq	1.09E-87	0.423	0.865	0.447	2.72E-83	0
Clta	1.99E-87	0.485	0.961	0.624	4.94E-83	0
Ndufa7	4.33E-87	0.386	0.807	0.404	1.08E-82	0
Aldh9a1	4.38E-87	0.295	0.611	0.256	1.09E-82	0
Nucb1	6.35E-87	0.377	0.836	0.419	1.58E-82	0
Os9	1.27E-86	0.346	0.784	0.382	3.15E-82	0
Ndufa10	1.47E-86	0.293	0.656	0.28	3.66E-82	0
Man2a1	2.81E-86	0.322	0.699	0.316	6.99E-82	0
Aco2	3.96E-86	0.269	0.609	0.248	9.83E-82	0
Sh3glb1	6.84E-86	0.520	0.951	0.605	1.70E-81	0
Nras	7.08E-86	0.351	0.807	0.4	1.76E-81	0
Hbegf	2.79E-85	0.463	0.423	0.146	6.94E-81	0
Rnf5	3.86E-85	0.260	0.453	0.165	9.59E-81	0
Akr1b3	5.01E-85	0.303	0.674	0.292	1.25E-80	0
Mrps14	7.52E-85	0.255	0.539	0.21	1.87E-80	0
Gm2a	1.14E-84	0.453	0.965	0.589	2.83E-80	0
Hsd17b12	1.88E-84	0.358	0.753	0.353	4.66E-80	0
Wbp2	2.52E-84	0.320	0.796	0.386	6.25E-80	0
Gsto1	2.78E-84	0.268	0.7	0.316	6.89E-80	0
Atp6v1d	5.64E-84	0.328	0.837	0.431	1.40E-79	0
Atp5g2	7.13E-84	0.510	0.952	0.574	1.77E-79	0
Bin1	1.17E-83	0.283	0.577	0.235	2.91E-79	0
Rnf7	1.20E-83	0.279	0.719	0.325	2.99E-79	0
Ndufb6	2.08E-83	0.291	0.686	0.302	5.17E-79	0
Atp5mpl	2.60E-83	0.360	0.818	0.401	6.47E-79	0
Slc6a6	5.53E-83	0.435	0.896	0.522	1.37E-78	0
Ola1	7.13E-83	0.279	0.608	0.256	1.77E-78	0
Hspa9	7.65E-83	0.343	0.753	0.353	1.90E-78	0
Ssr4	8.36E-83	0.358	0.777	0.379	2.08E-78	0
Wdr83os	2.07E-82	0.282	0.73	0.337	5.15E-78	0
Ybx1	2.48E-82	0.518	0.98	0.744	6.17E-78	0
Mmp19	4.56E-82	0.298	0.66	0.292	1.13E-77	0
Cope	1.52E-81	0.253	0.659	0.29	3.77E-77	0
Psm1	1.91E-81	0.279	0.623	0.269	4.75E-77	0
Cysl1	3.09E-81	0.253	0.337	0.103	7.68E-77	0
Dynlrb1	4.22E-81	0.340	0.836	0.414	1.05E-76	0
Slc25a4	4.80E-81	0.335	0.676	0.304	1.19E-76	0
Scarb2	6.36E-81	0.284	0.661	0.293	1.58E-76	0

Hint1	7.61E-81	0.416	0.825	0.414	1.89E-76	0
Ostc	8.74E-81	0.279	0.723	0.33	2.17E-76	0
Ppib	9.08E-81	0.320	0.762	0.357	2.26E-76	0
Fn1	5.32E-80	0.988	0.415	0.154	1.32E-75	0
Lmnb1	6.02E-80	-1.650	0.603	0.666	1.49E-75	0
Metap2	9.23E-80	0.305	0.815	0.402	2.29E-75	0
Creld2	1.72E-79	0.332	0.546	0.228	4.28E-75	0
Spcs3	2.61E-79	0.283	0.566	0.236	6.48E-75	0
Glg1	2.83E-79	0.285	0.694	0.326	7.04E-75	0
Adam8	4.73E-79	0.489	0.916	0.622	1.17E-74	0
Prdx5	5.49E-79	0.320	0.922	0.527	1.36E-74	0
Nme1	5.75E-79	0.335	0.743	0.355	1.43E-74	0
Gpi1	6.20E-79	0.547	0.921	0.58	1.54E-74	0
Sptlc2	5.76E-78	0.257	0.699	0.324	1.43E-73	0
Ucp2	6.24E-78	0.644	0.969	0.757	1.55E-73	0
Coa5	1.05E-77	0.266	0.612	0.269	2.61E-73	0
Vapa	4.00E-77	0.409	0.924	0.561	9.93E-73	0
Pld4	4.27E-77	0.409	0.691	0.325	1.06E-72	0
Sdhd	4.31E-77	0.262	0.669	0.301	1.07E-72	0
Map2k1	4.70E-77	0.251	0.774	0.373	1.17E-72	0
Atf3	4.91E-77	0.254	0.813	0.413	1.22E-72	0
Ociad1	8.50E-77	0.296	0.812	0.404	2.11E-72	0
Atp6v0b	8.60E-77	0.283	0.91	0.515	2.14E-72	0
Sdhd	2.07E-76	0.311	0.792	0.394	5.14E-72	0
Psm2	2.22E-76	0.290	0.743	0.357	5.52E-72	0
Tgfb1	1.08E-75	0.384	0.845	0.449	2.69E-71	0
Hmgn1	2.29E-75	0.307	0.609	0.269	5.69E-71	0
1810022K09Rik	2.63E-75	0.286	0.672	0.303	6.54E-71	0
Bnip3l	3.95E-75	0.303	0.749	0.381	9.80E-71	0
Tfg	4.19E-75	0.274	0.681	0.314	1.04E-70	0
Ms4a8a	7.65E-75	0.541	0.327	0.107	1.90E-70	0
Vamp8	8.65E-75	0.303	0.827	0.427	2.15E-70	0
Osbpl8	1.17E-74	0.380	0.831	0.458	2.90E-70	0
Pkm	1.52E-74	0.566	0.988	0.818	3.77E-70	0
Atp6ap2	2.35E-74	0.444	0.934	0.587	5.83E-70	0
Zfand5	3.01E-74	0.394	0.936	0.634	7.47E-70	0
P2ry10	5.05E-73	-1.464	0.062	0.321	1.25E-68	0
Atp5g1	6.73E-73	0.384	0.834	0.453	1.67E-68	0
Brk1	7.58E-73	0.326	0.833	0.439	1.88E-68	0
Tceal9	8.02E-73	0.303	0.723	0.353	1.99E-68	0
Tmem14c	9.14E-73	0.321	0.799	0.406	2.27E-68	0
Atp6v0e	9.64E-73	0.372	0.948	0.627	2.39E-68	0
Impdh1	1.76E-72	0.301	0.489	0.199	4.37E-68	0
Bnip2	2.83E-72	0.298	0.744	0.377	7.02E-68	0
Tkt	2.92E-72	0.326	0.8	0.412	7.26E-68	0
Arrb2	5.88E-72	0.274	0.688	0.326	1.46E-67	0



Scd2	7.10E-72	0.293	0.458	0.185	1.76E-67	0
Txn1	2.07E-71	0.542	0.984	0.801	5.14E-67	0
Sdc1	1.34E-70	0.384	0.289	0.088	3.32E-66	0
Rala	1.49E-70	0.294	0.737	0.355	3.71E-66	0
Psmc7	1.80E-70	0.267	0.715	0.344	4.48E-66	0
Pdia3	4.01E-70	0.513	0.919	0.61	9.95E-66	0
Ssr2	6.29E-70	0.294	0.727	0.351	1.56E-65	0
Galnt1	7.69E-70	0.265	0.668	0.312	1.91E-65	0
Swi5	1.11E-69	0.302	0.75	0.365	2.75E-65	0
Tsc22d3	1.30E-69	0.308	0.725	0.36	3.22E-65	0
Arhgdia	1.54E-69	0.454	0.976	0.673	3.84E-65	0
Gpr132	3.30E-69	-1.484	0.466	0.596	8.18E-65	0
Cfl1	5.91E-69	0.386	1	0.958	1.47E-64	0
Cbl	2.68E-68	0.259	0.752	0.384	6.66E-64	0
Ost4	2.94E-68	0.351	0.896	0.519	7.31E-64	0
Coro1b	5.76E-68	0.254	0.67	0.314	1.43E-63	0
Ywhag	1.40E-67	0.322	0.871	0.48	3.47E-63	0
Ankrd37	1.63E-67	0.297	0.258	0.074	4.05E-63	0
Tmed9	1.80E-67	0.383	0.907	0.542	4.46E-63	0
Psmc6	2.46E-67	0.265	0.75	0.374	6.10E-63	0
Manf	3.04E-67	0.440	0.838	0.479	7.54E-63	0
Preli1	1.75E-66	0.343	0.876	0.485	4.36E-62	0
Btg1	3.57E-66	-0.836	0.95	0.92	8.88E-62	0
Atp5c1	4.70E-66	0.281	0.771	0.381	1.17E-61	0
Canx	8.27E-66	0.454	0.949	0.625	2.05E-61	0
H1f0	8.35E-66	0.260	0.396	0.149	2.07E-61	0
M6pr	3.27E-65	0.374	0.918	0.571	8.13E-61	0
Lmna	6.69E-65	0.264	0.929	0.552	1.66E-60	0
Cox5a	8.42E-65	0.312	0.831	0.438	2.09E-60	0
Tubb6	2.06E-64	0.291	0.826	0.438	5.13E-60	0
P4hb	3.83E-64	0.370	0.953	0.663	9.52E-60	0
Rab14	4.05E-63	0.271	0.855	0.491	1.01E-58	0
Rbx1	5.05E-63	0.325	0.84	0.47	1.25E-58	0
Lrrc59	5.59E-63	0.269	0.674	0.332	1.39E-58	0
Atp5j	2.34E-62	0.335	0.84	0.458	5.81E-58	0
Atp5o	3.53E-62	0.329	0.861	0.474	8.78E-58	0
Krtcap2	2.02E-61	0.282	0.804	0.418	5.02E-57	0
Pfn1	3.04E-61	0.427	0.995	0.835	7.56E-57	0
Cox6a1	7.53E-61	0.396	0.946	0.625	1.87E-56	0
Ear2	9.51E-61	1.019	0.253	0.082	2.36E-56	0
Mxd1	2.60E-60	-1.423	0.673	0.698	6.45E-56	0
Srgn	4.35E-60	-1.021	0.986	0.957	1.08E-55	0
Fkbp1a	7.73E-60	0.303	0.878	0.493	1.92E-55	0
Arpc5	9.42E-60	0.372	0.972	0.727	2.34E-55	0
Dnajc3	1.05E-59	0.291	0.771	0.408	2.60E-55	0
Calr	3.01E-59	0.459	0.992	0.849	7.47E-55	0

Lcp1	7.50E-59	0.575	0.984	0.754	1.86E-54	0
Atp5f1	1.05E-58	0.271	0.835	0.446	2.60E-54	0
Cox7a2	1.40E-58	0.315	0.863	0.482	3.48E-54	0
Cox6b1	4.20E-58	0.417	0.95	0.638	1.04E-53	0
Qk	5.14E-58	0.272	0.863	0.498	1.28E-53	0
Cox7b	5.46E-58	0.319	0.884	0.505	1.36E-53	0
Atp5k	9.46E-58	0.298	0.838	0.464	2.35E-53	0
St13	3.57E-57	0.281	0.886	0.504	8.88E-53	0
Sh3bgrl3	4.63E-57	0.428	0.991	0.815	1.15E-52	0
Slc25a5	6.14E-57	0.411	0.956	0.639	1.53E-52	0
CD4-pAbO (Ab)	4.94E-56	-2.955	0.915	0.873	1.23E-51	0
Cox7c	5.64E-56	0.402	0.961	0.693	1.40E-51	0
Calm3	7.82E-55	0.278	0.775	0.411	1.94E-50	0
Psm4	1.38E-54	0.284	0.812	0.442	3.43E-50	0
Vps37b	1.81E-54	-1.512	0.577	0.635	4.49E-50	0
Cst3	1.96E-54	-0.568	0.999	0.753	4.87E-50	0
Csf2ra	2.65E-54	0.299	0.912	0.553	6.57E-50	0
Atp5g3	3.39E-54	0.362	0.95	0.616	8.42E-50	0
Samsn1	5.58E-54	-2.068	0.408	0.528	1.39E-49	0
Sgpl1	1.30E-53	0.259	0.894	0.544	3.22E-49	0
Prdx2	6.35E-53	0.261	0.862	0.483	1.58E-48	0
Vegfa	1.05E-52	0.258	0.666	0.361	2.62E-48	0
Slc2a1	1.21E-52	0.317	0.754	0.425	3.00E-48	0
Tomm7	4.91E-52	0.317	0.933	0.558	1.22E-47	0
Clec4d	9.08E-52	-0.739	0.733	0.364	2.25E-47	0
Il1r2	1.22E-51	-1.806	0.142	0.347	3.04E-47	0
Rab1a	4.29E-51	0.336	0.95	0.71	1.07E-46	0
Capzb	7.47E-51	0.347	0.979	0.742	1.85E-46	0
Traf1	1.97E-50	-1.309	0.233	0.41	4.90E-46	0
Tmed2	1.48E-48	0.323	0.93	0.615	3.67E-44	0
Serf2	1.77E-48	0.319	0.946	0.61	4.39E-44	0
Arpc2	8.95E-48	0.324	0.996	0.878	2.22E-43	0
Dusp5	1.16E-47	-0.957	0.8	0.759	2.88E-43	0
Gnb2	1.74E-47	0.250	0.887	0.523	4.33E-43	0
Capza2	2.64E-47	0.289	0.929	0.607	6.55E-43	0
Itgb2	3.43E-47	0.328	0.938	0.655	8.51E-43	0
Nr4a3	4.11E-47	-1.733	0.387	0.51	1.02E-42	0
Eif2s2	1.24E-46	0.305	0.935	0.593	3.07E-42	0
Selenon	1.60E-46	-0.254	0.312	0.118	3.98E-42	0
Ndufa2	1.66E-46	0.268	0.945	0.598	4.12E-42	0
Ppia	1.91E-46	0.330	0.993	0.784	4.74E-42	0
Fos	2.06E-46	0.373	0.869	0.568	5.13E-42	0
Ndufa1	3.08E-46	0.271	0.865	0.528	7.66E-42	0
Dct	7.02E-46	-0.390	0.282	0.106	1.74E-41	0
Gnai2	8.11E-46	0.351	0.983	0.764	2.01E-41	0
Cox6c	9.08E-46	0.332	0.958	0.648	2.26E-41	0

Emp3	2.93E-45	0.275	0.939	0.62	7.27E-41	0
Ddx5	9.16E-45	-0.492	0.979	0.951	2.27E-40	0
Fus	2.76E-44	-0.728	0.914	0.828	6.85E-40	0
Cox4i1	8.42E-44	0.343	0.961	0.667	2.09E-39	0
Pim1	9.44E-44	-0.800	0.96	0.931	2.35E-39	0
Plac8	1.19E-43	-1.784	0.151	0.339	2.95E-39	0
Ubb	3.30E-43	-0.567	0.997	0.98	8.19E-39	0
Kdm6b	5.83E-43	-1.074	0.842	0.804	1.45E-38	0
Rbm39	5.84E-43	-0.674	0.946	0.873	1.45E-38	0
Cytip	2.74E-42	-1.146	0.646	0.661	6.80E-38	0
Clic1	2.82E-42	0.260	0.91	0.574	7.01E-38	0
Sf3b1	3.47E-42	-0.773	0.908	0.791	8.61E-38	0
Errfi1	3.90E-42	0.293	0.589	0.313	9.70E-38	0
Sec61g	4.65E-42	0.336	0.954	0.654	1.15E-37	0
Msrb1	2.12E-41	-0.250	0.738	0.398	5.27E-37	0
Arpc1b	3.08E-41	0.327	0.985	0.806	7.65E-37	0
Ilrn	3.21E-41	-0.605	0.8	0.46	7.96E-37	0
Stat3	6.79E-41	-1.097	0.847	0.724	1.69E-36	0
Ywhab	2.50E-40	0.295	0.924	0.626	6.20E-36	0
Rps27	1.57E-39	-0.648	0.992	0.886	3.90E-35	0
Fmn1l	2.97E-39	-1.108	0.469	0.53	7.37E-35	0
Ssr3	4.63E-39	0.281	0.922	0.599	1.15E-34	0
Anp32b	1.11E-37	0.265	0.925	0.582	2.76E-33	0
H2afz	2.30E-37	-0.849	0.953	0.81	5.70E-33	0
Atp5a1	3.62E-37	0.272	0.935	0.625	8.99E-33	0
Dennd4a	4.63E-37	-1.152	0.477	0.536	1.15E-32	0
Rhoa	9.03E-37	0.270	0.975	0.717	2.24E-32	0
Malat1	1.53E-36	-1.294	0.97	0.962	3.80E-32	0
Cerl2	8.88E-36	-0.344	0.713	0.425	2.21E-31	0
Mt1	1.18E-35	0.445	0.969	0.732	2.92E-31	0
S100a11	1.93E-35	-0.769	0.875	0.793	4.80E-31	0
H2-Q6	2.08E-35	-1.608	0.332	0.442	5.17E-31	0
Cnbp	7.29E-35	-0.762	0.91	0.761	1.81E-30	0
Srsf5	1.89E-34	-0.623	0.928	0.831	4.70E-30	0
Sfpq	4.53E-34	-0.707	0.893	0.788	1.13E-29	0
Mt2	4.99E-32	0.655	0.738	0.483	1.24E-27	0
Cox8a	7.57E-32	0.286	0.979	0.719	1.88E-27	0
Ramp3	2.15E-31	-1.118	0.12	0.27	5.35E-27	0
Pabpc1	1.81E-30	-0.402	0.993	0.921	4.49E-26	0
Nlrp3	3.47E-30	-1.076	0.779	0.452	8.62E-26	0
Coro1a	4.95E-30	-0.715	0.852	0.748	1.23E-25	0
Klf2	5.17E-30	-0.283	0.499	0.259	1.28E-25	0
Gadd45g	2.89E-29	-0.257	0.434	0.222	7.17E-25	0
Crem	3.44E-29	-1.360	0.645	0.618	8.56E-25	0
Itga5	4.35E-29	-0.278	0.722	0.404	1.08E-24	0
Grina	7.27E-29	-0.551	0.776	0.433	1.81E-24	0

B2m	1.37E-28	0.266	1	0.973	3.40E-24	0
Cln3	9.71E-28	-0.422	0.617	0.324	2.41E-23	0
Fosl2	1.31E-27	-0.931	0.859	0.758	3.27E-23	0
Hspa5	1.47E-27	0.282	0.989	0.951	3.64E-23	0
Hilpda	4.83E-27	-0.284	0.833	0.57	1.20E-22	0
Stk17b	1.41E-26	-1.146	0.674	0.619	3.51E-22	0
D16Ert472e	2.58E-26	-1.280	0.21	0.324	6.41E-22	0
Stmn1	2.93E-26	-0.273	0.46	0.236	7.27E-22	0
Gm42418	3.09E-26	-0.600	0.984	0.895	7.68E-22	0
Cyp4f18	1.84E-25	-1.195	0.439	0.223	4.57E-21	0
Ptk2b	7.40E-25	-0.291	0.488	0.26	1.84E-20	0
Ptprc	1.24E-24	-0.827	0.854	0.737	3.08E-20	0
Cd9	1.47E-24	-0.320	0.701	0.417	3.65E-20	0
Eeal	5.19E-24	-0.296	0.725	0.43	1.29E-19	0
Tnf	1.25E-23	-0.674	0.521	0.285	3.11E-19	0
Gm26917	3.84E-23	-1.700	0.617	0.589	9.53E-19	0
Ezr	5.33E-23	-0.795	0.788	0.696	1.32E-18	0
Tspan13	9.28E-23	-1.030	0.343	0.414	2.31E-18	0
Ly6e	1.44E-22	-0.771	0.815	0.723	3.58E-18	0
Fam110a	2.38E-22	-0.976	0.317	0.398	5.90E-18	0
Hspa1a	3.77E-22	-0.307	0.799	0.55	9.37E-18	0
Cd300lf	7.33E-22	-0.745	0.632	0.355	1.82E-17	0
Jak2	2.34E-21	-1.017	0.41	0.445	5.82E-17	0
Irf8	4.59E-21	-0.427	0.661	0.369	1.14E-16	0
Mafk	9.98E-21	-0.305	0.674	0.399	2.48E-16	0
Hexim1	1.02E-20	-0.892	0.779	0.702	2.54E-16	0
Btg2	1.31E-20	-1.225	0.48	0.505	3.24E-16	0
Itgal	1.45E-20	-0.919	0.165	0.268	3.59E-16	0
Noct	6.74E-20	-0.315	0.575	0.336	1.68E-15	0
Dgat1	1.09E-19	-1.490	0.279	0.35	2.70E-15	0
Srrm2	1.55E-19	-0.650	0.859	0.728	3.86E-15	0
Lspl	2.02E-19	-1.002	0.505	0.531	5.03E-15	0
Kmt2e	3.51E-19	-0.919	0.792	0.664	8.71E-15	0
Rab11fip1	3.91E-19	-0.873	0.452	0.491	9.72E-15	0
Kdm2b	8.98E-19	-0.853	0.16	0.258	2.23E-14	0
Ier3	1.16E-18	-0.627	0.878	0.549	2.87E-14	0
Ndr1	1.20E-18	0.328	0.622	0.417	2.98E-14	0
Eif1	1.49E-18	-0.325	0.99	0.936	3.71E-14	0
Son	1.52E-18	-0.621	0.879	0.742	3.77E-14	0
Pqlc1	3.16E-18	-0.307	0.498	0.281	7.84E-14	0
Stx11	4.93E-18	-1.057	0.324	0.393	1.22E-13	0
Slc25a37	6.45E-18	-0.352	0.363	0.2	1.60E-13	0
Nfkb1	8.90E-18	-0.944	0.724	0.626	2.21E-13	0
Itgb7	1.50E-17	-0.779	0.257	0.339	3.73E-13	0
Ehbp111	1.74E-17	-0.259	0.491	0.286	4.33E-13	0
Tnrc6a	2.17E-17	-0.263	0.643	0.381	5.40E-13	0

Cd24a	2.34E-17	-2.040	0.25	0.329	5.81E-13	0
Ppp1cc	2.99E-17	-0.267	0.71	0.421	7.43E-13	0
Hsp90aa1	3.02E-17	-0.650	0.987	0.921	7.51E-13	0
Sub1	4.32E-17	-0.686	0.854	0.676	1.07E-12	0
Ptgs2	7.62E-17	-0.782	0.435	0.261	1.89E-12	0
Glrx	1.07E-16	-0.353	0.762	0.472	2.65E-12	0
Fau	1.08E-16	-0.270	0.994	0.89	2.69E-12	0
Saraf	1.11E-16	-0.273	0.611	0.36	2.75E-12	0
Hmgb2	1.15E-16	-1.059	0.77	0.657	2.86E-12	0
Mafg	1.31E-16	-0.260	0.659	0.393	3.26E-12	0
Hnrnpc	1.32E-16	-0.393	0.948	0.819	3.29E-12	0
Git2	1.67E-16	-0.255	0.555	0.331	4.15E-12	0
Uhrf2	2.81E-16	-0.318	0.579	0.341	6.98E-12	0
Tnfaip8	3.14E-16	-0.272	0.611	0.363	7.80E-12	0
Chka	4.84E-16	-0.314	0.671	0.419	1.20E-11	0
Thoc2	5.57E-16	-0.253	0.625	0.376	1.38E-11	0
H2-Eb1	1.13E-15	-0.274	0.826	0.542	2.80E-11	0
Ywhaz	2.12E-15	-0.366	0.974	0.849	5.26E-11	0
Braf	3.12E-15	-0.264	0.409	0.238	7.76E-11	0
Ubap1	3.17E-15	-0.356	0.417	0.24	7.88E-11	0
Vasp	3.17E-15	-0.754	0.751	0.625	7.88E-11	0
Ets1	3.63E-15	-1.347	0.182	0.256	9.02E-11	0
Rab8b	4.14E-15	-0.623	0.89	0.739	1.03E-10	0
Pcyt1a	4.91E-15	-0.262	0.67	0.415	1.22E-10	0
Tbk1	4.97E-15	-0.270	0.603	0.36	1.23E-10	0
Runx1	8.56E-15	-0.299	0.715	0.433	2.13E-10	0
Cd274	1.08E-14	-0.364	0.631	0.391	2.67E-10	0
Srpk2	1.62E-14	-0.376	0.307	0.175	4.02E-10	0
Nsd3	1.94E-14	-0.904	0.688	0.585	4.82E-10	0
Skil	2.97E-14	-0.765	0.729	0.632	7.37E-10	0
Phlda1	6.73E-14	-0.451	0.685	0.437	1.67E-09	0
Rps9	1.07E-13	-0.316	0.995	0.9	2.65E-09	0
Hnrnpa2b1	1.28E-13	-0.379	0.955	0.833	3.18E-09	0
Tnfaip3	1.59E-13	-1.101	0.722	0.632	3.95E-09	0
Ndfip1	1.59E-13	-0.253	0.462	0.273	3.96E-09	0
Ktn1	1.98E-13	-0.311	0.339	0.2	4.92E-09	0
Tgfb1	2.56E-13	-0.273	0.383	0.226	6.35E-09	0
Nfkbia	3.13E-13	-1.068	0.885	0.81	7.77E-09	0
Dusp2	4.31E-13	-1.215	0.422	0.45	1.07E-08	0
Ifnar2	5.61E-13	-0.315	0.529	0.316	1.39E-08	0
Csnk1e	7.40E-13	-0.328	0.438	0.264	1.84E-08	0
Ddx3x	8.47E-13	-0.585	0.88	0.748	2.10E-08	0
Spag9	9.20E-13	-0.730	0.812	0.665	2.29E-08	0
Cnppd1	1.07E-12	-0.329	0.616	0.382	2.65E-08	0
B4galnt1	1.18E-12	-0.277	0.472	0.283	2.93E-08	0
Syng2	1.30E-12	-0.596	0.748	0.439	3.22E-08	0

Ptma	1.61E-12	-0.365	0.995	0.916	4.01E-08	0
Prpf39	2.01E-12	-0.263	0.412	0.249	4.99E-08	0
Slc38a1	2.28E-12	-0.829	0.543	0.506	5.66E-08	0
Sap18	2.39E-12	-0.336	0.727	0.459	5.95E-08	0
Sun2	2.64E-12	-0.356	0.604	0.371	6.56E-08	0
Ttc39b	2.65E-12	-0.275	0.294	0.172	6.59E-08	0
Ypel3	2.79E-12	-0.347	0.417	0.25	6.92E-08	0
Bhlhe40	2.84E-12	-0.778	0.804	0.682	7.05E-08	0
Tatdn2	2.86E-12	-0.296	0.57	0.349	7.09E-08	0
Brwd1	2.91E-12	-0.290	0.37	0.224	7.24E-08	0
Itgav	3.77E-12	-0.458	0.569	0.348	9.37E-08	0
Fam107b	3.97E-12	-1.056	0.566	0.511	9.87E-08	0
Il1b	4.67E-12	-1.755	0.261	0.325	1.16E-07	0
Rnf11	4.83E-12	-0.373	0.488	0.297	1.20E-07	0
Plekha2	4.83E-12	-0.411	0.498	0.299	1.20E-07	0
Hbp1	5.08E-12	-0.314	0.551	0.338	1.26E-07	0
Zc3hav1	5.33E-12	-0.864	0.624	0.542	1.32E-07	0
Sde2	5.45E-12	-0.360	0.672	0.431	1.35E-07	0
Rest	6.47E-12	-0.256	0.507	0.314	1.61E-07	0
Erbin	9.06E-12	-0.275	0.531	0.324	2.25E-07	0
Fbxo33	1.07E-11	-0.278	0.553	0.349	2.67E-07	0
Rpl18a	1.21E-11	-0.310	0.978	0.802	3.01E-07	0
Per1	1.72E-11	-0.309	0.414	0.253	4.27E-07	0
Sema4d	2.02E-11	-1.025	0.428	0.434	5.02E-07	0
Notch1	2.11E-11	-0.321	0.373	0.226	5.24E-07	0
Matr3	2.44E-11	-0.251	0.634	0.39	6.05E-07	0
H2-Q7	3.16E-11	-1.071	0.431	0.427	7.84E-07	0
Kmt2d	5.06E-11	-0.301	0.441	0.271	1.26E-06	0
Lyst	5.21E-11	-0.402	0.299	0.178	1.29E-06	0
Uck2	6.41E-11	-0.744	0.41	0.428	1.59E-06	0
Baz2b	6.60E-11	-0.359	0.536	0.334	1.64E-06	0
Clk4	6.90E-11	-0.283	0.529	0.33	1.71E-06	0
Cwc25	7.36E-11	-0.265	0.49	0.314	1.83E-06	0
Mdm2	9.57E-11	-0.350	0.876	0.59	2.38E-06	0
mt-Nd5	1.02E-10	-0.450	0.973	0.897	2.53E-06	0
Ccl4	1.13E-10	-1.365	0.458	0.301	2.82E-06	0
Srsf2	1.19E-10	-0.407	0.956	0.842	2.95E-06	0
Maff	1.43E-10	-0.442	0.589	0.38	3.55E-06	0
Il21r	1.47E-10	-0.905	0.203	0.256	3.66E-06	0
Rhoq	1.49E-10	-0.300	0.438	0.268	3.70E-06	0
Epsti1	1.60E-10	-0.279	0.442	0.277	3.99E-06	0
Lbr	1.63E-10	-0.696	0.227	0.28	4.05E-06	0
Ccr1	1.80E-10	-0.862	0.757	0.458	4.47E-06	0
Ifrd1	2.90E-10	-0.694	0.941	0.848	7.21E-06	0
Vgll4	3.40E-10	-0.825	0.2	0.253	8.44E-06	0
Ccn1	3.70E-10	-0.641	0.921	0.8	9.19E-06	0

Ip6k1	5.92E-10	-0.258	0.368	0.23	1.47E-05	0
Plaur	6.26E-10	-0.407	0.927	0.623	1.56E-05	0
Zranb1	6.70E-10	-0.293	0.385	0.243	1.66E-05	0
Nrros	7.17E-10	-0.273	0.683	0.439	1.78E-05	0
Clk1	8.90E-10	-0.754	0.791	0.65	2.21E-05	0
Ubp1	1.11E-09	-0.327	0.532	0.34	2.75E-05	0
Nxf1	1.12E-09	-0.296	0.622	0.393	2.79E-05	0
Lilr4b	1.18E-09	-0.503	0.959	0.68	2.94E-05	0
Ddx39b	1.27E-09	-0.257	0.753	0.497	3.15E-05	0
Homer1	1.55E-09	-0.369	0.35	0.219	3.85E-05	0
Col4a3bp	1.56E-09	-0.263	0.451	0.288	3.86E-05	0
Vmp1	1.60E-09	-0.414	0.752	0.488	3.97E-05	0
Tpst2	1.63E-09	-0.323	0.658	0.424	4.04E-05	0
Prrc2a	1.67E-09	-0.287	0.426	0.27	4.14E-05	0
Oas2	1.94E-09	-0.412	0.351	0.221	4.81E-05	0
Atf4	2.18E-09	-0.498	0.967	0.861	5.40E-05	0
Cpsf7	2.23E-09	-0.259	0.458	0.29	5.53E-05	0
Herc1	2.23E-09	-0.366	0.402	0.255	5.54E-05	0
Ccnd2	2.57E-09	-1.119	0.329	0.348	6.39E-05	0
Mllt6	5.22E-09	-0.702	0.237	0.281	0.000129686	0
Ncoa3	5.52E-09	-0.278	0.528	0.337	0.00013705	0
Ncoa7	5.63E-09	-0.309	0.252	0.157	0.000139843	0
Mknk2	5.90E-09	-0.640	0.842	0.698	0.000146576	0
Fbxl3	7.53E-09	-0.276	0.387	0.245	0.000186937	0
Cxcr4	7.69E-09	-0.830	0.843	0.717	0.000191043	0
Bcl2a1d	9.27E-09	-0.401	0.572	0.356	0.000230363	0
Ncor1	1.04E-08	-0.289	0.701	0.445	0.000257941	0
Raly	1.11E-08	-0.271	0.638	0.404	0.000275483	0
Pom121	1.12E-08	-0.257	0.457	0.295	0.000277668	0
Ii17ra	1.13E-08	-0.296	0.402	0.263	0.000279621	0
Chd3	1.13E-08	-0.303	0.349	0.222	0.000280021	0
Egr1	1.22E-08	-1.374	0.616	0.424	0.000302691	0
G3bp2	1.35E-08	-0.285	0.615	0.39	0.000336016	0
Ep300	1.50E-08	-0.304	0.663	0.426	0.000371889	0
Hbs1l	1.70E-08	-0.274	0.346	0.221	0.000423029	0
Pias1	1.86E-08	-0.274	0.483	0.312	0.000461556	0
Anp32e	1.88E-08	-0.258	0.631	0.396	0.000467084	0
Orai1	2.15E-08	-0.703	0.392	0.388	0.000535244	0
Ass1	2.67E-08	-0.557	0.209	0.26	0.000662994	0
Cebpz	2.89E-08	-0.262	0.471	0.308	0.00071754	0
mt-Co2	2.95E-08	-0.287	0.996	0.994	0.000732745	0
Ccl3	3.26E-08	-2.502	0.435	0.286	0.00081031	0
Pnn	3.51E-08	-0.294	0.628	0.407	0.000870698	0
Ints6	3.88E-08	-0.388	0.371	0.241	0.00096457	0
Gpcpd1	3.96E-08	-0.257	0.299	0.188	0.000983172	0
1700017B05Rik	3.96E-08	-0.588	0.606	0.38	0.000983867	0

Fyn	4.21E-08	-0.754	0.507	0.45	0.001046765	0
Ddx6	4.24E-08	-0.539	0.83	0.667	0.001053937	0
Usp34	4.25E-08	-0.285	0.575	0.373	0.001054565	0
Mepce	4.26E-08	-0.292	0.346	0.224	0.001058183	0
Arhgap45	5.04E-08	-0.762	0.442	0.423	0.001251735	0
Birc6	5.43E-08	-0.281	0.62	0.408	0.001349494	0
Ppp2r5a	5.65E-08	-0.285	0.522	0.338	0.001403123	0
Tmem131	5.66E-08	-0.313	0.405	0.26	0.001405881	0
Syncrip	5.71E-08	-0.260	0.665	0.423	0.001418246	0
B4galt5	5.75E-08	-0.262	0.653	0.439	0.001429422	0
Cnot1	5.87E-08	-0.289	0.438	0.283	0.001458416	0
Brd4	7.82E-08	-0.650	0.762	0.607	0.001942904	0
H2-K1	7.99E-08	-0.336	0.993	0.94	0.001984039	0
Rc3h1	8.04E-08	-0.270	0.549	0.359	0.001998052	0
Snx18	9.22E-08	-0.322	0.693	0.447	0.002290913	0
Chd1	9.74E-08	-0.264	0.547	0.358	0.002420559	0
Atp11b	1.01E-07	-1.060	0.534	0.474	0.002497649	0
AW112010	1.03E-07	-0.432	0.491	0.328	0.002549507	0
Nfatc3	1.05E-07	-0.327	0.372	0.238	0.002604325	0
Hdac1	1.06E-07	-0.271	0.461	0.295	0.002632075	0
Lilrb4a	1.06E-07	-0.462	0.312	0.196	0.002643641	0
Marcks11	1.07E-07	-1.353	0.613	0.546	0.002663213	0
Arhgap30	1.08E-07	-0.313	0.506	0.336	0.002677693	0
Hspa1b	1.15E-07	-0.371	0.743	0.562	0.002847932	0
Gls	1.17E-07	-0.654	0.808	0.664	0.002894931	0
Epb41	1.18E-07	-0.274	0.392	0.256	0.002921786	0
Slc38a2	1.20E-07	-0.456	0.878	0.766	0.002970849	0
Xbp1	1.22E-07	-0.279	0.704	0.464	0.003031984	0
Cbx4	1.27E-07	-0.296	0.453	0.302	0.003155342	0
Zfp131	1.36E-07	-0.267	0.606	0.402	0.003375697	0
Ly6a	1.50E-07	-0.790	0.299	0.343	0.003724246	0
Phf2011	1.53E-07	-0.364	0.39	0.254	0.003797307	0
Elf2	1.53E-07	-0.281	0.533	0.349	0.00379945	0
App11	1.62E-07	-0.318	0.384	0.254	0.004016013	0
St3gal1	1.82E-07	-0.336	0.658	0.435	0.004528273	0
Zmym5	1.84E-07	-0.283	0.317	0.208	0.004570165	0
Ptp4a2	1.86E-07	-0.457	0.95	0.763	0.004616851	0
Clint1	1.94E-07	-0.329	0.67	0.437	0.00482627	0
Notch2	1.95E-07	-0.393	0.506	0.332	0.004847619	0
Arhgef1	2.03E-07	-0.424	0.471	0.304	0.005048038	0
Pmaip1	2.19E-07	-0.874	0.42	0.406	0.00544578	0
Rel	2.21E-07	-0.915	0.693	0.565	0.005500516	0
Birc2	2.37E-07	-0.822	0.215	0.251	0.005882135	0
Sdf4	2.43E-07	-0.495	0.618	0.39	0.006044497	0
Lysmd3	2.59E-07	-0.285	0.385	0.257	0.006430887	0
Map2k3	2.76E-07	-0.472	0.854	0.708	0.006858274	0



Smndc1	2.76E-07	-0.264	0.624	0.403	0.006866463	0
Nipbl	2.78E-07	-0.322	0.661	0.437	0.00691661	0
Ppp6r3	2.79E-07	-0.268	0.348	0.229	0.006918477	0
Rara	2.81E-07	-0.293	0.474	0.316	0.006990404	0
Mier1	3.20E-07	-0.362	0.574	0.371	0.007938138	0
Thbs1	3.23E-07	-0.432	0.716	0.513	0.008027112	0
Smc4	3.24E-07	-0.568	0.546	0.342	0.008047733	0
Tmpo	3.26E-07	-0.299	0.425	0.274	0.008091547	0
Kras	4.16E-07	-0.284	0.619	0.41	0.010332967	0
Nr3c1	4.24E-07	-0.635	0.551	0.353	0.01053337	0
Cxcl2	4.28E-07	-1.522	0.826	0.625	0.010626466	0
Hnrnp1	4.32E-07	-0.776	0.757	0.597	0.010737165	0
Ube2e3	4.94E-07	-0.264	0.453	0.298	0.012267179	0
Hsp90ab1	4.96E-07	-0.388	0.993	0.865	0.012319626	0
Tra2a	5.05E-07	-0.806	0.634	0.524	0.012545573	0
Mga	5.29E-07	-0.286	0.3	0.198	0.013139027	0
Cd52	6.05E-07	-0.319	0.942	0.816	0.015034423	0
Rbm25	6.30E-07	-0.481	0.916	0.734	0.015660022	0
Sp110	7.40E-07	-0.306	0.535	0.352	0.018379678	0
CD8a-pAbO (Ab)	7.57E-07	-1.697	0.803	0.688	0.018793914	0
Slc1a5	9.14E-07	-0.668	0.378	0.371	0.022691713	0
Fbrs	9.63E-07	-0.289	0.295	0.194	0.023930553	0
Foxn3	1.01E-06	-0.346	0.491	0.324	0.025020246	0
Runx3	1.12E-06	-0.692	0.556	0.487	0.027792216	0
Arid5b	1.15E-06	-0.688	0.41	0.267	0.028678141	0
Celf1	1.19E-06	-0.329	0.558	0.372	0.029480289	0
Med13l	1.22E-06	-0.328	0.591	0.393	0.030223895	0
Nuak2	1.38E-06	-0.317	0.471	0.314	0.034188577	0
Taf1d	1.44E-06	-0.261	0.756	0.502	0.035834314	0
Esco1	1.47E-06	-0.298	0.364	0.241	0.036401126	0
Osm	1.50E-06	-0.796	0.558	0.368	0.03715184	0
Coq10b	1.56E-06	-0.265	0.653	0.438	0.038824779	0
Alyref	1.66E-06	-0.292	0.563	0.366	0.041283203	0
Mark2	1.73E-06	-0.313	0.576	0.381	0.043045072	0
Agpat4	1.75E-06	-0.331	0.478	0.323	0.043498541	0
Plk3	1.89E-06	-0.574	0.321	0.215	0.046849101	0
Nup153	1.97E-06	-0.251	0.422	0.28	0.048840451	0
Ets2	2.04E-06	-0.473	0.826	0.574	0.050777118	0
Prpf4b	2.12E-06	-0.369	0.469	0.314	0.052566829	0
Ankrd17	2.39E-06	-0.306	0.68	0.445	0.059454804	0
Vcpipl	2.69E-06	-0.288	0.517	0.345	0.066778781	0
Ep400	2.71E-06	-0.328	0.397	0.268	0.067194172	0
Bcl2l11	2.81E-06	-0.729	0.718	0.597	0.069884409	0
Scaf8	2.85E-06	-0.261	0.354	0.238	0.070896371	0
Atxn7l3	2.98E-06	-0.251	0.408	0.276	0.073960989	0
Sik3	3.11E-06	-0.711	0.53	0.465	0.077240837	0

Tbc1d15	3.38E-06	-0.342	0.472	0.314	0.083846598	0
Slc20a1	3.76E-06	-0.561	0.363	0.244	0.09349296	0
Eif4a3	4.13E-06	-0.265	0.633	0.412	0.102532625	0
Pnrc1	4.17E-06	-0.833	0.867	0.709	0.103514743	0
Kat6a	4.20E-06	-0.296	0.451	0.304	0.104329828	0
Phf3	4.42E-06	-0.301	0.586	0.394	0.109848049	0
Ing1	4.48E-06	-0.309	0.474	0.325	0.111207669	0
Suco	4.73E-06	-0.534	0.53	0.354	0.117595009	0
Rad21	4.97E-06	-0.320	0.578	0.374	0.123512167	0
Ube2j1	5.51E-06	-0.307	0.624	0.405	0.136785311	0
Tcp1l12	5.55E-06	-0.447	0.415	0.278	0.137849659	0
Tet2	5.66E-06	-0.361	0.489	0.329	0.140576386	0
Ccnt2	6.02E-06	-0.295	0.311	0.209	0.149605892	0
Tacc1	6.39E-06	-0.326	0.553	0.372	0.158615408	0
mt-Co1	6.44E-06	-0.270	0.998	0.994	0.159981303	0
Rpl23a	6.49E-06	-0.252	0.993	0.803	0.161257231	0
Safb	6.83E-06	-0.332	0.405	0.274	0.16972926	0
Arfgef1	6.95E-06	-0.368	0.438	0.294	0.172622809	0
Akap13	7.21E-06	-0.829	0.692	0.555	0.179097689	0
Srebf2	7.23E-06	-0.624	0.495	0.432	0.179602167	0
Baz1a	7.26E-06	-0.665	0.651	0.541	0.180373279	0
Zc3h15	8.15E-06	-0.310	0.734	0.48	0.202348818	0
H2-Q4	8.59E-06	-0.736	0.628	0.525	0.213310111	0
Safb2	8.69E-06	-0.376	0.473	0.319	0.21596711	0
Raf1	8.76E-06	-0.352	0.31	0.21	0.217645968	0
Dnaja1	8.92E-06	-0.511	0.903	0.761	0.221592088	0
Nabp1	9.28E-06	-0.909	0.349	0.343	0.23043235	0
Dhx9	9.87E-06	-0.296	0.647	0.427	0.245125932	0
Rtf1	1.01E-05	-0.310	0.593	0.393	0.250674749	0
Nfkb2	1.03E-05	-0.539	0.238	0.263	0.254609865	0
Sltm	1.11E-05	-0.518	0.596	0.403	0.275581032	0
Antxr2	1.27E-05	-0.920	0.458	0.415	0.315825271	0
Kdm2a	1.29E-05	-0.337	0.552	0.37	0.319598163	0
Cggbp1	1.31E-05	-0.275	0.674	0.448	0.324908197	0
Kdm5c	1.32E-05	-0.371	0.569	0.376	0.32842643	0
Cdk17	1.33E-05	-0.327	0.274	0.184	0.329995571	0
Foxp1	1.42E-05	-0.419	0.59	0.393	0.35294426	0
Ldlr	1.43E-05	-0.390	0.453	0.315	0.355360259	0
Eif5	1.46E-05	-0.397	0.965	0.84	0.363197248	0
Pnlsr	1.50E-05	-0.459	0.435	0.297	0.371517483	0
mt-Atp6	1.53E-05	-0.277	0.995	0.982	0.379431473	0
Emilin2	1.55E-05	-0.470	0.836	0.534	0.385513922	0
Gmip	1.59E-05	-0.292	0.299	0.205	0.394548029	0
Ppp4r3b	1.65E-05	-0.266	0.628	0.427	0.410139537	0
Ppp4r3a	1.68E-05	-0.307	0.519	0.348	0.417423842	0
Gadd45a	1.68E-05	-1.029	0.374	0.253	0.417485151	0

Rplp0	1.73E-05	-0.276	0.977	0.805	0.429668783	0
Synj1	1.73E-05	-0.344	0.612	0.409	0.430842106	0
Txnip	1.78E-05	-0.519	0.471	0.323	0.442657366	0
Rsf1	1.80E-05	-0.402	0.422	0.287	0.447019216	0
Pum1	1.81E-05	-0.329	0.582	0.391	0.449834165	0
Ii10ra	1.85E-05	-0.305	0.363	0.253	0.459027104	0
Nfkbid	1.94E-05	-0.925	0.279	0.297	0.480790246	0
Tubb4b	1.94E-05	-0.289	0.695	0.462	0.481014739	0
Mbtd1	1.95E-05	-0.261	0.382	0.264	0.483545551	0
Kansl1	1.97E-05	-0.386	0.524	0.352	0.488352297	0
Tra2b	2.03E-05	-0.476	0.87	0.671	0.504211151	0
Rbm27	2.31E-05	-0.266	0.444	0.306	0.573913047	0
Sod1	2.41E-05	-0.474	0.907	0.667	0.598839414	0
Dep2	2.72E-05	-0.261	0.298	0.205	0.675123561	0
Cnot6l	2.76E-05	-0.409	0.47	0.316	0.686441107	0
Smg7	3.11E-05	-0.277	0.432	0.297	0.77331744	0
Nfkbie	3.42E-05	-0.595	0.324	0.326	0.848252808	0
Mir142hg	3.93E-05	-0.711	0.259	0.277	0.976751551	0
Snrnp70	3.93E-05	-0.286	0.724	0.485	0.977297611	0
Gmfg	3.99E-05	-0.335	0.553	0.369	0.990489291	0
Riok1	4.05E-05	-0.298	0.312	0.214	1	0
Rps13	4.63E-05	-0.285	0.992	0.846	1	0
Ugcg	4.65E-05	-0.398	0.683	0.458	1	0
Suz12	4.75E-05	-0.304	0.428	0.291	1	0
Kdm1a	4.97E-05	-0.264	0.332	0.23	1	0
Ifi203	5.21E-05	-0.456	0.445	0.306	1	0
G3bp1	5.35E-05	-0.494	0.853	0.648	1	0
Tuba4a	5.46E-05	-0.298	0.389	0.273	1	0
Supt6	5.73E-05	-0.303	0.426	0.291	1	0
Crebrf	5.97E-05	-0.344	0.29	0.202	1	0
Huwe1	6.09E-05	-0.318	0.574	0.386	1	0
Ppp1r15a	6.22E-05	-0.518	0.814	0.573	1	0
Mgea5	6.69E-05	-0.435	0.584	0.389	1	0
Cebpb	7.00E-05	-0.310	0.96	0.746	1	0
Wnk1	7.01E-05	-0.591	0.884	0.68	1	0
Ppp1cb	7.45E-05	-0.314	0.591	0.397	1	0
Ubr4	7.49E-05	-0.353	0.535	0.366	1	0
Sp3	7.52E-05	-0.292	0.541	0.369	1	0
Cmip	7.70E-05	-0.282	0.347	0.244	1	0
Sf1	7.82E-05	-0.426	0.868	0.669	1	0
Rps6	8.43E-05	-0.277	0.983	0.803	1	0
Csrp1	8.77E-05	-0.345	0.403	0.277	1	0
Arih2	8.85E-05	-0.254	0.325	0.227	1	0
Supt4a	8.94E-05	-0.283	0.552	0.369	1	0
Ppp2ca	0.00010402	-0.361	0.906	0.712	1	0
Dennd5a	0.00010969	-0.377	0.482	0.329	1	0

Arid4a	0.000117	-0.410	0.481	0.338	1	0
Prrc2c	0.00011921	-0.632	0.828	0.645	1	0
Zfp451	0.00012001	-0.314	0.29	0.205	1	0
Crybg1	0.0001245	-0.507	0.266	0.278	1	0
Cdk12	0.00013166	-0.328	0.479	0.332	1	0
Rps27rt	0.00013355	-0.485	0.84	0.624	1	0
Ptpn22	0.00013562	-0.879	0.256	0.263	1	0
Ppp4r2	0.00013715	-0.323	0.727	0.492	1	0
Stk40	0.00014475	-0.370	0.434	0.301	1	0
Jmy	0.00014588	-0.321	0.277	0.194	1	0
Bptf	0.00016029	-0.382	0.603	0.415	1	0
Gm47283	0.00016416	-0.510	0.649	0.455	1	0
N4bp1	0.00016915	-0.383	0.627	0.437	1	0
Ifitm2	0.00017161	-0.374	0.889	0.577	1	0
Elk4	0.00017844	-0.337	0.274	0.192	1	0
Cdc42se1	0.00020271	-0.268	0.571	0.392	1	0
Emb	0.00020635	-0.734	0.727	0.505	1	0
Gatad2b	0.00020742	-0.333	0.554	0.38	1	0
Ddit4	0.0002119	-0.758	0.286	0.295	1	0
Dyrk1a	0.00022555	-0.348	0.571	0.386	1	0
Dtx3l	0.00023057	-0.319	0.339	0.239	1	0
Ifngr1	0.00023169	-0.982	0.501	0.423	1	0
Arid4b	0.00025407	-0.760	0.647	0.529	1	0
Nktr	0.00027714	-0.500	0.668	0.458	1	0
Azin1	0.00029775	-0.362	0.805	0.562	1	0
Luc7l3	0.00030072	-0.310	0.763	0.524	1	0
Ube2s	0.00030741	-0.258	0.839	0.568	1	0
Ist1	0.00032697	-0.278	0.868	0.586	1	0
Elmsan1	0.00033848	-0.406	0.392	0.277	1	0
Nr4a1	0.00034076	-0.601	0.682	0.495	1	0
Sptan1	0.00035358	-0.274	0.785	0.548	1	0
Rgs2	0.00036999	-0.861	0.826	0.695	1	0
Rela	0.00037184	-0.311	0.514	0.352	1	0
Trp53	0.00037896	-0.359	0.481	0.327	1	0
Bdp1	0.00038338	-0.341	0.333	0.238	1	0
Chd7	0.00038373	-0.804	0.536	0.464	1	0
Slbp	0.00038911	-0.298	0.612	0.418	1	0
Fbxo11	0.00039414	-0.353	0.567	0.386	1	0
Jund	0.0004039	-0.354	0.973	0.908	1	0
Flrt3	0.00041725	-0.331	0.395	0.296	1	0
Bzw2	0.00041853	-0.255	0.324	0.232	1	0
Zc3h7a	0.00041891	-0.381	0.627	0.434	1	0
Uvrag	0.00043646	-0.321	0.567	0.391	1	0
Usp7	0.00051699	-0.343	0.7	0.478	1	0
Cd44	0.00052451	-0.560	0.933	0.783	1	0
Rasa2	0.00052512	-0.697	0.297	0.295	1	0

Srsf4	0.00052956	-0.271	0.414	0.293	1	0
Epc1	0.00056096	-0.365	0.473	0.332	1	0
Ranbp2	0.00057087	-0.420	0.592	0.405	1	0
Ric1	0.0005833	-0.314	0.34	0.241	1	0
Add3	0.00067216	-0.296	0.345	0.249	1	0
Chd2	0.00068603	-0.792	0.474	0.417	1	0
Lfng	0.00076973	-0.632	0.586	0.497	1	0
Rb1cc1	0.00079146	-0.439	0.434	0.308	1	0
Rtp4	0.00082678	-0.313	0.28	0.204	1	0
Pnrc2	0.00084198	-0.350	0.536	0.371	1	0
Ino80d	0.00084375	-0.281	0.302	0.218	1	0
Ehd1	0.00086929	-0.322	0.554	0.389	1	0
Pdzd8	0.00090267	-0.324	0.341	0.245	1	0
Plek	0.00093225	-0.436	0.919	0.661	1	0
Kdm5a	0.00095102	-0.407	0.341	0.242	1	0
Senp6	0.00106246	-0.393	0.513	0.357	1	0
Hmgb1	0.0011014	-0.290	0.857	0.594	1	0
Mtf2	0.00111871	-0.263	0.277	0.201	1	0
mt-Nd4	0.0011297	-0.278	0.984	0.96	1	0
Emsy	0.00115289	-0.348	0.272	0.196	1	0
Odc1	0.00115971	-1.125	0.839	0.654	1	0
Scaf4	0.00123852	-0.265	0.338	0.246	1	0
Il4ra	0.00128512	-0.304	0.522	0.371	1	0
Tgif1	0.00133563	-0.538	0.881	0.74	1	0
mt-Nd4l	0.00135989	-0.425	0.909	0.795	1	0
Ctcf	0.00140037	-0.344	0.461	0.322	1	0
Elf4	0.00144082	-0.322	0.385	0.275	1	0
Cenpa	0.00145478	-0.296	0.424	0.304	1	0
N4bp2l2	0.00150985	-0.398	0.429	0.302	1	0
Tle3	0.00152511	-0.435	0.398	0.283	1	0
Cyp51	0.00152928	-0.526	0.301	0.3	1	0
Mrps6	0.00153402	-0.292	0.342	0.249	1	0
Smarca5	0.0015486	-0.301	0.833	0.556	1	0
Tpp2	0.00155746	-0.422	0.695	0.468	1	0
Cd80	0.00158472	-0.603	0.249	0.253	1	0
Mat2a	0.0016318	-0.396	0.768	0.542	1	0
Irak2	0.00168511	-0.608	0.643	0.436	1	0
Tob2	0.00169559	-0.598	0.847	0.669	1	0
Ms4a4c	0.00169798	-0.656	0.291	0.293	1	0
Junb	0.00172898	-0.576	0.963	0.921	1	0
Gpr65	0.00178342	-0.378	0.52	0.373	1	0
Sidt2	0.00179049	-0.353	0.331	0.241	1	0
Usp38	0.00179172	-0.321	0.349	0.251	1	0
Nr4a2	0.00194208	-0.655	0.569	0.5	1	0
Srsf7	0.00194955	-0.597	0.715	0.571	1	0
Fbrs11	0.00200229	-0.365	0.326	0.234	1	0

Hnrnpd	0.00203373	-0.289	0.774	0.528	1	0
Pan3	0.00204553	-0.464	0.517	0.361	1	0
Setd2	0.00211867	-0.387	0.689	0.469	1	0
Cdc5l	0.00214012	-0.327	0.697	0.475	1	0
S100a6	0.00215306	-0.334	0.82	0.766	1	0
Anxa6	0.00228461	-0.516	0.525	0.353	1	0
Foxo1	0.00235111	-0.668	0.264	0.263	1	0
Csf2rb	0.00235783	-0.925	0.782	0.585	1	0
Pfkip	0.00254794	-0.339	0.596	0.419	1	0
Csf2rb2	0.00263246	-0.727	0.627	0.426	1	0
Syf2	0.00265426	-0.357	0.764	0.519	1	0
Gbp1	0.00267404	-0.575	0.692	0.527	1	0
Tes	0.00277814	-0.466	0.606	0.52	1	0
Crtc2	0.00286152	-0.312	0.293	0.213	1	0
Dek	0.00295433	-0.298	0.837	0.554	1	0
Rpsa	0.00296296	-0.417	0.956	0.715	1	0
Pcf11	0.00312848	-0.396	0.687	0.481	1	0
Khdrbs1	0.00316417	-0.328	0.559	0.388	1	0
Hivep1	0.00337688	-0.308	0.306	0.223	1	0
Arl5a	0.00351591	-0.511	0.521	0.361	1	0
Ifi209	0.0035744	-0.264	0.266	0.196	1	0
Elf1	0.00357826	-0.798	0.718	0.556	1	0
Cdk11b	0.00364405	-0.480	0.64	0.445	1	0
Socs1	0.00364721	-0.403	0.33	0.243	1	0
Ell2	0.00365229	-0.456	0.578	0.41	1	0
Ccser2	0.00376666	-0.367	0.272	0.197	1	0
Arglu1	0.00383906	-0.346	0.598	0.418	1	0
Sqstm1	0.00392095	-0.336	0.979	0.884	1	0
Filip11	0.00393054	-0.324	0.285	0.212	1	0
Thrap3	0.00407257	-0.569	0.766	0.579	1	0
Tab2	0.00410802	-0.334	0.754	0.523	1	0
Mycbp2	0.00426561	-0.460	0.493	0.352	1	0
Lin54	0.00453924	-0.286	0.306	0.229	1	0
Rgs1	0.00483509	-0.370	0.74	0.562	1	0
Pcgf5	0.00509729	-0.430	0.431	0.311	1	0
Smc3	0.00528666	-0.396	0.54	0.379	1	0
Tob1	0.00533941	-0.410	0.68	0.499	1	0
Ppp1r10	0.00540165	-0.375	0.565	0.415	1	0
S100a4	0.00543261	-0.492	0.526	0.477	1	0
Ogt	0.00545747	-0.452	0.297	0.217	1	0
Plbd1	0.00559103	-0.534	0.618	0.427	1	0
Hmgn5	0.0059512	-0.449	0.356	0.26	1	0
Cnn2	0.00631044	-0.742	0.493	0.408	1	0
Myl12b	0.00650565	-0.369	0.295	0.216	1	0
Isg15	0.00732754	-0.521	0.457	0.343	1	0
Zfp281	0.00741668	-0.437	0.309	0.227	1	0

Tent5a	0.00747985	-0.931	0.527	0.374	1	0
Paf1	0.00754239	-0.346	0.43	0.315	1	0
Nfil3	0.00786244	-0.253	0.747	0.56	1	0
Lrrc8d	0.0080253	-0.456	0.538	0.38	1	0
Dusp11	0.0080327	-0.324	0.755	0.517	1	0
Arg2	0.00835615	-0.620	0.291	0.212	1	0
Resf1	0.00885946	-0.876	0.598	0.502	1	0
Kmt2b	0.0089165	-0.291	0.291	0.219	1	0
Arih1	0.00906462	-0.346	0.716	0.493	1	0
Fem1c	0.00909762	-0.499	0.797	0.628	1	0
Trib1	0.00913645	-0.657	0.785	0.569	1	0
St8sia4	0.00989272	-0.557	0.32	0.3	1	0
Vcan	0	1.604	0.478	0.058	0	1
Tgfb1	3.34E-261	1.932	0.903	0.444	8.30E-257	1
Chil3	7.05E-228	2.029	0.466	0.086	1.75E-223	1
Plac8	3.20E-214	1.959	0.691	0.239	7.94E-210	1
Thbs1	1.19E-212	1.687	0.899	0.483	2.96E-208	1
Lyz2	3.79E-206	1.595	0.942	0.541	9.42E-202	1
Sirpb1c	7.54E-198	1.147	0.629	0.2	1.87E-193	1
Ifitm3	5.53E-188	1.337	0.904	0.496	1.37E-183	1
Ms4a6c	1.29E-183	1.374	0.835	0.409	3.20E-179	1
Mafb	5.91E-179	1.259	0.823	0.368	1.47E-174	1
Fam129b	5.44E-177	1.093	0.873	0.479	1.35E-172	1
Emilin2	3.30E-176	0.988	0.919	0.524	8.20E-172	1
Vim	1.32E-169	1.098	0.991	0.844	3.27E-165	1
Ms4a4c	8.99E-165	1.297	0.629	0.232	2.23E-160	1
Fcgr2b	1.16E-164	1.040	0.892	0.45	2.89E-160	1
Fn1	9.93E-164	1.484	0.503	0.143	2.47E-159	1
Hp	1.67E-160	0.940	0.295	0.041	4.14E-156	1
Ccr2	1.22E-158	1.061	0.698	0.276	3.02E-154	1
Mmp19	7.13E-153	1.565	0.662	0.297	1.77E-148	1
F13a1	6.05E-151	1.053	0.602	0.207	1.50E-146	1
Fcer1g	1.47E-149	0.855	0.994	0.704	3.66E-145	1
Csf1r	2.86E-147	0.904	0.817	0.373	7.09E-143	1
Cd14	7.36E-147	0.810	0.96	0.591	1.83E-142	1
Ahnak	1.13E-146	0.945	0.961	0.746	2.82E-142	1
F10	6.19E-146	0.824	0.573	0.194	1.54E-141	1
Lgals3	2.76E-135	0.846	0.998	0.779	6.86E-131	1
Fcgr1	9.49E-134	0.989	0.643	0.282	2.36E-129	1
Ms4a6d	1.31E-133	1.045	0.759	0.358	3.24E-129	1
Tyrobp	6.93E-131	0.847	0.971	0.675	1.72E-126	1
Ly6c2	5.62E-129	1.767	0.483	0.159	1.40E-124	1
Plaur	3.99E-124	0.637	0.953	0.623	9.91E-120	1
Itgam	3.09E-121	0.897	0.81	0.429	7.68E-117	1
Zeb2	5.62E-121	0.830	0.909	0.587	1.40E-116	1
Gm9733	6.43E-119	0.645	0.256	0.044	1.60E-114	1

Gda	3.15E-117	0.979	0.698	0.333	7.82E-113	1
Ctss	9.71E-117	0.501	0.993	0.735	2.41E-112	1
Gcsh	2.89E-116	1.076	0.582	0.282	7.18E-112	1
Jarid2	2.88E-112	0.856	0.708	0.382	7.16E-108	1
Emp3	4.64E-111	0.812	0.915	0.629	1.15E-106	1
Cd44	1.47E-110	0.634	0.964	0.78	3.64E-106	1
Ifitm2	3.27E-109	0.834	0.898	0.581	8.12E-105	1
Tpd52	4.15E-109	0.738	0.892	0.594	1.03E-104	1
Ctsc	8.72E-109	0.798	0.875	0.541	2.16E-104	1
Cybb	4.23E-108	1.154	0.713	0.359	1.05E-103	1
Msr1	6.77E-108	0.855	0.639	0.281	1.68E-103	1
Picalm	1.26E-107	0.775	0.968	0.789	3.14E-103	1
Slfn2	4.90E-106	0.792	0.929	0.695	1.22E-101	1
Uck2	1.34E-105	0.926	0.692	0.377	3.33E-101	1
Alox5ap	1.88E-105	0.682	0.923	0.546	4.67E-101	1
App	4.70E-104	0.718	0.928	0.552	1.17E-99	1
Eif4e	9.10E-104	0.842	0.881	0.639	2.26E-99	1
Plbd1	4.46E-102	0.649	0.775	0.401	1.11E-97	1
B4galt5	9.91E-102	0.782	0.723	0.43	2.46E-97	1
S100a6	1.20E-101	0.725	0.966	0.741	2.99E-97	1
Clec4a2	1.37E-97	0.774	0.635	0.305	3.39E-93	1
Smox	2.91E-96	0.631	0.828	0.529	7.23E-92	1
Rbm47	8.06E-94	0.869	0.626	0.339	2.00E-89	1
Flrt3	7.29E-93	1.148	0.575	0.265	1.81E-88	1
Arhgef10l	1.95E-92	0.699	0.428	0.16	4.85E-88	1
Ptafr	2.45E-92	0.613	0.808	0.491	6.08E-88	1
Fnip2	3.30E-90	0.641	0.797	0.492	8.20E-86	1
C5ar1	9.52E-90	0.802	0.674	0.35	2.37E-85	1
Csf2rb	6.10E-89	0.646	0.885	0.57	1.51E-84	1
Cd74	2.72E-88	0.834	0.935	0.748	6.76E-84	1
Gab1	2.40E-86	0.671	0.339	0.113	5.96E-82	1
Rbms1	5.61E-86	0.769	0.862	0.636	1.39E-81	1
Efhd2	7.62E-86	0.624	0.947	0.715	1.89E-81	1
Ccr5	2.77E-85	0.816	0.733	0.446	6.89E-81	1
S100a4	3.76E-85	0.746	0.758	0.436	9.35E-81	1
Ifi2712a	8.14E-85	0.909	0.753	0.49	2.02E-80	1
Pid1	8.49E-85	0.821	0.553	0.282	2.11E-80	1
Ptpre	1.17E-83	0.778	0.611	0.335	2.91E-79	1
Ccl9	6.16E-83	0.662	0.742	0.405	1.53E-78	1
Npc2	1.79E-82	0.671	0.947	0.724	4.44E-78	1
Cln8	1.61E-81	0.693	0.567	0.296	3.99E-77	1
Eps8	7.38E-80	0.757	0.622	0.35	1.83E-75	1
Fcgr3	1.97E-78	0.562	0.82	0.447	4.88E-74	1
Fem1c	9.27E-77	0.568	0.86	0.619	2.30E-72	1
Syk	1.19E-75	0.478	0.769	0.479	2.96E-71	1
Ifi207	7.05E-75	0.687	0.757	0.459	1.75E-70	1



Rnf149	1.27E-74	0.415	0.923	0.712	3.16E-70	1
Nceh1	2.05E-74	0.717	0.583	0.325	5.10E-70	1
2310022A10Rik	9.22E-74	0.739	0.513	0.27	2.29E-69	1
Atp1b3	1.11E-73	0.586	0.929	0.736	2.77E-69	1
Emp1	3.65E-73	0.964	0.709	0.438	9.06E-69	1
H2-Ab1	4.16E-73	0.712	0.874	0.63	1.03E-68	1
P2ry10	1.20E-72	-1.395	0.042	0.32	2.97E-68	1
Cndp2	8.42E-72	0.632	0.74	0.432	2.09E-67	1
Itga5	1.14E-71	0.528	0.691	0.415	2.83E-67	1
S100a10	1.15E-71	0.653	0.907	0.663	2.86E-67	1
Cstb	1.18E-71	0.394	0.953	0.768	2.94E-67	1
Arpc1b	1.49E-71	0.525	0.978	0.81	3.70E-67	1
Itgb2	1.58E-71	0.603	0.902	0.666	3.91E-67	1
Plin2	7.05E-71	0.464	0.899	0.576	1.75E-66	1
Klra2	9.64E-70	0.537	0.344	0.127	2.39E-65	1
Tbc1d9	4.89E-69	0.744	0.535	0.305	1.22E-64	1
Fth1	5.52E-69	0.385	0.998	0.981	1.37E-64	1
Lgmn	2.06E-68	0.321	0.831	0.448	5.11E-64	1
Tmem189	1.07E-67	0.550	0.831	0.59	2.66E-63	1
Prdx5	1.37E-67	0.654	0.79	0.557	3.41E-63	1
Rab7b	3.11E-67	0.634	0.666	0.381	7.73E-63	1
Fxyd5	6.10E-67	0.566	0.927	0.732	1.51E-62	1
Ifi204	9.73E-67	0.703	0.526	0.282	2.42E-62	1
H3f3a	9.97E-67	0.413	0.988	0.924	2.48E-62	1
Tpt1	1.18E-66	0.383	0.998	0.971	2.94E-62	1
H2-Q6	2.08E-66	-1.606	0.192	0.466	5.17E-62	1
Rab1a	6.14E-66	0.516	0.912	0.72	1.53E-61	1
Ugcg	9.27E-66	0.601	0.697	0.459	2.30E-61	1
Piezo1	3.14E-65	0.650	0.65	0.425	7.80E-61	1
Arl4c	8.01E-65	0.674	0.846	0.653	1.99E-60	1
Sdc1	1.08E-64	0.743	0.277	0.093	2.69E-60	1
Lrp1	2.74E-64	0.561	0.564	0.307	6.81E-60	1
Il6ra	2.79E-64	0.670	0.581	0.35	6.92E-60	1
H2-Aa	4.74E-64	0.719	0.836	0.612	1.18E-59	1
Cebpb	1.10E-61	0.357	0.97	0.747	2.72E-57	1
Stom	8.83E-61	0.712	0.484	0.274	2.19E-56	1
Clec4d	9.66E-60	-0.253	0.679	0.379	2.40E-55	1
Metrn1	2.01E-59	0.730	0.636	0.409	4.99E-55	1
Arg2	3.10E-59	0.355	0.427	0.189	7.71E-55	1
Atp6v1b2	7.90E-59	0.543	0.832	0.589	1.96E-54	1
Adora2b	1.08E-58	0.508	0.348	0.146	2.67E-54	1
Ly6e	1.29E-58	0.612	0.915	0.706	3.20E-54	1
Thbd	1.73E-58	0.742	0.289	0.108	4.30E-54	1
Rnh1	2.28E-58	0.489	0.783	0.555	5.66E-54	1
Mapk6	3.23E-58	0.528	0.75	0.529	8.02E-54	1
Aif1	1.24E-57	0.639	0.629	0.368	3.07E-53	1

5031439G07Rik	1.31E-57	0.595	0.614	0.391	3.26E-53	1
Mefv	1.02E-56	0.470	0.306	0.115	2.52E-52	1
Rarg	1.61E-56	0.507	0.348	0.154	3.99E-52	1
Anxa5	1.67E-56	0.572	0.827	0.582	4.14E-52	1
Rilpl2	2.34E-56	0.614	0.787	0.584	5.81E-52	1
Lyn	5.27E-56	0.498	0.707	0.477	1.31E-51	1
Lpxn	7.34E-56	0.585	0.604	0.396	1.82E-51	1
Clec4n	7.50E-56	0.781	0.47	0.244	1.86E-51	1
Lst1	1.29E-55	0.481	0.525	0.287	3.20E-51	1
Mdm2	2.46E-55	0.399	0.816	0.605	6.10E-51	1
Atp2b1	7.75E-55	0.590	0.884	0.683	1.93E-50	1
Anxa2	1.14E-54	0.555	0.911	0.682	2.84E-50	1
Gas7	3.86E-54	0.529	0.387	0.185	9.59E-50	1
Ccnd2	3.94E-54	-1.274	0.133	0.383	9.79E-50	1
Csf2ra	6.67E-54	0.511	0.827	0.574	1.66E-49	1
Gm5150	1.24E-53	0.471	0.272	0.104	3.09E-49	1
Mcl1	1.90E-53	0.413	0.983	0.879	4.71E-49	1
Pkm	2.13E-53	0.420	0.981	0.822	5.30E-49	1
Rybp	3.85E-53	0.421	0.748	0.535	9.57E-49	1
Il21r	5.57E-53	-1.000	0.055	0.282	1.38E-48	1
Tubb6	7.87E-53	0.564	0.69	0.468	1.95E-48	1
Lmna	2.39E-52	0.468	0.821	0.577	5.95E-48	1
Ldlrap1	3.36E-52	0.403	0.413	0.206	8.36E-48	1
Por	9.97E-52	0.373	0.739	0.492	2.48E-47	1
Rrbp1	1.02E-51	0.483	0.882	0.661	2.53E-47	1
Plec	1.46E-51	0.573	0.592	0.379	3.62E-47	1
Ppp2ca	2.02E-51	0.445	0.89	0.718	5.01E-47	1
H2-DMA	2.58E-51	0.564	0.59	0.35	6.40E-47	1
Gm2a	3.46E-51	0.391	0.882	0.61	8.60E-47	1
Med13l	4.59E-51	0.543	0.599	0.395	1.14E-46	1
Ist1	4.83E-51	0.455	0.8	0.603	1.20E-46	1
Card19	5.57E-51	0.302	0.737	0.491	1.38E-46	1
Trim25	7.73E-51	0.518	0.797	0.564	1.92E-46	1
Sdcbp	1.99E-50	0.376	0.968	0.792	4.93E-46	1
B3gnt5	2.48E-50	0.510	0.364	0.167	6.15E-46	1
Cux1	2.69E-50	0.552	0.565	0.372	6.69E-46	1
Gpr35	2.78E-50	0.462	0.552	0.325	6.91E-46	1
Slc39a14	1.38E-49	0.575	0.317	0.143	3.42E-45	1
Adam8	1.99E-49	0.384	0.865	0.636	4.94E-45	1
Ms4a8a	3.93E-49	0.480	0.293	0.117	9.76E-45	1
Dusp3	5.09E-49	0.627	0.549	0.354	1.26E-44	1
Lamp1	5.68E-49	0.320	0.924	0.615	1.41E-44	1
Clec4a3	1.49E-48	0.565	0.489	0.273	3.69E-44	1
Soat1	1.73E-48	0.424	0.665	0.432	4.29E-44	1
Hmgal	5.89E-48	0.567	0.49	0.31	1.46E-43	1
Klf4	8.71E-48	0.535	0.844	0.577	2.16E-43	1

Samsn1	1.31E-47	-1.642	0.331	0.54	3.25E-43	1
Cacul1	1.37E-47	0.440	0.68	0.481	3.41E-43	1
H2-Q7	2.62E-47	-1.140	0.233	0.463	6.51E-43	1
Inhba	2.63E-47	1.117	0.301	0.127	6.54E-43	1
Errfi1	4.56E-47	0.831	0.527	0.328	1.13E-42	1
Pld4	4.80E-47	0.543	0.574	0.351	1.19E-42	1
Nt5dc2	6.36E-47	0.574	0.31	0.144	1.58E-42	1
Actn1	7.22E-47	-1.076	0.071	0.286	1.79E-42	1
Lfng	1.43E-46	0.435	0.691	0.479	3.56E-42	1
Lasp1	1.50E-46	0.331	0.792	0.613	3.74E-42	1
Rgl1	2.10E-46	0.453	0.547	0.32	5.22E-42	1
C3ar1	2.16E-46	0.438	0.645	0.369	5.38E-42	1
H2-Eb1	2.29E-46	0.565	0.779	0.555	5.69E-42	1
Zbtb7a	2.69E-46	0.508	0.753	0.573	6.68E-42	1
Zmiz1	6.25E-46	0.559	0.658	0.476	1.55E-41	1
Clec4a1	1.00E-44	0.468	0.517	0.288	2.49E-40	1
Rars	5.48E-44	0.644	0.584	0.416	1.36E-39	1
H2-K1	6.56E-44	-0.667	0.977	0.943	1.63E-39	1
Calr	6.70E-44	0.433	0.983	0.853	1.66E-39	1
Uvrag	8.03E-44	0.451	0.583	0.39	2.00E-39	1
Ssfa2	9.30E-44	0.503	0.559	0.375	2.31E-39	1
Ldlr	1.23E-43	0.540	0.497	0.309	3.04E-39	1
Csrp1	1.36E-43	-0.660	0.108	0.332	3.39E-39	1
Anxa1	2.16E-43	0.506	0.632	0.392	5.37E-39	1
Tnfaip3	2.36E-43	-1.033	0.467	0.679	5.86E-39	1
Stx3	3.28E-43	0.449	0.439	0.255	8.14E-39	1
Ralb	1.03E-42	0.483	0.532	0.354	2.56E-38	1
Serpinb9	1.05E-42	-1.458	0.057	0.25	2.62E-38	1
Bach1	2.11E-42	0.590	0.678	0.484	5.25E-38	1
Litaf	3.94E-42	0.301	0.948	0.798	9.79E-38	1
Tcirg1	4.20E-42	0.432	0.668	0.463	1.04E-37	1
Tnfsf14	1.22E-41	0.444	0.348	0.165	3.04E-37	1
Igsf6	1.56E-41	0.410	0.402	0.219	3.87E-37	1
Cd86	1.94E-41	0.457	0.553	0.354	4.81E-37	1
Eif4a1	2.39E-41	0.370	0.966	0.842	5.93E-37	1
Cd52	3.79E-41	0.421	0.96	0.815	9.41E-37	1
Timp2	4.36E-41	-1.231	0.134	0.331	1.08E-36	1
Bcl2l11	8.34E-41	0.390	0.778	0.588	2.07E-36	1
Tlr2	1.12E-40	0.589	0.43	0.244	2.79E-36	1
Pmepa1	1.59E-40	-0.845	0.065	0.258	3.95E-36	1
Plekhm2	3.37E-40	0.421	0.489	0.307	8.37E-36	1
Rpl10	3.99E-40	0.426	0.911	0.74	9.91E-36	1
Arrdc4	4.66E-40	0.574	0.39	0.215	1.16E-35	1
Ets1	1.90E-39	-1.342	0.087	0.272	4.72E-35	1
Lhfpl2	1.95E-39	0.281	0.587	0.351	4.84E-35	1
Cd81	2.22E-39	-0.668	0.078	0.271	5.51E-35	1

Ucp2	4.02E-39	0.448	0.948	0.764	9.98E-35	1
Dgat1	4.36E-39	-1.328	0.167	0.369	1.08E-34	1
Csf2rb2	6.43E-39	0.357	0.634	0.428	1.60E-34	1
Scpep1	1.18E-38	0.411	0.764	0.518	2.93E-34	1
Cyth1	1.25E-38	0.394	0.551	0.368	3.10E-34	1
Slc16a10	1.44E-38	0.412	0.43	0.253	3.58E-34	1
Map2k4	1.51E-38	0.458	0.456	0.292	3.75E-34	1
Egr1	3.05E-38	-2.224	0.283	0.487	7.56E-34	1
Ctsz	3.71E-38	0.364	0.879	0.595	9.22E-34	1
Cmtm3	6.36E-38	0.510	0.541	0.366	1.58E-33	1
Sestd1	1.22E-37	0.495	0.381	0.224	3.02E-33	1
Pcyt1a	1.32E-37	0.529	0.605	0.431	3.27E-33	1
Trps1	1.93E-37	0.465	0.438	0.267	4.80E-33	1
Ctsa	2.16E-37	0.267	0.79	0.522	5.37E-33	1
Map7d1	2.43E-37	0.394	0.654	0.487	6.04E-33	1
Slc11a1	2.87E-37	0.264	0.564	0.334	7.14E-33	1
Fbxo28	3.04E-37	0.501	0.415	0.256	7.54E-33	1
Sem1	4.89E-37	0.392	0.85	0.666	1.22E-32	1
Sh2b2	5.32E-37	0.268	0.287	0.133	1.32E-32	1
Sec61g	8.05E-37	0.430	0.872	0.673	2.00E-32	1
Arg1	9.54E-37	1.107	0.348	0.179	2.37E-32	1
Pvr	1.17E-36	0.393	0.545	0.368	2.92E-32	1
Sat1	1.35E-36	0.527	0.95	0.822	3.34E-32	1
Flcn	1.53E-36	0.401	0.676	0.509	3.80E-32	1
Vegfa	1.54E-36	0.570	0.58	0.381	3.81E-32	1
Eno1	1.64E-36	0.452	0.824	0.632	4.07E-32	1
Sdc4	2.51E-36	0.756	0.655	0.493	6.24E-32	1
C3	2.70E-36	0.252	0.277	0.123	6.70E-32	1
Ms4a6b	2.74E-36	0.496	0.433	0.258	6.80E-32	1
Ly86	4.21E-36	0.513	0.656	0.438	1.05E-31	1
Apobec1	5.31E-36	0.545	0.468	0.294	1.32E-31	1
Prkcd	9.38E-36	0.349	0.739	0.549	2.33E-31	1
Unc93b1	1.19E-35	0.448	0.612	0.406	2.94E-31	1
P4hb	1.39E-35	0.357	0.855	0.685	3.45E-31	1
Capn2	1.44E-35	0.427	0.602	0.435	3.57E-31	1
Ninj1	3.01E-35	0.369	0.558	0.37	7.47E-31	1
Birc2	3.25E-35	-0.800	0.09	0.273	8.07E-31	1
Kdm2b	3.27E-35	-0.832	0.089	0.27	8.11E-31	1
Apoe	7.83E-35	-0.619	0.74	0.469	1.94E-30	1
Npc1	8.96E-35	0.345	0.555	0.37	2.23E-30	1
Klf3	1.04E-34	0.395	0.517	0.347	2.59E-30	1
Lamp2	1.71E-34	0.332	0.771	0.562	4.24E-30	1
Arhgap26	1.87E-34	0.341	0.251	0.115	4.65E-30	1
Esd	2.15E-34	0.378	0.692	0.516	5.34E-30	1
Fndc3b	2.82E-34	0.455	0.469	0.302	7.01E-30	1
Gabarap	3.55E-34	0.293	0.958	0.831	8.83E-30	1

St3gal1	4.71E-34	0.488	0.612	0.447	1.17E-29	1
Tln1	5.52E-34	0.404	0.812	0.648	1.37E-29	1
Ppig	8.22E-34	0.432	0.784	0.634	2.04E-29	1
Slc35e4	1.50E-33	0.458	0.314	0.173	3.72E-29	1
Hdac5	2.22E-33	0.297	0.324	0.173	5.53E-29	1
Cd93	2.95E-33	0.444	0.402	0.223	7.32E-29	1
Sh3bp5	3.37E-33	0.466	0.329	0.181	8.36E-29	1
CD4-pAbO (Ab)	4.33E-33	-2.774	0.84	0.888	1.08E-28	1
Spag9	5.26E-33	0.258	0.833	0.663	1.31E-28	1
Slc15a3	7.48E-33	0.349	0.644	0.469	1.86E-28	1
Malt1	8.81E-33	0.366	0.62	0.433	2.19E-28	1
Raph1	1.39E-32	0.482	0.473	0.314	3.46E-28	1
Eaf1	1.56E-32	0.430	0.522	0.365	3.87E-28	1
Pdia6	2.21E-32	0.410	0.639	0.46	5.50E-28	1
Slc7a8	2.50E-32	0.413	0.462	0.293	6.20E-28	1
Spi1	5.08E-32	0.331	0.744	0.535	1.26E-27	1
Hspa5	5.27E-32	0.402	0.995	0.951	1.31E-27	1
Cst3	5.64E-32	-0.601	0.984	0.759	1.40E-27	1
Laptn4a	7.01E-32	0.363	0.835	0.632	1.74E-27	1
Gan	7.23E-32	0.437	0.287	0.148	1.80E-27	1
Pitpna	7.79E-32	0.390	0.787	0.609	1.94E-27	1
Nr4a3	8.18E-32	-1.339	0.358	0.514	2.03E-27	1
Mxi1	1.20E-31	0.493	0.595	0.432	2.98E-27	1
Azin1	1.47E-31	0.321	0.73	0.579	3.66E-27	1
Pip5k1c	1.49E-31	0.355	0.681	0.524	3.70E-27	1
Serp1	1.63E-31	0.347	0.787	0.618	4.06E-27	1
Ccdc711	2.29E-31	0.472	0.411	0.259	5.69E-27	1
Lmo4	2.70E-31	0.385	0.58	0.414	6.70E-27	1
Ifnar2	3.24E-31	0.384	0.481	0.328	8.04E-27	1
Fam49b	3.26E-31	0.395	0.739	0.581	8.11E-27	1
Fnip1	4.51E-31	0.277	0.703	0.533	1.12E-26	1
Cbx3	4.59E-31	-0.685	0.25	0.434	1.14E-26	1
Vapa	5.17E-31	0.338	0.764	0.595	1.28E-26	1
Pilra	5.55E-31	0.427	0.305	0.16	1.38E-26	1
Fosl1	6.47E-31	0.334	0.293	0.148	1.61E-26	1
Hipk1	9.93E-31	0.458	0.566	0.428	2.47E-26	1
Cbfa2t3	1.23E-30	0.461	0.479	0.301	3.04E-26	1
Hmgn1	1.70E-30	-0.498	0.167	0.354	4.23E-26	1
S100a11	2.85E-30	0.308	0.934	0.784	7.08E-26	1
Zfp703	3.85E-30	0.381	0.66	0.489	9.56E-26	1
Abl2	3.94E-30	0.371	0.508	0.349	9.79E-26	1
Plekha2	4.73E-30	-0.668	0.171	0.361	1.17E-25	1
Runx3	6.48E-30	0.416	0.656	0.47	1.61E-25	1
Map2k3	7.36E-30	0.287	0.872	0.707	1.83E-25	1
Bag3	9.27E-30	0.490	0.564	0.406	2.30E-25	1
Furin	1.16E-29	0.256	0.694	0.519	2.88E-25	1

Cers2	1.34E-29	0.382	0.623	0.48	3.34E-25	1
Slc2a1	1.96E-29	0.398	0.631	0.452	4.86E-25	1
Aes	2.62E-29	-0.588	0.442	0.586	6.52E-25	1
Cflar	4.31E-29	0.344	0.718	0.568	1.07E-24	1
Tet3	4.50E-29	0.416	0.457	0.306	1.12E-24	1
Tor1aip1	5.45E-29	0.424	0.667	0.534	1.35E-24	1
Entpd7	5.68E-29	0.487	0.404	0.266	1.41E-24	1
Ssr3	8.05E-29	0.367	0.797	0.626	2.00E-24	1
Runx1	1.05E-28	0.355	0.619	0.455	2.61E-24	1
Rap2b	1.22E-28	0.383	0.529	0.375	3.04E-24	1
Epb4112	1.34E-28	0.384	0.56	0.42	3.32E-24	1
Rtn4	1.72E-28	0.359	0.775	0.6	4.27E-24	1
Ccl2	1.84E-28	0.659	0.477	0.301	4.57E-24	1
Dab2	1.97E-28	0.384	0.605	0.395	4.90E-24	1
Cfp	2.42E-28	0.414	0.557	0.378	6.01E-24	1
Apobec3	2.54E-28	-0.475	0.113	0.283	6.30E-24	1
Havcr2	2.89E-28	0.543	0.459	0.31	7.18E-24	1
D16Erd472e	2.94E-28	-1.045	0.168	0.33	7.29E-24	1
Specc11	3.13E-28	0.385	0.451	0.309	7.78E-24	1
Aebp2	3.62E-28	-0.741	0.269	0.45	8.99E-24	1
Notch2	3.66E-28	0.290	0.488	0.338	9.08E-24	1
Rora	3.76E-28	-1.420	0.105	0.259	9.34E-24	1
Manf	4.60E-28	0.389	0.676	0.514	1.14E-23	1
Cdc42ep4	4.62E-28	0.364	0.275	0.145	1.15E-23	1
Rap1a	4.70E-28	0.351	0.741	0.581	1.17E-23	1
Gas2l3	5.47E-28	0.386	0.486	0.336	1.36E-23	1
Sbno2	5.52E-28	0.329	0.541	0.383	1.37E-23	1
Actn4	5.66E-28	0.388	0.742	0.587	1.41E-23	1
H2-DMb1	8.01E-28	0.436	0.44	0.282	1.99E-23	1
Sod2	8.11E-28	0.334	0.644	0.509	2.02E-23	1
Ppp1cc	8.89E-28	-0.755	0.328	0.494	2.21E-23	1
Btg2	1.14E-27	-0.949	0.352	0.527	2.83E-23	1
Wdr26	1.17E-27	0.313	0.833	0.688	2.91E-23	1
Fam214b	1.42E-27	0.374	0.435	0.293	3.53E-23	1
Ecm1	1.69E-27	0.523	0.421	0.268	4.19E-23	1
Dirc2	1.75E-27	0.376	0.405	0.264	4.35E-23	1
Arf2	2.32E-27	0.430	0.394	0.262	5.76E-23	1
Kdm7a	2.32E-27	0.365	0.61	0.462	5.76E-23	1
Mindy1	3.83E-27	0.256	0.389	0.248	9.52E-23	1
Pxk	3.89E-27	0.388	0.353	0.221	9.67E-23	1
Zfp516	4.43E-27	0.420	0.335	0.201	1.10E-22	1
Gapdh	5.59E-27	0.381	0.987	0.922	1.39E-22	1
Ctsh	9.31E-27	0.270	0.678	0.45	2.31E-22	1
Alas1	2.61E-26	0.314	0.327	0.189	6.47E-22	1
Tspan14	2.92E-26	0.403	0.547	0.409	7.26E-22	1
Lrrfip1	3.12E-26	0.258	0.767	0.618	7.75E-22	1

Kcnn4	3.16E-26	0.492	0.503	0.356	7.84E-22	1
Capza2	3.17E-26	0.349	0.784	0.638	7.88E-22	1
Tmpo	3.23E-26	-0.502	0.156	0.325	8.02E-22	1
Fgr	5.51E-26	0.326	0.346	0.207	1.37E-21	1
Pdia3	9.23E-26	0.361	0.83	0.631	2.29E-21	1
Tmed9	9.99E-26	0.356	0.748	0.576	2.48E-21	1
Mcub	1.17E-25	0.395	0.317	0.197	2.91E-21	1
Sgpl1	1.69E-25	0.290	0.747	0.575	4.21E-21	1
Slc16a3	1.84E-25	0.290	0.379	0.236	4.57E-21	1
Rps25	1.98E-25	0.293	0.974	0.826	4.91E-21	1
Tbrg1	2.06E-25	-0.300	0.095	0.253	5.11E-21	1
Clic1	2.17E-25	0.324	0.772	0.604	5.38E-21	1
Rbbp7	2.18E-25	-0.440	0.188	0.364	5.42E-21	1
AW112010	2.35E-25	-1.117	0.224	0.379	5.83E-21	1
Nfam1	2.42E-25	0.355	0.358	0.226	6.02E-21	1
Cyba	2.78E-25	0.263	0.881	0.658	6.90E-21	1
Pxn	3.04E-25	0.327	0.494	0.354	7.56E-21	1
Fndc3a	3.07E-25	0.317	0.424	0.286	7.63E-21	1
Slc25a4	3.26E-25	-0.393	0.214	0.393	8.10E-21	1
Tmed10	5.51E-25	0.328	0.755	0.559	1.37E-20	1
Btg1	7.25E-25	0.255	0.976	0.915	1.80E-20	1
Pdxk	8.91E-25	0.382	0.42	0.287	2.21E-20	1
Cmpk1	9.10E-25	0.394	0.573	0.446	2.26E-20	1
Slc8b1	1.10E-24	0.401	0.381	0.254	2.74E-20	1
Crtc3	1.18E-24	0.419	0.395	0.267	2.93E-20	1
Gnai2	1.20E-24	0.311	0.942	0.774	2.97E-20	1
Bst1	1.53E-24	0.349	0.309	0.182	3.80E-20	1
Tiparp	2.05E-24	0.294	0.734	0.563	5.09E-20	1
AI504432	2.06E-24	0.369	0.319	0.191	5.11E-20	1
Zcchc2	2.21E-24	0.310	0.407	0.268	5.49E-20	1
Rassf3	2.23E-24	0.396	0.557	0.421	5.54E-20	1
Pcbp1	2.79E-24	0.293	0.913	0.774	6.93E-20	1
Slc6a6	4.09E-24	0.299	0.735	0.557	1.02E-19	1
Casp3	6.23E-24	-0.693	0.243	0.408	1.55E-19	1
Tatdn2	8.07E-24	0.300	0.499	0.365	2.00E-19	1
Ccl8	1.14E-23	-2.778	0.124	0.262	2.82E-19	1
Cd300c2	1.21E-23	0.348	0.393	0.26	3.01E-19	1
Rpl10-ps3	1.23E-23	0.300	0.741	0.585	3.06E-19	1
Plcg2	1.53E-23	0.398	0.378	0.259	3.80E-19	1
Tmem43	2.07E-23	0.403	0.36	0.241	5.13E-19	1
Mmp14	2.31E-23	0.475	0.313	0.191	5.73E-19	1
Trim35	2.41E-23	-0.370	0.106	0.257	5.98E-19	1
Psen1	2.83E-23	0.353	0.539	0.427	7.04E-19	1
Aprt	3.78E-23	0.339	0.468	0.335	9.40E-19	1
Naaa	4.07E-23	0.251	0.466	0.309	1.01E-18	1
Laptm5	4.58E-23	0.255	0.967	0.843	1.14E-18	1

Samd8	5.41E-23	0.378	0.382	0.253	1.34E-18	1
Cd82	6.16E-23	-0.499	0.109	0.252	1.53E-18	1
Mapk1ip1l	8.23E-23	0.345	0.539	0.419	2.04E-18	1
Vgll4	1.30E-22	-0.732	0.125	0.266	3.22E-18	1
Rnf130	1.37E-22	0.290	0.557	0.396	3.41E-18	1
Gpx1	1.44E-22	0.328	0.862	0.66	3.58E-18	1
Bcl10	1.70E-22	0.318	0.507	0.395	4.22E-18	1
Degs1	1.89E-22	0.360	0.555	0.443	4.69E-18	1
Sowahc	2.11E-22	0.360	0.427	0.295	5.24E-18	1
Bcl3	2.24E-22	0.331	0.479	0.346	5.57E-18	1
Junb	3.16E-22	-0.796	0.943	0.925	7.85E-18	1
Nus1	3.99E-22	0.360	0.542	0.411	9.90E-18	1
Fau	4.03E-22	0.258	0.984	0.894	1.00E-17	1
Slc29a3	4.64E-22	0.443	0.384	0.266	1.15E-17	1
Mkrn1	5.90E-22	0.255	0.627	0.501	1.46E-17	1
Insig1	6.40E-22	0.356	0.582	0.454	1.59E-17	1
Glud1	6.59E-22	0.338	0.683	0.545	1.64E-17	1
Atp1a3	7.47E-22	0.334	0.312	0.191	1.85E-17	1
Eid1	7.96E-22	0.436	0.561	0.429	1.98E-17	1
Nabp1	2.17E-21	-0.770	0.212	0.368	5.40E-17	1
Nfkbiz	2.71E-21	-1.044	0.316	0.464	6.74E-17	1
Tnfrsf1a	2.83E-21	0.367	0.424	0.31	7.03E-17	1
Ncoa4	2.85E-21	-0.491	0.159	0.312	7.07E-17	1
Lrrc25	2.85E-21	0.344	0.4	0.277	7.09E-17	1
Klf6	3.88E-21	0.276	0.964	0.832	9.64E-17	1
Ppp1r18	3.99E-21	0.337	0.611	0.504	9.92E-17	1
Slnf8	4.87E-21	0.261	0.265	0.149	1.21E-16	1
Hpcal1	7.38E-21	0.310	0.559	0.44	1.83E-16	1
Rps28	8.32E-21	0.255	0.987	0.876	2.07E-16	1
Dtx2	8.39E-21	0.316	0.292	0.182	2.08E-16	1
Tet2	1.09E-20	0.277	0.467	0.335	2.70E-16	1
Lat2	1.25E-20	0.301	0.487	0.349	3.10E-16	1
AB124611	1.91E-20	0.315	0.339	0.228	4.74E-16	1
Ern1	2.03E-20	0.335	0.31	0.197	5.05E-16	1
Tiam1	2.15E-20	0.345	0.355	0.23	5.35E-16	1
Mdh1	3.05E-20	-0.444	0.281	0.446	7.57E-16	1
Lats2	3.57E-20	0.288	0.536	0.415	8.87E-16	1
Napsa	3.59E-20	0.298	0.316	0.192	8.92E-16	1
Cd300lf	3.66E-20	-0.314	0.547	0.374	9.08E-16	1
Pgd	6.87E-20	0.262	0.54	0.411	1.71E-15	1
Cd24a	7.42E-20	-1.766	0.211	0.335	1.84E-15	1
Tgfbr2	7.93E-20	-0.480	0.152	0.295	1.97E-15	1
Trp53bp2	7.97E-20	0.323	0.274	0.166	1.98E-15	1
Cers6	8.23E-20	0.317	0.367	0.251	2.04E-15	1
Cyld	1.13E-19	-0.449	0.128	0.27	2.80E-15	1
Rac1	1.23E-19	0.274	0.9	0.722	3.06E-15	1



Mef2a	1.30E-19	0.310	0.54	0.414	3.24E-15	1
Tpi1	1.68E-19	0.349	0.695	0.549	4.18E-15	1
Fkbp3	1.73E-19	-0.317	0.142	0.287	4.29E-15	1
Gpd2	1.76E-19	0.344	0.4	0.276	4.36E-15	1
Dpep2	2.25E-19	0.376	0.267	0.165	5.59E-15	1
Acadl	2.83E-19	-0.334	0.213	0.37	7.03E-15	1
Mt1	4.77E-19	0.386	0.892	0.749	1.19E-14	1
Rab5c	5.06E-19	0.278	0.747	0.579	1.26E-14	1
Limd2	5.15E-19	-0.381	0.122	0.258	1.28E-14	1
Tram1	5.49E-19	0.312	0.564	0.453	1.36E-14	1
Anxa6	6.27E-19	-0.580	0.256	0.404	1.56E-14	1
Anpep	6.54E-19	-0.380	0.145	0.284	1.62E-14	1
Ifi211	7.03E-19	0.402	0.309	0.204	1.75E-14	1
Ywhag	1.07E-18	0.303	0.643	0.527	2.66E-14	1
Stat1	1.13E-18	-0.601	0.253	0.406	2.82E-14	1
Atp1a1	1.24E-18	0.303	0.705	0.568	3.08E-14	1
Preli1	1.29E-18	0.287	0.668	0.529	3.20E-14	1
Ndufab1	1.54E-18	-0.354	0.265	0.416	3.82E-14	1
Arl8a	1.54E-18	0.301	0.503	0.39	3.82E-14	1
Reep3	1.62E-18	0.334	0.558	0.435	4.03E-14	1
Tspo	2.09E-18	0.286	0.685	0.549	5.19E-14	1
Wipf1	2.36E-18	0.263	0.66	0.541	5.86E-14	1
Rgs2	2.41E-18	-0.888	0.661	0.727	5.98E-14	1
Sri	2.53E-18	-0.366	0.272	0.427	6.27E-14	1
Dusp2	2.64E-18	-1.062	0.338	0.465	6.56E-14	1
Snx5	2.98E-18	0.276	0.75	0.573	7.39E-14	1
Nfe2l2	3.27E-18	0.299	0.699	0.552	8.13E-14	1
Odc1	3.72E-18	-1.024	0.619	0.696	9.24E-14	1
Ppp1r15b	3.76E-18	0.265	0.586	0.475	9.33E-14	1
Mfsd1	3.97E-18	0.258	0.532	0.402	9.87E-14	1
Skap2	4.35E-18	0.263	0.565	0.446	1.08E-13	1
Man2a1	4.95E-18	0.387	0.47	0.363	1.23E-13	1
Pten	6.09E-18	0.327	0.7	0.583	1.51E-13	1
Tm6sf1	7.04E-18	0.252	0.433	0.32	1.75E-13	1
Prrc2b	8.37E-18	-0.425	0.162	0.303	2.08E-13	1
Ddit4	8.99E-18	-0.658	0.181	0.314	2.23E-13	1
Tfrc	1.02E-17	-0.547	0.158	0.286	2.54E-13	1
Abcg1	1.06E-17	0.423	0.412	0.299	2.64E-13	1
Adam15	1.08E-17	0.338	0.428	0.306	2.69E-13	1
Neurl3	1.20E-17	-0.849	0.281	0.415	2.97E-13	1
Galnt1	1.29E-17	-0.356	0.246	0.393	3.22E-13	1
Tmem184b	1.31E-17	0.311	0.322	0.222	3.24E-13	1
Rcc2	1.32E-17	-0.311	0.127	0.263	3.27E-13	1
Cd37	1.58E-17	-0.448	0.195	0.338	3.93E-13	1
Tpst2	1.94E-17	0.277	0.547	0.447	4.82E-13	1
Tkt	2.17E-17	0.314	0.572	0.459	5.38E-13	1

Ssbp3	2.62E-17	-0.354	0.142	0.278	6.52E-13	1
Egln3	2.77E-17	0.578	0.289	0.182	6.87E-13	1
Zbtb1	3.36E-17	-0.559	0.2	0.338	8.33E-13	1
Oas1a	3.43E-17	0.324	0.257	0.163	8.52E-13	1
Pirb	4.46E-17	0.341	0.393	0.293	1.11E-12	1
Rgs1	4.48E-17	-0.721	0.484	0.61	1.11E-12	1
Sspl2a	7.21E-17	0.321	0.569	0.463	1.79E-12	1
Bcl2a1b	7.25E-17	-0.419	0.163	0.298	1.80E-12	1
Zfp52	8.02E-17	0.255	0.425	0.304	1.99E-12	1
Klhl9	8.03E-17	0.273	0.403	0.307	1.99E-12	1
Paics	8.32E-17	-0.309	0.206	0.35	2.07E-12	1
Map2k1	8.70E-17	0.302	0.52	0.425	2.16E-12	1
Cnn2	9.07E-17	-0.639	0.319	0.441	2.25E-12	1
Gadd45b	9.12E-17	-0.893	0.485	0.588	2.27E-12	1
Kmt5a	9.22E-17	0.289	0.528	0.431	2.29E-12	1
Ncf4	9.73E-17	0.265	0.31	0.214	2.42E-12	1
Slnf5	9.82E-17	0.405	0.403	0.298	2.44E-12	1
Pnrc1	1.16E-16	-0.770	0.668	0.747	2.88E-12	1
Cbx4	1.37E-16	-0.544	0.214	0.347	3.41E-12	1
Tuba1a	1.53E-16	-0.571	0.254	0.387	3.79E-12	1
Hist1h2bc	1.57E-16	-0.398	0.181	0.319	3.91E-12	1
Pttglip	1.59E-16	0.306	0.505	0.399	3.96E-12	1
Rraga	1.68E-16	0.342	0.549	0.452	4.18E-12	1
Cxcl2	1.97E-16	-0.660	0.779	0.636	4.90E-12	1
Eif1a	2.33E-16	0.281	0.596	0.494	5.78E-12	1
Eno1b	2.63E-16	0.285	0.483	0.371	6.53E-12	1
N4bp1	2.90E-16	0.265	0.551	0.454	7.20E-12	1
Cblb	3.22E-16	-0.464	0.176	0.308	7.99E-12	1
Filip1l	3.48E-16	0.277	0.311	0.208	8.63E-12	1
Dynll2	3.73E-16	-0.322	0.164	0.298	9.26E-12	1
Dnmt3a	4.52E-16	-0.411	0.158	0.285	1.12E-11	1
Vps18	6.56E-16	0.270	0.39	0.289	1.63E-11	1
Olfm1	6.80E-16	0.254	0.389	0.267	1.69E-11	1
Sh3bgrl	7.06E-16	0.295	0.644	0.498	1.75E-11	1
Thap12	7.88E-16	-0.389	0.141	0.262	1.96E-11	1
Sdc3	8.31E-16	0.285	0.508	0.371	2.06E-11	1
Arhgdib	1.54E-15	0.276	0.784	0.657	3.84E-11	1
Pi4k2a	2.66E-15	0.258	0.422	0.334	6.62E-11	1
Il6st	2.98E-15	0.349	0.346	0.25	7.41E-11	1
Appl1	3.35E-15	-0.399	0.168	0.295	8.33E-11	1
Mfsd5	4.40E-15	0.280	0.354	0.267	1.09E-10	1
Milr1	5.29E-15	0.345	0.269	0.182	1.31E-10	1
Stam2	5.39E-15	0.374	0.329	0.243	1.34E-10	1
Lbh	5.49E-15	-0.339	0.141	0.264	1.36E-10	1
Vat1	5.86E-15	0.265	0.502	0.37	1.46E-10	1
Dnajb11	7.10E-15	0.317	0.471	0.386	1.76E-10	1

Rpl12	1.00E-14	-0.460	0.834	0.75	2.49E-10	1
Plekho1	1.06E-14	0.307	0.407	0.316	2.62E-10	1
Cmas	1.07E-14	0.369	0.44	0.36	2.67E-10	1
Nucks1	1.32E-14	-0.373	0.236	0.364	3.27E-10	1
Tmem123	1.47E-14	-1.064	0.458	0.561	3.65E-10	1
Uso1	1.50E-14	0.293	0.416	0.329	3.72E-10	1
Ptprj	1.50E-14	0.329	0.504	0.415	3.74E-10	1
Pdpn	1.57E-14	0.550	0.273	0.175	3.90E-10	1
Mgat2	1.59E-14	0.285	0.453	0.366	3.95E-10	1
Slc11a2	2.08E-14	0.304	0.34	0.251	5.18E-10	1
Stmn1	3.72E-14	-0.673	0.182	0.29	9.24E-10	1
Ptpn1	4.14E-14	0.264	0.621	0.524	1.03E-09	1
Ubc	4.74E-14	-0.553	0.98	0.951	1.18E-09	1
Ndrgr1	6.09E-14	0.496	0.539	0.435	1.51E-09	1
Foxo1	6.60E-14	-0.532	0.168	0.28	1.64E-09	1
Sptlc2	7.25E-14	0.342	0.45	0.374	1.80E-09	1
Cnih4	7.27E-14	0.293	0.405	0.321	1.81E-09	1
Cd300lb	8.94E-14	0.260	0.274	0.185	2.22E-09	1
Plod3	9.22E-14	0.328	0.251	0.173	2.29E-09	1
H2afj	9.53E-14	0.253	0.459	0.374	2.37E-09	1
Snx8	1.09E-13	0.288	0.347	0.261	2.70E-09	1
Nlrp3	1.39E-13	-0.718	0.634	0.483	3.46E-09	1
Pmaip1	1.57E-13	-0.625	0.304	0.427	3.89E-09	1
Mif4gd	1.60E-13	-0.346	0.201	0.332	3.96E-09	1
Mrpl33	1.67E-13	0.258	0.548	0.46	4.16E-09	1
Nfkbid	1.71E-13	-0.716	0.198	0.311	4.25E-09	1
Sgms1	1.73E-13	0.355	0.391	0.299	4.29E-09	1
Dnajb6	2.33E-13	-0.536	0.513	0.612	5.79E-09	1
Chmp2b	2.40E-13	0.268	0.41	0.329	5.96E-09	1
Oxct1	2.89E-13	-0.296	0.247	0.371	7.17E-09	1
Ptms	2.95E-13	-0.567	0.684	0.672	7.33E-09	1
Tpm1	3.21E-13	-0.317	0.141	0.255	7.98E-09	1
Ubald1	3.94E-13	-0.284	0.191	0.32	9.79E-09	1
Cyb5a	3.99E-13	-0.294	0.278	0.419	9.91E-09	1
Mrc1	5.40E-13	0.396	0.437	0.313	1.34E-08	1
Ndfip1	5.45E-13	-0.368	0.198	0.323	1.35E-08	1
Emc7	5.48E-13	0.264	0.469	0.382	1.36E-08	1
Fbxo34	5.56E-13	0.295	0.341	0.252	1.38E-08	1
Fkbp1a	5.56E-13	0.250	0.647	0.54	1.38E-08	1
Chordc1	6.14E-13	-0.346	0.226	0.355	1.53E-08	1
Chd3	7.45E-13	-0.348	0.147	0.261	1.85E-08	1
Prdx6	7.81E-13	0.275	0.632	0.556	1.94E-08	1
Nrros	8.29E-13	0.257	0.567	0.464	2.06E-08	1
Lsm12	9.75E-13	0.307	0.517	0.451	2.42E-08	1
Chd2	1.17E-12	-0.525	0.319	0.446	2.90E-08	1
Pf4	1.27E-12	-0.706	0.156	0.255	3.15E-08	1

Idi1	1.29E-12	-0.418	0.152	0.258	3.20E-08	1
Nufip1	1.29E-12	0.266	0.281	0.2	3.21E-08	1
Ptpn22	1.54E-12	-0.703	0.177	0.277	3.83E-08	1
Lrpap1	1.90E-12	0.261	0.286	0.21	4.72E-08	1
Sars	2.58E-12	-0.253	0.223	0.352	6.41E-08	1
Arl6ip1	3.08E-12	-0.564	0.62	0.641	7.64E-08	1
Sh3pxd2b	3.19E-12	0.315	0.33	0.255	7.92E-08	1
Cpne2	3.35E-12	-0.356	0.167	0.279	8.32E-08	1
Csgalnact2	3.81E-12	0.266	0.261	0.186	9.46E-08	1
Nr4a1	3.94E-12	-0.640	0.431	0.543	9.79E-08	1
Tmem176b	4.04E-12	0.312	0.287	0.196	1.00E-07	1
Gpi1	5.03E-12	0.282	0.714	0.622	1.25E-07	1
Ikzf1	6.60E-12	-0.289	0.183	0.301	1.64E-07	1
Hyou1	6.81E-12	0.276	0.373	0.296	1.69E-07	1
Ube2a	7.50E-12	0.259	0.469	0.4	1.86E-07	1
Sdf4	9.60E-12	-0.522	0.322	0.447	2.38E-07	1
Cntrl	9.71E-12	-0.305	0.152	0.258	2.41E-07	1
Eprs	1.05E-11	-0.464	0.316	0.435	2.60E-07	1
Fam129a	1.19E-11	-0.329	0.178	0.288	2.96E-07	1
Tnfaip8	1.38E-11	-0.418	0.302	0.422	3.43E-07	1
Elk3	1.68E-11	0.289	0.333	0.26	4.17E-07	1
Cnot6l	1.86E-11	-0.383	0.237	0.36	4.61E-07	1
H2-D1	1.95E-11	-0.254	0.998	0.961	4.84E-07	1
Dnaja1	1.98E-11	-0.487	0.795	0.782	4.92E-07	1
CD8a-pAbO (Ab)	2.43E-11	-1.647	0.669	0.714	6.04E-07	1
Sun2	3.36E-11	-0.498	0.307	0.428	8.35E-07	1
Klf2	4.26E-11	-0.706	0.217	0.314	1.06E-06	1
Clec2d	4.31E-11	-0.345	0.182	0.288	1.07E-06	1
Akr1b3	4.39E-11	-0.260	0.253	0.373	1.09E-06	1
Bcl2a1d	4.65E-11	-0.407	0.292	0.41	1.16E-06	1
Serinc3	4.70E-11	-0.565	0.817	0.786	1.17E-06	1
Maz	5.09E-11	-0.288	0.289	0.42	1.26E-06	1
1700020I14Rik	5.84E-11	-0.257	0.162	0.272	1.45E-06	1
Chd4	5.96E-11	-0.570	0.601	0.672	1.48E-06	1
Lcp1	6.87E-11	-0.433	0.866	0.779	1.71E-06	1
Lrrc59	7.69E-11	0.280	0.445	0.379	1.91E-06	1
Nsf	8.64E-11	0.334	0.346	0.282	2.14E-06	1
Tmbim1	9.13E-11	0.284	0.349	0.285	2.27E-06	1
Mt2	9.14E-11	-0.391	0.448	0.539	2.27E-06	1
Nr3c1	1.13E-10	-0.664	0.295	0.402	2.82E-06	1
Ccl3	1.17E-10	-2.753	0.238	0.324	2.91E-06	1
Mrpl52	1.22E-10	0.261	0.426	0.363	3.02E-06	1
Slc39a1	1.25E-10	0.253	0.475	0.403	3.09E-06	1
Hmgn2	1.45E-10	-0.328	0.198	0.303	3.59E-06	1
Ccl4	1.61E-10	-1.837	0.247	0.341	4.00E-06	1
Wnk1	1.63E-10	-0.526	0.686	0.719	4.05E-06	1

H2-Q4	1.78E-10	-0.547	0.467	0.556	4.41E-06	1
R3hdm4	1.85E-10	-0.281	0.247	0.371	4.60E-06	1
Hnrnpa2b1	2.28E-10	-0.325	0.899	0.845	5.66E-06	1
Dock2	2.66E-10	-0.342	0.268	0.391	6.61E-06	1
Rsb1	2.71E-10	0.327	0.364	0.285	6.74E-06	1
Cited2	4.40E-10	-0.608	0.435	0.529	1.09E-05	1
Fam107b	4.90E-10	-0.716	0.453	0.533	1.22E-05	1
Jund	8.14E-10	-0.340	0.932	0.916	2.02E-05	1
Ifi209	8.73E-10	0.330	0.268	0.197	2.17E-05	1
Ccng1	9.16E-10	-0.263	0.219	0.327	2.27E-05	1
Akap13	9.48E-10	-0.520	0.498	0.592	2.36E-05	1
Plxnb2	1.29E-09	0.251	0.295	0.229	3.20E-05	1
Mbnl1	1.34E-09	-0.591	0.552	0.592	3.33E-05	1
Dok2	1.51E-09	0.255	0.272	0.204	3.75E-05	1
Smc4	1.69E-09	-0.574	0.297	0.39	4.21E-05	1
Gabpb1	1.85E-09	-0.420	0.168	0.26	4.59E-05	1
Sgk1	2.62E-09	0.280	0.413	0.327	6.51E-05	1
Eif4ebp1	2.82E-09	0.268	0.271	0.208	7.01E-05	1
Tank	2.89E-09	-0.279	0.23	0.338	7.17E-05	1
Snx30	3.56E-09	0.283	0.309	0.247	8.85E-05	1
Dse	3.74E-09	0.269	0.288	0.223	9.30E-05	1
Chchd2	3.75E-09	-0.258	0.914	0.832	9.30E-05	1
Fnbp1	3.90E-09	-0.482	0.436	0.523	9.68E-05	1
Ssh2	4.55E-09	-0.406	0.168	0.258	0.000112969	1
Gyg	4.56E-09	-0.450	0.24	0.34	0.000113329	1
Gpalpp1	5.44E-09	0.273	0.281	0.22	0.000135013	1
Lbr	5.49E-09	-0.444	0.198	0.284	0.000136288	1
Gm42418	5.52E-09	-0.355	0.957	0.901	0.000137135	1
Nfatc3	5.59E-09	-0.313	0.179	0.275	0.00013883	1
Celf2	6.14E-09	-0.429	0.516	0.571	0.000152438	1
Cnbp	6.93E-09	-0.441	0.826	0.778	0.000172078	1
Siva1	8.05E-09	0.251	0.282	0.222	0.000199978	1
Traf1	8.92E-09	-0.602	0.321	0.392	0.000221668	1
Uald2	1.15E-08	-0.402	0.308	0.408	0.000285078	1
Mthfsl	1.59E-08	-0.284	0.169	0.262	0.000395102	1
Il7r	1.83E-08	-0.520	0.284	0.372	0.000453578	1
Tgoln1	2.49E-08	-0.555	0.592	0.651	0.000618415	1
Ifngr2	2.79E-08	0.253	0.347	0.293	0.000693792	1
Sh3kbp1	3.49E-08	-0.407	0.363	0.451	0.00086793	1
Gnas	3.88E-08	-0.370	0.93	0.802	0.000963251	1
Selenop	5.25E-08	-1.052	0.522	0.392	0.001303694	1
Fam102b	5.30E-08	0.339	0.282	0.227	0.001315303	1
Lipa	5.45E-08	-0.450	0.274	0.355	0.001352487	1
Nrip1	5.58E-08	-0.406	0.175	0.258	0.00138669	1
Cd9	5.85E-08	-0.588	0.391	0.477	0.001452174	1
Hdac1	6.35E-08	-0.252	0.24	0.337	0.001577131	1

Icam1	8.84E-08	-0.510	0.309	0.397	0.002196993	1
Ncf1	1.02E-07	-0.342	0.195	0.281	0.002528817	1
Jak2	1.37E-07	-0.507	0.378	0.45	0.003395884	1
Smc6	1.60E-07	-0.284	0.279	0.374	0.003984486	1
Ncl	1.66E-07	-0.283	0.906	0.835	0.004122731	1
Myo1g	1.85E-07	-0.396	0.302	0.401	0.004607245	1
Crem	2.51E-07	-0.785	0.601	0.626	0.006246728	1
Atrx	2.99E-07	-0.434	0.415	0.504	0.007426151	1
mt-Nd3	4.55E-07	-0.364	0.888	0.841	0.011304362	1
Naga	9.50E-07	-0.290	0.186	0.264	0.023602289	1
Ss18	1.02E-06	-0.334	0.232	0.319	0.025356564	1
Itm2c	1.07E-06	-0.426	0.525	0.571	0.02646323	1
B4galnt1	1.07E-06	-0.283	0.241	0.327	0.026685873	1
Phf2011	1.08E-06	-0.353	0.205	0.289	0.026934072	1
4932438A13Rik	1.09E-06	-0.418	0.237	0.319	0.027031161	1
Sf3b2	1.57E-06	-0.252	0.366	0.461	0.038887343	1
Cd63	1.79E-06	-0.721	0.484	0.471	0.044375074	1
Ier2	2.24E-06	-0.480	0.417	0.494	0.055669151	1
Tipr1	2.52E-06	-0.281	0.258	0.349	0.062651894	1
Hmgb1	2.59E-06	-0.505	0.655	0.634	0.064300634	1
Nfkb2	2.99E-06	-0.299	0.194	0.27	0.074373787	1
Zfp281	3.15E-06	-0.371	0.179	0.252	0.07820035	1
Ube2b	3.71E-06	-0.420	0.576	0.635	0.092076624	1
Ramp3	4.32E-06	-0.513	0.192	0.255	0.107385122	1
Herc1	4.49E-06	-0.352	0.211	0.291	0.111412061	1
Stk17b	4.61E-06	-0.464	0.579	0.636	0.114540953	1
Nap111	4.96E-06	-0.455	0.651	0.625	0.123128584	1
Ints6	5.47E-06	-0.352	0.198	0.274	0.135961537	1
Kmt2a	5.69E-06	-0.347	0.219	0.296	0.141218361	1
Slc30a1	5.94E-06	0.265	0.412	0.369	0.147500588	1
Hsp90aa1	7.66E-06	-0.308	0.964	0.926	0.190389765	1
Ppp1r15a	8.77E-06	-0.740	0.592	0.616	0.217887413	1
Irf1	8.93E-06	-0.513	0.316	0.392	0.221830743	1
Map3k1	9.23E-06	-0.275	0.298	0.377	0.229198168	1
mt-Cytb	9.44E-06	-0.343	0.997	0.962	0.23451216	1
Bhlhe40	9.75E-06	-0.454	0.684	0.706	0.242062408	1
Rps27l	1.11E-05	-0.320	0.411	0.481	0.275538397	1
Trim8	1.16E-05	0.258	0.347	0.312	0.288871219	1
Ms4a7	1.53E-05	-0.726	0.209	0.257	0.379794828	1
Hmgb2	1.56E-05	-0.667	0.677	0.676	0.386764967	1
Tut4	1.90E-05	-0.366	0.226	0.294	0.472837505	1
Gadd45a	2.00E-05	-0.970	0.224	0.281	0.497667923	1
Wfdc17	2.05E-05	-0.442	0.641	0.486	0.508069765	1
Fubp1	2.42E-05	-0.281	0.27	0.356	0.602153753	1
Fgl2	2.48E-05	-0.345	0.357	0.43	0.61629636	1
Egln1	2.64E-05	0.259	0.35	0.315	0.654511696	1

Arhgef1	3.12E-05	-0.318	0.261	0.345	0.774651732	1
Hmgn5	3.24E-05	-0.262	0.217	0.287	0.804495433	1
Hspd1	4.56E-05	-0.294	0.42	0.48	1	1
Uhrf2	4.66E-05	-0.336	0.314	0.392	1	1
Vps37b	4.68E-05	-0.616	0.598	0.631	1	1
Hexb	4.86E-05	-0.418	0.258	0.318	1	1
Saraf	5.05E-05	-0.383	0.337	0.414	1	1
Herpud1	5.13E-05	-0.386	0.471	0.525	1	1
Crlf3	5.13E-05	-0.368	0.292	0.37	1	1
Stk4	6.53E-05	-0.387	0.374	0.449	1	1
Eif4a2	7.33E-05	-0.319	0.574	0.636	1	1
Rad21	8.42E-05	-0.283	0.345	0.419	1	1
Arl5a	8.72E-05	-0.343	0.327	0.398	1	1
Sumo2	8.85E-05	-0.308	0.658	0.63	1	1
Mbd2	0.00013276	-0.305	0.407	0.49	1	1
Mllt6	0.00013816	-0.254	0.219	0.283	1	1
Suco	0.00015804	-0.467	0.325	0.394	1	1
Ifngr1	0.0001605	-0.579	0.386	0.444	1	1
Rapgef6	0.00016158	-0.278	0.228	0.293	1	1
Ptk2b	0.00016365	-0.342	0.24	0.308	1	1
Hnrnpu	0.00017975	-0.265	0.764	0.73	1	1
Gpx4	0.00019189	-0.333	0.491	0.535	1	1
Sod1	0.00019996	-0.276	0.747	0.699	1	1
Malat1	0.00023072	-0.732	0.984	0.96	1	1
Fam110a	0.00024612	-0.460	0.344	0.392	1	1
Fyn	0.00027965	-0.294	0.399	0.471	1	1
Vasp	0.0003088	-0.381	0.621	0.65	1	1
Ap1s2	0.00031884	0.267	0.316	0.289	1	1
Dek	0.00033539	-0.366	0.594	0.602	1	1
Nfkbia	0.0003481	-0.521	0.819	0.823	1	1
Selplg	0.00039249	-0.298	0.505	0.547	1	1
Ly6a	0.0004084	-0.330	0.292	0.343	1	1
Ptp4a2	0.00042267	-0.304	0.86	0.781	1	1
Ccni	0.00048713	-0.260	0.465	0.521	1	1
Clk1	0.00049233	-0.405	0.637	0.68	1	1
Slfn4	0.00053204	-0.686	0.267	0.206	1	1
Ube2s	0.00056107	-0.337	0.599	0.615	1	1
Mgea5	0.00056807	-0.304	0.356	0.433	1	1
Tra2a	0.00058733	-0.429	0.492	0.552	1	1
Npm1	0.00061737	-0.259	0.894	0.789	1	1
Il2rg	0.00063376	-0.395	0.485	0.521	1	1
Ghitm	0.00064222	-0.258	0.58	0.589	1	1
C1qa	0.00066663	-0.823	0.261	0.284	1	1
Prkar1a	0.00073313	-0.329	0.694	0.685	1	1
Cxcl16	0.00080908	-0.361	0.365	0.401	1	1
Gls	0.00088969	-0.400	0.665	0.692	1	1

Tspan13	0.00099455	-0.370	0.364	0.409	1	1
Rbbp4	0.00116271	-0.268	0.465	0.508	1	1
Ilrn	0.00123196	-0.748	0.602	0.501	1	1
Gpnm	0.00135762	-0.966	0.217	0.26	1	1
Ivns1abp	0.00142053	-0.329	0.369	0.428	1	1
Pltp	0.00153924	-0.491	0.248	0.287	1	1
Myh9	0.00163997	-0.332	0.7	0.664	1	1
Tmsb4x	0.00166008	-0.280	1	0.967	1	1
Nasp	0.00181783	-0.277	0.362	0.418	1	1
Isy1	0.00189715	-0.252	0.299	0.361	1	1
Phlda1	0.00200506	-0.468	0.437	0.485	1	1
Paxbp1	0.00205426	-0.507	0.286	0.345	1	1
Hnrnpa1	0.00216236	-0.259	0.69	0.664	1	1
Rac2	0.00233964	-0.481	0.601	0.583	1	1
Zfp207	0.00235015	-0.270	0.428	0.488	1	1
Eef1b2	0.0025651	-0.288	0.867	0.76	1	1
Hspa1b	0.00283043	0.474	0.633	0.585	1	1
Uap1	0.00429576	-0.383	0.297	0.347	1	1
Irs2	0.00550595	-0.430	0.406	0.433	1	1
Kmt2e	0.00585558	-0.388	0.676	0.686	1	1
Itgav	0.00658438	-0.438	0.347	0.391	1	1
Atf3	0.00663296	-0.382	0.462	0.482	1	1
Ostf1	0.00728383	-0.316	0.697	0.654	1	1
Skil	0.00781967	-0.374	0.645	0.648	1	1
Marcksl1	0.00835208	-1.003	0.56	0.556	1	1
Eef1a1	7.03E-185	-1.341	0.913	0.959	1.75E-180	2
mt-Co1	5.02E-182	1.052	0.999	0.994	1.25E-177	2
Actg1	3.87E-176	-1.316	0.929	0.974	9.61E-172	2
Mafb	2.44E-168	1.662	0.788	0.385	6.07E-164	2
Rps9	2.62E-162	-1.158	0.772	0.937	6.51E-158	2
Ier5	1.35E-159	1.504	0.888	0.73	3.35E-155	2
Rps27	5.61E-158	-1.269	0.709	0.933	1.39E-153	2
Ier3	1.14E-153	1.837	0.858	0.565	2.82E-149	2
Rps3a1	3.91E-153	-1.307	0.625	0.875	9.70E-149	2
Rplp2	1.09E-152	-1.186	0.637	0.896	2.71E-148	2
Rpl5	1.53E-152	-1.506	0.592	0.843	3.81E-148	2
Socs3	5.52E-152	1.836	0.724	0.405	1.37E-147	2
Rps4x	6.53E-147	-1.457	0.558	0.831	1.62E-142	2
mt-Co2	2.05E-144	0.976	0.999	0.994	5.10E-140	2
Rps14	1.73E-140	-1.162	0.721	0.89	4.29E-136	2
Rps3	4.44E-140	-1.182	0.724	0.88	1.10E-135	2
Ubc	8.45E-137	1.045	0.968	0.953	2.10E-132	2
Tuba1c	1.01E-134	1.345	0.863	0.707	2.50E-130	2
Atf4	1.42E-130	1.149	0.934	0.871	3.52E-126	2
Rpl17	1.71E-130	-1.027	0.788	0.915	4.26E-126	2
mt-Atp6	4.42E-129	0.952	0.998	0.982	1.10E-124	2



Lcp1	4.80E-128	-1.259	0.479	0.839	1.19E-123	2
Arpc2	1.48E-127	-0.933	0.762	0.918	3.68E-123	2
Tpt1	1.55E-124	-0.714	0.954	0.978	3.85E-120	2
Itga5	1.69E-124	1.719	0.697	0.421	4.20E-120	2
Rpl36a	1.81E-123	-1.353	0.356	0.741	4.49E-119	2
Rpl4	6.48E-123	-1.264	0.574	0.822	1.61E-118	2
Slfn4	1.86E-122	1.996	0.5	0.172	4.62E-118	2
Rps13	3.61E-120	-1.073	0.725	0.892	8.97E-116	2
Rps7	1.58E-115	-1.185	0.618	0.829	3.93E-111	2
Rhob	4.06E-115	1.614	0.775	0.506	1.01E-110	2
Malat1	5.89E-115	1.605	0.989	0.96	1.46E-110	2
Junb	1.76E-112	1.189	0.941	0.926	4.37E-108	2
mt-Co3	6.40E-110	0.948	0.989	0.959	1.59E-105	2
Rpl34	9.02E-110	-0.970	0.725	0.881	2.24E-105	2
Mdm2	1.73E-109	1.384	0.802	0.613	4.29E-105	2
Rps15a	3.94E-109	-1.191	0.476	0.806	9.78E-105	2
Actb	2.48E-108	-0.843	0.989	0.991	6.17E-104	2
Rpl30	1.30E-106	-1.016	0.581	0.842	3.23E-102	2
Tmsb4x	1.89E-106	-1.014	0.933	0.978	4.70E-102	2
Rpl9	1.37E-104	-0.956	0.675	0.875	3.41E-100	2
Rpl7	2.17E-104	-1.020	0.54	0.814	5.39E-100	2
Fos	3.56E-104	1.616	0.809	0.589	8.85E-100	2
Rps18	5.94E-104	-1.184	0.427	0.757	1.48E-99	2
Srgn	5.19E-103	-1.460	0.879	0.974	1.29E-98	2
Rsrp1	3.38E-102	1.211	0.83	0.767	8.39E-98	2
Tmem123	6.03E-102	-1.625	0.179	0.601	1.50E-97	2
Rac2	1.34E-101	-1.275	0.221	0.641	3.33E-97	2
Cebpb	1.44E-101	0.976	0.895	0.764	3.58E-97	2
Rps8	5.97E-100	-0.939	0.79	0.886	1.48E-95	2
Jun	5.85E-99	1.286	0.811	0.593	1.45E-94	2
Rps24	3.11E-98	-0.900	0.794	0.882	7.72E-94	2
Lhfpl2	3.73E-98	1.736	0.633	0.35	9.27E-94	2
Eef1b2	1.39E-97	-1.159	0.554	0.81	3.45E-93	2
Ifrd1	7.72E-97	0.948	0.906	0.857	1.92E-92	2
Rps6	1.89E-96	-0.993	0.666	0.858	4.69E-92	2
Cdkn1a	1.27E-95	0.999	0.889	0.746	3.16E-91	2
Actr3	4.46E-95	-0.937	0.651	0.873	1.11E-90	2
Plin2	1.53E-94	1.052	0.83	0.594	3.80E-90	2
Gnai2	2.29E-94	-0.869	0.579	0.833	5.69E-90	2
Gm2a	5.37E-94	-1.451	0.364	0.694	1.33E-89	2
Csrnp1	1.47E-91	1.086	0.841	0.759	3.65E-87	2
Ifi207	2.58E-91	1.247	0.711	0.473	6.40E-87	2
H2-D1	4.80E-91	-0.718	0.933	0.972	1.19E-86	2
Rplp1	2.15E-90	-0.828	0.833	0.91	5.33E-86	2
Rack1	4.16E-90	-0.950	0.539	0.795	1.03E-85	2
Itm2c	1.73E-89	-0.993	0.206	0.618	4.31E-85	2

Laptn5	2.40E-89	-0.858	0.697	0.886	5.96E-85	2
Zeb2	3.45E-89	1.039	0.83	0.607	8.58E-85	2
Eif4e	2.02E-88	1.218	0.8	0.657	5.01E-84	2
Rps11	2.16E-88	-0.930	0.718	0.848	5.35E-84	2
Fosb	1.37E-87	1.200	0.855	0.689	3.39E-83	2
Ywhaz	1.57E-87	-0.828	0.698	0.896	3.91E-83	2
Zfp36	2.92E-87	1.139	0.894	0.83	7.25E-83	2
Apoe	4.45E-87	0.731	0.782	0.469	1.10E-82	2
Cd53	4.72E-87	-1.085	0.577	0.845	1.17E-82	2
Nfkbia	9.88E-87	0.950	0.906	0.81	2.45E-82	2
Rpl35a	1.97E-86	-0.729	0.732	0.885	4.90E-82	2
Rps27rt	4.95E-86	-0.907	0.309	0.713	1.23E-81	2
Rpl39	3.36E-85	-0.886	0.776	0.863	8.34E-81	2
Rps25	1.09E-84	-0.769	0.698	0.871	2.72E-80	2
Arl6ip1	1.22E-84	-1.092	0.32	0.685	3.03E-80	2
Rps21	1.43E-84	-0.859	0.562	0.828	3.54E-80	2
Rps27a	1.80E-84	-0.748	0.759	0.888	4.46E-80	2
Rpsa	2.62E-84	-0.992	0.513	0.791	6.52E-80	2
Gm11808	3.58E-84	-0.868	0.511	0.8	8.90E-80	2
Gadd45g	7.06E-84	1.502	0.479	0.224	1.75E-79	2
Ppp1ca	4.11E-83	-0.861	0.285	0.663	1.02E-78	2
Trib1	5.43E-83	1.053	0.757	0.582	1.35E-78	2
Ccni	7.91E-83	-0.863	0.164	0.565	1.96E-78	2
Atf3	1.20E-82	1.314	0.688	0.447	2.98E-78	2
Rpl8	4.60E-81	-0.869	0.538	0.803	1.14E-76	2
Syng2	5.37E-81	-1.301	0.167	0.539	1.33E-76	2
Sh3bgrl	5.39E-81	-0.891	0.192	0.569	1.34E-76	2
Rps16	5.48E-81	-0.800	0.759	0.877	1.36E-76	2
Rpl35	1.43E-80	-0.877	0.642	0.817	3.56E-76	2
Isg15	1.94E-80	1.607	0.574	0.33	4.82E-76	2
Sh3bgrl3	1.85E-78	-0.836	0.663	0.871	4.59E-74	2
Actr2	2.70E-78	-0.811	0.399	0.749	6.70E-74	2
Wdr89	3.97E-77	-0.826	0.336	0.701	9.86E-73	2
Rps23	7.81E-77	-0.757	0.741	0.867	1.94E-72	2
Serinc3	8.04E-77	-1.006	0.513	0.833	2.00E-72	2
Cnn2	1.62E-76	-1.059	0.114	0.469	4.01E-72	2
Cd14	6.50E-75	0.728	0.866	0.614	1.61E-70	2
Tpm3	6.91E-75	-0.769	0.65	0.86	1.72E-70	2
Cox7a2l	1.96E-74	-0.748	0.169	0.548	4.87E-70	2
Selenot	2.99E-74	-0.715	0.15	0.523	7.43E-70	2
mt-Nd4	4.06E-74	0.766	0.991	0.96	1.01E-69	2
Itgb1	7.97E-74	-0.912	0.258	0.621	1.98E-69	2
Gadd45b	7.98E-74	1.176	0.718	0.55	1.98E-69	2
Rps12	9.86E-74	-0.707	0.851	0.914	2.45E-69	2
Eif3f	2.92E-73	-0.777	0.265	0.636	7.25E-69	2
Samsn1	1.92E-72	-1.738	0.21	0.553	4.78E-68	2

Rpl23	2.45E-72	-0.615	0.877	0.922	6.09E-68	2
Rpl14	3.52E-72	-0.832	0.427	0.731	8.75E-68	2
Ccl2	4.08E-72	1.385	0.552	0.294	1.01E-67	2
mt-Cytb	6.45E-72	0.765	0.989	0.964	1.60E-67	2
Rac1	2.90E-71	-0.744	0.491	0.788	7.20E-67	2
Rpl37a	3.82E-71	-0.714	0.75	0.879	9.48E-67	2
Rps5	4.75E-71	-0.762	0.644	0.826	1.18E-66	2
Nap111	9.38E-71	-0.965	0.333	0.674	2.33E-66	2
Rpl6	1.47E-70	-0.712	0.779	0.862	3.64E-66	2
Lsp1	2.63E-70	-1.336	0.243	0.57	6.54E-66	2
Msn	4.82E-70	-0.692	0.438	0.788	1.20E-65	2
Rgl1	5.82E-70	1.412	0.55	0.326	1.45E-65	2
Sumo2	1.79E-69	-0.824	0.33	0.681	4.46E-65	2
Dusp1	7.89E-69	1.219	0.811	0.726	1.96E-64	2
Ptp4a2	3.87E-68	-0.840	0.557	0.829	9.62E-64	2
Brd2	6.00E-68	0.818	0.867	0.848	1.49E-63	2
P2ry10	1.21E-67	-1.394	0.026	0.316	3.01E-63	2
Pfdn5	5.18E-67	-0.638	0.193	0.561	1.29E-62	2
Mbn11	2.94E-66	-0.932	0.283	0.632	7.29E-62	2
Fmnl1	3.39E-66	-0.761	0.202	0.568	8.42E-62	2
mt-Nd2	3.58E-66	0.762	0.979	0.94	8.90E-62	2
Tnf	3.92E-66	1.089	0.533	0.292	9.73E-62	2
Rps26	5.06E-66	-0.743	0.842	0.89	1.26E-61	2
Fnip2	1.35E-65	1.091	0.691	0.515	3.35E-61	2
Rpl12	6.56E-65	-0.838	0.578	0.791	1.63E-60	2
Rps19	1.07E-64	-0.770	0.638	0.817	2.67E-60	2
Eif3e	2.09E-64	-0.740	0.27	0.618	5.19E-60	2
R3hdm4	3.21E-64	-0.620	0.079	0.393	7.97E-60	2
Myadm	9.07E-64	-0.828	0.124	0.451	2.25E-59	2
Gm10073	9.44E-64	-0.744	0.416	0.72	2.34E-59	2
Ifngr1	9.70E-64	-1.061	0.149	0.479	2.41E-59	2
Rab7b	1.17E-63	1.226	0.599	0.398	2.92E-59	2
Hsp90b1	1.98E-63	-0.845	0.619	0.815	4.93E-59	2
Nono	3.27E-63	-0.687	0.21	0.551	8.13E-59	2
Pak2	4.57E-63	-0.715	0.304	0.664	1.13E-58	2
mt-Nd1	8.14E-63	0.738	0.98	0.951	2.02E-58	2
Tpm4	1.20E-62	-0.713	0.243	0.596	2.98E-58	2
Rab20	1.43E-62	0.997	0.578	0.366	3.55E-58	2
Sik1	3.13E-61	1.032	0.736	0.646	7.77E-57	2
Rpl9-ps6	4.86E-61	-0.730	0.44	0.748	1.21E-56	2
Rpl22	5.12E-61	-0.666	0.416	0.725	1.27E-56	2
Myh9	6.18E-61	-0.747	0.371	0.714	1.54E-56	2
Rbbp6	8.73E-61	0.985	0.782	0.718	2.17E-56	2
mt-Nd5	1.47E-60	0.747	0.956	0.903	3.66E-56	2
Canx	2.89E-60	-0.730	0.416	0.718	7.19E-56	2
Asah1	3.87E-60	-0.671	0.092	0.393	9.62E-56	2

Tm9sf3	5.31E-60	-0.642	0.265	0.622	1.32E-55	2
Shisa5	5.33E-60	-0.719	0.237	0.594	1.33E-55	2
Gapdh	6.15E-60	-0.742	0.869	0.941	1.53E-55	2
Tnfrsf12a	6.74E-60	1.217	0.419	0.218	1.67E-55	2
Nucb1	1.15E-59	-0.674	0.197	0.532	2.86E-55	2
Galnt1	1.64E-59	-0.617	0.099	0.411	4.07E-55	2
Pitpna	1.83E-59	-0.689	0.353	0.678	4.55E-55	2
Bcap31	4.15E-59	-0.542	0.107	0.425	1.03E-54	2
Capza1	9.31E-59	-0.653	0.33	0.67	2.31E-54	2
Cd9	1.28E-58	-1.273	0.195	0.505	3.17E-54	2
Elov15	1.39E-58	-0.689	0.145	0.47	3.44E-54	2
Ptprc	2.14E-58	-0.818	0.472	0.799	5.30E-54	2
Spi1	2.54E-58	0.942	0.7	0.546	6.31E-54	2
Fau	4.30E-58	-0.536	0.771	0.928	1.07E-53	2
Xist	8.45E-58	0.936	0.841	0.803	2.10E-53	2
Jund	1.24E-57	0.800	0.934	0.916	3.08E-53	2
Uqcrh	2.15E-57	-0.666	0.446	0.759	5.33E-53	2
Tspan13	2.50E-57	-0.856	0.136	0.443	6.21E-53	2
Ddost	3.10E-57	-0.544	0.139	0.449	7.71E-53	2
Selenof	3.27E-57	-0.656	0.271	0.593	8.13E-53	2
Ppp1r15a	5.50E-57	0.972	0.716	0.597	1.37E-52	2
Mob1a	8.21E-57	-0.607	0.255	0.594	2.04E-52	2
Ghitm	1.14E-56	-0.642	0.292	0.632	2.84E-52	2
Dnajc3	1.29E-56	-0.618	0.186	0.511	3.19E-52	2
Rpl21	1.92E-56	-0.694	0.586	0.798	4.78E-52	2
Atp5c1	2.70E-56	-0.520	0.163	0.488	6.72E-52	2
Ndfip1	2.95E-56	-0.677	0.064	0.34	7.32E-52	2
Sppl2a	5.89E-56	-0.501	0.183	0.524	1.46E-51	2
Eno1	6.06E-56	-0.880	0.414	0.698	1.50E-51	2
Ssr3	6.12E-56	-0.661	0.37	0.695	1.52E-51	2
Tspo	1.12E-55	-0.697	0.285	0.613	2.79E-51	2
Rps28	3.27E-55	-0.565	0.838	0.901	8.11E-51	2
Set	3.87E-55	-0.778	0.353	0.659	9.61E-51	2
Tmem59	7.59E-55	-0.591	0.179	0.498	1.88E-50	2
Smpdl3a	1.18E-54	-0.631	0.067	0.342	2.94E-50	2
Wdr1	1.28E-54	-0.654	0.25	0.575	3.19E-50	2
Serinc1	1.36E-54	-0.588	0.177	0.503	3.37E-50	2
M6pr	2.92E-54	-0.674	0.354	0.67	7.25E-50	2
Aplp2	3.32E-54	-0.613	0.2	0.528	8.25E-50	2
Il2rg	7.33E-54	-0.784	0.235	0.558	1.82E-49	2
Rpn2	8.03E-54	-0.460	0.104	0.4	2.00E-49	2
Atp5g2	8.29E-54	-0.657	0.374	0.676	2.06E-49	2
Zfp703	1.67E-53	1.012	0.64	0.496	4.14E-49	2
Morf4l1	1.84E-53	-0.570	0.631	0.841	4.56E-49	2
Tmem50a	2.23E-53	-0.655	0.276	0.598	5.54E-49	2
Btf3	2.50E-53	-0.611	0.419	0.72	6.21E-49	2

Cox6c	3.28E-53	-0.632	0.471	0.734	8.16E-49	2
Eif3i	7.85E-53	-0.468	0.163	0.484	1.95E-48	2
Wsb1	1.03E-52	0.843	0.705	0.607	2.57E-48	2
Bnip3l	1.19E-52	-0.696	0.172	0.483	2.97E-48	2
Pon2	2.67E-52	-0.502	0.052	0.315	6.64E-48	2
Kdelr1	2.74E-52	-0.402	0.099	0.391	6.81E-48	2
Klf6	2.97E-52	0.676	0.889	0.846	7.39E-48	2
Myl6	3.91E-52	-0.632	0.697	0.867	9.71E-48	2
B4galnt1	4.00E-52	-0.641	0.077	0.35	9.92E-48	2
Oasl1	7.27E-52	1.244	0.389	0.195	1.81E-47	2
Plp2	7.35E-52	-0.599	0.134	0.428	1.83E-47	2
Kdm6b	9.62E-52	0.866	0.828	0.808	2.39E-47	2
Ccnl1	1.04E-51	0.811	0.829	0.819	2.58E-47	2
Hprt	1.19E-51	-0.501	0.146	0.452	2.97E-47	2
Ywhab	1.26E-51	-0.622	0.42	0.714	3.13E-47	2
Cd47	1.38E-51	-0.645	0.376	0.689	3.44E-47	2
Eef2	1.77E-51	-0.620	0.651	0.84	4.39E-47	2
Fam129b	3.22E-51	0.952	0.677	0.519	8.01E-47	2
Oaz1	5.28E-51	-0.573	0.653	0.86	1.31E-46	2
Bzw1	5.41E-51	-0.636	0.373	0.684	1.34E-46	2
Hspa1a	1.00E-50	1.194	0.73	0.57	2.49E-46	2
Sdha	1.06E-50	-0.361	0.072	0.346	2.62E-46	2
Spcs1	1.39E-50	-0.499	0.17	0.473	3.45E-46	2
Ahnak	1.60E-50	0.825	0.863	0.766	3.98E-46	2
Eef1g	1.83E-50	-0.603	0.305	0.618	4.55E-46	2
Nsa2	2.39E-50	-0.608	0.343	0.657	5.93E-46	2
Eif3h	3.52E-50	-0.601	0.343	0.658	8.75E-46	2
Mia2	3.94E-50	-0.552	0.209	0.525	9.77E-46	2
Gm42418	4.20E-50	0.663	0.948	0.904	1.04E-45	2
Celf2	5.16E-50	-0.729	0.287	0.604	1.28E-45	2
Rtp4	5.17E-50	1.053	0.383	0.191	1.28E-45	2
Gnai3	7.78E-50	-0.528	0.21	0.53	1.93E-45	2
Prr13	7.95E-50	-0.609	0.283	0.61	1.98E-45	2
Sh3kbp1	9.00E-50	-0.685	0.177	0.477	2.23E-45	2
Rps20	1.03E-49	-0.628	0.764	0.861	2.57E-45	2
Tmco1	1.16E-49	-0.391	0.055	0.314	2.88E-45	2
2-Sep	2.47E-49	-0.462	0.191	0.498	6.15E-45	2
Ola1	2.94E-49	-0.434	0.081	0.349	7.30E-45	2
Magt1	4.32E-49	-0.585	0.149	0.439	1.07E-44	2
Tmed2	4.90E-49	-0.565	0.389	0.709	1.22E-44	2
Arhgdib	1.04E-48	-0.658	0.426	0.714	2.59E-44	2
Snap23	1.21E-48	-0.546	0.113	0.398	3.01E-44	2
Tapbp	1.23E-48	-0.582	0.279	0.605	3.07E-44	2
Fam107b	1.25E-48	-0.941	0.258	0.56	3.10E-44	2
H2afy	1.59E-48	-0.661	0.357	0.644	3.94E-44	2
Vasp	1.83E-48	-0.653	0.351	0.69	4.55E-44	2

Fam129a	1.92E-48	-0.633	0.055	0.304	4.76E-44	2
Anxa6	2.01E-48	-0.707	0.133	0.419	4.99E-44	2
Idi1	2.69E-48	-0.755	0.038	0.273	6.69E-44	2
Srebf2	4.18E-48	-0.547	0.179	0.482	1.04E-43	2
Cd164	4.86E-48	-0.696	0.362	0.671	1.21E-43	2
Adipor2	7.73E-48	-0.606	0.182	0.487	1.92E-43	2
Eid1	7.83E-48	-0.540	0.189	0.488	1.95E-43	2
Anp32e	9.04E-48	-0.577	0.179	0.473	2.25E-43	2
Taldo1	1.49E-47	-0.744	0.315	0.621	3.70E-43	2
Tgif1	1.51E-47	0.859	0.776	0.761	3.76E-43	2
Tram1	1.91E-47	-0.467	0.197	0.511	4.75E-43	2
Gltf	2.25E-47	-0.562	0.285	0.577	5.58E-43	2
Jak1	2.34E-47	-0.654	0.395	0.717	5.81E-43	2
Cast	2.48E-47	-0.535	0.166	0.467	6.16E-43	2
Arpc5	2.89E-47	-0.593	0.581	0.796	7.19E-43	2
Gm26917	3.90E-47	0.843	0.699	0.577	9.68E-43	2
C1qb	8.98E-47	0.739	0.623	0.36	2.23E-42	2
Dpysl2	9.45E-47	-0.482	0.075	0.327	2.35E-42	2
Mapk1	9.85E-47	-0.454	0.203	0.522	2.45E-42	2
Zfand5	1.16E-46	1.008	0.722	0.678	2.87E-42	2
Hsp90ab1	1.24E-46	-0.669	0.834	0.894	3.09E-42	2
Emb	1.24E-46	-1.122	0.297	0.579	3.09E-42	2
Aph1a	1.27E-46	-0.353	0.106	0.385	3.16E-42	2
Tpr	1.45E-46	-0.616	0.295	0.604	3.60E-42	2
Atp5b	1.50E-46	-0.477	0.284	0.604	3.73E-42	2
Eif3l	1.61E-46	-0.395	0.146	0.436	4.00E-42	2
Tmem30a	1.68E-46	-0.483	0.156	0.452	4.18E-42	2
Mcl1	1.91E-46	0.569	0.91	0.892	4.74E-42	2
Rps15	2.00E-46	-0.536	0.664	0.839	4.96E-42	2
Lbr	3.58E-46	-0.669	0.061	0.303	8.89E-42	2
Hint1	4.17E-46	-0.529	0.223	0.521	1.04E-41	2
Tes	4.37E-46	-0.667	0.269	0.574	1.09E-41	2
St13	5.05E-46	-0.505	0.294	0.608	1.25E-41	2
Ccng1	8.34E-46	-0.498	0.085	0.345	2.07E-41	2
Gyg	1.04E-45	-0.636	0.098	0.359	2.57E-41	2
Actn1	2.15E-45	-1.045	0.053	0.283	5.34E-41	2
Plaur	2.26E-45	0.541	0.818	0.652	5.60E-41	2
Ncoa4	2.31E-45	-0.636	0.075	0.321	5.73E-41	2
Calu	2.59E-45	-0.415	0.103	0.369	6.42E-41	2
Uqcrfs1	2.75E-45	-0.435	0.179	0.474	6.82E-41	2
Eif2s3x	3.14E-45	-0.468	0.169	0.463	7.80E-41	2
Glud1	3.49E-45	-0.541	0.291	0.608	8.67E-41	2
Cmtm6	4.30E-45	-0.473	0.099	0.364	1.07E-40	2
Dynlt3	5.03E-45	-0.390	0.088	0.348	1.25E-40	2
Cyp51	6.45E-45	-0.695	0.086	0.333	1.60E-40	2
Apobec1	7.00E-45	1.121	0.467	0.299	1.74E-40	2

Rpl3	1.17E-44	-0.592	0.547	0.763	2.91E-40	2
Gdi2	1.18E-44	-0.616	0.469	0.723	2.92E-40	2
Cbx3	1.47E-44	-0.529	0.162	0.443	3.65E-40	2
Gnas	1.78E-44	-0.641	0.688	0.842	4.42E-40	2
Ifitm3	2.06E-44	0.817	0.726	0.533	5.10E-40	2
Rhoa	2.23E-44	-0.480	0.551	0.791	5.55E-40	2
Cnbp	3.08E-44	-0.707	0.601	0.813	7.64E-40	2
Brk1	3.34E-44	-0.459	0.235	0.545	8.30E-40	2
9530068E07Rik	3.45E-44	-0.343	0.099	0.362	8.56E-40	2
Vamp3	3.68E-44	-0.402	0.153	0.447	9.15E-40	2
Tprgl	3.95E-44	-0.356	0.085	0.339	9.80E-40	2
Kdm2b	3.96E-44	-0.838	0.048	0.271	9.83E-40	2
Was	4.07E-44	-0.421	0.093	0.351	1.01E-39	2
Ist1	4.72E-44	0.839	0.692	0.624	1.17E-39	2
Cd24a	5.88E-44	-1.878	0.111	0.347	1.46E-39	2
Rbm3	6.03E-44	-0.584	0.475	0.744	1.50E-39	2
Sptssa	6.17E-44	-0.406	0.085	0.336	1.53E-39	2
Dnajb6	7.20E-44	-0.631	0.32	0.638	1.79E-39	2
Ywhaq	9.49E-44	-0.456	0.223	0.534	2.36E-39	2
Gm8186	1.44E-43	-0.432	0.105	0.364	3.57E-39	2
Spcs3	1.47E-43	-0.320	0.074	0.323	3.66E-39	2
Emd	1.93E-43	-0.306	0.169	0.468	4.79E-39	2
Spcs2	2.08E-43	-0.491	0.232	0.529	5.15E-39	2
Rpl15	2.16E-43	-0.590	0.645	0.798	5.37E-39	2
Gnb1	2.50E-43	-0.508	0.467	0.763	6.20E-39	2
Preld1	2.73E-43	-0.434	0.281	0.591	6.79E-39	2
Tacc1	3.08E-43	-0.500	0.154	0.439	7.65E-39	2
Dstn	3.83E-43	-0.570	0.196	0.476	9.51E-39	2
Ostc	4.58E-43	-0.390	0.156	0.431	1.14E-38	2
Ssr2	4.71E-43	-0.400	0.163	0.451	1.17E-38	2
Vamp7	5.42E-43	-0.336	0.096	0.353	1.35E-38	2
Rasgef1b	5.46E-43	1.183	0.376	0.208	1.36E-38	2
Leprot	6.70E-43	-0.427	0.123	0.386	1.67E-38	2
Ppp2r5c	6.76E-43	-0.496	0.246	0.555	1.68E-38	2
Cxcl2	7.23E-43	-0.259	0.814	0.635	1.80E-38	2
Srsf11	7.76E-43	1.078	0.736	0.709	1.93E-38	2
Cnih1	8.09E-43	-0.313	0.061	0.299	2.01E-38	2
Rpl24	8.30E-43	-0.540	0.626	0.819	2.06E-38	2
Tmem234	1.01E-42	-0.417	0.186	0.48	2.51E-38	2
Ybx1	1.58E-42	-0.522	0.643	0.805	3.93E-38	2
Paics	1.75E-42	-0.421	0.104	0.362	4.35E-38	2
Ebp	1.76E-42	-0.372	0.088	0.338	4.38E-38	2
Smc6	1.77E-42	-0.550	0.132	0.394	4.40E-38	2
Ssr4	2.26E-42	-0.378	0.195	0.483	5.62E-38	2
Sri	2.66E-42	-0.457	0.167	0.439	6.60E-38	2
Rpl18	3.52E-42	-0.517	0.597	0.804	8.75E-38	2

Pmepa1	4.31E-42	-0.852	0.042	0.256	1.07E-37	2
Paip2	4.36E-42	-0.393	0.192	0.491	1.08E-37	2
Tmed10	5.24E-42	-0.526	0.346	0.626	1.30E-37	2
Arf3	5.49E-42	-0.394	0.188	0.478	1.36E-37	2
Sertad1	6.38E-42	0.966	0.461	0.308	1.59E-37	2
Ldha	7.40E-42	-0.624	0.496	0.754	1.84E-37	2
Cox4i1	1.13E-41	-0.470	0.511	0.746	2.82E-37	2
Esyt1	1.71E-41	-0.364	0.195	0.49	4.26E-37	2
D16Erd472e	1.88E-41	-0.997	0.104	0.336	4.66E-37	2
Cdc37	2.16E-41	-0.408	0.193	0.485	5.38E-37	2
Klf2	2.90E-41	0.989	0.452	0.276	7.21E-37	2
Gm11361	3.20E-41	-0.305	0.09	0.337	7.96E-37	2
Rbbp4	3.49E-41	-0.475	0.246	0.539	8.68E-37	2
Slc38a2	3.74E-41	0.673	0.807	0.781	9.30E-37	2
H13	4.13E-41	-0.425	0.179	0.462	1.03E-36	2
Tbl1x	4.35E-41	-0.463	0.094	0.34	1.08E-36	2
Rpl23a	4.57E-41	-0.571	0.737	0.849	1.13E-36	2
Pebp1	4.77E-41	-0.341	0.142	0.411	1.18E-36	2
Rnf187	5.00E-41	-0.379	0.092	0.335	1.24E-36	2
Mtpn	5.02E-41	-0.505	0.338	0.631	1.25E-36	2
Hnrnpa2b1	7.83E-41	-0.543	0.706	0.875	1.94E-36	2
Igbp1	8.76E-41	-0.366	0.107	0.361	2.17E-36	2
Rdx	9.55E-41	-0.376	0.153	0.433	2.37E-36	2
Bsg	9.62E-41	-0.569	0.314	0.605	2.39E-36	2
Chp1	1.52E-40	-0.476	0.256	0.558	3.79E-36	2
Adam10	1.70E-40	-0.314	0.071	0.304	4.22E-36	2
Aes	1.78E-40	-0.513	0.31	0.602	4.41E-36	2
4930430E12Rik	2.27E-40	0.972	0.322	0.164	5.64E-36	2
Emc10	2.28E-40	-0.346	0.064	0.292	5.67E-36	2
Nr4a1	2.67E-40	0.935	0.633	0.509	6.64E-36	2
Scp2	3.25E-40	-0.352	0.178	0.458	8.06E-36	2
Rplp0	5.12E-40	-0.543	0.737	0.848	1.27E-35	2
Ccdc47	5.93E-40	-0.352	0.066	0.294	1.47E-35	2
Ppib	6.41E-40	-0.344	0.179	0.461	1.59E-35	2
Eif3m	6.83E-40	-0.300	0.124	0.385	1.70E-35	2
Gm47283	7.62E-40	1.387	0.584	0.472	1.89E-35	2
Itgal	8.73E-40	-0.691	0.062	0.28	2.17E-35	2
Tgoln1	8.82E-40	-0.682	0.379	0.682	2.19E-35	2
Ganab	1.23E-39	-0.350	0.101	0.348	3.04E-35	2
Tubal1a	1.32E-39	-0.607	0.147	0.4	3.27E-35	2
Lilr4b	1.57E-39	0.416	0.841	0.709	3.91E-35	2
Wasf2	1.72E-39	-0.412	0.208	0.497	4.27E-35	2
Os9	2.46E-39	-0.351	0.199	0.486	6.11E-35	2
Reep3	3.48E-39	-0.455	0.209	0.491	8.64E-35	2
Eif3c	4.10E-39	-0.445	0.311	0.604	1.02E-34	2
Pgk1	4.19E-39	-0.700	0.526	0.753	1.04E-34	2



G3bp2	4.46E-39	-0.480	0.188	0.463	1.11E-34	2
Fnbp1	4.61E-39	-0.572	0.259	0.547	1.15E-34	2
Txn2	5.31E-39	-0.350	0.14	0.402	1.32E-34	2
Glg1	6.31E-39	-0.368	0.154	0.422	1.57E-34	2
Rbm39	7.78E-39	0.509	0.881	0.886	1.93E-34	2
Rps2	7.92E-39	-0.563	0.697	0.815	1.97E-34	2
Capzb	1.15E-38	-0.478	0.629	0.805	2.85E-34	2
Cct2	1.19E-38	-0.443	0.292	0.58	2.96E-34	2
Sec11a	1.24E-38	-0.383	0.137	0.395	3.09E-34	2
Mpp6	1.25E-38	-0.367	0.07	0.293	3.10E-34	2
Prdx6	1.37E-38	-0.574	0.309	0.607	3.41E-34	2
Smc1a	1.40E-38	-0.443	0.106	0.345	3.48E-34	2
AW112010	1.40E-38	-1.134	0.152	0.386	3.49E-34	2
Ppp3r1	1.71E-38	-0.372	0.179	0.454	4.24E-34	2
Ndufa1	1.80E-38	-0.471	0.331	0.621	4.47E-34	2
Hmgb1	1.89E-38	-0.686	0.404	0.673	4.70E-34	2
Ppp1cc	1.92E-38	-0.578	0.231	0.504	4.77E-34	2
Saraf	2.29E-38	-0.490	0.169	0.437	5.68E-34	2
Rnf13	2.36E-38	-0.344	0.097	0.334	5.85E-34	2
Aif1	2.49E-38	0.961	0.535	0.389	6.19E-34	2
Ssr1	3.35E-38	-0.340	0.235	0.53	8.33E-34	2
Ap2m1	4.23E-38	-0.518	0.401	0.665	1.05E-33	2
Ccdc50	4.37E-38	-0.335	0.117	0.365	1.09E-33	2
Pdia3	4.47E-38	-0.586	0.459	0.692	1.11E-33	2
Rps12-ps3	4.54E-38	-0.441	0.361	0.655	1.13E-33	2
Eif4h	7.26E-38	-0.420	0.275	0.566	1.80E-33	2
Slc25a4	7.65E-38	-0.408	0.144	0.399	1.90E-33	2
Hnrnpul1	8.36E-38	-0.429	0.281	0.569	2.08E-33	2
Pcbp2	8.65E-38	-0.491	0.63	0.834	2.15E-33	2
Cttna1	1.01E-37	-0.416	0.179	0.451	2.52E-33	2
Copz1	1.11E-37	-0.388	0.173	0.447	2.77E-33	2
Elf1	1.34E-37	-0.712	0.335	0.62	3.33E-33	2
Dazap2	1.53E-37	-0.485	0.522	0.805	3.79E-33	2
Tsn	1.55E-37	-0.362	0.154	0.412	3.86E-33	2
Dad1	1.63E-37	-0.429	0.327	0.623	4.05E-33	2
Top2b	2.12E-37	-0.366	0.071	0.293	5.26E-33	2
Fundc2	2.21E-37	-0.380	0.11	0.347	5.48E-33	2
Cdc42	2.36E-37	-0.432	0.741	0.873	5.86E-33	2
Ufc1	2.89E-37	-0.301	0.08	0.307	7.18E-33	2
Hsd17b11	4.16E-37	-0.491	0.151	0.399	1.03E-32	2
Hnrnpul2	4.36E-37	-0.354	0.217	0.507	1.08E-32	2
Surf4	4.44E-37	-0.332	0.195	0.478	1.10E-32	2
Akr1b3	4.51E-37	-0.362	0.138	0.387	1.12E-32	2
Rab10	4.62E-37	-0.491	0.354	0.642	1.15E-32	2
Gla	4.86E-37	0.651	0.721	0.622	1.21E-32	2
Higd2a	4.87E-37	-0.345	0.136	0.389	1.21E-32	2

Rab1b	5.41E-37	-0.358	0.178	0.443	1.34E-32	2
Stk24	6.10E-37	-0.398	0.225	0.509	1.52E-32	2
Rab6a	7.40E-37	-0.423	0.261	0.544	1.84E-32	2
Lst1	8.33E-37	0.870	0.453	0.303	2.07E-32	2
Lmna	9.51E-37	0.783	0.709	0.6	2.36E-32	2
Eprs	1.14E-36	-0.506	0.185	0.452	2.83E-32	2
Eef1d	1.24E-36	-0.415	0.301	0.591	3.08E-32	2
Map3k8	1.25E-36	1.017	0.383	0.232	3.10E-32	2
Cyld	1.39E-36	-0.518	0.066	0.276	3.44E-32	2
Csrp1	1.46E-36	-0.492	0.103	0.328	3.64E-32	2
Fam96a	1.49E-36	-0.327	0.14	0.391	3.69E-32	2
Gm10269	1.89E-36	-0.322	0.096	0.323	4.71E-32	2
Rora	2.66E-36	-1.437	0.065	0.261	6.62E-32	2
Tipr1	3.16E-36	-0.472	0.127	0.366	7.84E-32	2
Clint1	3.67E-36	-0.490	0.233	0.511	9.11E-32	2
Vgll4	3.72E-36	-0.674	0.066	0.271	9.24E-32	2
Sdf4	3.85E-36	-0.579	0.2	0.462	9.55E-32	2
Ssrp1	4.14E-36	-0.351	0.105	0.337	1.03E-31	2
Ppt1	4.14E-36	-0.510	0.124	0.36	1.03E-31	2
Rpl27a	4.38E-36	-0.440	0.779	0.871	1.09E-31	2
Ube2m	4.55E-36	-0.265	0.153	0.415	1.13E-31	2
Eif4a1	5.28E-36	0.528	0.88	0.858	1.31E-31	2
Sbno2	5.63E-36	0.931	0.513	0.391	1.40E-31	2
Cacybp	6.36E-36	-0.350	0.134	0.382	1.58E-31	2
Ostf1	6.74E-36	-0.532	0.413	0.698	1.67E-31	2
Coa5	6.93E-36	-0.319	0.117	0.357	1.72E-31	2
Eif5a	7.11E-36	-0.589	0.7	0.841	1.76E-31	2
Tcirg1	8.77E-36	1.014	0.58	0.481	2.18E-31	2
Myl12a	9.00E-36	-0.440	0.369	0.658	2.23E-31	2
Hadha	1.55E-35	-0.310	0.184	0.45	3.85E-31	2
Orai1	1.64E-35	-0.543	0.175	0.421	4.08E-31	2
Gorasp2	1.84E-35	-0.301	0.108	0.341	4.58E-31	2
Selenos	2.08E-35	-0.359	0.172	0.432	5.18E-31	2
Snrpg	2.93E-35	-0.495	0.331	0.608	7.29E-31	2
Calm1	3.51E-35	-0.594	0.862	0.928	8.71E-31	2
Stk17b	3.94E-35	-0.747	0.397	0.662	9.78E-31	2
Nol7	3.98E-35	-0.331	0.142	0.387	9.90E-31	2
Colgalt1	4.19E-35	-0.342	0.099	0.323	1.04E-30	2
Leprotl1	4.70E-35	-0.431	0.162	0.412	1.17E-30	2
Mafk	4.85E-35	0.944	0.544	0.43	1.20E-30	2
Cisd2	5.52E-35	-0.360	0.18	0.447	1.37E-30	2
Atp5a1	5.53E-35	-0.488	0.471	0.707	1.37E-30	2
Fgfr1op2	5.74E-35	-0.353	0.16	0.413	1.43E-30	2
Sod1	7.22E-35	-0.515	0.487	0.74	1.79E-30	2
Rbbp7	7.78E-35	-0.411	0.133	0.367	1.93E-30	2
Erp44	9.08E-35	-0.275	0.145	0.394	2.25E-30	2

Srpr	9.21E-35	-0.328	0.153	0.408	2.29E-30	2
Stk4	9.72E-35	-0.534	0.208	0.472	2.41E-30	2
Prkar1a	1.07E-34	-0.517	0.453	0.722	2.66E-30	2
Ube2e3	1.32E-34	-0.314	0.119	0.354	3.27E-30	2
Irf7	1.35E-34	1.032	0.341	0.19	3.36E-30	2
Mrps14	2.15E-34	-0.265	0.079	0.292	5.33E-30	2
Acadl	2.48E-34	-0.337	0.138	0.378	6.17E-30	2
Plekha2	2.55E-34	-0.571	0.133	0.362	6.33E-30	2
Ndufa10	3.22E-34	-0.276	0.132	0.374	8.00E-30	2
Eif1ax	3.52E-34	-0.343	0.136	0.374	8.75E-30	2
Casp3	3.64E-34	-0.597	0.177	0.413	9.03E-30	2
Trim35	3.74E-34	-0.425	0.062	0.26	9.29E-30	2
Ubb	3.90E-34	0.321	0.971	0.985	9.70E-30	2
Tmed9	4.14E-34	-0.462	0.373	0.637	1.03E-29	2
Nucks1	5.01E-34	-0.385	0.138	0.375	1.25E-29	2
Cox5a	5.08E-34	-0.377	0.263	0.539	1.26E-29	2
Pip4k2a	5.50E-34	-0.409	0.176	0.424	1.37E-29	2
Hexb	5.65E-34	-0.567	0.116	0.338	1.40E-29	2
Snx3	5.65E-34	-0.471	0.466	0.706	1.40E-29	2
Gpi1	5.82E-34	-0.421	0.402	0.671	1.45E-29	2
Ubqln1	8.20E-34	-0.307	0.166	0.419	2.04E-29	2
Dap	8.31E-34	-0.289	0.146	0.391	2.06E-29	2
Cops9	1.19E-33	-0.340	0.223	0.493	2.96E-29	2
Tmem50b	1.27E-33	-0.348	0.092	0.305	3.16E-29	2
Nr4a3	1.41E-33	-1.102	0.29	0.52	3.51E-29	2
Por	1.45E-33	0.762	0.618	0.516	3.61E-29	2
Hmgn2	1.59E-33	-0.458	0.101	0.315	3.95E-29	2
Aimp1	1.63E-33	-0.258	0.099	0.315	4.06E-29	2
Serbp1	1.66E-33	-0.513	0.58	0.776	4.11E-29	2
Sec11c	1.66E-33	-0.398	0.294	0.57	4.13E-29	2
Ets1	1.69E-33	-1.206	0.081	0.268	4.19E-29	2
Nek7	1.79E-33	-0.288	0.111	0.336	4.44E-29	2
Cotl1	1.82E-33	-0.516	0.473	0.725	4.52E-29	2
Cr1l	2.09E-33	-0.361	0.15	0.393	5.19E-29	2
Ccr5	2.12E-33	0.957	0.586	0.475	5.27E-29	2
Ap2b1	2.13E-33	-0.287	0.144	0.386	5.29E-29	2
Cs	2.42E-33	-0.261	0.164	0.418	6.00E-29	2
Ndufb11	2.42E-33	-0.267	0.185	0.447	6.00E-29	2
Lims1	2.99E-33	-0.330	0.179	0.434	7.43E-29	2
Ddx6	3.26E-33	-0.498	0.454	0.731	8.11E-29	2
Cfdp1	3.63E-33	-0.269	0.094	0.311	9.02E-29	2
Arhgef10l	4.37E-33	0.948	0.324	0.182	1.09E-28	2
Socs1	5.05E-33	0.981	0.384	0.238	1.25E-28	2
Mpc2	5.08E-33	-0.271	0.116	0.345	1.26E-28	2
Rab18	5.59E-33	-0.291	0.116	0.344	1.39E-28	2
Cd81	6.32E-33	-0.658	0.075	0.267	1.57E-28	2

Smarca5	6.53E-33	-0.479	0.358	0.639	1.62E-28	2
Ybx3	6.93E-33	-0.528	0.271	0.526	1.72E-28	2
Ss18	7.83E-33	-0.471	0.116	0.335	1.94E-28	2
Kpna4	7.93E-33	-0.439	0.282	0.565	1.97E-28	2
Ppp1cb	9.21E-33	-0.317	0.202	0.464	2.29E-28	2
Fth1	1.03E-32	-1.065	0.979	0.985	2.55E-28	2
Cap1	1.15E-32	-0.436	0.374	0.658	2.85E-28	2
Ube2r2	1.23E-32	-0.316	0.208	0.47	3.05E-28	2
Hspd1	1.28E-32	-0.557	0.249	0.504	3.18E-28	2
Prcp	1.34E-32	-0.271	0.15	0.389	3.34E-28	2
Cd68	1.39E-32	0.443	0.807	0.615	3.46E-28	2
Rnf213	1.40E-32	1.177	0.428	0.293	3.48E-28	2
Herpud1	1.43E-32	-0.550	0.289	0.551	3.55E-28	2
Cops6	1.48E-32	-0.274	0.114	0.34	3.69E-28	2
Rpl29	1.53E-32	-0.463	0.542	0.757	3.81E-28	2
Stt3a	2.01E-32	-0.257	0.146	0.387	5.00E-28	2
Cpne3	2.35E-32	-0.270	0.085	0.293	5.84E-28	2
Irf1	2.51E-32	1.193	0.493	0.364	6.22E-28	2
Kpnb1	2.52E-32	-0.364	0.205	0.463	6.26E-28	2
Itm2b	3.20E-32	-0.678	0.621	0.809	7.96E-28	2
Rabac1	3.62E-32	-0.339	0.186	0.438	9.00E-28	2
Rwdd1	4.15E-32	-0.346	0.147	0.378	1.03E-27	2
Anp32a	4.54E-32	-0.558	0.35	0.619	1.13E-27	2
Reep5	4.60E-32	-0.433	0.392	0.648	1.14E-27	2
Rer1	4.64E-32	-0.308	0.157	0.398	1.15E-27	2
Dgat1	5.88E-32	-0.946	0.15	0.366	1.46E-27	2
Alox5ap	6.06E-32	-0.765	0.46	0.626	1.51E-27	2
Fcgr1	6.52E-32	0.936	0.459	0.319	1.62E-27	2
Nr3c1	1.20E-31	-0.606	0.179	0.417	2.99E-27	2
Dnajb11	1.27E-31	-0.303	0.182	0.432	3.15E-27	2
Vps28	1.36E-31	-0.281	0.15	0.388	3.37E-27	2
Jtb	1.59E-31	-0.328	0.134	0.363	3.95E-27	2
Sun2	1.60E-31	-0.374	0.19	0.442	3.97E-27	2
Rell1	1.74E-31	-0.391	0.086	0.289	4.32E-27	2
Cyb5r4	1.82E-31	-0.256	0.093	0.305	4.52E-27	2
Itga4	1.93E-31	-0.537	0.114	0.324	4.80E-27	2
Atp5f1	1.96E-31	-0.340	0.282	0.545	4.88E-27	2
Lrp1	2.42E-31	0.926	0.461	0.329	6.01E-27	2
Coro1a	2.72E-31	-0.555	0.591	0.792	6.76E-27	2
Zmat2	2.77E-31	-0.266	0.197	0.453	6.89E-27	2
Klf4	2.81E-31	0.816	0.717	0.603	6.98E-27	2
Fyn	3.64E-31	-0.402	0.235	0.494	9.04E-27	2
Creg1	3.90E-31	-0.573	0.196	0.421	9.69E-27	2
Khdrbs1	4.09E-31	-0.358	0.197	0.449	1.02E-26	2
Pdha1	4.57E-31	-0.300	0.108	0.322	1.14E-26	2
Stat1	5.24E-31	-0.588	0.182	0.413	1.30E-26	2

Cfl1	5.39E-31	-0.330	0.948	0.968	1.34E-26	2
Ttyh3	5.44E-31	-0.314	0.132	0.357	1.35E-26	2
Adipor1	6.35E-31	-0.397	0.236	0.495	1.58E-26	2
Sumo1	6.68E-31	-0.318	0.199	0.454	1.66E-26	2
Gsr	7.61E-31	-0.730	0.101	0.302	1.89E-26	2
Srsf2	7.75E-31	0.521	0.86	0.861	1.92E-26	2
Rap2a	8.45E-31	-0.440	0.142	0.36	2.10E-26	2
Gabarap	9.80E-31	-0.435	0.721	0.87	2.43E-26	2
Sh3glb1	1.07E-30	-0.400	0.442	0.696	2.66E-26	2
Slfn2	1.11E-30	0.616	0.781	0.723	2.76E-26	2
Capns1	1.12E-30	-0.293	0.278	0.544	2.79E-26	2
Ncf1	1.19E-30	-0.440	0.094	0.294	2.96E-26	2
Amfr	1.22E-30	-0.279	0.101	0.31	3.04E-26	2
Sypl	1.27E-30	-0.313	0.158	0.391	3.17E-26	2
Dek	1.28E-30	-0.524	0.379	0.634	3.19E-26	2
Ap1s2	1.41E-30	-0.318	0.11	0.321	3.51E-26	2
Piezo1	1.48E-30	1.067	0.532	0.448	3.68E-26	2
Vps35	1.53E-30	-0.286	0.212	0.466	3.80E-26	2
Atp6v1b2	1.56E-30	0.729	0.684	0.617	3.88E-26	2
Ctsl	1.66E-30	0.354	0.656	0.479	4.12E-26	2
Il21r	1.80E-30	-0.724	0.086	0.272	4.47E-26	2
Smap2	1.96E-30	-0.280	0.193	0.444	4.87E-26	2
Ptpn22	2.34E-30	-0.746	0.096	0.286	5.81E-26	2
Kpna1	2.36E-30	-0.324	0.111	0.323	5.87E-26	2
Cd37	2.43E-30	-0.454	0.13	0.344	6.03E-26	2
Rpl10	3.22E-30	-0.436	0.623	0.788	8.00E-26	2
Rab8b	3.70E-30	-0.543	0.558	0.795	9.19E-26	2
Hmgcs1	3.93E-30	-0.422	0.081	0.27	9.77E-26	2
Mtch1	6.41E-30	-0.253	0.131	0.351	1.59E-25	2
Crip1	6.75E-30	-0.822	0.533	0.705	1.68E-25	2
Prdx2	7.05E-30	-0.329	0.321	0.58	1.75E-25	2
Retreg1	7.54E-30	-0.509	0.075	0.262	1.87E-25	2
Tcp1	7.99E-30	-0.275	0.274	0.546	1.99E-25	2
Limd2	8.10E-30	-0.430	0.077	0.261	2.01E-25	2
Ndufv2	8.18E-30	-0.262	0.162	0.389	2.03E-25	2
Tkt	8.32E-30	-0.304	0.256	0.509	2.07E-25	2
Mif4gd	9.54E-30	-0.304	0.125	0.34	2.37E-25	2
Tmod3	9.79E-30	-0.367	0.285	0.559	2.43E-25	2
Mtdh	9.92E-30	-0.349	0.271	0.529	2.46E-25	2
Cd82	1.12E-29	-0.469	0.072	0.254	2.78E-25	2
Cnot6l	1.13E-29	-0.418	0.149	0.371	2.80E-25	2
Azin1	1.20E-29	0.886	0.633	0.598	2.97E-25	2
Purb	1.28E-29	-0.361	0.289	0.557	3.19E-25	2
Rtcb	1.45E-29	-0.259	0.107	0.315	3.59E-25	2
Tmpo	1.50E-29	-0.481	0.125	0.325	3.73E-25	2
Irs2	1.55E-29	0.912	0.52	0.415	3.84E-25	2

Ppp4r3b	1.79E-29	-0.286	0.233	0.494	4.45E-25	2
Isy1	1.81E-29	-0.361	0.154	0.381	4.49E-25	2
Ndufb5	2.26E-29	-0.251	0.145	0.371	5.62E-25	2
Atp5g3	2.65E-29	-0.458	0.479	0.701	6.58E-25	2
Ppia	2.98E-29	-0.442	0.729	0.832	7.40E-25	2
Psmb1	3.02E-29	-0.346	0.373	0.643	7.51E-25	2
Zyx	3.21E-29	-0.431	0.337	0.591	7.97E-25	2
Oxct1	3.25E-29	-0.323	0.159	0.381	8.08E-25	2
Prkar2a	3.41E-29	-0.273	0.093	0.291	8.48E-25	2
Ptges3	3.70E-29	-0.391	0.351	0.613	9.19E-25	2
Senp6	3.75E-29	-0.291	0.182	0.413	9.31E-25	2
Trim25	3.85E-29	0.748	0.664	0.59	9.57E-25	2
Lrrc59	4.13E-29	-0.270	0.179	0.42	1.03E-24	2
Fkbp3	4.26E-29	-0.271	0.093	0.291	1.06E-24	2
Mat2b	4.33E-29	-0.343	0.097	0.295	1.08E-24	2
Ctsh	4.46E-29	-0.538	0.295	0.513	1.11E-24	2
Pabpc1	4.82E-29	-0.386	0.876	0.941	1.20E-24	2
Noct	5.99E-29	0.857	0.479	0.36	1.49E-24	2
Pbrm1	7.20E-29	-0.315	0.153	0.382	1.79E-24	2
Hdgf	9.75E-29	-0.412	0.328	0.593	2.42E-24	2
Ociad1	9.77E-29	-0.331	0.251	0.505	2.43E-24	2
Chordc1	1.14E-28	-0.293	0.143	0.364	2.82E-24	2
Hmgn1	1.17E-28	-0.271	0.139	0.353	2.90E-24	2
Tmbim6	1.34E-28	-0.382	0.566	0.817	3.32E-24	2
Appl1	1.50E-28	-0.279	0.103	0.301	3.72E-24	2
Pvr	1.50E-28	1.019	0.48	0.382	3.73E-24	2
Add3	1.82E-28	-0.353	0.096	0.291	4.51E-24	2
Arf4	1.95E-28	-0.459	0.518	0.755	4.85E-24	2
Arl1	2.18E-28	-0.252	0.175	0.41	5.40E-24	2
Zbtb1	2.54E-28	-0.510	0.138	0.343	6.32E-24	2
Pa2g4	2.73E-28	-0.383	0.238	0.476	6.78E-24	2
Aebp2	2.79E-28	-0.412	0.216	0.454	6.93E-24	2
Ankrd44	2.81E-28	-0.348	0.114	0.32	6.97E-24	2
Mgat2	2.86E-28	-0.253	0.179	0.409	7.09E-24	2
Dbnl	3.34E-28	-0.284	0.15	0.37	8.29E-24	2
Rnf11	3.37E-28	-0.395	0.143	0.357	8.37E-24	2
Zfand6	3.58E-28	-0.332	0.18	0.413	8.88E-24	2
Flna	4.67E-28	-0.438	0.362	0.613	1.16E-23	2
Neat1	4.74E-28	1.300	0.447	0.335	1.18E-23	2
Tmed5	5.29E-28	-0.305	0.351	0.631	1.31E-23	2
Atp5mpl	5.59E-28	-0.286	0.245	0.504	1.39E-23	2
Mdh1	6.08E-28	-0.300	0.212	0.452	1.51E-23	2
Psme1	6.12E-28	-0.391	0.37	0.623	1.52E-23	2
Srp14	6.39E-28	-0.255	0.169	0.396	1.59E-23	2
Psma7	6.85E-28	-0.337	0.291	0.542	1.70E-23	2
Rpl37	7.42E-28	-0.383	0.779	0.859	1.84E-23	2

Pdia4	7.77E-28	-0.328	0.125	0.327	1.93E-23	2
Selplg	8.00E-28	-0.387	0.312	0.575	1.99E-23	2
Kras	8.40E-28	-0.298	0.225	0.478	2.09E-23	2
Nap114	8.78E-28	-0.272	0.139	0.357	2.18E-23	2
Erh	9.17E-28	-0.306	0.197	0.427	2.28E-23	2
Snrpe	1.11E-27	-0.377	0.356	0.607	2.77E-23	2
Arf5	1.20E-27	-0.312	0.38	0.657	2.99E-23	2
Sdhd	1.25E-27	-0.254	0.239	0.493	3.10E-23	2
Ccnd3	1.32E-27	-0.429	0.133	0.335	3.28E-23	2
Pgap2	1.38E-27	-0.261	0.094	0.286	3.43E-23	2
Esyt2	1.43E-27	-0.414	0.074	0.252	3.56E-23	2
Mthfd2	1.54E-27	-0.258	0.098	0.289	3.82E-23	2
Jmjd1c	1.83E-27	0.878	0.537	0.464	4.54E-23	2
Tomm7	1.97E-27	-0.329	0.394	0.654	4.89E-23	2
7-Sep	2.03E-27	-0.362	0.392	0.647	5.05E-23	2
mt-Nd3	2.64E-27	0.641	0.867	0.845	6.57E-23	2
Thap12	2.96E-27	-0.361	0.086	0.267	7.35E-23	2
Stat3	3.00E-27	-0.627	0.539	0.775	7.45E-23	2
Rpl22l1	3.38E-27	-0.367	0.334	0.584	8.40E-23	2
Rock1	3.48E-27	-0.379	0.375	0.642	8.64E-23	2
Rnf130	3.48E-27	-0.352	0.222	0.451	8.65E-23	2
Lrrc58	4.01E-27	-0.370	0.379	0.633	9.96E-23	2
Rpl10a	4.88E-27	-0.349	0.425	0.671	1.21E-22	2
Cox6a1	5.97E-27	-0.381	0.478	0.708	1.48E-22	2
Calm3	7.21E-27	-0.320	0.256	0.504	1.79E-22	2
Nfatc3	7.25E-27	-0.398	0.099	0.285	1.80E-22	2
P4hb	8.94E-27	-0.471	0.524	0.739	2.22E-22	2
Acot7	1.13E-26	-0.269	0.077	0.253	2.82E-22	2
Ncor1	1.34E-26	-0.283	0.265	0.521	3.33E-22	2
Tmem14c	1.50E-26	-0.287	0.255	0.503	3.74E-22	2
Pim1	1.68E-26	0.472	0.936	0.936	4.18E-22	2
Hnrnpf	1.91E-26	-0.398	0.522	0.757	4.74E-22	2
Psme2	2.08E-26	-0.372	0.209	0.433	5.17E-22	2
Nudt4	2.09E-26	-0.535	0.079	0.251	5.19E-22	2
Cebpa	2.42E-26	0.979	0.46	0.34	6.00E-22	2
Scd2	2.66E-26	-0.298	0.078	0.253	6.60E-22	2
Tiparp	2.85E-26	0.717	0.646	0.58	7.09E-22	2
Map2k3	3.20E-26	0.644	0.725	0.733	7.94E-22	2
Sugt1	3.24E-26	-0.266	0.242	0.488	8.05E-22	2
Dynll2	3.49E-26	-0.254	0.111	0.302	8.67E-22	2
H3f3a	4.07E-26	-0.342	0.856	0.946	1.01E-21	2
Smarce1	4.60E-26	-0.269	0.17	0.388	1.14E-21	2
Arl2bp	4.69E-26	-0.263	0.106	0.295	1.16E-21	2
Olfm1	5.20E-26	-0.465	0.124	0.31	1.29E-21	2
Atplal	5.35E-26	-0.363	0.373	0.622	1.33E-21	2
Fem1c	6.33E-26	0.658	0.678	0.653	1.57E-21	2

Mbd2	8.59E-26	-0.376	0.262	0.51	2.13E-21	2
Cnot6	9.06E-26	-0.269	0.179	0.403	2.25E-21	2
Itgam	9.29E-26	-0.726	0.33	0.511	2.31E-21	2
Stag2	1.07E-25	-0.281	0.133	0.335	2.65E-21	2
Rad21	1.36E-25	-0.295	0.209	0.438	3.38E-21	2
Ndufa4	1.42E-25	-0.325	0.303	0.541	3.52E-21	2
Pcmt1	1.48E-25	-0.297	0.171	0.393	3.67E-21	2
Ddx3x	1.51E-25	-0.435	0.559	0.802	3.74E-21	2
Dnaja1	1.73E-25	-0.553	0.59	0.813	4.30E-21	2
Tcn2	1.80E-25	-0.278	0.123	0.313	4.46E-21	2
Tagln2	1.89E-25	-0.546	0.616	0.769	4.70E-21	2
Ube2b	2.00E-25	-0.412	0.388	0.662	4.96E-21	2
C3ar1	2.04E-25	0.648	0.539	0.392	5.06E-21	2
Smc4	2.10E-25	-0.583	0.198	0.403	5.21E-21	2
Runx1	2.28E-25	0.793	0.554	0.469	5.66E-21	2
Nlrp3	2.47E-25	-0.289	0.62	0.489	6.14E-21	2
Atpif1	2.48E-25	-0.397	0.294	0.513	6.17E-21	2
Bcl2a1d	2.80E-25	-0.429	0.205	0.42	6.96E-21	2
Crem	3.19E-25	-0.880	0.45	0.648	7.93E-21	2
Nrip1	3.22E-25	-0.502	0.096	0.268	7.99E-21	2
Spag9	3.49E-25	0.704	0.71	0.686	8.66E-21	2
Lipa	3.57E-25	-0.590	0.176	0.368	8.87E-21	2
Grn	4.66E-25	0.350	0.79	0.612	1.16E-20	2
Ero1l	4.89E-25	-0.775	0.271	0.495	1.21E-20	2
mt-Nd4l	5.11E-25	0.601	0.829	0.811	1.27E-20	2
Arhgap30	5.21E-25	-0.291	0.176	0.392	1.29E-20	2
Irf2bp2	5.39E-25	0.664	0.588	0.515	1.34E-20	2
Rpl31	5.42E-25	-0.382	0.803	0.85	1.35E-20	2
Ppp1r10	5.75E-25	0.912	0.504	0.43	1.43E-20	2
Atp6v1h	6.07E-25	0.875	0.529	0.462	1.51E-20	2
Naaa	6.20E-25	-0.720	0.169	0.357	1.54E-20	2
Rtn3	6.73E-25	-0.300	0.366	0.633	1.67E-20	2
Pten	6.92E-25	-0.261	0.373	0.635	1.72E-20	2
Mknk2	7.33E-25	0.609	0.722	0.721	1.82E-20	2
Rpl32	9.10E-25	-0.423	0.729	0.819	2.26E-20	2
Cxcl10	9.52E-25	1.613	0.276	0.15	2.36E-20	2
Gabarapl2	1.61E-24	-0.251	0.233	0.471	4.01E-20	2
St8sia4	1.95E-24	-0.321	0.138	0.328	4.84E-20	2
Phlda1	1.97E-24	0.800	0.56	0.465	4.89E-20	2
Rps17	2.19E-24	-0.407	0.616	0.77	5.43E-20	2
Ramp3	2.83E-24	-0.664	0.1	0.268	7.04E-20	2
Cd300ld	3.01E-24	-0.407	0.09	0.258	7.47E-20	2
Golph3	3.12E-24	-0.259	0.256	0.501	7.76E-20	2
Calm2	5.36E-24	-0.425	0.551	0.781	1.33E-19	2
Ptbp3	5.36E-24	-0.292	0.502	0.753	1.33E-19	2
Zfand2a	5.38E-24	0.857	0.458	0.364	1.34E-19	2



Tnfaip8	6.00E-24	-0.387	0.217	0.432	1.49E-19	2
Serp1	6.00E-24	-0.287	0.428	0.676	1.49E-19	2
Dusp2	6.03E-24	1.062	0.528	0.433	1.50E-19	2
Arl5a	6.24E-24	-0.273	0.198	0.416	1.55E-19	2
Lactb	6.38E-24	-0.299	0.137	0.328	1.58E-19	2
Ran	6.68E-24	-0.481	0.544	0.736	1.66E-19	2
Cybb	6.93E-24	-0.835	0.267	0.435	1.72E-19	2
Ccl7	7.86E-24	0.874	0.317	0.185	1.95E-19	2
Tgfbr2	7.93E-24	-0.428	0.119	0.296	1.97E-19	2
Clec4n	8.55E-24	-0.484	0.126	0.302	2.12E-19	2
Zc3h12a	8.56E-24	0.805	0.526	0.438	2.13E-19	2
Lnpep	9.40E-24	-0.291	0.259	0.493	2.34E-19	2
Hcls1	1.28E-23	-0.286	0.335	0.592	3.18E-19	2
Slc7a11	1.31E-23	-1.089	0.093	0.251	3.26E-19	2
Naca	1.38E-23	-0.324	0.434	0.678	3.43E-19	2
Slc25a28	1.58E-23	0.861	0.307	0.197	3.93E-19	2
B4galt5	1.65E-23	0.800	0.533	0.466	4.09E-19	2
Hist1h1c	1.83E-23	-0.538	0.204	0.405	4.54E-19	2
Rpl11	2.09E-23	-0.385	0.658	0.798	5.18E-19	2
Slc16a10	2.90E-23	0.845	0.375	0.266	7.19E-19	2
Skp1a	3.03E-23	-0.309	0.285	0.525	7.52E-19	2
Mpeg1	3.05E-23	-0.694	0.295	0.467	7.58E-19	2
P4ha1	3.20E-23	-0.351	0.176	0.379	7.94E-19	2
Uap1	3.29E-23	-0.372	0.167	0.365	8.16E-19	2
Rangap1	3.84E-23	-0.269	0.179	0.383	9.53E-19	2
Itgax	4.37E-23	-0.520	0.11	0.273	1.09E-18	2
Ass1	5.03E-23	-0.338	0.105	0.274	1.25E-18	2
Capza2	5.35E-23	-0.288	0.449	0.692	1.33E-18	2
Eif5	5.62E-23	0.423	0.848	0.863	1.40E-18	2
Ctdsp2	5.97E-23	-0.276	0.094	0.263	1.48E-18	2
S100a13	6.23E-23	-0.288	0.276	0.519	1.55E-18	2
Rapgef6	6.25E-23	-0.353	0.126	0.306	1.55E-18	2
Hif1a	6.46E-23	-0.287	0.254	0.484	1.61E-18	2
Hspa1b	8.13E-23	0.894	0.677	0.579	2.02E-18	2
Sec61b	8.66E-23	-0.357	0.402	0.635	2.15E-18	2
H2-Q7	9.14E-23	-0.656	0.256	0.454	2.27E-18	2
Npm3	9.80E-23	-0.264	0.139	0.323	2.43E-18	2
H3f3b	1.01E-22	0.397	0.953	0.968	2.50E-18	2
Ube2j1	1.06E-22	-0.258	0.239	0.472	2.64E-18	2
Rgs10	1.19E-22	-0.398	0.237	0.446	2.96E-18	2
Rap1a	1.70E-22	-0.251	0.375	0.64	4.21E-18	2
Rpl19	1.95E-22	-0.320	0.639	0.794	4.84E-18	2
Aldoa	2.02E-22	-0.435	0.675	0.839	5.02E-18	2
Mlf2	2.40E-22	-0.262	0.288	0.52	5.97E-18	2
Cyb5a	2.47E-22	-0.250	0.212	0.425	6.14E-18	2
Cox7c	2.83E-22	-0.316	0.578	0.761	7.02E-18	2

H2-Q6	3.12E-22	-0.791	0.263	0.448	7.75E-18	2
Ccnd2	3.24E-22	-0.685	0.19	0.369	8.04E-18	2
Vdac1	4.21E-22	-0.327	0.294	0.514	1.05E-17	2
Map3k1	4.28E-22	-0.356	0.191	0.391	1.06E-17	2
Gnb2	4.36E-22	-0.252	0.369	0.615	1.08E-17	2
Osm	4.80E-22	0.573	0.499	0.385	1.19E-17	2
Anp32b	4.88E-22	-0.363	0.45	0.668	1.21E-17	2
H2-DMb1	4.93E-22	-0.432	0.156	0.328	1.22E-17	2
Sec62	5.42E-22	-0.293	0.382	0.635	1.35E-17	2
Ap3s1	6.24E-22	-0.254	0.221	0.437	1.55E-17	2
Adora2b	6.98E-22	0.856	0.271	0.163	1.73E-17	2
Gmfg	7.08E-22	-0.323	0.218	0.427	1.76E-17	2
Atp6ap1	7.51E-22	-0.274	0.336	0.57	1.87E-17	2
Chka	7.70E-22	0.717	0.528	0.451	1.91E-17	2
Slc25a5	8.66E-22	-0.357	0.528	0.716	2.15E-17	2
Rpl27	9.23E-22	-0.377	0.596	0.781	2.29E-17	2
Fli1	1.02E-21	-0.305	0.123	0.297	2.54E-17	2
Slc3a2	1.18E-21	0.514	0.804	0.815	2.92E-17	2
Zc3h15	1.53E-21	-0.278	0.309	0.554	3.80E-17	2
Hnrnpa3	1.91E-21	-0.311	0.522	0.723	4.75E-17	2
Stat2	3.26E-21	1.133	0.423	0.337	8.11E-17	2
Kif5b	3.58E-21	-0.262	0.415	0.662	8.88E-17	2
Snx10	3.85E-21	-0.264	0.15	0.334	9.56E-17	2
Map11c3b	3.87E-21	-0.317	0.508	0.771	9.61E-17	2
Tnfsf14	3.94E-21	0.791	0.294	0.178	9.79E-17	2
Sfr1	5.61E-21	-0.260	0.388	0.632	1.39E-16	2
Neurl3	1.02E-20	-0.548	0.226	0.42	2.54E-16	2
Pdia6	1.20E-20	-0.304	0.303	0.515	2.97E-16	2
Cln8	1.20E-20	0.773	0.414	0.326	2.98E-16	2
Plau	1.28E-20	0.781	0.404	0.284	3.19E-16	2
H2-DMa	1.45E-20	-0.442	0.23	0.41	3.61E-16	2
Lamp2	1.54E-20	-0.409	0.423	0.62	3.82E-16	2
Tab2	1.56E-20	-0.283	0.351	0.592	3.86E-16	2
Lysmd3	1.60E-20	-0.306	0.13	0.3	3.98E-16	2
Ucp2	1.77E-20	-0.420	0.712	0.805	4.38E-16	2
Nrros	1.85E-20	0.816	0.541	0.47	4.60E-16	2
Tubb2a	2.37E-20	0.866	0.402	0.315	5.88E-16	2
Adgre1	2.43E-20	-0.564	0.16	0.319	6.03E-16	2
Taf1d	4.08E-20	0.799	0.56	0.542	1.01E-15	2
Atf7ip	4.64E-20	0.694	0.4	0.296	1.15E-15	2
Atp5h	4.98E-20	-0.250	0.42	0.663	1.24E-15	2
Ms4a4c	5.36E-20	0.698	0.396	0.277	1.33E-15	2
Wipf1	6.33E-20	-0.275	0.353	0.59	1.57E-15	2
Ii1rn	6.52E-20	-0.253	0.639	0.498	1.62E-15	2
Alkbh5	6.55E-20	-0.320	0.337	0.574	1.63E-15	2
Rpl26	6.78E-20	-0.264	0.638	0.796	1.68E-15	2

Il1r2	7.12E-20	-1.008	0.176	0.334	1.77E-15	2
Bmp2k	8.06E-20	-0.253	0.199	0.397	2.00E-15	2
Ogfr1	8.39E-20	-0.309	0.118	0.278	2.08E-15	2
Zfp3612	8.62E-20	0.479	0.794	0.768	2.14E-15	2
Gda	8.90E-20	-0.431	0.232	0.412	2.21E-15	2
Runx3	1.21E-19	-0.347	0.314	0.526	3.01E-15	2
Sowahc	1.25E-19	0.881	0.393	0.304	3.11E-15	2
Flcn	1.31E-19	0.742	0.56	0.53	3.25E-15	2
Fxyd5	1.49E-19	-0.420	0.6	0.786	3.70E-15	2
Arpc3	1.81E-19	-0.328	0.597	0.791	4.50E-15	2
Glrx	2.05E-19	-0.534	0.338	0.547	5.10E-15	2
Sec61g	2.13E-19	-0.300	0.537	0.728	5.28E-15	2
Tax1bp1	2.35E-19	-0.366	0.532	0.764	5.85E-15	2
Osbp19	2.38E-19	-0.314	0.241	0.448	5.91E-15	2
Jarid2	2.82E-19	0.783	0.492	0.423	7.00E-15	2
Stk10	3.23E-19	-0.309	0.114	0.271	8.03E-15	2
Bnip3	3.86E-19	-0.573	0.16	0.32	9.58E-15	2
Eif4g2	4.31E-19	-0.359	0.578	0.779	1.07E-14	2
Rab11a	4.45E-19	-0.278	0.296	0.526	1.11E-14	2
Tmem189	4.96E-19	0.516	0.656	0.622	1.23E-14	2
Birc2	4.96E-19	-0.501	0.116	0.265	1.23E-14	2
Ubald2	5.13E-19	-0.341	0.224	0.418	1.28E-14	2
Psap	5.87E-19	-1.236	0.87	0.846	1.46E-14	2
St3gal1	5.97E-19	0.872	0.525	0.464	1.48E-14	2
Fgl2	6.52E-19	-0.409	0.256	0.443	1.62E-14	2
Ptbp1	1.42E-18	-0.311	0.443	0.679	3.52E-14	2
Pfkfb3	1.45E-18	0.650	0.417	0.32	3.60E-14	2
Cdt1	1.56E-18	0.761	0.389	0.301	3.88E-14	2
Pxn	1.75E-18	0.837	0.433	0.367	4.34E-14	2
Hspe1	1.80E-18	-0.393	0.467	0.66	4.47E-14	2
Hsph1	1.82E-18	-0.367	0.277	0.473	4.52E-14	2
Hdac5	1.89E-18	0.796	0.278	0.184	4.69E-14	2
Arhgdia	2.00E-18	-0.252	0.577	0.745	4.97E-14	2
Stab1	2.62E-18	0.649	0.324	0.213	6.50E-14	2
Ssh2	5.62E-18	-0.377	0.117	0.264	1.40E-13	2
Dot1l	6.90E-18	0.878	0.491	0.447	1.71E-13	2
Rara	7.03E-18	0.769	0.409	0.332	1.75E-13	2
Timp2	8.56E-18	-0.805	0.18	0.319	2.13E-13	2
Npepps	9.15E-18	-0.317	0.285	0.503	2.27E-13	2
Mapk6	1.32E-17	0.655	0.585	0.559	3.27E-13	2
Rbpj	1.32E-17	-0.281	0.396	0.62	3.28E-13	2
Foxo1	1.37E-17	-0.332	0.132	0.283	3.40E-13	2
Tpp1	1.42E-17	-0.275	0.246	0.427	3.53E-13	2
Rpl28	3.17E-17	-0.324	0.815	0.84	7.88E-13	2
Anxa4	3.67E-17	-0.367	0.268	0.441	9.11E-13	2
2310022A10Rik	4.14E-17	0.800	0.375	0.297	1.03E-12	2

Rsad2	4.71E-17	0.974	0.276	0.173	1.17E-12	2
Atp1b3	5.04E-17	-0.310	0.599	0.79	1.25E-12	2
Nfkbib	8.20E-17	0.776	0.546	0.518	2.04E-12	2
Ezr	8.85E-17	-0.353	0.527	0.739	2.20E-12	2
Rnf149	1.04E-16	0.327	0.774	0.74	2.57E-12	2
Hnrnpab	1.06E-16	-0.323	0.581	0.764	2.63E-12	2
Fosl2	1.28E-16	0.350	0.768	0.775	3.17E-12	2
Plek	1.39E-16	-0.645	0.571	0.724	3.45E-12	2
Ugcg	2.30E-16	0.641	0.529	0.49	5.71E-12	2
H2-K1	3.15E-16	-0.431	0.92	0.953	7.82E-12	2
Eps8	3.16E-16	0.875	0.448	0.383	7.84E-12	2
Cyba	4.06E-16	-0.321	0.546	0.714	1.01E-11	2
1700017B05Rik	4.27E-16	0.567	0.48	0.408	1.06E-11	2
Cyp4f18	5.61E-16	-1.198	0.142	0.277	1.39E-11	2
Sqstm1	7.30E-16	0.340	0.893	0.901	1.81E-11	2
Rap1b	7.92E-16	-0.299	0.717	0.873	1.97E-11	2
Myliip	7.94E-16	0.816	0.375	0.29	1.97E-11	2
Ftl1	8.48E-16	-0.569	0.954	0.965	2.11E-11	2
Cox8a	8.92E-16	-0.255	0.625	0.783	2.22E-11	2
Xaf1	1.69E-15	0.759	0.251	0.165	4.20E-11	2
Grina	2.21E-15	-0.593	0.327	0.514	5.50E-11	2
Nuak2	3.61E-15	0.856	0.399	0.332	8.96E-11	2
Rpl13	3.75E-15	-0.289	0.802	0.849	9.31E-11	2
Rrbp1	4.17E-15	0.537	0.712	0.692	1.04E-10	2
Aldh2	5.44E-15	-0.255	0.202	0.362	1.35E-10	2
Eif1	5.52E-15	-0.324	0.873	0.956	1.37E-10	2
Abca1	5.94E-15	0.621	0.386	0.29	1.47E-10	2
Rsb1l1	7.80E-15	-0.302	0.118	0.251	1.94E-10	2
Rapgef2	8.19E-15	0.734	0.392	0.327	2.03E-10	2
Plekho1	9.40E-15	0.769	0.377	0.323	2.34E-10	2
Mxd1	1.14E-14	0.411	0.705	0.692	2.83E-10	2
Tpi1	1.14E-14	-0.259	0.412	0.596	2.84E-10	2
Ptma	1.47E-14	-0.346	0.927	0.93	3.65E-10	2
Anxa5	1.57E-14	0.451	0.67	0.612	3.89E-10	2
Pgam1	1.70E-14	-0.402	0.528	0.689	4.23E-10	2
Ldlr	2.43E-14	0.824	0.396	0.329	6.04E-10	2
Tet2	2.77E-14	0.712	0.41	0.347	6.88E-10	2
Hspa8	2.97E-14	-0.307	0.892	0.907	7.37E-10	2
Lcp2	4.04E-14	-0.262	0.162	0.307	1.00E-09	2
Rassf1	4.23E-14	0.775	0.452	0.423	1.05E-09	2
Mmp19	4.78E-14	0.740	0.422	0.342	1.19E-09	2
Pdxk	4.90E-14	0.782	0.362	0.299	1.22E-09	2
Pip5k1c	6.36E-14	0.781	0.551	0.547	1.58E-09	2
Gabpb1	6.67E-14	-0.280	0.131	0.263	1.66E-09	2
Zfp292	7.46E-14	-0.324	0.154	0.296	1.85E-09	2
Sub1	1.02E-13	-0.343	0.538	0.731	2.53E-09	2

Ifi27l2a	1.55E-13	0.486	0.577	0.523	3.85E-09	2
Per1	1.64E-13	0.749	0.341	0.271	4.08E-09	2
Entpd1	1.87E-13	-0.351	0.208	0.357	4.64E-09	2
Cflar	2.12E-13	0.658	0.584	0.592	5.25E-09	2
Ifi204	2.14E-13	0.774	0.382	0.31	5.33E-09	2
Kctd12	2.17E-13	-0.442	0.445	0.624	5.39E-09	2
Tob2	2.39E-13	0.377	0.689	0.7	5.93E-09	2
Ccl6	2.82E-13	-1.350	0.466	0.552	7.01E-09	2
Rbm47	3.04E-13	0.666	0.43	0.376	7.56E-09	2
Selenop	3.38E-13	-1.507	0.298	0.429	8.40E-09	2
Il10rb	4.84E-13	0.635	0.513	0.484	1.20E-08	2
Oasl2	5.20E-13	0.743	0.314	0.232	1.29E-08	2
Atp6v0b	6.37E-13	0.532	0.591	0.579	1.58E-08	2
Il10ra	7.06E-13	0.737	0.33	0.262	1.75E-08	2
Phf23	7.21E-13	0.732	0.471	0.457	1.79E-08	2
Ptpre	7.26E-13	0.819	0.423	0.37	1.80E-08	2
Fcgr4	7.84E-13	0.625	0.349	0.265	1.95E-08	2
Tgm2	8.72E-13	0.282	0.533	0.45	2.17E-08	2
Plekhm2	9.54E-13	0.803	0.381	0.328	2.37E-08	2
Plbd1	9.95E-13	-0.481	0.342	0.476	2.47E-08	2
Dynll1	1.08E-12	0.447	0.704	0.73	2.69E-08	2
Tent5c	1.09E-12	0.687	0.5	0.468	2.70E-08	2
Gas2l3	1.60E-12	0.663	0.412	0.351	3.98E-08	2
Bst2	1.89E-12	0.700	0.396	0.351	4.69E-08	2
Ly6c2	1.90E-12	0.692	0.289	0.196	4.72E-08	2
Il7r	2.17E-12	-0.374	0.237	0.377	5.39E-08	2
Cfp	2.48E-12	-0.252	0.272	0.426	6.17E-08	2
Tuba1b	2.86E-12	0.421	0.646	0.595	7.10E-08	2
Clk1	3.09E-12	0.467	0.643	0.678	7.67E-08	2
Tbc1d9	3.62E-12	0.779	0.383	0.334	8.99E-08	2
Rasa2	3.90E-12	-0.253	0.177	0.313	9.69E-08	2
Zcchc2	4.80E-12	0.671	0.348	0.28	1.19E-07	2
Clcn4	4.85E-12	0.917	0.394	0.352	1.21E-07	2
Rab1a	4.93E-12	0.441	0.711	0.755	1.23E-07	2
Ccl4	5.71E-12	-0.645	0.42	0.313	1.42E-07	2
Cndp2	5.74E-12	0.516	0.531	0.471	1.43E-07	2
Gpx1	6.76E-12	-0.321	0.57	0.709	1.68E-07	2
Slc38a1	6.79E-12	0.686	0.526	0.51	1.69E-07	2
Bach1	7.46E-12	0.626	0.531	0.511	1.85E-07	2
Hbegf	7.57E-12	0.577	0.263	0.181	1.88E-07	2
Sde2	7.87E-12	0.574	0.491	0.467	1.96E-07	2
Ly6e	8.10E-12	-0.400	0.653	0.751	2.01E-07	2
Arl4c	8.44E-12	0.486	0.684	0.683	2.10E-07	2
Abl2	9.47E-12	0.682	0.413	0.368	2.35E-07	2
Plk2	9.86E-12	0.955	0.334	0.261	2.45E-07	2
Eeal	1.24E-11	-0.298	0.329	0.501	3.09E-07	2

Cited2	1.31E-11	0.529	0.546	0.509	3.26E-07	2
Clk4	1.47E-11	0.636	0.402	0.357	3.65E-07	2
Topors	1.58E-11	0.729	0.462	0.45	3.92E-07	2
Cytip	1.83E-11	-0.325	0.525	0.679	4.54E-07	2
Stx11	2.44E-11	-0.392	0.261	0.399	6.05E-07	2
Vegfa	2.63E-11	0.809	0.459	0.404	6.54E-07	2
Slc7a8	3.82E-11	0.652	0.37	0.311	9.49E-07	2
Akr1a1	4.06E-11	-0.261	0.512	0.657	1.01E-06	2
Lmnb1	4.96E-11	-0.472	0.505	0.678	1.23E-06	2
Tpst2	5.14E-11	0.715	0.472	0.461	1.28E-06	2
Ctsb	6.28E-11	-0.282	0.935	0.838	1.56E-06	2
Mef2d	7.62E-11	0.579	0.525	0.526	1.89E-06	2
Tubb6	8.37E-11	0.614	0.504	0.502	2.08E-06	2
Gng5	9.08E-11	0.431	0.626	0.677	2.25E-06	2
Vps18	9.61E-11	0.739	0.347	0.298	2.39E-06	2
Rgs1	1.09E-10	0.841	0.596	0.591	2.71E-06	2
Lamp1	1.15E-10	-0.494	0.614	0.67	2.85E-06	2
Emp1	1.25E-10	0.362	0.553	0.468	3.10E-06	2
Entpd7	1.59E-10	0.755	0.331	0.28	3.95E-06	2
Rybp	1.60E-10	0.534	0.552	0.57	3.97E-06	2
Prdm2	1.79E-10	0.537	0.525	0.523	4.46E-06	2
Gm6377	1.89E-10	0.717	0.269	0.209	4.69E-06	2
Impact	2.15E-10	0.742	0.397	0.354	5.35E-06	2
Pla2g7	3.00E-10	-0.547	0.268	0.387	7.46E-06	2
Arap1	3.52E-10	0.625	0.346	0.297	8.74E-06	2
Cyth4	7.71E-10	0.568	0.501	0.498	1.91E-05	2
Mat2a	9.52E-10	0.474	0.578	0.58	2.36E-05	2
Snhg9	1.08E-09	0.685	0.327	0.277	2.68E-05	2
Ppp2ca	1.27E-09	0.395	0.697	0.751	3.15E-05	2
Slc30a1	1.39E-09	0.838	0.396	0.373	3.46E-05	2
Anxa2	1.57E-09	-0.277	0.613	0.732	3.90E-05	2
App	2.08E-09	-0.453	0.594	0.611	5.17E-05	2
Srsf7	2.18E-09	0.534	0.578	0.597	5.40E-05	2
Cbx4	2.66E-09	0.654	0.369	0.32	6.60E-05	2
Fnip1	2.71E-09	0.477	0.553	0.56	6.72E-05	2
Pmaip1	3.63E-09	-0.269	0.289	0.426	9.02E-05	2
Csf2ra	3.82E-09	0.357	0.656	0.606	9.50E-05	2
Vps37b	4.00E-09	-0.372	0.489	0.646	9.94E-05	2
Dpp7	4.05E-09	0.719	0.282	0.231	0.000100583	2
Ifi203	4.08E-09	0.934	0.362	0.324	0.000101361	2
Rars	4.44E-09	0.719	0.449	0.441	0.000110176	2
Rbm25	5.05E-09	0.402	0.73	0.769	0.000125331	2
Arid5b	5.78E-09	0.503	0.342	0.283	0.000143593	2
Rabgef1	7.03E-09	0.620	0.439	0.421	0.000174636	2
Alas1	7.25E-09	0.492	0.263	0.202	0.000180164	2
Sgpl1	8.53E-09	0.475	0.588	0.604	0.000211799	2

Pnp	8.56E-09	0.601	0.531	0.547	0.000212618	2
Msrbl	1.05E-08	-0.312	0.317	0.475	0.00026178	2
Ddx39b	1.35E-08	0.500	0.519	0.542	0.000335866	2
Pi4k2a	1.55E-08	0.814	0.366	0.344	0.000385809	2
Ell	1.75E-08	0.442	0.29	0.235	0.000434762	2
Plec	1.91E-08	0.679	0.426	0.409	0.000474642	2
Hexim1	1.93E-08	0.469	0.672	0.721	0.00048062	2
Hsp90aa1	2.59E-08	-0.275	0.873	0.941	0.000642485	2
Oser1	3.54E-08	0.572	0.448	0.452	0.000878342	2
Mt1	3.59E-08	0.264	0.821	0.764	0.000891503	2
Baiap2	3.76E-08	0.704	0.31	0.269	0.000934819	2
Slc11a2	3.80E-08	0.724	0.297	0.26	0.000945088	2
Zbtb21	5.49E-08	0.528	0.314	0.272	0.001364301	2
Odc1	7.10E-08	-0.669	0.585	0.699	0.001764117	2
Mt2	7.57E-08	-0.251	0.417	0.542	0.001880445	2
Sh3bp2	7.99E-08	0.607	0.262	0.218	0.001985344	2
Ctsc	8.70E-08	-0.409	0.508	0.604	0.002160608	2
Tet3	9.52E-08	0.612	0.355	0.325	0.002364546	2
Pim3	1.11E-07	0.620	0.271	0.224	0.0027676	2
Rab7	1.25E-07	-0.367	0.708	0.834	0.003116018	2
5031439G07Rik	1.33E-07	0.703	0.423	0.426	0.003292483	2
Lrrc25	1.55E-07	0.590	0.327	0.291	0.003851803	2
Arhgap17	1.68E-07	0.646	0.34	0.316	0.004167199	2
Tlcd2	1.83E-07	0.525	0.257	0.206	0.004537088	2
Hnrnpl	2.07E-07	0.521	0.605	0.667	0.005150871	2
Osbpl8	2.25E-07	0.536	0.509	0.521	0.005580559	2
Pcf11	2.31E-07	0.495	0.501	0.517	0.005735496	2
Rad23a	3.09E-07	0.269	0.18	0.304	0.007685625	2
Cacul1	3.20E-07	0.599	0.482	0.516	0.007950816	2
Luc7l3	3.59E-07	0.516	0.538	0.567	0.008908645	2
Arg2	4.71E-07	0.381	0.278	0.217	0.011694354	2
Chchd2	6.04E-07	0.272	0.81	0.85	0.014999614	2
Ppig	6.82E-07	0.557	0.619	0.662	0.016931298	2
Irgm1	7.10E-07	0.871	0.316	0.276	0.017627882	2
Pltp	8.74E-07	-0.396	0.206	0.293	0.021716297	2
Nop56	9.22E-07	0.568	0.541	0.574	0.022898254	2
Tpd52	9.38E-07	-0.316	0.552	0.653	0.023292211	2
Zbtb7a	9.65E-07	0.547	0.559	0.607	0.023964164	2
Tra2b	1.04E-06	0.411	0.639	0.713	0.025729596	2
Bag3	1.12E-06	0.573	0.432	0.43	0.027850704	2
Malt1	1.31E-06	0.568	0.475	0.459	0.032462803	2
Ndr1	1.31E-06	-0.269	0.344	0.467	0.032522733	2
Son	1.39E-06	0.327	0.705	0.774	0.034613507	2
Xdh	1.43E-06	0.606	0.294	0.257	0.035414265	2
Midn	1.66E-06	0.522	0.515	0.551	0.041345662	2
Ftl1-ps1	1.78E-06	-0.375	0.792	0.833	0.044135384	2

Etv3	2.58E-06	0.398	0.499	0.485	0.064077056	2
Maff	2.66E-06	0.455	0.43	0.412	0.066177798	2
Cdk9	2.78E-06	0.425	0.48	0.508	0.069173842	2
Itpkb	2.98E-06	0.468	0.415	0.402	0.074006935	2
Cd274	3.00E-06	0.416	0.447	0.428	0.074614062	2
Gde1	3.15E-06	0.573	0.336	0.306	0.078364609	2
Mir142hg	3.43E-06	0.508	0.31	0.268	0.085119306	2
Ifnar2	4.16E-06	0.604	0.362	0.349	0.103398841	2
Irak2	4.24E-06	0.474	0.467	0.471	0.105357176	2
Slc15a3	4.36E-06	0.438	0.499	0.495	0.108387136	2
Pnir	4.49E-06	0.656	0.337	0.317	0.111546619	2
Pde4b	4.65E-06	0.476	0.544	0.565	0.115401247	2
Tmsb10	5.20E-06	0.251	0.844	0.823	0.129226851	2
Spty2d1	6.35E-06	0.401	0.586	0.645	0.157688259	2
Rilpl2	6.96E-06	0.593	0.58	0.62	0.172869928	2
Mndal	6.97E-06	0.781	0.438	0.443	0.173208883	2
Casp4	7.16E-06	0.593	0.375	0.362	0.177736503	2
Ifi211	7.36E-06	0.617	0.251	0.216	0.18292066	2
Mrc1	7.84E-06	-0.534	0.269	0.342	0.194668394	2
Elf2	9.21E-06	0.522	0.381	0.379	0.228726654	2
Dgkz	1.04E-05	0.481	0.308	0.28	0.257332725	2
Txnip	1.13E-05	0.277	0.377	0.343	0.280011756	2
Ldlrap1	1.22E-05	0.525	0.267	0.233	0.302202182	2
Srgap2	1.42E-05	0.562	0.251	0.22	0.352774199	2
Ifitm2	1.50E-05	0.254	0.646	0.626	0.372915551	2
Creb5	2.06E-05	0.558	0.256	0.221	0.511704467	2
Zbp1	2.35E-05	0.528	0.252	0.221	0.584709111	2
Hnrnpd	2.74E-05	0.401	0.532	0.574	0.679501178	2
Fam214b	2.75E-05	0.475	0.327	0.312	0.681866922	2
Srsf3	2.93E-05	0.404	0.524	0.574	0.726674984	2
Slc11a1	3.13E-05	0.486	0.395	0.365	0.778408497	2
H2-Ab1	3.50E-05	-0.286	0.772	0.651	0.868305734	2
Nfat5	3.78E-05	0.564	0.434	0.445	0.937949629	2
Metrn1	4.03E-05	0.487	0.44	0.444	1	2
Atp6v1c1	4.56E-05	0.426	0.438	0.44	1	2
Psmb6	4.66E-05	0.571	0.452	0.495	1	2
Vmp1	4.75E-05	0.398	0.498	0.537	1	2
Hck	4.80E-05	0.440	0.283	0.257	1	2
Lpin2	5.28E-05	0.492	0.294	0.266	1	2
Lyn	5.38E-05	0.427	0.499	0.514	1	2
Ier2	5.45E-05	0.380	0.471	0.484	1	2
Parp14	5.95E-05	0.754	0.282	0.259	1	2
Rhbdf2	6.30E-05	0.501	0.341	0.33	1	2
Prkcd	6.67E-05	0.489	0.54	0.584	1	2
Ptms	8.21E-05	0.376	0.644	0.678	1	2
Ccl9	8.25E-05	-0.798	0.42	0.462	1	2



mt-Atp8	9.99E-05	0.552	0.469	0.518	1	2
Bcl2l11	0.00010013	0.315	0.596	0.62	1	2
Ctsd	0.00010856	-0.559	0.539	0.593	1	2
Syk	0.00011131	0.437	0.504	0.527	1	2
Chmp4b	0.00011374	0.277	0.663	0.749	1	2
Nfic	0.00011526	0.717	0.328	0.314	1	2
Klf10	0.00015205	0.434	0.296	0.274	1	2
Pf4	0.00016515	0.455	0.282	0.233	1	2
Lamtor3	0.00020067	0.514	0.324	0.325	1	2
Sra1	0.00022644	0.633	0.429	0.461	1	2
Egr1	0.00023323	-0.391	0.48	0.452	1	2
Ppp2r2a	0.00024156	0.409	0.468	0.513	1	2
Irf8	0.00024379	0.413	0.421	0.417	1	2
Slc8b1	0.00024739	0.590	0.285	0.271	1	2
Dhrs3	0.00025311	0.572	0.279	0.256	1	2
Top1	0.00027157	0.370	0.64	0.705	1	2
Capg	0.00030005	0.333	0.548	0.54	1	2
U2af2	0.00030439	0.292	0.604	0.681	1	2
Ankrd11	0.00034287	0.535	0.507	0.561	1	2
Tcf4	0.00040625	0.428	0.31	0.293	1	2
Furin	0.00045809	0.372	0.514	0.551	1	2
Snx5	0.00050499	0.277	0.591	0.601	1	2
Nufip2	0.0005452	0.438	0.545	0.617	1	2
Ewsr1	0.00055958	0.282	0.625	0.712	1	2
Srrm2	0.00062624	0.268	0.689	0.759	1	2
Khdc4	0.00065215	0.451	0.312	0.305	1	2
Gtf2f1	0.00069254	0.500	0.388	0.414	1	2
F13a1	0.00071938	-0.389	0.222	0.274	1	2
Lmo4	0.0007694	0.369	0.427	0.441	1	2
Hnrnpdl	0.00077131	0.361	0.547	0.637	1	2
Csf2rb2	0.00092464	0.585	0.447	0.461	1	2
Snx8	0.00092558	0.502	0.282	0.273	1	2
Prrc2a	0.00092773	0.557	0.298	0.296	1	2
Zfp131	0.00100298	0.470	0.414	0.439	1	2
Snx30	0.00104161	0.497	0.268	0.255	1	2
H2afj	0.00109685	0.510	0.368	0.39	1	2
Rsrc2	0.00125234	0.459	0.473	0.521	1	2
Slamf7	0.00141187	0.527	0.343	0.334	1	2
Nfil3	0.00142914	0.400	0.546	0.597	1	2
Mbnl2	0.00148846	0.408	0.461	0.497	1	2
Ube2q1	0.00149018	0.461	0.456	0.52	1	2
Coq10b	0.00152565	0.429	0.435	0.48	1	2
Stam2	0.0015969	0.478	0.263	0.255	1	2
Ccl8	0.00181541	-0.461	0.278	0.235	1	2
Sgk1	0.00185607	0.483	0.348	0.338	1	2
Hnrnpa1	0.0018962	0.311	0.601	0.678	1	2

Gpnm	0.0019791	-0.387	0.288	0.248	1	2
Nup50	0.00223812	0.430	0.354	0.369	1	2
Nfkbid	0.00224179	0.379	0.31	0.291	1	2
Stx3	0.00227721	0.382	0.289	0.283	1	2
Cwc25	0.00253879	0.485	0.336	0.344	1	2
Snx18	0.0028924	0.391	0.46	0.491	1	2
Brpf1	0.00323814	0.461	0.259	0.25	1	2
Ankrd17	0.00323848	0.423	0.445	0.49	1	2
Nr4a2	0.00366415	0.481	0.493	0.514	1	2
Irf9	0.00379707	0.487	0.343	0.36	1	2
Tle4	0.00394531	0.364	0.34	0.343	1	2
CD4-pAbO (Ab)	0.00418009	-1.443	0.86	0.883	1	2
Paf1	0.00440311	0.623	0.32	0.337	1	2
Tlr2	0.0047356	0.525	0.282	0.271	1	2
Emp3	0.0047625	0.258	0.638	0.678	1	2
Nceh1	0.00535089	0.446	0.355	0.366	1	2
Srek1	0.00576391	0.564	0.307	0.316	1	2
Myo5a	0.00592412	0.255	0.259	0.356	1	2
Fbxo34	0.00597129	0.638	0.271	0.265	1	2
Cln3	0.00603805	0.260	0.366	0.374	1	2
Slc31a1	0.00617512	0.262	0.223	0.309	1	2
Tmbim1	0.00645316	0.307	0.218	0.307	1	2
Poldip3	0.00662706	0.285	0.277	0.392	1	2
Flrt3	0.00884791	0.284	0.337	0.309	1	2
Hmgb2	0.00902736	-0.283	0.583	0.69	1	2
Nt5c3	0.00925642	0.570	0.257	0.255	1	2
Thoc2	0.00933657	0.360	0.314	0.433	1	2
Tns3	0.00987138	0.485	0.264	0.263	1	2
S100a9	0	6.303	0.771	0.021	0	3
S100a8	0	6.186	0.802	0.035	0	3
Ccl3	0	5.606	0.932	0.249	0	3
Hcar2	0	5.083	0.952	0.105	0	3
Gm5483	0	4.837	0.388	0.007	0	3
Acod1	0	4.615	0.821	0.079	0	3
Slpi	0	4.338	0.742	0.105	0	3
Cxcl2	0	4.284	0.997	0.624	0	3
Lcn2	0	4.238	0.468	0.01	0	3
Il1f9	0	4.021	0.508	0.006	0	3
Clec4d	0	3.823	0.949	0.373	0	3
Hdc	0	3.535	0.667	0.061	0	3
Stfa211	0	3.502	0.315	0.005	0	3
Gm20406	0	2.469	0.508	0.009	0	3
G0s2	0	2.435	0.381	0.014	0	3
Wfdc21	0	2.397	0.296	0.004	0	3
Chil1	0	2.091	0.291	0.002	0	3
Cd24a	8.82E-306	2.913	0.874	0.261	2.19E-301	3

Mirt2	1.73E-298	1.746	0.274	0.005	4.31E-294	3
Egr1	6.67E-296	4.177	0.923	0.41	1.66E-291	3
Fth1	6.98E-294	2.528	0.998	0.983	1.73E-289	3
Ccl4	2.91E-284	4.695	0.832	0.276	7.23E-280	3
Cxcr2	3.36E-269	2.330	0.323	0.016	8.36E-265	3
Slc7a11	8.05E-263	3.027	0.721	0.182	2.00E-258	3
Clec4e	8.81E-257	3.551	0.822	0.293	2.19E-252	3
Rps24	1.91E-256	-2.763	0.267	0.931	4.74E-252	3
Cxcl3	2.13E-251	4.172	0.571	0.101	5.28E-247	3
Ptma	8.17E-245	-2.411	0.47	0.975	2.03E-240	3
Ccr1	2.71E-244	2.904	0.899	0.469	6.72E-240	3
Rps23	4.53E-242	-2.588	0.243	0.911	1.12E-237	3
Il1rn	1.01E-239	3.529	0.904	0.478	2.51E-235	3
Rps29	1.54E-237	-1.891	0.586	0.962	3.82E-233	3
Il1b	2.28E-237	3.331	0.795	0.266	5.66E-233	3
Fpr2	4.59E-235	2.660	0.499	0.077	1.14E-230	3
Rpl13	1.09E-233	-2.476	0.186	0.908	2.70E-229	3
Hsp90ab1	1.00E-228	-2.424	0.318	0.942	2.48E-224	3
Rpl39	1.62E-228	-2.588	0.309	0.906	4.03E-224	3
Rpl28	1.29E-225	-2.463	0.246	0.895	3.20E-221	3
Rps4x	1.69E-224	-2.893	0.137	0.861	4.19E-220	3
Nlrp3	1.71E-222	3.889	0.856	0.472	4.26E-218	3
Rpl31	4.43E-222	-2.292	0.282	0.9	1.10E-217	3
Rps11	2.27E-220	-2.585	0.256	0.888	5.64E-216	3
Rps20	1.68E-219	-2.352	0.258	0.907	4.18E-215	3
Rpl32	2.25E-219	-2.465	0.133	0.874	5.60E-215	3
Tmsb10	8.99E-219	-2.590	0.149	0.893	2.23E-214	3
Rps26	9.50E-217	-2.240	0.417	0.93	2.36E-212	3
Srgn	5.33E-216	2.008	0.993	0.959	1.32E-211	3
Rplp1	2.21E-212	-2.071	0.455	0.944	5.49E-208	3
Rpl6	7.93E-211	-2.181	0.301	0.906	1.97E-206	3
Npm1	6.96E-206	-2.294	0.149	0.87	1.73E-201	3
Rps12	1.84E-205	-1.913	0.511	0.945	4.57E-201	3
Fpr1	3.53E-205	1.860	0.27	0.016	8.77E-201	3
Rpl38	5.11E-205	-2.007	0.309	0.914	1.27E-200	3
Rpsa	1.74E-204	-2.563	0.085	0.821	4.32E-200	3
Rpl41	4.45E-204	-1.735	0.506	0.955	1.11E-199	3
Upp1	1.01E-203	2.166	0.378	0.045	2.50E-199	3
Ahnak	1.46E-203	-2.586	0.106	0.845	3.63E-199	3
Rpl27a	7.54E-203	-1.986	0.34	0.91	1.87E-198	3
Il1a	3.19E-202	3.724	0.475	0.083	7.91E-198	3
Rpl15	5.34E-202	-2.231	0.121	0.843	1.33E-197	3
Rps15	3.01E-199	-2.133	0.2	0.877	7.47E-195	3
Rpl5	1.35E-198	-2.474	0.224	0.869	3.36E-194	3
Trem1	1.92E-198	3.033	0.648	0.191	4.77E-194	3
Rps19	3.40E-198	-2.257	0.179	0.855	8.46E-194	3

S100a10	7.03E-198	-2.757	0.036	0.766	1.75E-193	3
Rpl37a	1.09E-197	-2.011	0.379	0.91	2.70E-193	3
Ftl1	1.77E-197	1.563	0.997	0.96	4.39E-193	3
Rps8	1.20E-195	-2.062	0.424	0.918	2.99E-191	3
Rack1	6.37E-195	-2.296	0.12	0.825	1.58E-190	3
Ctss	1.15E-194	-3.639	0.193	0.832	2.86E-190	3
Rps27a	1.17E-194	-1.925	0.405	0.917	2.91E-190	3
Lgals1	3.92E-194	-3.001	0.051	0.769	9.75E-190	3
Rpl35	2.58E-193	-2.315	0.195	0.853	6.41E-189	3
Rps5	6.01E-193	-2.136	0.181	0.864	1.49E-188	3
Rpl19	7.75E-192	-2.023	0.125	0.838	1.93E-187	3
Rpl4	1.05E-190	-2.334	0.19	0.849	2.62E-186	3
Rpl7a	1.58E-188	-1.876	0.191	0.873	3.92E-184	3
Lilr4b	8.66E-188	2.248	0.908	0.708	2.15E-183	3
Rpl23a	5.73E-186	-1.976	0.315	0.886	1.42E-181	3
Rpl12	1.15E-185	-2.230	0.137	0.825	2.86E-181	3
Ppia	1.41E-185	-1.982	0.231	0.877	3.50E-181	3
Dusp1	2.22E-185	2.097	0.938	0.717	5.50E-181	3
Crip1	1.46E-184	-2.993	0.041	0.746	3.63E-180	3
Rpl11	1.76E-182	-1.950	0.173	0.84	4.36E-178	3
Rps7	2.69E-178	-2.127	0.241	0.857	6.67E-174	3
Ptgs2	8.38E-178	3.298	0.699	0.249	2.08E-173	3
Rps16	1.03E-177	-1.823	0.419	0.906	2.57E-173	3
Rps6	1.17E-176	-1.961	0.325	0.884	2.90E-172	3
Rpl37	3.89E-176	-1.782	0.368	0.897	9.65E-172	3
Pnrc1	6.95E-176	2.224	0.889	0.72	1.73E-171	3
Slfn4	4.55E-175	2.539	0.629	0.174	1.13E-170	3
Rpl7	1.06E-173	-2.022	0.188	0.837	2.63E-169	3
Rps18	3.78E-173	-2.203	0.096	0.775	9.38E-169	3
Rpl17	8.52E-173	-1.724	0.557	0.932	2.12E-168	3
Rps17	8.13E-172	-1.931	0.135	0.811	2.02E-167	3
Rplp0	1.02E-171	-1.821	0.27	0.89	2.53E-167	3
Rpl23	1.26E-171	-1.477	0.675	0.94	3.12E-167	3
Rps21	1.67E-171	-1.869	0.195	0.853	4.15E-167	3
Gadd45a	2.01E-171	2.726	0.663	0.234	5.00E-167	3
Rpl21	1.52E-169	-1.917	0.176	0.829	3.79E-165	3
Rpl36a	3.78E-169	-2.217	0.079	0.752	9.39E-165	3
Got1	3.75E-168	-2.362	0.036	0.709	9.31E-164	3
Csf1	3.17E-167	2.697	0.391	0.064	7.86E-163	3
Rpl35a	8.64E-167	-1.644	0.393	0.912	2.15E-162	3
Gnas	2.06E-165	-1.857	0.272	0.876	5.13E-161	3
Rps14	4.45E-164	-1.758	0.48	0.906	1.11E-159	3
Rpl29	7.06E-164	-1.799	0.113	0.79	1.75E-159	3
Rps3a1	1.66E-163	-1.835	0.381	0.888	4.12E-159	3
Tagln2	2.75E-163	-2.014	0.137	0.809	6.83E-159	3
Rps15a	5.37E-163	-1.983	0.173	0.822	1.33E-158	3

Rps3	8.56E-163	-1.764	0.417	0.904	2.13E-158	3
Gm11808	1.71E-160	-1.818	0.185	0.819	4.24E-156	3
Rpl27	3.94E-160	-1.739	0.15	0.817	9.79E-156	3
Cd9	1.42E-159	2.027	0.805	0.431	3.52E-155	3
Mt1	1.87E-159	-2.079	0.212	0.827	4.64E-155	3
Marcks11	2.58E-158	2.829	0.827	0.53	6.41E-154	3
Cd14	2.83E-158	2.061	0.908	0.621	7.02E-154	3
Rpl3	3.17E-158	-1.860	0.14	0.794	7.88E-154	3
Cst3	8.21E-158	-3.090	0.303	0.842	2.04E-153	3
Ly6e	1.33E-157	-2.385	0.174	0.794	3.30E-153	3
Itm2b	1.73E-157	-2.203	0.234	0.839	4.29E-153	3
Cd53	3.37E-157	1.793	0.921	0.799	8.37E-153	3
Rpl30	8.72E-157	-1.793	0.311	0.857	2.17E-152	3
Cox6c	4.36E-156	-1.765	0.097	0.759	1.08E-151	3
Rpl14	4.88E-156	-1.873	0.092	0.75	1.21E-151	3
Rpl26	1.01E-155	-1.660	0.185	0.834	2.50E-151	3
Rps2	2.08E-155	-1.712	0.256	0.854	5.16E-151	3
Rpl34	2.52E-155	-1.641	0.468	0.899	6.25E-151	3
Rpl22	2.96E-155	-1.748	0.08	0.744	7.35E-151	3
Selenow	3.70E-155	-1.744	0.036	0.688	9.18E-151	3
Rnf149	4.04E-155	2.018	0.903	0.728	1.00E-150	3
Cox7c	5.16E-154	-1.650	0.144	0.796	1.28E-149	3
Atp5g3	3.29E-153	-1.755	0.084	0.73	8.16E-149	3
Ankrd33b	8.47E-153	2.096	0.576	0.179	2.10E-148	3
Rab7	3.91E-152	1.931	0.897	0.809	9.70E-148	3
Mirt1	4.04E-152	1.575	0.28	0.031	1.00E-147	3
Rpl18a	1.28E-151	-1.580	0.291	0.884	3.19E-147	3
Hspe1	2.20E-151	-2.033	0.048	0.693	5.46E-147	3
Ets2	1.49E-150	2.126	0.827	0.595	3.70E-146	3
Tlr6	3.48E-150	1.778	0.357	0.059	8.63E-146	3
Cd74	6.23E-148	-3.956	0.328	0.821	1.55E-143	3
Rpl10a	7.72E-147	-1.657	0.056	0.696	1.92E-142	3
Rps13	1.83E-146	-1.589	0.511	0.906	4.55E-142	3
Rpl24	2.33E-146	-1.588	0.253	0.847	5.80E-142	3
Atp5g2	2.64E-146	-1.763	0.06	0.693	6.56E-142	3
Tob2	1.27E-145	-1.826	0.106	0.758	3.17E-141	3
Prdx1	3.26E-143	-1.808	0.101	0.73	8.10E-139	3
Npc2	1.12E-142	-1.836	0.238	0.81	2.78E-138	3
Ssb	3.08E-142	-1.586	0.058	0.69	7.64E-138	3
Tnfrsf23	4.76E-142	1.887	0.368	0.067	1.18E-137	3
Atp5a1	1.13E-141	-1.551	0.097	0.734	2.82E-137	3
Rplp2	4.04E-141	-1.485	0.458	0.902	1.00E-136	3
B2m	1.07E-140	-1.186	0.901	0.985	2.66E-136	3
Eif3e	2.61E-140	-1.640	0.019	0.628	6.49E-136	3
Atp5h	9.33E-140	-1.448	0.058	0.688	2.32E-135	3
Rps28	1.69E-139	-1.346	0.615	0.92	4.19E-135	3

H2afy	1.67E-138	-1.674	0.048	0.662	4.15E-134	3
Pdia3	3.39E-138	-1.715	0.099	0.717	8.41E-134	3
Ybx1	5.52E-138	-1.541	0.258	0.835	1.37E-133	3
Tmsb4x	6.30E-137	-1.494	0.901	0.979	1.56E-132	3
Anxa5	9.23E-137	-1.730	0.065	0.675	2.29E-132	3
Eif3h	1.03E-135	-1.526	0.058	0.672	2.55E-131	3
Cox6b1	1.27E-135	-1.494	0.123	0.746	3.15E-131	3
Ppig	9.17E-135	-1.512	0.084	0.713	2.28E-130	3
Cerl2	2.09E-134	2.998	0.74	0.446	5.18E-130	3
Vcp	2.85E-134	-1.492	0.082	0.707	7.08E-130	3
Nfkbiz	1.77E-133	2.669	0.744	0.412	4.40E-129	3
Nsa2	2.52E-133	-1.505	0.06	0.671	6.27E-129	3
Rpl18	6.31E-133	-1.501	0.241	0.83	1.57E-128	3
Ptms	7.95E-133	-1.746	0.116	0.729	1.98E-128	3
Rpl9	2.15E-132	-1.448	0.484	0.885	5.34E-128	3
Gm26917	3.36E-132	-2.491	0.051	0.647	8.35E-128	3
Cox4i1	1.28E-131	-1.459	0.159	0.771	3.19E-127	3
Gpx1	2.67E-131	-1.736	0.149	0.744	6.62E-127	3
H2-Aa	2.67E-131	-4.042	0.157	0.694	6.64E-127	3
Dbi	2.73E-131	-1.685	0.031	0.617	6.77E-127	3
Sgms2	2.48E-130	2.092	0.602	0.233	6.17E-126	3
Prdx2	2.62E-130	-1.509	0.019	0.598	6.51E-126	3
Serbp1	4.24E-130	-1.477	0.191	0.805	1.05E-125	3
Itm2c	5.25E-130	-1.680	0.029	0.617	1.30E-125	3
Uqcrb	1.36E-129	-1.443	0.041	0.634	3.39E-125	3
H2-Ab1	5.89E-129	-4.205	0.195	0.714	1.46E-124	3
Rpl8	2.78E-128	-1.525	0.27	0.818	6.91E-124	3
Grina	4.81E-128	2.078	0.745	0.464	1.19E-123	3
Emp3	7.16E-128	-1.549	0.121	0.727	1.78E-123	3
Smox	9.10E-127	2.060	0.783	0.554	2.26E-122	3
Csf3r	9.88E-127	2.206	0.427	0.111	2.45E-122	3
Ubc	1.54E-126	1.329	0.979	0.953	3.82E-122	3
Eif3f	2.10E-126	-1.401	0.05	0.641	5.22E-122	3
Ftl1-ps1	2.51E-126	1.328	0.938	0.816	6.25E-122	3
Rps25	3.81E-126	-1.332	0.487	0.884	9.46E-122	3
Cnbp	1.65E-125	-1.456	0.229	0.841	4.11E-121	3
Gdi2	3.43E-125	-1.493	0.142	0.744	8.51E-121	3
Uqcrh	3.43E-125	-1.410	0.166	0.773	8.52E-121	3
Eef2	4.27E-125	-1.437	0.33	0.863	1.06E-120	3
Eef1g	6.62E-125	-1.485	0.048	0.63	1.64E-120	3
Hspa8	7.76E-125	-1.173	0.515	0.944	1.93E-120	3
Scpep1	8.19E-125	-1.619	0.034	0.608	2.03E-120	3
Arg2	9.87E-125	2.019	0.545	0.194	2.45E-120	3
H2-D1	1.61E-124	-1.131	0.781	0.985	4.00E-120	3
Ywhah	1.97E-124	-1.495	0.089	0.685	4.90E-120	3
Rps9	2.14E-124	-1.242	0.663	0.941	5.31E-120	3

Plek	2.55E-124	1.989	0.839	0.69	6.34E-120	3
Psmbl	2.77E-124	-1.308	0.067	0.661	6.89E-120	3
Snx5	1.42E-123	-1.630	0.067	0.653	3.53E-119	3
Trib1	1.43E-123	2.046	0.807	0.584	3.55E-119	3
Eef1b2	4.84E-123	-1.646	0.308	0.823	1.20E-118	3
Psmbl8	8.43E-123	-1.524	0.055	0.632	2.09E-118	3
Klf4	3.28E-122	-2.188	0.097	0.669	8.15E-118	3
Mbnl1	6.08E-122	-1.640	0.058	0.638	1.51E-117	3
H2-K1	6.99E-122	-1.338	0.672	0.976	1.74E-117	3
Cytip	9.85E-122	-1.954	0.144	0.71	2.45E-117	3
Ap2m1	1.08E-121	-1.496	0.096	0.684	2.67E-117	3
Akr1a1	2.23E-121	-1.576	0.108	0.691	5.55E-117	3
Ifitm1	2.47E-121	2.105	0.47	0.128	6.14E-117	3
Sumo2	2.64E-121	-1.366	0.094	0.688	6.56E-117	3
Eef1a1	3.76E-121	-1.305	0.879	0.961	9.34E-117	3
Sh3bgrl3	1.62E-120	-1.384	0.431	0.885	4.02E-116	3
Sh2d3c	1.75E-120	1.783	0.323	0.058	4.34E-116	3
Ppp1ca	2.85E-120	-1.351	0.079	0.666	7.08E-116	3
Tubb5	5.82E-120	-1.770	0.032	0.592	1.45E-115	3
Tma7	1.10E-119	-1.267	0.085	0.678	2.72E-115	3
Sdc4	1.60E-119	-2.127	0.019	0.568	3.98E-115	3
Snrpg	2.92E-118	-1.286	0.053	0.623	7.25E-114	3
Hsp90b1	8.70E-118	-1.310	0.292	0.838	2.16E-113	3
Sh3bgrl	5.24E-117	-1.549	0.022	0.569	1.30E-112	3
Ywhab	6.26E-117	-1.326	0.135	0.729	1.55E-112	3
Cfl1	7.96E-117	-0.941	0.86	0.976	1.98E-112	3
Eif3c	1.27E-116	-1.300	0.051	0.616	3.15E-112	3
Ptp4a2	2.69E-116	-1.361	0.265	0.846	6.69E-112	3
Eif5b	2.81E-116	-1.259	0.092	0.684	6.97E-112	3
Samsn1	4.18E-116	1.916	0.774	0.482	1.04E-111	3
Dek	6.43E-116	-1.380	0.077	0.653	1.60E-111	3
Aes	1.38E-115	-1.364	0.053	0.614	3.43E-111	3
Mreg	1.59E-115	1.707	0.385	0.085	3.95E-111	3
Fkbp1a	4.00E-115	-1.341	0.046	0.607	9.95E-111	3
Reep5	6.78E-115	-1.337	0.091	0.666	1.68E-110	3
Ubl3	2.29E-113	-1.244	0.094	0.674	5.68E-109	3
Gm10073	9.08E-113	-1.379	0.154	0.732	2.26E-108	3
Grn	1.21E-112	-2.123	0.154	0.683	3.02E-108	3
Lmna	1.35E-112	-1.666	0.103	0.665	3.35E-108	3
Dedd2	2.35E-112	2.319	0.615	0.304	5.84E-108	3
Ndufa4	2.56E-112	-1.283	0.022	0.559	6.35E-108	3
Calr	2.75E-112	-1.224	0.489	0.911	6.83E-108	3
Ptbp1	2.81E-112	-1.295	0.116	0.701	6.98E-108	3
Ybx3	1.10E-111	-1.545	0.015	0.54	2.73E-107	3
Slc25a5	1.83E-111	-1.330	0.169	0.743	4.54E-107	3
Snrpe	2.13E-111	-1.237	0.067	0.625	5.28E-107	3

Ran	3.54E-111	-1.372	0.186	0.763	8.80E-107	3
Ctsc	5.07E-111	-1.819	0.092	0.641	1.26E-106	3
Sfr1	5.23E-111	-1.106	0.082	0.652	1.30E-106	3
Arpc1b	1.00E-110	-1.188	0.41	0.878	2.49E-106	3
Ucp2	1.68E-110	-1.533	0.381	0.833	4.17E-106	3
Rps12-ps3	1.90E-110	-1.226	0.096	0.668	4.73E-106	3
Anp32b	3.14E-110	-1.299	0.12	0.691	7.81E-106	3
Cox7b	5.99E-110	-1.208	0.062	0.618	1.49E-105	3
Vim	9.82E-110	-1.530	0.54	0.899	2.44E-105	3
Sod1	1.90E-109	-1.285	0.179	0.759	4.71E-105	3
Dad1	2.11E-109	-1.133	0.072	0.635	5.24E-105	3
Tbca	2.69E-109	-1.198	0.027	0.559	6.69E-105	3
Plaur	4.00E-109	1.801	0.863	0.655	9.93E-105	3
Atp5e	5.69E-109	-1.159	0.13	0.705	1.41E-104	3
Set	1.29E-108	-1.290	0.104	0.67	3.21E-104	3
Atp5o	2.44E-108	-1.173	0.046	0.587	6.05E-104	3
Tnf	5.29E-108	2.538	0.626	0.294	1.31E-103	3
Cox6a1	5.43E-108	-1.192	0.152	0.73	1.35E-103	3
Psme1	6.53E-108	-1.286	0.085	0.64	1.62E-103	3
Tmem123	7.02E-108	-1.899	0.058	0.594	1.74E-103	3
Fam129b	1.57E-107	-1.666	0.055	0.587	3.89E-103	3
Rpl36	1.69E-107	-1.154	0.085	0.649	4.19E-103	3
H2-Eb1	4.77E-107	-3.654	0.152	0.632	1.19E-102	3
Nono	4.87E-107	-1.210	0.029	0.553	1.21E-102	3
Gpr132	5.14E-107	-1.622	0.082	0.623	1.28E-102	3
S100a4	2.62E-106	-1.807	0.019	0.532	6.50E-102	3
Gltp	4.71E-106	-1.319	0.053	0.587	1.17E-101	3
Gm9844	4.74E-106	-1.378	0.041	0.564	1.18E-101	3
Hnrnpl	1.72E-105	-1.104	0.13	0.712	4.28E-101	3
Atp5d	2.35E-105	-1.134	0.043	0.569	5.83E-101	3
Nfkbia	3.79E-105	2.155	0.885	0.816	9.42E-101	3
Cd44	4.30E-105	1.498	0.884	0.8	1.07E-100	3
Nr4a2	4.69E-105	-1.572	0.036	0.558	1.16E-100	3
Ier3	5.91E-105	1.716	0.855	0.578	1.47E-100	3
Edf1	9.73E-105	-1.155	0.068	0.615	2.42E-100	3
Psma2	1.14E-104	-1.126	0.055	0.591	2.82E-100	3
Ms4a6c	3.11E-104	-2.156	0.019	0.519	7.72E-100	3
Arpc2	5.87E-104	-1.035	0.605	0.927	1.46E-99	3
Eef1d	6.36E-104	-1.177	0.063	0.601	1.58E-99	3
Il1r2	9.55E-104	2.170	0.617	0.283	2.37E-99	3
Nap111	1.54E-103	-1.329	0.128	0.679	3.82E-99	3
Selenof	2.46E-103	-1.233	0.065	0.599	6.11E-99	3
Atp5k	3.27E-103	-1.159	0.048	0.574	8.12E-99	3
Pfn1	3.70E-103	-1.101	0.503	0.897	9.20E-99	3
Zfp91	4.96E-103	-1.082	0.104	0.663	1.23E-98	3
Shisa5	7.25E-103	-1.265	0.063	0.595	1.80E-98	3



Rab10	3.26E-102	-1.156	0.103	0.654	8.09E-98	3
Syngn2	3.85E-102	-1.692	0.031	0.536	9.57E-98	3
Arl4c	1.70E-101	-1.604	0.197	0.731	4.22E-97	3
Psm4	2.17E-101	-1.174	0.038	0.549	5.38E-97	3
Tcp1	2.28E-101	-1.088	0.039	0.557	5.66E-97	3
Wdr89	2.58E-101	-1.103	0.137	0.704	6.41E-97	3
Hmgb1	3.12E-101	-1.287	0.137	0.687	7.75E-97	3
Naca	5.14E-101	-1.102	0.128	0.697	1.28E-96	3
Retnlg	1.19E-100	1.717	0.284	0.049	2.96E-96	3
Crem	1.28E-100	-1.824	0.14	0.67	3.19E-96	3
Tuba1b	1.75E-100	-1.378	0.113	0.651	4.35E-96	3
Ly86	1.96E-100	-1.817	0.024	0.516	4.86E-96	3
Zbtb7a	2.14E-100	-1.154	0.103	0.65	5.32E-96	3
Ifrd1	2.39E-100	1.545	0.896	0.86	5.94E-96	3
Tpm4	2.74E-100	-1.233	0.068	0.598	6.82E-96	3
Cstb	2.78E-100	1.918	0.865	0.789	6.91E-96	3
Glud1	3.20E-100	-1.146	0.079	0.615	7.94E-96	3
Clic4	3.67E-100	-1.363	0.13	0.67	9.11E-96	3
Krtcap2	3.85E-100	-1.169	0.026	0.527	9.56E-96	3
Cct4	5.38E-100	-1.084	0.029	0.534	1.34E-95	3
Ubl5	7.33E-100	-1.016	0.084	0.625	1.82E-95	3
Lapm5	2.54E-99	-1.132	0.467	0.901	6.32E-95	3
Capzb	3.50E-99	-1.111	0.308	0.829	8.68E-95	3
Trem3	3.80E-99	1.616	0.284	0.054	9.45E-95	3
Tpr	1.03E-98	-1.206	0.08	0.611	2.56E-94	3
Ywhaq	1.97E-98	-1.142	0.038	0.538	4.90E-94	3
Mt2	2.07E-98	-2.185	0.077	0.57	5.14E-94	3
Lgmn	3.70E-98	-2.224	0.062	0.551	9.20E-94	3
Cct2	4.09E-98	-1.136	0.065	0.59	1.02E-93	3
Rpl9-ps6	4.32E-98	-1.163	0.203	0.757	1.07E-93	3
Lapm4a	5.50E-98	-1.111	0.156	0.713	1.37E-93	3
Atp2a2	1.65E-97	-0.992	0.094	0.631	4.11E-93	3
Btf3	2.46E-97	-1.109	0.171	0.731	6.11E-93	3
Rps27l	2.63E-97	-1.212	0.024	0.515	6.53E-93	3
Psm3	3.37E-97	-1.047	0.089	0.621	8.36E-93	3
Rrbp1	4.33E-97	-1.213	0.195	0.744	1.07E-92	3
Hdgf	5.11E-97	-1.151	0.08	0.605	1.27E-92	3
Emp1	6.50E-97	-2.073	0.038	0.523	1.62E-92	3
Fyn	7.00E-97	-1.373	0.021	0.503	1.74E-92	3
Atp5g1	1.42E-96	-1.124	0.051	0.562	3.54E-92	3
Gpx4	1.92E-96	-1.131	0.062	0.574	4.77E-92	3
Gm42418	2.27E-96	-1.308	0.545	0.946	5.63E-92	3
Snrbp2	2.44E-96	-1.030	0.021	0.506	6.05E-92	3
Calm1	2.86E-96	-1.145	0.694	0.942	7.09E-92	3
Ndufa1	3.78E-96	-1.048	0.097	0.632	9.38E-92	3
mt-Co1	3.98E-96	-0.938	0.957	0.998	9.89E-92	3

Psmb2	4.58E-96	-1.018	0.053	0.563	1.14E-91	3
Metap2	5.45E-96	-1.114	0.027	0.514	1.35E-91	3
Slc25a3	9.80E-96	-1.082	0.323	0.859	2.43E-91	3
Nedd8	1.07E-95	-1.044	0.067	0.581	2.65E-91	3
Atpif1	1.19E-95	-1.220	0.036	0.529	2.95E-91	3
S100a13	1.31E-95	-1.070	0.038	0.532	3.26E-91	3
Khsrp	1.34E-95	-1.026	0.06	0.573	3.32E-91	3
Capn2	1.49E-95	-1.281	0.022	0.504	3.70E-91	3
Mndal	2.36E-95	-1.489	0.01	0.485	5.87E-91	3
Runx3	2.74E-95	-1.476	0.05	0.543	6.80E-91	3
Esytl	3.79E-95	-1.151	0.017	0.495	9.41E-91	3
Lpxn	5.88E-95	-1.239	0.003	0.47	1.46E-90	3
Gm10076	6.15E-95	-1.019	0.075	0.595	1.53E-90	3
Polr1d	7.17E-95	-0.972	0.109	0.646	1.78E-90	3
Kif5b	7.64E-95	-1.113	0.132	0.679	1.90E-90	3
Psmb4	7.76E-95	-1.024	0.077	0.594	1.93E-90	3
Csnk1d	1.28E-94	-0.961	0.087	0.617	3.18E-90	3
Fam120a	1.77E-94	-1.073	0.039	0.533	4.39E-90	3
Hint1	3.89E-94	-1.129	0.038	0.526	9.67E-90	3
Dnajc3	4.24E-94	-1.221	0.031	0.512	1.05E-89	3
Mtpn	4.90E-94	-1.105	0.113	0.641	1.22E-89	3
Myl6	2.02E-93	-1.051	0.448	0.884	5.02E-89	3
Arhgdia	2.30E-93	-1.089	0.229	0.772	5.71E-89	3
Ifi2712a	3.06E-93	-1.625	0.08	0.575	7.59E-89	3
Gla	3.65E-93	1.695	0.79	0.62	9.07E-89	3
Ccr5	3.83E-93	-1.425	0.046	0.534	9.52E-89	3
Ppp1r15a	4.13E-93	1.747	0.769	0.597	1.03E-88	3
G3bp1	5.48E-93	-1.105	0.188	0.731	1.36E-88	3
Ppp2ca	9.57E-93	-1.014	0.227	0.796	2.38E-88	3
Psmg7	1.10E-92	-0.973	0.055	0.555	2.72E-88	3
Rbx1	1.26E-92	-0.981	0.067	0.577	3.14E-88	3
Atp5l	1.46E-92	-1.034	0.207	0.764	3.63E-88	3
Copa	2.27E-92	-0.965	0.082	0.598	5.63E-88	3
Cebpb	3.32E-92	1.210	0.913	0.768	8.26E-88	3
Hspd1	4.18E-92	-1.395	0.036	0.514	1.04E-87	3
Eif2s2	9.07E-92	-1.086	0.159	0.698	2.25E-87	3
Atp5b	1.45E-91	-0.965	0.091	0.609	3.60E-87	3
Atp5f1	1.66E-91	-0.981	0.056	0.556	4.12E-87	3
Ddx39b	1.78E-91	-1.121	0.075	0.585	4.41E-87	3
Cct5	1.96E-91	-1.043	0.046	0.532	4.88E-87	3
Pomp	2.67E-91	-0.900	0.108	0.638	6.62E-87	3
Gm2000	3.44E-91	-0.956	0.019	0.489	8.55E-87	3
Ppp2r5c	4.49E-91	-1.033	0.063	0.559	1.12E-86	3
Hnrnpk	1.87E-90	-1.001	0.262	0.822	4.65E-86	3
Cox5a	2.21E-90	-0.981	0.055	0.547	5.49E-86	3
Clic1	2.42E-90	-0.998	0.14	0.678	6.00E-86	3

Eif3i	3.44E-90	-0.992	0.019	0.484	8.55E-86	3
Bag3	4.79E-90	-1.236	0.014	0.472	1.19E-85	3
Ywhae	6.84E-90	-1.020	0.344	0.844	1.70E-85	3
Cmpk1	9.18E-90	-0.975	0.034	0.508	2.28E-85	3
Ociad1	9.46E-90	-0.985	0.038	0.515	2.35E-85	3
Eif4e	1.07E-89	-1.186	0.193	0.724	2.67E-85	3
Cndp2	1.49E-89	-1.401	0.048	0.522	3.69E-85	3
Cwc15	1.53E-89	-0.873	0.06	0.554	3.81E-85	3
Oaz1	2.60E-89	-1.031	0.41	0.875	6.47E-85	3
Ehd4	4.26E-89	-1.191	0.026	0.49	1.06E-84	3
Erp29	9.80E-89	-1.050	0.032	0.502	2.44E-84	3
Snrnp70	1.95E-88	-0.985	0.074	0.569	4.83E-84	3
Fcgr2b	5.53E-88	-1.967	0.103	0.558	1.37E-83	3
Hspa4	6.71E-88	-0.981	0.084	0.58	1.67E-83	3
Eif3k	8.17E-88	-0.908	0.063	0.552	2.03E-83	3
Flna	8.55E-88	-1.143	0.113	0.626	2.12E-83	3
Tmem14c	1.41E-87	-0.955	0.041	0.513	3.49E-83	3
Snrpb	1.88E-87	-0.938	0.118	0.64	4.66E-83	3
Ms4a6d	1.89E-87	-1.788	0.014	0.459	4.70E-83	3
Hilpda	2.44E-87	2.377	0.74	0.601	6.07E-83	3
Ctsh	2.45E-87	-1.314	0.058	0.527	6.08E-83	3
Rpl22l1	2.60E-87	-0.979	0.094	0.597	6.45E-83	3
Sec61b	3.14E-87	-1.008	0.132	0.651	7.81E-83	3
Mdh1	4.44E-87	-1.071	0.014	0.461	1.10E-82	3
Cyba	5.23E-87	-1.084	0.221	0.739	1.30E-82	3
Atp5j	6.97E-87	-0.929	0.074	0.566	1.73E-82	3
Rnf4	9.17E-87	-0.863	0.05	0.527	2.28E-82	3
Hnrnpa1	9.76E-87	-0.987	0.181	0.716	2.42E-82	3
Snx2	1.01E-86	-1.147	0.019	0.47	2.52E-82	3
Aamp	1.12E-86	-0.977	0.08	0.573	2.77E-82	3
Pnn	1.60E-86	-1.129	0.027	0.484	3.97E-82	3
Tmed9	2.14E-86	-0.926	0.128	0.649	5.31E-82	3
Tmem50a	2.15E-86	-1.048	0.099	0.601	5.34E-82	3
Cops9	2.29E-86	-0.949	0.038	0.499	5.69E-82	3
Sec61g	2.31E-86	-1.006	0.226	0.751	5.75E-82	3
Cox7a2l	3.86E-86	-1.036	0.062	0.542	9.59E-82	3
Cd83	5.01E-86	-1.568	0.021	0.467	1.25E-81	3
Ndufv3	5.27E-86	-0.971	0.044	0.512	1.31E-81	3
Dync1i2	7.43E-86	-1.035	0.084	0.576	1.85E-81	3
Cct8	7.62E-86	-0.950	0.079	0.572	1.89E-81	3
Tspo	8.45E-86	-1.111	0.115	0.615	2.10E-81	3
Dynlrb1	1.11E-85	-0.890	0.051	0.526	2.75E-81	3
Capns1	1.15E-85	-0.865	0.065	0.554	2.85E-81	3
Bzw1	1.18E-85	-0.936	0.161	0.691	2.94E-81	3
Fnbp1	1.73E-85	-1.130	0.072	0.553	4.30E-81	3
Dab2	1.84E-85	-1.887	0.026	0.466	4.56E-81	3

Snrpf	2.70E-85	-0.945	0.038	0.5	6.70E-81	3
Eif1	3.35E-85	0.871	0.935	0.946	8.32E-81	3
Banf1	4.48E-85	-0.991	0.015	0.459	1.11E-80	3
Atp5j2	6.74E-85	-0.902	0.027	0.481	1.68E-80	3
Mafb	1.23E-84	-2.264	0.038	0.477	3.05E-80	3
Ssr4	2.95E-84	-0.927	0.032	0.486	7.32E-80	3
Pld3	4.12E-84	-1.389	0.015	0.455	1.02E-79	3
Vdac1	1.01E-83	-0.999	0.06	0.528	2.51E-79	3
Rbbp4	1.07E-83	-0.949	0.067	0.544	2.67E-79	3
Tor1aip1	1.24E-83	-0.916	0.101	0.599	3.09E-79	3
Irf8	1.25E-83	-1.559	0.021	0.457	3.10E-79	3
Elov15	2.65E-83	-1.149	0.026	0.468	6.59E-79	3
Eif3b	3.38E-83	-0.932	0.044	0.503	8.39E-79	3
Rab5c	4.37E-83	-0.895	0.138	0.651	1.09E-78	3
Wdr1	6.21E-83	-0.975	0.091	0.576	1.54E-78	3
Pa2g4	8.80E-83	-1.038	0.036	0.486	2.19E-78	3
Macf1	8.86E-83	-1.076	0.032	0.481	2.20E-78	3
Hnrnpab	1.92E-82	-1.017	0.258	0.787	4.77E-78	3
Apoe	2.45E-82	-3.472	0.115	0.549	6.08E-78	3
Etv3	2.62E-82	-1.519	0.072	0.528	6.51E-78	3
H2afz	4.37E-82	-1.128	0.426	0.874	1.08E-77	3
Aif1	4.47E-82	-1.532	0.017	0.447	1.11E-77	3
Tram1	5.70E-82	-0.919	0.051	0.511	1.42E-77	3
Chchd2	8.73E-82	-0.862	0.402	0.888	2.17E-77	3
Pdap1	9.70E-82	-0.893	0.056	0.521	2.41E-77	3
Sec62	1.16E-81	-0.844	0.135	0.648	2.89E-77	3
Srp9	1.89E-81	-0.764	0.084	0.566	4.70E-77	3
H2-Q7	1.93E-81	-1.593	0.032	0.467	4.80E-77	3
Psmb6	2.02E-81	-0.955	0.065	0.532	5.03E-77	3
C3ar1	2.58E-81	-1.649	0.021	0.45	6.41E-77	3
Snw1	3.11E-81	-0.961	0.051	0.507	7.71E-77	3
Rgs1	3.60E-81	-1.250	0.149	0.635	8.94E-77	3
Anxa4	3.69E-81	-1.204	0.024	0.457	9.16E-77	3
Pdia6	5.29E-81	-1.012	0.067	0.529	1.31E-76	3
Ndufc2	6.00E-81	-0.897	0.012	0.438	1.49E-76	3
Ppib	6.04E-81	-0.846	0.026	0.463	1.50E-76	3
Csnk2b	6.80E-81	-0.841	0.108	0.603	1.69E-76	3
Dhx9	9.55E-81	-0.964	0.051	0.504	2.37E-76	3
Il2rg	9.66E-81	-1.118	0.085	0.558	2.40E-76	3
Sub1	1.12E-80	-0.945	0.229	0.753	2.78E-76	3
Rgs10	2.09E-80	-1.032	0.026	0.458	5.20E-76	3
Pld4	4.68E-80	-1.251	0.007	0.423	1.16E-75	3
Atp1a1	8.17E-80	-0.828	0.132	0.635	2.03E-75	3
Ndufb11	9.57E-80	-0.885	0.022	0.451	2.38E-75	3
Hadha	1.30E-79	-0.907	0.024	0.454	3.24E-75	3
Sdc3	2.04E-79	-1.250	0.012	0.43	5.06E-75	3

U2af2	3.30E-79	-0.835	0.186	0.719	8.19E-75	3
Snrpd1	3.40E-79	-0.909	0.024	0.453	8.45E-75	3
Fam49b	3.99E-79	-0.832	0.14	0.652	9.90E-75	3
Cmtm3	4.28E-79	-1.042	0.012	0.43	1.06E-74	3
Mlf2	5.04E-79	-0.866	0.068	0.532	1.25E-74	3
Fam117b	6.25E-79	-0.990	0.034	0.469	1.55E-74	3
Rap1a	6.89E-79	-0.885	0.144	0.651	1.71E-74	3
Cox5b	8.57E-79	-0.848	0.096	0.577	2.13E-74	3
Atp5c1	9.01E-79	-0.806	0.041	0.486	2.24E-74	3
Srp19	1.46E-78	-0.842	0.032	0.466	3.63E-74	3
Smarca5	1.50E-78	-0.922	0.147	0.647	3.73E-74	3
Gsr	1.56E-78	1.734	0.525	0.252	3.88E-74	3
Dhx15	1.95E-78	-0.807	0.128	0.628	4.84E-74	3
Litaf	1.99E-78	1.217	0.868	0.817	4.94E-74	3
H2-DMA	2.24E-78	-1.373	0.012	0.424	5.58E-74	3
Wdr83os	4.06E-78	-0.903	0.019	0.44	1.01E-73	3
Lgals3bp	6.82E-78	-1.271	0.015	0.428	1.69E-73	3
Grb2	7.14E-78	-0.957	0.27	0.782	1.77E-73	3
Cox7a2	8.77E-78	-0.820	0.103	0.589	2.18E-73	3
Elob	1.21E-77	-0.824	0.161	0.672	3.01E-73	3
Scp2	1.36E-77	-0.841	0.031	0.461	3.37E-73	3
Ppp1cc	1.51E-77	-1.111	0.063	0.509	3.74E-73	3
Tcea1	1.77E-77	-0.842	0.029	0.457	4.40E-73	3
Vdac2	2.32E-77	-0.832	0.116	0.607	5.77E-73	3
Rpl27-ps3	2.62E-77	-0.797	0.038	0.473	6.51E-73	3
Rraga	2.64E-77	-0.885	0.058	0.508	6.56E-73	3
Tent5c	3.17E-77	-1.155	0.067	0.512	7.87E-73	3
Rad23b	4.09E-77	-0.818	0.075	0.535	1.02E-72	3
Cyb5a	4.16E-77	-1.029	0.019	0.435	1.03E-72	3
Tgoln1	4.71E-77	1.835	0.706	0.636	1.17E-72	3
Srp72	5.82E-77	-0.880	0.038	0.469	1.45E-72	3
Ndufa3	6.60E-77	-0.781	0.062	0.515	1.64E-72	3
Prkar1a	7.00E-77	-0.951	0.215	0.733	1.74E-72	3
Kpnb1	7.24E-77	-0.907	0.038	0.468	1.80E-72	3
Sema4d	8.30E-77	1.929	0.629	0.414	2.06E-72	3
Coro1a	8.34E-77	-0.966	0.318	0.81	2.07E-72	3
Jarid2	9.41E-77	-1.070	0.041	0.471	2.34E-72	3
Dnajb6	9.83E-77	-0.939	0.145	0.641	2.44E-72	3
Ppp3r1	1.07E-76	-0.842	0.031	0.457	2.66E-72	3
Abcf1	1.08E-76	-0.896	0.055	0.5	2.69E-72	3
Eprs	1.63E-76	-1.149	0.032	0.455	4.05E-72	3
Cxcl16	1.77E-76	-1.440	0.021	0.433	4.41E-72	3
Snx1	1.81E-76	-0.844	0.036	0.464	4.49E-72	3
Ssr1	1.81E-76	-0.793	0.074	0.533	4.50E-72	3
Ndufa2	2.44E-76	-0.822	0.185	0.702	6.07E-72	3
Acin1	2.91E-76	-0.873	0.092	0.557	7.23E-72	3

Ndufab1	3.51E-76	-0.862	0.017	0.43	8.72E-72	3
Tmed2	4.00E-76	-0.877	0.2	0.713	9.93E-72	3
Anxa2	4.08E-76	-1.266	0.323	0.756	1.01E-71	3
2-Sep	5.40E-76	-0.845	0.056	0.497	1.34E-71	3
Nus1	5.77E-76	-0.919	0.041	0.47	1.43E-71	3
Cd48	6.72E-76	-0.849	0.009	0.413	1.67E-71	3
Tmem59	7.72E-76	-0.831	0.055	0.497	1.92E-71	3
Tpt1	8.34E-76	-0.697	0.947	0.978	2.07E-71	3
Hsd17b12	1.05E-75	-0.869	0.034	0.458	2.61E-71	3
Psmid8	1.12E-75	-0.766	0.089	0.549	2.79E-71	3
Arcn1	1.32E-75	-0.797	0.055	0.493	3.27E-71	3
Aplp2	1.33E-75	-0.984	0.075	0.526	3.31E-71	3
Atrx	1.38E-75	-0.951	0.079	0.531	3.42E-71	3
Ube2i	1.56E-75	-0.756	0.123	0.614	3.88E-71	3
Adss	1.65E-75	-0.929	0.048	0.48	4.09E-71	3
Psmid11	1.69E-75	-0.794	0.067	0.517	4.19E-71	3
Gm47283	3.44E-75	-1.287	0.08	0.527	8.54E-71	3
Atp5mpl	4.03E-75	-0.760	0.062	0.511	1.00E-70	3
Ifngr1	4.28E-75	-1.341	0.05	0.474	1.06E-70	3
Tomm7	4.32E-75	-0.882	0.166	0.665	1.07E-70	3
Erh	4.73E-75	-0.794	0.022	0.434	1.17E-70	3
Pvr	8.20E-75	-1.077	0.022	0.432	2.04E-70	3
Swi5	8.35E-75	-0.786	0.041	0.467	2.07E-70	3
Ddost	8.79E-75	-0.855	0.029	0.446	2.18E-70	3
Prrc2c	9.73E-75	-0.842	0.207	0.722	2.42E-70	3
Msrbl	1.04E-74	1.972	0.624	0.438	2.59E-70	3
Nars	1.38E-74	-0.799	0.084	0.541	3.42E-70	3
Dusp3	1.63E-74	-0.938	0.015	0.42	4.04E-70	3
Jun	1.96E-74	2.084	0.766	0.608	4.88E-70	3
Cnn2	2.15E-74	-1.202	0.041	0.46	5.34E-70	3
Celf2	2.21E-74	-1.024	0.132	0.605	5.50E-70	3
Spcs2	2.47E-74	-0.802	0.079	0.531	6.14E-70	3
Sarnp	3.29E-74	-0.803	0.039	0.462	8.17E-70	3
Atox1	4.65E-74	-0.903	0.113	0.581	1.16E-69	3
Aebp2	6.12E-74	-1.140	0.041	0.46	1.52E-69	3
Gm2a	6.73E-74	-1.336	0.244	0.691	1.67E-69	3
Luc7l3	7.29E-74	-0.854	0.126	0.607	1.81E-69	3
Rars	1.06E-73	-0.944	0.053	0.481	2.64E-69	3
Tcf25	1.20E-73	-0.757	0.115	0.595	2.98E-69	3
Txndc17	1.62E-73	-0.824	0.024	0.432	4.03E-69	3
H2-Q6	1.80E-73	-1.714	0.05	0.461	4.48E-69	3
Ctsa	1.81E-73	-1.123	0.147	0.604	4.49E-69	3
Larp1	1.98E-73	-0.843	0.044	0.468	4.92E-69	3
Anxa6	2.21E-73	-1.126	0.017	0.418	5.49E-69	3
Galnt1	2.59E-73	-0.940	0.01	0.406	6.42E-69	3
Xrn2	2.87E-73	-0.907	0.062	0.497	7.14E-69	3

G3bp2	3.20E-73	-0.848	0.043	0.465	7.96E-69	3
Mta2	3.47E-73	-0.816	0.05	0.477	8.61E-69	3
Eif3l	3.50E-73	-0.793	0.026	0.435	8.70E-69	3
Sf3b4	6.86E-73	-0.730	0.085	0.539	1.70E-68	3
Api5	7.02E-73	-0.794	0.048	0.473	1.74E-68	3
Tkt	7.25E-73	-0.829	0.072	0.516	1.80E-68	3
Arl6ip5	7.96E-73	-0.801	0.053	0.482	1.98E-68	3
Cdc5l	8.38E-73	-0.715	0.096	0.553	2.08E-68	3
Vat1	8.38E-73	-1.208	0.024	0.426	2.08E-68	3
Nop56	8.97E-73	-0.797	0.133	0.613	2.23E-68	3
Slc25a4	1.11E-72	-0.902	0.009	0.401	2.77E-68	3
Illrap	1.31E-72	1.366	0.25	0.057	3.26E-68	3
Nmt1	1.61E-72	-0.702	0.039	0.457	4.00E-68	3
Bnip2	1.69E-72	-0.858	0.051	0.476	4.20E-68	3
Eif4h	1.70E-72	-0.726	0.104	0.569	4.21E-68	3
Preli1	2.16E-72	-0.777	0.118	0.593	5.36E-68	3
Arl5a	2.54E-72	-1.114	0.024	0.424	6.32E-68	3
Man1a	2.54E-72	-0.994	0.032	0.44	6.32E-68	3
Ssr2	2.83E-72	-0.784	0.036	0.451	7.03E-68	3
Psmb7	2.91E-72	-0.730	0.085	0.538	7.22E-68	3
Timm13	2.91E-72	-0.797	0.015	0.41	7.24E-68	3
Lsm12	3.19E-72	-0.772	0.063	0.5	7.93E-68	3
Eif4b	3.68E-72	-0.764	0.101	0.562	9.14E-68	3
2900097C17Rik	4.35E-72	-0.831	0.034	0.444	1.08E-67	3
Psm14	4.70E-72	-0.794	0.021	0.421	1.17E-67	3
Ndufa12	6.17E-72	-0.831	0.014	0.407	1.53E-67	3
Ranbp1	6.88E-72	-0.903	0.01	0.399	1.71E-67	3
Arl6ip1	7.63E-72	-1.030	0.205	0.681	1.90E-67	3
Serf2	8.27E-72	-0.794	0.203	0.712	2.05E-67	3
Ndufb3	8.94E-72	-0.708	0.036	0.449	2.22E-67	3
Cdc37	9.01E-72	-0.740	0.058	0.485	2.24E-67	3
Uqcrc2	9.52E-72	-0.788	0.019	0.415	2.37E-67	3
Baz1a	1.07E-71	-0.851	0.132	0.601	2.66E-67	3
Ndufa13	1.40E-71	-0.733	0.048	0.471	3.49E-67	3
Jpt1	1.47E-71	-0.786	0.094	0.55	3.65E-67	3
Ier5	2.11E-71	1.307	0.838	0.742	5.23E-67	3
Tnfaip8	2.40E-71	-1.017	0.034	0.44	5.96E-67	3
Zc3h15	2.73E-71	-0.806	0.106	0.563	6.78E-67	3
Mxi1	3.22E-71	-1.014	0.068	0.495	8.01E-67	3
Rab1b	4.22E-71	-0.778	0.036	0.446	1.05E-66	3
Sh3kbp1	4.37E-71	-0.991	0.056	0.476	1.09E-66	3
Abrac1	5.44E-71	-0.736	0.118	0.59	1.35E-66	3
Actb	5.65E-71	-0.709	0.969	0.993	1.40E-66	3
Naa15	7.03E-71	-0.771	0.07	0.505	1.75E-66	3
Mapk1	7.68E-71	-0.770	0.079	0.521	1.91E-66	3
Uqcr11	8.37E-71	-0.756	0.024	0.422	2.08E-66	3

Maf	9.10E-71	-1.719	0.05	0.451	2.26E-66	3
Spcs1	9.37E-71	-0.747	0.051	0.471	2.33E-66	3
Ndufa6	1.09E-70	-0.803	0.024	0.421	2.72E-66	3
Nras	1.24E-70	-0.842	0.072	0.506	3.07E-66	3
Tor1aip2	1.50E-70	-0.844	0.087	0.526	3.72E-66	3
Maz	1.56E-70	-0.889	0.034	0.436	3.88E-66	3
Rab14	2.08E-70	-0.756	0.123	0.594	5.17E-66	3
Papola	2.30E-70	-0.672	0.091	0.542	5.71E-66	3
Hsph1	2.40E-70	-1.224	0.067	0.485	5.96E-66	3
Tln1	2.42E-70	-0.816	0.214	0.719	6.00E-66	3
Eif6	2.80E-70	-0.756	0.051	0.471	6.95E-66	3
Myo1g	3.61E-70	-1.102	0.026	0.421	8.96E-66	3
Calm3	3.67E-70	-0.710	0.075	0.511	9.12E-66	3
Wnk1	4.29E-70	-0.862	0.255	0.76	1.07E-65	3
AW112010	4.48E-70	-1.877	0.01	0.389	1.11E-65	3
Psma6	5.28E-70	-0.717	0.053	0.474	1.31E-65	3
Ube2l3	5.32E-70	-0.818	0.214	0.715	1.32E-65	3
Btg2	5.79E-70	1.777	0.667	0.484	1.44E-65	3
Cbx3	5.94E-70	-1.006	0.039	0.443	1.48E-65	3
Arpc4	6.65E-70	-0.751	0.101	0.551	1.65E-65	3
C1qb	7.95E-70	-2.959	0.051	0.429	1.97E-65	3
Adam9	8.40E-70	-0.878	0.019	0.408	2.09E-65	3
Selenop	1.04E-69	-2.707	0.051	0.448	2.59E-65	3
Prpf38b	1.18E-69	-0.655	0.152	0.64	2.94E-65	3
Manf	1.31E-69	-0.816	0.12	0.58	3.25E-65	3
Tgfbi	1.45E-69	-1.816	0.142	0.551	3.60E-65	3
Plk3	1.67E-69	2.004	0.458	0.21	4.16E-65	3
Pip4k2a	1.83E-69	-0.869	0.031	0.427	4.54E-65	3
Cldnd1	2.68E-69	-0.859	0.046	0.452	6.66E-65	3
Cdc42se1	2.79E-69	-0.829	0.048	0.459	6.94E-65	3
Hnrnpul2	3.05E-69	-0.701	0.075	0.508	7.59E-65	3
Rdx	3.44E-69	-0.818	0.032	0.433	8.55E-65	3
Snd1	4.91E-69	-0.767	0.043	0.449	1.22E-64	3
Ddx21	6.03E-69	-0.724	0.103	0.548	1.50E-64	3
Akr1b3	6.90E-69	-0.843	0.01	0.389	1.71E-64	3
Psmc6	8.37E-69	-0.700	0.056	0.474	2.08E-64	3
Epb41l2	8.61E-69	-0.862	0.062	0.479	2.14E-64	3
Eid1	1.11E-68	-0.795	0.063	0.487	2.76E-64	3
Arid5b	1.22E-68	2.090	0.508	0.269	3.04E-64	3
Fis1	1.28E-68	-0.696	0.044	0.453	3.17E-64	3
Rab7b	1.28E-68	-1.278	0.058	0.461	3.18E-64	3
Rbbp6	1.41E-68	-0.912	0.277	0.771	3.50E-64	3
Arf3	1.46E-68	-0.745	0.06	0.478	3.64E-64	3
Emc7	1.48E-68	-0.757	0.034	0.431	3.67E-64	3
Ppm1g	1.51E-68	-0.809	0.034	0.431	3.76E-64	3
Eif4g1	1.85E-68	-0.717	0.091	0.534	4.61E-64	3



Wasf2	2.18E-68	-0.675	0.07	0.498	5.40E-64	3
Snrpd3	2.19E-68	-0.708	0.068	0.493	5.45E-64	3
Rpn2	2.31E-68	-0.792	0.015	0.396	5.74E-64	3
Dnajc7	2.32E-68	-0.752	0.034	0.432	5.76E-64	3
Slc30a1	2.44E-68	-1.011	0.024	0.411	6.07E-64	3
Trir	2.80E-68	-0.724	0.099	0.545	6.95E-64	3
Selenot	3.36E-68	-0.742	0.08	0.514	8.35E-64	3
Ggnbp2	3.47E-68	-0.670	0.137	0.606	8.62E-64	3
Usmg5	3.78E-68	-0.714	0.162	0.644	9.39E-64	3
Sdf4	3.86E-68	-0.961	0.056	0.465	9.60E-64	3
Ptpn18	3.88E-68	-0.855	0.024	0.409	9.64E-64	3
Map3k1	9.68E-68	-0.963	0.019	0.399	2.41E-63	3
Anp32e	1.08E-67	-0.879	0.062	0.472	2.67E-63	3
Pebp1	1.32E-67	-0.723	0.024	0.41	3.28E-63	3
Ap2s1	1.49E-67	-0.785	0.021	0.403	3.69E-63	3
Gadd45b	1.62E-67	1.751	0.701	0.56	4.02E-63	3
Il7r	1.74E-67	-1.595	0.017	0.392	4.31E-63	3
Gfpt1	2.48E-67	-0.946	0.044	0.439	6.15E-63	3
Tsn	3.15E-67	-0.847	0.027	0.413	7.83E-63	3
Adipor2	3.42E-67	-0.901	0.07	0.484	8.51E-63	3
Mgat2	3.50E-67	-0.741	0.027	0.414	8.68E-63	3
Nucb1	3.53E-67	-0.751	0.092	0.527	8.76E-63	3
Ndufb10	3.77E-67	-0.713	0.012	0.384	9.36E-63	3
Samhd1	5.20E-67	-0.954	0.209	0.681	1.29E-62	3
Sec11a	5.63E-67	-0.742	0.019	0.396	1.40E-62	3
Coro1c	5.64E-67	-0.712	0.072	0.495	1.40E-62	3
Psmc1	6.62E-67	-0.800	0.012	0.384	1.64E-62	3
Minos1	7.01E-67	-0.668	0.038	0.433	1.74E-62	3
Limd1	7.81E-67	-0.821	0.024	0.405	1.94E-62	3
Hgsnat	8.60E-67	1.913	0.422	0.183	2.14E-62	3
Psmc5	8.92E-67	-0.700	0.027	0.413	2.22E-62	3
Hnrnpm	9.38E-67	-0.742	0.169	0.653	2.33E-62	3
Hdlbp	1.09E-66	-0.724	0.162	0.639	2.72E-62	3
Sppl2a	1.11E-66	-0.707	0.087	0.518	2.76E-62	3
Oxct1	1.45E-66	-0.901	0.014	0.386	3.61E-62	3
Tfg	1.76E-66	-0.685	0.027	0.409	4.38E-62	3
Insig1	2.97E-66	-0.747	0.089	0.511	7.37E-62	3
Nop58	3.21E-66	-0.985	0.027	0.405	7.97E-62	3
Card19	4.06E-66	1.699	0.656	0.515	1.01E-61	3
Slk	5.15E-66	-0.744	0.118	0.567	1.28E-61	3
Rheb	5.32E-66	-0.552	0.08	0.51	1.32E-61	3
Glrx3	7.89E-66	-0.717	0.015	0.387	1.96E-61	3
Ddx24	8.22E-66	-0.698	0.055	0.46	2.04E-61	3
Gnai2	9.00E-66	-0.739	0.431	0.837	2.24E-61	3
Smarce1	9.14E-66	-0.813	0.021	0.393	2.27E-61	3
Eif4e2	1.08E-65	-0.698	0.055	0.459	2.68E-61	3

Copz1	1.14E-65	-0.690	0.05	0.447	2.83E-61	3
Uba1	1.24E-65	-0.712	0.121	0.573	3.07E-61	3
Emb	1.24E-65	-1.437	0.15	0.581	3.08E-61	3
Uhrf2	1.34E-65	-0.978	0.032	0.415	3.33E-61	3
Ccdc50	1.35E-65	-0.836	0.005	0.365	3.35E-61	3
Uqcrfs1	1.38E-65	-0.653	0.063	0.472	3.43E-61	3
Tspan3	1.38E-65	-1.035	0.007	0.369	3.43E-61	3
Mkrn1	1.40E-65	-0.685	0.113	0.561	3.48E-61	3
Maff	1.50E-65	1.885	0.593	0.397	3.73E-61	3
Snx9	1.85E-65	-0.861	0.075	0.487	4.60E-61	3
Hsbp1	2.57E-65	-0.749	0.031	0.412	6.39E-61	3
Ndufs5	2.61E-65	-0.681	0.017	0.387	6.48E-61	3
Cs	2.74E-65	-0.695	0.034	0.419	6.81E-61	3
Fcgr1	3.22E-65	-1.174	0.009	0.369	8.00E-61	3
Cox8a	3.24E-65	-0.796	0.347	0.803	8.05E-61	3
Bcap31	3.68E-65	-0.727	0.034	0.418	9.14E-61	3
Vamp8	4.48E-65	-0.665	0.097	0.532	1.11E-60	3
Plekho1	4.66E-65	-0.836	0.005	0.363	1.16E-60	3
Picalm	5.14E-65	-0.880	0.474	0.851	1.28E-60	3
Ndufv2	6.00E-65	-0.671	0.021	0.393	1.49E-60	3
Smc3	6.05E-65	-0.831	0.05	0.441	1.50E-60	3
Dnajb11	6.35E-65	-0.686	0.043	0.435	1.58E-60	3
Chordc1	7.21E-65	-0.842	0.009	0.367	1.79E-60	3
Pum1	8.96E-65	-0.766	0.058	0.458	2.22E-60	3
Cotl1	8.99E-65	-0.860	0.263	0.735	2.23E-60	3
Tpm3	1.28E-64	-0.803	0.467	0.868	3.17E-60	3
Psm7	1.33E-64	-0.661	0.046	0.441	3.31E-60	3
Rsu1	1.42E-64	-0.687	0.038	0.423	3.52E-60	3
Cln8	1.73E-64	-0.952	0.01	0.369	4.29E-60	3
Ube2j1	1.78E-64	-0.717	0.07	0.478	4.42E-60	3
Eps8	1.86E-64	-1.065	0.043	0.426	4.62E-60	3
Eif2s3x	1.90E-64	-0.647	0.058	0.461	4.71E-60	3
Wtap	2.29E-64	-0.692	0.08	0.494	5.68E-60	3
Sec11c	2.42E-64	-0.732	0.126	0.574	6.01E-60	3
Cd47	2.47E-64	-0.780	0.219	0.691	6.14E-60	3
Gsk3b	2.96E-64	-0.712	0.08	0.497	7.36E-60	3
U2af1	3.26E-64	-0.679	0.07	0.482	8.10E-60	3
Sdhb	3.34E-64	-0.703	0.024	0.395	8.30E-60	3
Clta	3.52E-64	-0.803	0.246	0.723	8.75E-60	3
Rexo2	3.55E-64	-0.717	0.029	0.402	8.82E-60	3
Rpl10-ps3	4.05E-64	-0.673	0.173	0.652	1.00E-59	3
Rnps1	4.11E-64	-0.583	0.041	0.428	1.02E-59	3
Cdv3	4.27E-64	-0.706	0.065	0.468	1.06E-59	3
Sdf2l1	4.38E-64	-0.882	0.012	0.37	1.09E-59	3
Tmem258	4.43E-64	-0.661	0.108	0.547	1.10E-59	3
Ccl9	4.47E-64	-1.754	0.104	0.491	1.11E-59	3

5031439G07Rik	4.98E-64	-0.819	0.062	0.461	1.24E-59	3
Nol7	7.05E-64	-0.748	0.021	0.388	1.75E-59	3
Bptf	7.51E-64	-0.737	0.074	0.483	1.86E-59	3
Csnk1a1	8.11E-64	-0.657	0.197	0.687	2.01E-59	3
Fgfr1op2	9.20E-64	-0.776	0.036	0.414	2.29E-59	3
Leprot	9.55E-64	-0.728	0.019	0.385	2.37E-59	3
Mrps21	1.22E-63	-0.625	0.031	0.407	3.03E-59	3
Ctdnep1	1.23E-63	-0.668	0.036	0.415	3.06E-59	3
Cers2	1.27E-63	-0.699	0.106	0.541	3.16E-59	3
Thrap3	1.57E-63	-0.554	0.174	0.653	3.91E-59	3
Rtn3	1.60E-63	-0.742	0.169	0.641	3.96E-59	3
Huwe1	1.69E-63	-0.724	0.056	0.453	4.20E-59	3
Cmtm7	1.72E-63	-0.781	0.058	0.45	4.27E-59	3
Rbm5	1.86E-63	-0.801	0.063	0.46	4.62E-59	3
Eif3m	1.88E-63	-0.691	0.019	0.383	4.68E-59	3
Prpf40a	1.95E-63	-0.575	0.166	0.642	4.84E-59	3
Tm9sf2	1.96E-63	-0.743	0.041	0.421	4.87E-59	3
Txn2	2.11E-63	-0.702	0.029	0.402	5.25E-59	3
Specc11	2.56E-63	-0.843	0.009	0.362	6.37E-59	3
Fam96a	2.87E-63	-0.716	0.024	0.391	7.13E-59	3
Rwdd1	3.43E-63	-0.731	0.019	0.381	8.51E-59	3
Tmed10	3.44E-63	-0.749	0.174	0.631	8.55E-59	3
Tacc1	3.53E-63	-0.835	0.051	0.437	8.78E-59	3
Ndufa10	3.75E-63	-0.713	0.015	0.375	9.31E-59	3
Actn4	3.94E-63	-0.658	0.178	0.654	9.79E-59	3
Txn11	4.18E-63	-0.645	0.097	0.52	1.04E-58	3
Selplg	4.56E-63	-0.709	0.135	0.581	1.13E-58	3
Actr3	4.61E-63	-0.861	0.523	0.876	1.15E-58	3
Rassf3	4.82E-63	-0.862	0.077	0.478	1.20E-58	3
Fkbp2	4.96E-63	-0.718	0.01	0.364	1.23E-58	3
Lrp1	5.72E-63	-0.988	0.019	0.378	1.42E-58	3
Kcnn4	5.92E-63	-1.055	0.038	0.412	1.47E-58	3
Psm2	5.98E-63	-0.635	0.06	0.457	1.48E-58	3
Gpr65	6.41E-63	-1.007	0.051	0.431	1.59E-58	3
Serp1	6.47E-63	-0.782	0.212	0.686	1.61E-58	3
Hmox1	6.68E-63	1.474	0.747	0.529	1.66E-58	3
Sri	7.29E-63	-0.700	0.05	0.438	1.81E-58	3
Ankrd17	7.46E-63	-0.704	0.101	0.522	1.85E-58	3
Gusb	8.42E-63	-0.808	0.043	0.423	2.09E-58	3
1110004F10Rik	8.57E-63	-0.679	0.024	0.39	2.13E-58	3
Ndufb5	1.08E-62	-0.633	0.015	0.374	2.69E-58	3
Tmem234	1.09E-62	-0.631	0.072	0.478	2.70E-58	3
Rac1	1.15E-62	-0.801	0.35	0.789	2.85E-58	3
Ube2n	1.16E-62	-0.642	0.149	0.605	2.88E-58	3
Igfbp1	1.17E-62	-0.717	0.009	0.359	2.91E-58	3
Ccr2	1.28E-62	-1.467	0.017	0.372	3.18E-58	3

mt-Co3	1.32E-62	-0.740	0.779	0.982	3.28E-58	3
Ppp4r3a	1.40E-62	-0.730	0.036	0.41	3.48E-58	3
Srsf11	1.57E-62	-0.852	0.267	0.756	3.90E-58	3
Hprt	1.81E-62	-0.629	0.055	0.448	4.50E-58	3
Eif1a	1.81E-62	-0.610	0.115	0.549	4.51E-58	3
Cybb	1.87E-62	-1.474	0.07	0.447	4.65E-58	3
Mrc1	2.28E-62	-1.838	0.014	0.364	5.66E-58	3
Ppp1r14b	2.38E-62	-0.730	0.017	0.373	5.92E-58	3
Ube2m	2.39E-62	-0.609	0.038	0.415	5.95E-58	3
Lmnb1	2.57E-62	1.815	0.715	0.649	6.38E-58	3
Rel	2.71E-62	-0.983	0.186	0.626	6.74E-58	3
Syncrip	3.11E-62	-0.677	0.087	0.5	7.72E-58	3
Larp4	3.70E-62	-0.713	0.039	0.416	9.19E-58	3
Ap3b1	3.74E-62	-0.665	0.075	0.481	9.28E-58	3
7-Sep	3.78E-62	-0.686	0.188	0.656	9.38E-58	3
Erp44	4.14E-62	-0.642	0.027	0.394	1.03E-57	3
Psmc3	4.45E-62	-0.635	0.031	0.399	1.11E-57	3
Efr3a	5.12E-62	-0.772	0.003	0.347	1.27E-57	3
Psmc2	5.16E-62	-0.730	0.017	0.373	1.28E-57	3
Sdhd	5.71E-62	-0.643	0.085	0.497	1.42E-57	3
Paics	5.85E-62	-0.779	0.01	0.359	1.45E-57	3
Bst2	6.12E-62	-0.919	0.027	0.389	1.52E-57	3
Stk4	6.60E-62	-0.933	0.077	0.473	1.64E-57	3
Gesh	7.46E-62	-0.958	0.01	0.359	1.85E-57	3
Kcmf1	7.47E-62	-0.626	0.089	0.506	1.86E-57	3
Stat1	8.10E-62	-1.090	0.044	0.416	2.01E-57	3
Rbm3	8.97E-62	-0.760	0.272	0.752	2.23E-57	3
Ppp3ca	1.10E-61	-0.744	0.067	0.462	2.73E-57	3
Stk24	1.30E-61	-0.623	0.094	0.509	3.23E-57	3
Wbp4	1.55E-61	-0.701	0.029	0.394	3.85E-57	3
Piezo1	1.59E-61	-0.750	0.089	0.496	3.95E-57	3
Psmd12	1.69E-61	-0.624	0.065	0.458	4.20E-57	3
Ctnna1	1.91E-61	-0.773	0.062	0.451	4.74E-57	3
Luc7l2	1.92E-61	-0.696	0.202	0.679	4.78E-57	3
Man2b1	2.02E-61	-0.888	0.056	0.437	5.01E-57	3
Lrrc59	2.02E-61	-0.643	0.044	0.423	5.01E-57	3
Naaa	2.07E-61	-1.399	0.015	0.364	5.15E-57	3
Asah1	2.24E-61	-0.805	0.026	0.386	5.56E-57	3
Ppp2r2a	2.34E-61	-0.559	0.115	0.546	5.80E-57	3
Cd86	2.44E-61	-0.888	0.044	0.418	6.06E-57	3
Lyst	2.65E-61	1.681	0.405	0.178	6.59E-57	3
Ankrd11	2.80E-61	-0.769	0.15	0.594	6.94E-57	3
Mmp19	3.03E-61	-1.577	0.029	0.385	7.53E-57	3
Msr1	3.43E-61	-1.413	0.019	0.367	8.51E-57	3
Arglu1	3.47E-61	-0.659	0.08	0.484	8.62E-57	3
Ndufb7	3.48E-61	-0.671	0.027	0.389	8.64E-57	3

Pgls	3.64E-61	-0.671	0.019	0.373	9.05E-57	3
Glul	4.00E-61	-0.754	0.173	0.613	9.94E-57	3
Purb	4.32E-61	-0.706	0.126	0.561	1.07E-56	3
Tcerg1	4.34E-61	-0.781	0.031	0.395	1.08E-56	3
Nme1	4.80E-61	-0.706	0.063	0.454	1.19E-56	3
Eif3a	5.33E-61	-0.683	0.34	0.82	1.32E-56	3
Bclaf1	5.38E-61	-0.665	0.125	0.559	1.34E-56	3
Frg1	6.35E-61	-0.729	0.039	0.409	1.58E-56	3
H2-Q4	6.45E-61	-0.827	0.149	0.581	1.60E-56	3
Unc93b1	6.84E-61	-0.913	0.08	0.473	1.70E-56	3
Mia2	7.32E-61	-0.596	0.101	0.522	1.82E-56	3
Ifi203	7.36E-61	-1.107	0.014	0.361	1.83E-56	3
Tbc1d9	7.67E-61	-0.888	0.021	0.372	1.91E-56	3
Rangap1	8.17E-61	-0.817	0.029	0.389	2.03E-56	3
Copb2	8.48E-61	-0.598	0.036	0.404	2.11E-56	3
Taok3	8.83E-61	-0.742	0.05	0.427	2.19E-56	3
St3gal1	9.53E-61	-0.838	0.103	0.509	2.37E-56	3
Fxr1	1.02E-60	-0.596	0.067	0.461	2.53E-56	3
Nucks1	1.09E-60	-0.805	0.022	0.376	2.70E-56	3
Eif5	1.28E-60	1.079	0.826	0.864	3.18E-56	3
Ola1	1.42E-60	-0.713	0.005	0.345	3.52E-56	3
Crlf3	1.50E-60	-0.927	0.031	0.39	3.73E-56	3
Os9	1.51E-60	-0.587	0.082	0.485	3.76E-56	3
Cbfa2t3	1.68E-60	-1.479	0.015	0.359	4.17E-56	3
Smc6	1.77E-60	-0.897	0.032	0.392	4.39E-56	3
Phf5a	1.95E-60	-0.669	0.032	0.395	4.86E-56	3
C5ar1	2.52E-60	1.604	0.603	0.379	6.26E-56	3
Psmal1	2.58E-60	-0.641	0.022	0.375	6.41E-56	3
Ly6a	2.61E-60	-2.001	0.022	0.366	6.49E-56	3
Atxn2l	2.75E-60	-0.557	0.138	0.581	6.83E-56	3
Srsf9	3.15E-60	-0.662	0.024	0.378	7.84E-56	3
Rab35	3.33E-60	-0.692	0.034	0.397	8.26E-56	3
Ndufc1	3.49E-60	-0.626	0.022	0.377	8.67E-56	3
Hnrnpull1	3.70E-60	-0.682	0.133	0.571	9.19E-56	3
C1qc	4.05E-60	-2.667	0.05	0.393	1.01E-55	3
Chp1	4.09E-60	-0.642	0.125	0.557	1.02E-55	3
Acadl	4.35E-60	-0.717	0.024	0.378	1.08E-55	3
H2-T23	4.45E-60	-0.634	0.118	0.548	1.11E-55	3
Elf1	4.84E-60	-0.893	0.179	0.623	1.20E-55	3
Gspt1	5.32E-60	-0.642	0.031	0.393	1.32E-55	3
Dnajc8	5.36E-60	-0.592	0.074	0.466	1.33E-55	3
Cacybp	5.80E-60	-0.695	0.026	0.382	1.44E-55	3
Slamf7	5.93E-60	-1.051	0.019	0.367	1.47E-55	3
Cops2	5.97E-60	-0.630	0.014	0.358	1.48E-55	3
Canx	5.99E-60	-0.663	0.255	0.72	1.49E-55	3
Pcbp1	6.33E-60	-0.632	0.391	0.835	1.57E-55	3

Itgav	7.11E-60	-1.070	0.05	0.417	1.77E-55	3
Tomm22	7.67E-60	-0.510	0.051	0.432	1.90E-55	3
Rftn1	7.69E-60	-0.797	0.002	0.334	1.91E-55	3
Gnl3	8.08E-60	-0.751	0.068	0.456	2.01E-55	3
11-Sep	8.14E-60	-0.826	0.012	0.354	2.02E-55	3
Pdcd10	8.45E-60	-0.652	0.06	0.442	2.10E-55	3
Lat2	8.56E-60	-0.817	0.039	0.403	2.13E-55	3
Lrrc58	9.29E-60	-0.683	0.181	0.641	2.31E-55	3
Psme2	1.11E-59	-0.672	0.058	0.438	2.76E-55	3
Pdcd6	1.20E-59	-0.519	0.094	0.506	2.99E-55	3
Myl12a	1.55E-59	-0.638	0.197	0.662	3.85E-55	3
Tmem256	1.56E-59	-0.652	0.002	0.334	3.88E-55	3
Hipk1	1.68E-59	-0.636	0.085	0.485	4.17E-55	3
Paip2	1.89E-59	-0.644	0.087	0.488	4.70E-55	3
Psme3	1.90E-59	-0.570	0.056	0.436	4.73E-55	3
Arpp19	1.92E-59	-0.573	0.092	0.498	4.76E-55	3
Psap	1.95E-59	-1.409	0.603	0.874	4.84E-55	3
Ythdf1	1.97E-59	-0.628	0.065	0.449	4.89E-55	3
Ube3a	2.00E-59	-0.801	0.024	0.373	4.97E-55	3
Ddx17	2.11E-59	-0.646	0.142	0.581	5.24E-55	3
Necap2	2.18E-59	-0.696	0.024	0.376	5.41E-55	3
Skp1a	2.34E-59	-0.504	0.111	0.532	5.81E-55	3
Clec4a1	2.38E-59	-1.080	0.014	0.353	5.90E-55	3
Psmb3	2.54E-59	-0.613	0.026	0.379	6.32E-55	3
1810022K09Rik	2.63E-59	-0.578	0.036	0.396	6.53E-55	3
Osm	2.71E-59	1.938	0.585	0.381	6.73E-55	3
Sla	2.76E-59	-1.124	0.056	0.424	6.85E-55	3
Zc3hav1	2.91E-59	-0.769	0.161	0.594	7.24E-55	3
Cct7	3.07E-59	-0.701	0.031	0.385	7.62E-55	3
Mif4gd	3.08E-59	-0.842	0.007	0.342	7.65E-55	3
Eed	3.19E-59	-0.797	0.021	0.367	7.93E-55	3
Rbm8a	3.48E-59	-0.621	0.067	0.454	8.66E-55	3
Trim28	4.57E-59	-0.621	0.058	0.437	1.14E-54	3
Arpc3	5.30E-59	-0.737	0.335	0.808	1.32E-54	3
Csrnp1	5.65E-59	1.416	0.786	0.768	1.40E-54	3
Zfand6	5.89E-59	-0.699	0.048	0.416	1.46E-54	3
Pip5k1c	7.44E-59	-0.698	0.149	0.587	1.85E-54	3
Ppp2r1a	7.55E-59	-0.616	0.058	0.437	1.88E-54	3
Itg7	9.56E-59	-1.106	0.017	0.356	2.37E-54	3
Rabggb	9.94E-59	-0.717	0.019	0.362	2.47E-54	3
Pdia4	1.03E-58	-0.799	0.002	0.33	2.57E-54	3
Psmb10	1.26E-58	-0.701	0.017	0.359	3.12E-54	3
Stx7	1.29E-58	-0.652	0.085	0.482	3.21E-54	3
Rbm42	1.30E-58	-0.542	0.091	0.496	3.23E-54	3
Ldlr	1.46E-58	-1.001	0.024	0.369	3.62E-54	3
Lactb	1.54E-58	-0.847	0.003	0.333	3.84E-54	3

Hmgn1	1.56E-58	-0.803	0.015	0.356	3.88E-54	3
Itga5	1.59E-58	-1.026	0.099	0.492	3.96E-54	3
Rsl1d1	1.61E-58	-0.743	0.015	0.355	3.99E-54	3
Arhgap45	1.64E-58	-0.796	0.075	0.461	4.08E-54	3
Ythdc1	1.76E-58	-0.682	0.12	0.537	4.38E-54	3
Ubqln1	1.83E-58	-0.517	0.048	0.419	4.54E-54	3
Ndufb6	2.19E-58	-0.606	0.038	0.398	5.44E-54	3
Far1	2.28E-58	-0.715	0.031	0.383	5.66E-54	3
Cacul1	2.37E-58	-0.597	0.125	0.55	5.90E-54	3
Sp3	2.38E-58	-0.709	0.058	0.431	5.92E-54	3
Mapk1ip1l	2.46E-58	-0.564	0.079	0.473	6.10E-54	3
Gm8186	2.48E-58	-0.662	0.019	0.361	6.16E-54	3
Arpc5	2.95E-58	-0.746	0.368	0.807	7.33E-54	3
Trip12	3.09E-58	-0.583	0.108	0.521	7.68E-54	3
Smdt1	3.67E-58	-0.624	0.019	0.362	9.12E-54	3
Rab21	4.00E-58	-0.533	0.116	0.536	9.93E-54	3
Flrt3	4.07E-58	-1.847	0.012	0.342	1.01E-53	3
Man2a1	4.80E-58	-0.740	0.048	0.412	1.19E-53	3
Rtn4	5.05E-58	-0.648	0.203	0.668	1.26E-53	3
Pid1	5.13E-58	-0.916	0.017	0.353	1.28E-53	3
Dnajb9	5.54E-58	1.765	0.682	0.608	1.38E-53	3
Tnpo1	5.56E-58	-0.639	0.039	0.399	1.38E-53	3
Sf3b2	6.04E-58	-0.517	0.084	0.482	1.50E-53	3
Slc25a51	6.22E-58	-0.702	0.022	0.365	1.55E-53	3
Hp1bp3	6.56E-58	-0.698	0.05	0.414	1.63E-53	3
Csf1r	7.01E-58	-1.108	0.097	0.475	1.74E-53	3
Arl1	7.08E-58	-0.569	0.046	0.412	1.76E-53	3
Eny2	7.45E-58	-0.698	0.009	0.339	1.85E-53	3
H2-DMb1	7.85E-58	-1.017	0.007	0.335	1.95E-53	3
Actr2	8.24E-58	-0.705	0.275	0.746	2.05E-53	3
Arid1a	9.97E-58	-0.603	0.068	0.45	2.48E-53	3
Glg1	1.05E-57	-0.645	0.051	0.42	2.61E-53	3
Cul3	1.06E-57	-0.555	0.162	0.608	2.64E-53	3
Sar1a	1.08E-57	-0.560	0.084	0.478	2.69E-53	3
Ube2r2	1.10E-57	-0.539	0.079	0.472	2.74E-53	3
Cdkn1b	1.18E-57	-0.621	0.096	0.493	2.93E-53	3
Srrt	1.19E-57	-0.774	0.019	0.358	2.96E-53	3
Rassf1	1.23E-57	-0.681	0.077	0.462	3.04E-53	3
Supt16	1.29E-57	-0.687	0.032	0.383	3.21E-53	3
Nup62	1.34E-57	-0.744	0.014	0.348	3.33E-53	3
Rock1	1.36E-57	-0.693	0.198	0.648	3.38E-53	3
Taf1d	1.58E-57	-0.657	0.149	0.583	3.93E-53	3
Mrpl24	1.72E-57	-0.642	0.026	0.37	4.27E-53	3
Setd2	1.77E-57	-0.613	0.126	0.543	4.39E-53	3
Uck2	1.90E-57	-0.865	0.08	0.459	4.72E-53	3
Fabp5	2.09E-57	-1.921	0.19	0.568	5.20E-53	3

Tmem167	2.55E-57	-0.472	0.08	0.472	6.32E-53	3
Cenpa	2.66E-57	-0.898	0.019	0.354	6.60E-53	3
Ikbkb	2.91E-57	-0.790	0.038	0.389	7.23E-53	3
Paf1	2.95E-57	-0.815	0.024	0.365	7.32E-53	3
Itpkb	3.04E-57	-0.850	0.067	0.437	7.55E-53	3
Rbbp7	3.11E-57	-0.731	0.026	0.368	7.72E-53	3
D8Erted738e	3.42E-57	-0.576	0.144	0.575	8.49E-53	3
Copb1	3.43E-57	-0.582	0.034	0.385	8.53E-53	3
Gm11361	3.57E-57	-0.640	0.007	0.334	8.88E-53	3
Ppp6c	3.59E-57	-0.661	0.032	0.382	8.93E-53	3
Tmem106a	3.84E-57	-0.826	0.01	0.339	9.53E-53	3
Uqcrq	3.99E-57	-0.606	0.132	0.554	9.92E-53	3
Dcun1d5	4.09E-57	-0.637	0.003	0.326	1.02E-52	3
Stt3b	6.05E-57	-0.651	0.024	0.364	1.50E-52	3
Scaf11	8.16E-57	-0.630	0.075	0.456	2.03E-52	3
Dbnl	8.62E-57	-0.679	0.029	0.372	2.14E-52	3
Rtraf	9.12E-57	-0.617	0.01	0.339	2.27E-52	3
Txndc9	9.23E-57	-0.568	0.043	0.4	2.29E-52	3
Phb2	9.79E-57	-0.609	0.026	0.368	2.43E-52	3
Gnb1	1.04E-56	-0.686	0.303	0.766	2.59E-52	3
Ebp	1.10E-56	-0.612	0.009	0.335	2.73E-52	3
Pttg1ip	1.10E-56	-0.682	0.072	0.449	2.74E-52	3
Clec4a3	1.40E-56	-0.961	0.01	0.335	3.47E-52	3
Asmt	1.51E-56	-0.634	0.034	0.383	3.75E-52	3
Pea15a	1.60E-56	-0.735	0.01	0.337	3.96E-52	3
Gorasp2	1.71E-56	-0.617	0.012	0.341	4.25E-52	3
Ogdh	1.82E-56	-0.648	0.041	0.394	4.52E-52	3
Snrpd2	1.95E-56	-0.593	0.029	0.372	4.83E-52	3
Ostc	1.99E-56	-0.636	0.062	0.428	4.95E-52	3
Nek7	2.05E-56	-0.715	0.01	0.336	5.10E-52	3
Cops6	2.17E-56	-0.572	0.012	0.341	5.39E-52	3
Lilrb4a	2.17E-56	1.578	0.414	0.196	5.40E-52	3
Tmem160	2.22E-56	-0.601	0.012	0.34	5.51E-52	3
Brd4	2.26E-56	-0.601	0.21	0.674	5.61E-52	3
Sumo3	2.29E-56	-0.658	0.038	0.386	5.68E-52	3
Mob1a	2.34E-56	-0.560	0.154	0.589	5.81E-52	3
Snhg6	2.45E-56	-0.707	0.014	0.343	6.08E-52	3
Dpysl2	2.77E-56	-0.711	0.003	0.323	6.87E-52	3
Git2	2.88E-56	-0.610	0.044	0.4	7.16E-52	3
Rpl10	3.05E-56	-0.745	0.412	0.801	7.56E-52	3
Mtch1	3.38E-56	-0.609	0.019	0.352	8.41E-52	3
Ghitm	3.40E-56	-0.545	0.178	0.629	8.46E-52	3
Ddx47	3.50E-56	-0.642	0.027	0.367	8.69E-52	3
Arpc1a	3.68E-56	-0.625	0.063	0.435	9.15E-52	3
Ptges3	3.75E-56	-0.595	0.178	0.619	9.32E-52	3
Psm1	3.83E-56	-0.668	0.022	0.358	9.52E-52	3



Vamp7	3.96E-56	-0.611	0.017	0.349	9.85E-52	3
Csnk2a2	4.66E-56	-0.597	0.048	0.404	1.16E-51	3
Nt5c	4.78E-56	-0.662	0.007	0.327	1.19E-51	3
Ier3ip1	4.95E-56	-0.577	0.05	0.409	1.23E-51	3
Ythdf2	5.06E-56	-0.606	0.034	0.38	1.26E-51	3
Irf2bpl	5.11E-56	-0.855	0.027	0.364	1.27E-51	3
Zmat2	5.43E-56	-0.476	0.074	0.454	1.35E-51	3
Celf1	5.50E-56	-0.688	0.067	0.436	1.37E-51	3
Mrpl42	5.94E-56	-0.670	0.009	0.331	1.48E-51	3
Smc4	6.15E-56	-1.080	0.055	0.408	1.53E-51	3
Dync1h1	6.96E-56	-0.682	0.038	0.384	1.73E-51	3
Pi4k2a	7.06E-56	-0.711	0.034	0.378	1.75E-51	3
Lrrc8c	8.99E-56	-0.767	0.007	0.327	2.23E-51	3
Pcmt1	9.33E-56	-0.616	0.043	0.395	2.32E-51	3
Coro1b	1.15E-55	-0.556	0.048	0.405	2.85E-51	3
Sdhc	1.17E-55	-0.589	0.012	0.336	2.92E-51	3
Serinc1	1.27E-55	-0.561	0.099	0.496	3.14E-51	3
Tab2	1.27E-55	-0.531	0.159	0.601	3.15E-51	3
Cct3	1.27E-55	-0.641	0.017	0.347	3.16E-51	3
Tardbp	1.59E-55	-0.608	0.089	0.475	3.94E-51	3
Baz1b	1.60E-55	-0.751	0.031	0.371	3.97E-51	3
Snu13	1.69E-55	-0.496	0.096	0.491	4.19E-51	3
Srsf10	1.84E-55	-0.674	0.044	0.396	4.56E-51	3
Psm4	1.97E-55	-0.524	0.084	0.468	4.89E-51	3
Stt3a	2.07E-55	-0.579	0.039	0.387	5.13E-51	3
Sptssa	2.11E-55	-0.640	0.01	0.332	5.23E-51	3
Caprin1	2.11E-55	-0.504	0.099	0.497	5.24E-51	3
Bak1	2.22E-55	-0.541	0.038	0.384	5.51E-51	3
Elavl1	2.60E-55	-0.625	0.029	0.367	6.47E-51	3
Cdc42	3.16E-55	-0.661	0.526	0.889	7.84E-51	3
Pik3r1	3.20E-55	-0.818	0.082	0.452	7.96E-51	3
0610012G03Rik	3.60E-55	-0.605	0.017	0.344	8.95E-51	3
Tent5a	3.78E-55	-1.290	0.072	0.432	9.38E-51	3
Olfm1	4.28E-55	-1.030	0.002	0.314	1.06E-50	3
Aldh9a1	4.39E-55	-0.650	0.017	0.344	1.09E-50	3
Tmem30a	4.57E-55	-0.623	0.075	0.447	1.14E-50	3
Ms4a4c	5.06E-55	-1.349	0.007	0.321	1.26E-50	3
Srrm1	5.26E-55	-0.631	0.265	0.736	1.31E-50	3
Fermt3	5.26E-55	-0.669	0.017	0.343	1.31E-50	3
Nasp	6.20E-55	-0.684	0.072	0.443	1.54E-50	3
Bin1	6.78E-55	-0.690	0.005	0.32	1.68E-50	3
Eif4a3	7.05E-55	-0.562	0.094	0.484	1.75E-50	3
Sec31a	7.07E-55	-0.612	0.055	0.412	1.76E-50	3
Cnot6	7.14E-55	-0.693	0.051	0.406	1.77E-50	3
Prmt1	7.69E-55	-0.685	0.003	0.316	1.91E-50	3
Trp53	7.96E-55	-0.684	0.039	0.384	1.98E-50	3

Dynlt3	8.84E-55	-0.666	0.017	0.343	2.20E-50	3
Ube2d2a	9.09E-55	-0.631	0.224	0.693	2.26E-50	3
Slc1a5	1.00E-54	-0.837	0.053	0.404	2.49E-50	3
Pdcd6ip	1.10E-54	-0.535	0.109	0.511	2.73E-50	3
Stat3	1.11E-54	-0.883	0.335	0.785	2.76E-50	3
Ssrp1	1.12E-54	-0.691	0.014	0.335	2.79E-50	3
Psmc4	1.32E-54	-0.675	0.021	0.346	3.27E-50	3
Ncstn	1.44E-54	-0.540	0.038	0.38	3.58E-50	3
Kdelr1	1.45E-54	-0.565	0.039	0.384	3.60E-50	3
Orai1	1.86E-54	-0.824	0.065	0.421	4.62E-50	3
Gsto1	1.88E-54	-0.571	0.055	0.412	4.68E-50	3
Tra2b	1.90E-54	-0.647	0.267	0.747	4.73E-50	3
Ddb1	1.98E-54	-0.624	0.029	0.364	4.91E-50	3
Arf5	2.45E-54	-0.606	0.203	0.662	6.08E-50	3
Vps28	2.55E-54	-0.535	0.041	0.388	6.33E-50	3
Saraf	2.61E-54	-0.687	0.07	0.435	6.48E-50	3
2510039O18Rik	2.66E-54	-0.599	0.024	0.353	6.60E-50	3
Csrp1	2.74E-54	-0.834	0.01	0.327	6.81E-50	3
Hnrnpa3	3.09E-54	-0.685	0.287	0.737	7.68E-50	3
Abhd12	3.76E-54	-0.721	0.007	0.32	9.35E-50	3
Zfp706	4.27E-54	-0.590	0.022	0.35	1.06E-49	3
Tap1	4.37E-54	-0.681	0.039	0.379	1.08E-49	3
Rab18	4.78E-54	-0.586	0.019	0.343	1.19E-49	3
Vamp3	5.66E-54	-0.600	0.074	0.442	1.41E-49	3
Etfa	6.33E-54	-0.561	0.007	0.319	1.57E-49	3
Bmp2k	6.83E-54	-0.578	0.051	0.403	1.70E-49	3
Got2	7.02E-54	-0.525	0.046	0.395	1.74E-49	3
Nop53	8.23E-54	-0.519	0.111	0.509	2.05E-49	3
Junb	8.36E-54	0.889	0.916	0.929	2.08E-49	3
Csk	8.40E-54	-0.594	0.031	0.365	2.09E-49	3
Dynll1	8.73E-54	-0.467	0.291	0.77	2.17E-49	3
Cblb	8.85E-54	-0.974	0.007	0.316	2.20E-49	3
Sumo1	9.23E-54	-0.495	0.079	0.454	2.29E-49	3
Tubb2a	9.68E-54	-0.794	0.027	0.356	2.40E-49	3
Rala	1.09E-53	-0.515	0.079	0.452	2.71E-49	3
Sptlc2	1.15E-53	-0.597	0.062	0.418	2.85E-49	3
Dnajc15	1.25E-53	-0.574	0.01	0.325	3.11E-49	3
Rnf10	1.28E-53	-0.472	0.138	0.557	3.19E-49	3
Raph1	1.32E-53	-0.912	0.036	0.368	3.29E-49	3
Igf1r	1.41E-53	1.625	0.296	0.102	3.49E-49	3
Suco	1.43E-53	1.772	0.54	0.368	3.56E-49	3
Ccdc88a	1.58E-53	-1.000	0.012	0.326	3.93E-49	3
Cbfb	1.64E-53	-0.603	0.041	0.382	4.07E-49	3
Edem1	1.65E-53	-0.517	0.145	0.569	4.11E-49	3
Magt1	1.68E-53	-0.606	0.072	0.433	4.18E-49	3
Cfp	1.71E-53	-0.926	0.082	0.438	4.24E-49	3

Ywhaz	1.71E-53	-0.687	0.583	0.898	4.26E-49	3
Drap1	1.76E-53	-0.606	0.096	0.481	4.37E-49	3
Eif1ax	2.09E-53	-0.557	0.036	0.373	5.19E-49	3
Brk1	2.20E-53	-0.538	0.132	0.541	5.46E-49	3
Etv6	2.28E-53	-0.648	0.019	0.338	5.65E-49	3
Gapvd1	2.66E-53	-0.661	0.039	0.375	6.61E-49	3
Rab5if	2.87E-53	-0.515	0.05	0.399	7.12E-49	3
Cox20	2.99E-53	-0.550	0.043	0.383	7.44E-49	3
Mospd3	3.06E-53	-0.591	0.024	0.348	7.60E-49	3
Lgals3	3.16E-53	-1.230	0.638	0.829	7.86E-49	3
Gng2	3.22E-53	-0.652	0.053	0.401	7.99E-49	3
Ms4a6b	3.40E-53	-0.829	0.005	0.312	8.44E-49	3
Cyp51	3.70E-53	-0.969	0.015	0.329	9.20E-49	3
Gatad2b	3.77E-53	-0.497	0.075	0.442	9.36E-49	3
Stat2	4.20E-53	-0.960	0.043	0.379	1.04E-48	3
Aph1a	4.42E-53	-0.464	0.039	0.379	1.10E-48	3
Fip1l1	4.45E-53	-0.664	0.027	0.353	1.10E-48	3
Khdrbs1	6.86E-53	-0.492	0.079	0.449	1.70E-48	3
Lman2	8.02E-53	-0.444	0.085	0.464	1.99E-48	3
Vdac3	8.68E-53	-0.555	0.005	0.311	2.16E-48	3
Eif2s1	9.83E-53	-0.499	0.044	0.385	2.44E-48	3
Ak2	1.06E-52	-0.482	0.084	0.458	2.65E-48	3
Usp7	1.07E-52	-0.576	0.142	0.551	2.67E-48	3
Gpat4	1.08E-52	-0.674	0.012	0.321	2.69E-48	3
2610507B11Rik	1.10E-52	-0.676	0.022	0.343	2.73E-48	3
Vti1b	1.10E-52	-0.573	0.015	0.33	2.74E-48	3
Ubb	1.11E-52	0.696	0.979	0.983	2.77E-48	3
P2ry10	1.25E-52	-1.464	0.003	0.305	3.10E-48	3
Adam15	1.35E-52	-0.779	0.031	0.354	3.35E-48	3
Pdcd5	1.35E-52	-0.588	0.017	0.332	3.36E-48	3
Ost4	1.93E-52	-0.501	0.179	0.621	4.79E-48	3
Nudc	2.02E-52	-0.518	0.027	0.351	5.01E-48	3
Rpl13a	2.02E-52	-0.617	0.009	0.315	5.03E-48	3
Irak1	2.03E-52	-0.496	0.067	0.425	5.05E-48	3
Slc35b1	2.62E-52	-0.587	0.024	0.344	6.50E-48	3
Ufm1	2.64E-52	-0.559	0.027	0.35	6.56E-48	3
Tnks2	2.69E-52	-0.596	0.036	0.365	6.69E-48	3
Clec4a2	2.83E-52	-0.937	0.051	0.385	7.03E-48	3
Rpn1	3.07E-52	-0.599	0.024	0.343	7.63E-48	3
Mrfap1	3.25E-52	-0.476	0.162	0.593	8.07E-48	3
Eif4ebp2	3.35E-52	-0.556	0.101	0.482	8.32E-48	3
Wdr43	3.73E-52	-0.689	0.014	0.323	9.26E-48	3
Cyfip1	4.18E-52	-0.572	0.051	0.394	1.04E-47	3
Rtf1	4.29E-52	-0.540	0.089	0.46	1.07E-47	3
Crybg1	4.87E-52	-0.845	0.003	0.303	1.21E-47	3
Dnaja2	5.62E-52	-0.502	0.097	0.476	1.40E-47	3

Eif5a	6.37E-52	-0.519	0.46	0.858	1.58E-47	3
Psenen	6.54E-52	-0.512	0.183	0.623	1.63E-47	3
Rtcb	7.15E-52	-0.589	0.01	0.316	1.78E-47	3
Topors	8.00E-52	-0.449	0.104	0.486	1.99E-47	3
Itgb1	9.31E-52	-0.678	0.191	0.612	2.31E-47	3
Slc29a3	9.49E-52	-0.685	0.009	0.312	2.36E-47	3
Dcaf7	1.02E-51	-0.614	0.029	0.35	2.54E-47	3
Ssfa2	1.03E-51	-0.573	0.077	0.436	2.57E-47	3
Ankrd13a	1.31E-51	-0.504	0.121	0.517	3.27E-47	3
Zbtb1	1.40E-51	-0.829	0.027	0.345	3.47E-47	3
Dnajc2	1.55E-51	-0.616	0.019	0.332	3.84E-47	3
Pabpc1	1.58E-51	-0.628	0.704	0.956	3.91E-47	3
Pank3	1.70E-51	-0.618	0.027	0.346	4.23E-47	3
Eif3d	1.84E-51	-0.534	0.048	0.386	4.58E-47	3
Acly	1.85E-51	-0.536	0.067	0.418	4.59E-47	3
Usp14	1.88E-51	-0.591	0.014	0.321	4.66E-47	3
Calu	1.94E-51	-0.557	0.036	0.364	4.81E-47	3
Slirp	2.00E-51	-0.545	0.009	0.311	4.96E-47	3
Akt1	2.02E-51	-0.558	0.099	0.475	5.02E-47	3
Snx6	2.07E-51	-0.629	0.048	0.384	5.14E-47	3
Tlnrd1	2.09E-51	-0.642	0.012	0.318	5.20E-47	3
Aimp1	2.12E-51	-0.594	0.01	0.314	5.26E-47	3
Usp9x	2.22E-51	-0.536	0.077	0.436	5.51E-47	3
Luc7l	2.29E-51	-0.603	0.026	0.343	5.69E-47	3
Tbl1x	2.33E-51	-0.695	0.022	0.336	5.78E-47	3
Psmb5	2.48E-51	-0.544	0.026	0.344	6.16E-47	3
Dap	2.66E-51	-0.597	0.051	0.39	6.60E-47	3
Cyp4f18	2.69E-51	1.339	0.465	0.239	6.67E-47	3
Rnf187	3.52E-51	-0.560	0.021	0.332	8.74E-47	3
Dot1l	3.82E-51	-0.628	0.108	0.486	9.48E-47	3
Matr3	3.92E-51	-0.514	0.092	0.464	9.74E-47	3
Atp6ap1	4.01E-51	-0.631	0.162	0.577	9.95E-47	3
Cmas	5.16E-51	-0.587	0.06	0.404	1.28E-46	3
Cggbp1	5.74E-51	-0.457	0.126	0.521	1.43E-46	3
Llph	5.83E-51	-0.459	0.091	0.464	1.45E-46	3
Ap2b1	6.00E-51	-0.526	0.048	0.385	1.49E-46	3
Metap1	6.00E-51	-0.645	0.014	0.319	1.49E-46	3
Ube2q1	6.06E-51	-0.501	0.144	0.548	1.51E-46	3
Tnrc6a	8.67E-51	-0.574	0.091	0.458	2.15E-46	3
Fuca1	9.14E-51	-0.581	0.027	0.344	2.27E-46	3
Tcf4	1.04E-50	-0.856	0.017	0.322	2.58E-46	3
Itga4	1.05E-50	-1.041	0.019	0.324	2.61E-46	3
Mrpl18	1.08E-50	-0.587	0.015	0.321	2.69E-46	3
Grk2	1.10E-50	-0.466	0.113	0.501	2.72E-46	3
Psm5	1.10E-50	-0.555	0.019	0.328	2.74E-46	3
Cd300lf	1.12E-50	1.247	0.576	0.383	2.79E-46	3

Ppp4r3b	1.13E-50	-0.503	0.111	0.494	2.81E-46	3
Etnk1	1.30E-50	-0.688	0.034	0.356	3.22E-46	3
Aco2	1.30E-50	-0.531	0.024	0.336	3.22E-46	3
Isy1	1.32E-50	-0.723	0.05	0.381	3.27E-46	3
Sec23b	1.43E-50	-0.577	0.034	0.356	3.54E-46	3
Nolc1	1.60E-50	-0.654	0.024	0.336	3.96E-46	3
Gabarapl2	1.77E-50	-0.428	0.097	0.474	4.39E-46	3
Ube2k	1.77E-50	-0.462	0.15	0.562	4.40E-46	3
Snrpa	1.79E-50	-0.588	0.021	0.329	4.44E-46	3
Ipo7	1.79E-50	-0.470	0.092	0.461	4.45E-46	3
Tecr	1.88E-50	-0.605	0.031	0.347	4.66E-46	3
Casp8	1.95E-50	-0.570	0.051	0.387	4.84E-46	3
Prpf4b	2.12E-50	-0.660	0.043	0.369	5.26E-46	3
Thoc2	2.25E-50	-0.548	0.087	0.45	5.59E-46	3
Vps35	2.34E-50	-0.456	0.094	0.467	5.81E-46	3
Cpt1a	2.77E-50	-0.585	0.044	0.373	6.89E-46	3
Mpc1	2.90E-50	-0.535	0.039	0.363	7.19E-46	3
Gnb2	2.91E-50	-0.474	0.186	0.623	7.23E-46	3
Rab2a	2.94E-50	-0.515	0.15	0.561	7.30E-46	3
Hnrnpd	3.27E-50	-0.488	0.179	0.607	8.13E-46	3
Gm10269	3.61E-50	-0.512	0.017	0.321	8.97E-46	3
Dlst	3.69E-50	-0.602	0.027	0.341	9.17E-46	3
Srp14	4.01E-50	-0.460	0.056	0.397	9.96E-46	3
Herpud1	4.06E-50	-0.704	0.157	0.552	1.01E-45	3
Nuak2	4.32E-50	-0.766	0.044	0.37	1.07E-45	3
Nup50	4.57E-50	-0.583	0.06	0.398	1.14E-45	3
Plekhb2	4.81E-50	-0.501	0.039	0.364	1.19E-45	3
Adcy7	5.23E-50	-0.711	0.007	0.301	1.30E-45	3
Eif4g3	5.27E-50	-0.576	0.06	0.399	1.31E-45	3
Polr2m	5.51E-50	-0.583	0.014	0.314	1.37E-45	3
Ganab	5.83E-50	-0.502	0.029	0.344	1.45E-45	3
Spcs3	6.72E-50	-0.538	0.015	0.318	1.67E-45	3
Sdha	6.98E-50	-0.529	0.026	0.338	1.73E-45	3
Gtpbp4	7.17E-50	-0.607	0.041	0.365	1.78E-45	3
Abl2	7.47E-50	-0.642	0.063	0.404	1.86E-45	3
Exoc5	8.50E-50	-0.530	0.058	0.397	2.11E-45	3
Yy1	8.68E-50	-0.401	0.162	0.585	2.16E-45	3
Rapgef2	1.21E-49	-0.657	0.043	0.365	3.01E-45	3
Sh3pxd2b	1.25E-49	-0.614	0.003	0.293	3.10E-45	3
Akirin1	1.27E-49	-0.468	0.065	0.408	3.15E-45	3
Ivns1abp	1.29E-49	-0.691	0.092	0.451	3.21E-45	3
Nemf	1.38E-49	-0.613	0.043	0.368	3.44E-45	3
Sms	1.43E-49	-0.657	0.009	0.302	3.56E-45	3
Lats2	1.44E-49	-0.569	0.101	0.466	3.59E-45	3
Prcp	1.51E-49	-0.578	0.055	0.388	3.75E-45	3
Cyb5r3	1.57E-49	-0.587	0.024	0.331	3.91E-45	3

Ctbp1	1.64E-49	-0.602	0.017	0.318	4.07E-45	3
Tgif1	1.95E-49	0.984	0.795	0.76	4.84E-45	3
Ube2j2	2.02E-49	-0.501	0.056	0.392	5.02E-45	3
Tbcb	2.04E-49	-0.524	0.012	0.309	5.06E-45	3
Sell1	2.07E-49	-0.593	0.021	0.325	5.13E-45	3
Lyz2	2.18E-49	-2.490	0.345	0.628	5.41E-45	3
Tipr1	2.19E-49	-0.632	0.043	0.364	5.45E-45	3
Hexb	2.29E-49	-0.810	0.027	0.337	5.68E-45	3
Ndufb4	2.40E-49	-0.546	0.014	0.311	5.97E-45	3
Bscl2	2.41E-49	-0.602	0.017	0.317	5.98E-45	3
Bud31	2.44E-49	-0.464	0.056	0.392	6.07E-45	3
Pcnp	2.52E-49	-0.451	0.106	0.483	6.25E-45	3
Smu1	2.54E-49	-0.492	0.043	0.367	6.32E-45	3
Hpcal1	2.56E-49	-0.492	0.115	0.493	6.35E-45	3
Eif3j1	2.72E-49	-0.453	0.137	0.533	6.76E-45	3
Pycard	3.05E-49	-0.580	0.009	0.301	7.56E-45	3
Stx12	3.26E-49	-0.575	0.01	0.304	8.11E-45	3
Rbm17	3.27E-49	-0.501	0.034	0.351	8.13E-45	3
Cnih1	3.30E-49	-0.556	0.005	0.294	8.20E-45	3
Stx4a	3.61E-49	-0.538	0.029	0.34	8.98E-45	3
Il6st	3.66E-49	-0.731	0.003	0.29	9.08E-45	3
Rap2b	3.70E-49	-0.668	0.082	0.43	9.20E-45	3
Rps6ka3	3.85E-49	-0.585	0.019	0.32	9.57E-45	3
Tmod3	4.00E-49	-0.484	0.152	0.56	9.94E-45	3
Iscu	4.36E-49	-0.619	0.031	0.341	1.08E-44	3
Coa5	4.71E-49	-0.527	0.038	0.354	1.17E-44	3
Nop10	4.79E-49	-0.507	0.034	0.349	1.19E-44	3
Apobec1	5.01E-49	-0.889	0.038	0.349	1.25E-44	3
Epsti1	5.06E-49	-0.732	0.026	0.332	1.26E-44	3
Arhgap17	5.24E-49	-0.642	0.034	0.347	1.30E-44	3
Tmbim1	5.32E-49	-0.603	0.021	0.322	1.32E-44	3
Cetn3	5.48E-49	-0.490	0.017	0.317	1.36E-44	3
Ndufa7	5.89E-49	-0.342	0.118	0.506	1.46E-44	3
Ube2f	6.06E-49	-0.478	0.051	0.38	1.51E-44	3
Poldip3	7.47E-49	-0.525	0.067	0.407	1.86E-44	3
Akap8	8.67E-49	-0.638	0.022	0.325	2.15E-44	3
Rap2a	8.93E-49	-0.711	0.043	0.36	2.22E-44	3
Tmed3	9.10E-49	-0.550	0.003	0.289	2.26E-44	3
B4galnt1	9.23E-49	-0.702	0.032	0.342	2.29E-44	3
Sltm	9.30E-49	-0.567	0.103	0.468	2.31E-44	3
Epb41	9.57E-49	-0.741	0.012	0.305	2.38E-44	3
Nup153	9.63E-49	-0.573	0.026	0.331	2.39E-44	3
Rab11a	9.89E-49	-0.527	0.138	0.531	2.46E-44	3
2610001J05Rik	1.18E-48	-0.545	0.022	0.323	2.92E-44	3
Pon2	1.18E-48	-0.632	0.014	0.307	2.92E-44	3
Ubp1	1.21E-48	-0.594	0.065	0.402	3.00E-44	3

Mapk3	1.31E-48	-0.586	0.053	0.38	3.25E-44	3
Crkl	1.37E-48	-0.528	0.048	0.372	3.41E-44	3
Hsd17b11	1.48E-48	-0.555	0.062	0.397	3.68E-44	3
Lmo4	1.60E-48	-0.666	0.108	0.472	3.98E-44	3
Gm9493	1.83E-48	-0.516	0.022	0.324	4.53E-44	3
Scamp2	1.87E-48	-0.499	0.074	0.418	4.65E-44	3
Birc6	1.97E-48	-0.446	0.109	0.476	4.88E-44	3
Pdhb	2.11E-48	-0.568	0.043	0.362	5.25E-44	3
Ifi207	2.25E-48	-0.783	0.162	0.538	5.60E-44	3
Rbm22	2.77E-48	-0.497	0.032	0.344	6.88E-44	3
Rgl1	3.08E-48	-0.883	0.06	0.384	7.66E-44	3
Wbp11	3.37E-48	-0.431	0.07	0.414	8.37E-44	3
Jtb	3.48E-48	-0.479	0.043	0.362	8.63E-44	3
Zwint	3.64E-48	-0.629	0.021	0.318	9.05E-44	3
Gak	3.75E-48	-0.564	0.046	0.366	9.31E-44	3
Ddx46	3.95E-48	-0.581	0.043	0.358	9.82E-44	3
2310022A10Rik	4.63E-48	-0.721	0.031	0.335	1.15E-43	3
Nrros	4.72E-48	-0.665	0.137	0.514	1.17E-43	3
Nr3c1	4.75E-48	-0.891	0.08	0.416	1.18E-43	3
Pura	4.87E-48	-0.593	0.032	0.34	1.21E-43	3
Pdha1	5.17E-48	-0.554	0.022	0.321	1.28E-43	3
Entpd7	5.29E-48	-0.733	0.019	0.313	1.32E-43	3
Bcas2	6.09E-48	-0.491	0.039	0.354	1.51E-43	3
Rock2	6.17E-48	-0.443	0.072	0.413	1.53E-43	3
Fkbp4	7.39E-48	-0.606	0.007	0.291	1.83E-43	3
C1qa	8.41E-48	-2.094	0.021	0.306	2.09E-43	3
Zcrb1	9.88E-48	-0.521	0.043	0.359	2.45E-43	3
Vps29	1.09E-47	-0.391	0.048	0.37	2.71E-43	3
Ensa	1.15E-47	-0.349	0.084	0.437	2.85E-43	3
Ykt6	1.19E-47	-0.545	0.036	0.345	2.95E-43	3
Mier1	1.24E-47	-0.546	0.087	0.436	3.09E-43	3
Rsb1	1.26E-47	-0.826	0.026	0.324	3.12E-43	3
Actr1a	1.39E-47	-0.549	0.017	0.309	3.46E-43	3
Mycbp2	1.50E-47	-0.586	0.07	0.406	3.72E-43	3
Zfp36	1.51E-47	1.420	0.856	0.837	3.75E-43	3
Uso1	1.56E-47	-0.438	0.05	0.371	3.88E-43	3
Tmco1	1.61E-47	-0.486	0.015	0.307	4.00E-43	3
Fyb	1.64E-47	-0.597	0.27	0.692	4.08E-43	3
Sf3b3	1.64E-47	-0.595	0.021	0.315	4.08E-43	3
Tnfrsf26	1.67E-47	1.241	0.25	0.081	4.15E-43	3
Ptafr	1.68E-47	1.449	0.651	0.529	4.17E-43	3
App1	1.86E-47	-0.767	0.014	0.301	4.62E-43	3
Smpd3a	2.12E-47	-0.793	0.032	0.333	5.26E-43	3
Ss18	2.20E-47	-0.696	0.031	0.333	5.47E-43	3
Vcpip1	2.31E-47	-0.466	0.068	0.404	5.73E-43	3
Kpna3	2.53E-47	-0.549	0.022	0.319	6.29E-43	3

Rad21	2.56E-47	-0.568	0.092	0.439	6.35E-43	3
Strap	2.59E-47	-0.405	0.082	0.431	6.43E-43	3
Uhmk1	2.62E-47	-0.580	0.017	0.308	6.50E-43	3
Pbrm1	3.00E-47	-0.560	0.056	0.382	7.45E-43	3
Npm3	4.68E-47	-0.568	0.027	0.326	1.16E-42	3
Utp3	4.90E-47	-0.410	0.072	0.408	1.22E-42	3
Acsl4	5.32E-47	-0.534	0.05	0.367	1.32E-42	3
Uqcrc1	5.69E-47	-0.552	0.01	0.293	1.41E-42	3
Anpep	6.59E-47	-0.944	0.009	0.288	1.64E-42	3
Comt	6.64E-47	-0.636	0.015	0.303	1.65E-42	3
Smarca4	6.68E-47	-0.540	0.024	0.319	1.66E-42	3
CAAA01118383.1	6.77E-47	-0.564	0.019	0.309	1.68E-42	3
Qrich1	7.42E-47	-0.457	0.07	0.405	1.84E-42	3
Foxo1	7.74E-47	-0.938	0.009	0.288	1.92E-42	3
Mkln1	8.42E-47	-0.608	0.034	0.337	2.09E-42	3
Ssr3	8.43E-47	-0.529	0.26	0.691	2.09E-42	3
Slc25a11	8.80E-47	-0.477	0.015	0.303	2.19E-42	3
Pcgf5	9.41E-47	-0.711	0.048	0.358	2.34E-42	3
Ergic3	9.43E-47	-0.498	0.009	0.289	2.34E-42	3
Pfdn5	1.01E-46	-0.353	0.149	0.549	2.50E-42	3
9-Sep	1.01E-46	-0.557	0.009	0.289	2.52E-42	3
Ptpn1	1.16E-46	-0.470	0.173	0.575	2.89E-42	3
Bag1	1.19E-46	-0.441	0.041	0.352	2.95E-42	3
Mdh2	1.28E-46	-0.456	0.05	0.366	3.18E-42	3
9530068E07Rik	1.33E-46	-0.382	0.043	0.355	3.30E-42	3
Arf4	1.47E-46	-0.693	0.33	0.763	3.66E-42	3
Pltp	1.54E-46	-1.421	0.022	0.307	3.83E-42	3
Cr11	1.55E-46	-0.433	0.063	0.391	3.85E-42	3
Ap1g1	1.59E-46	-0.470	0.068	0.4	3.95E-42	3
Cfdp1	1.70E-46	-0.476	0.019	0.308	4.23E-42	3
Plekha2	1.73E-46	-0.752	0.05	0.36	4.30E-42	3
Mrps33	1.76E-46	-0.426	0.027	0.325	4.36E-42	3
Cab39	1.77E-46	-0.406	0.135	0.519	4.40E-42	3
Casp3	1.83E-46	-0.696	0.08	0.412	4.56E-42	3
Foxn3	1.86E-46	-0.600	0.06	0.38	4.63E-42	3
Ppp1r12a	1.87E-46	-0.436	0.186	0.594	4.63E-42	3
Bub3	2.02E-46	-0.542	0.022	0.314	5.02E-42	3
Polr1c	2.18E-46	-0.539	0.019	0.307	5.41E-42	3
Tpp2	2.19E-46	-0.449	0.15	0.541	5.44E-42	3
Cd52	2.24E-46	-0.779	0.583	0.862	5.57E-42	3
Cops8	2.31E-46	-0.462	0.029	0.327	5.75E-42	3
Usp15	2.41E-46	-0.466	0.038	0.343	5.98E-42	3
Eif3g	2.44E-46	-0.457	0.032	0.334	6.06E-42	3
Sfpq	2.51E-46	-0.670	0.41	0.845	6.23E-42	3
Cdc42se2	2.59E-46	-0.481	0.05	0.364	6.42E-42	3
Ccng1	2.66E-46	-0.576	0.036	0.338	6.61E-42	3



Kif2a	2.78E-46	-0.547	0.017	0.303	6.89E-42	3
Sik1	2.80E-46	-0.669	0.272	0.696	6.97E-42	3
Lamtor4	2.90E-46	-0.518	0.022	0.313	7.21E-42	3
Ecm1	3.15E-46	-0.818	0.026	0.318	7.81E-42	3
Ufc1	3.56E-46	-0.434	0.017	0.303	8.84E-42	3
Ccnk	3.65E-46	-0.362	0.097	0.454	9.07E-42	3
Kat7	3.69E-46	-0.527	0.01	0.29	9.15E-42	3
Higd2a	3.73E-46	-0.352	0.06	0.385	9.26E-42	3
Spg21	3.88E-46	-0.410	0.072	0.408	9.64E-42	3
Sugt1	4.24E-46	-0.443	0.121	0.489	1.05E-41	3
Chchd3	4.44E-46	-0.473	0.009	0.286	1.10E-41	3
Nckap11	5.08E-46	-0.411	0.101	0.458	1.26E-41	3
Ppp3cb	5.42E-46	-0.593	0.01	0.288	1.35E-41	3
Fbxo11	5.56E-46	-0.523	0.097	0.448	1.38E-41	3
Ralbp1	5.57E-46	-0.495	0.038	0.34	1.38E-41	3
Cd33	5.75E-46	1.579	0.335	0.15	1.43E-41	3
Dnmt3a	5.81E-46	-0.817	0.012	0.291	1.44E-41	3
Ncl	6.17E-46	-0.545	0.47	0.883	1.53E-41	3
Slc7a8	6.27E-46	-0.840	0.043	0.346	1.56E-41	3
Ubr2	6.45E-46	-0.602	0.041	0.346	1.60E-41	3
Hexim1	6.49E-46	1.366	0.718	0.714	1.61E-41	3
Gabarap	6.57E-46	0.795	0.86	0.849	1.63E-41	3
U2surp	6.65E-46	-0.381	0.089	0.433	1.65E-41	3
Phf3	6.66E-46	-0.460	0.103	0.457	1.65E-41	3
Ms4a7	6.81E-46	-1.690	0.003	0.274	1.69E-41	3
Tmx1	7.90E-46	-0.493	0.021	0.308	1.96E-41	3
Ass1	8.22E-46	-0.881	0.005	0.276	2.04E-41	3
Ube2e3	9.33E-46	-0.561	0.044	0.351	2.32E-41	3
Klhl9	1.07E-45	-0.498	0.043	0.349	2.66E-41	3
Uchl5	1.11E-45	-0.493	0.029	0.324	2.76E-41	3
Dock8	1.12E-45	-0.575	0.021	0.307	2.79E-41	3
Stip1	1.18E-45	-0.476	0.029	0.324	2.93E-41	3
Plec	1.22E-45	-0.648	0.099	0.442	3.04E-41	3
Ap3d1	1.26E-45	-0.431	0.08	0.419	3.12E-41	3
Rad23a	1.26E-45	-0.474	0.024	0.314	3.12E-41	3
Pan3	1.27E-45	-0.570	0.082	0.417	3.15E-41	3
Ctcf	1.29E-45	-0.529	0.056	0.374	3.21E-41	3
Crk	1.35E-45	-0.368	0.063	0.387	3.36E-41	3
Rnf7	1.46E-45	-0.346	0.08	0.421	3.64E-41	3
Tnfsf12	1.49E-45	-0.655	0.005	0.276	3.71E-41	3
Prr13	1.52E-45	-0.362	0.191	0.604	3.78E-41	3
Nans	1.52E-45	-0.546	0.002	0.27	3.78E-41	3
Apaf1	1.65E-45	-0.615	0.027	0.318	4.11E-41	3
Smc1a	1.70E-45	-0.542	0.039	0.341	4.22E-41	3
Atxn7l3b	1.73E-45	-0.524	0.043	0.348	4.30E-41	3
Ccdc59	1.75E-45	-0.468	0.051	0.365	4.34E-41	3

Rrp1	1.91E-45	-0.462	0.065	0.389	4.74E-41	3
Park7	1.96E-45	-0.496	0.009	0.283	4.86E-41	3
Tmpo	2.02E-45	-0.707	0.032	0.325	5.02E-41	3
Uap1	2.03E-45	-0.682	0.055	0.368	5.04E-41	3
Fgl2	2.03E-45	-0.706	0.108	0.45	5.04E-41	3
Trim25	2.09E-45	-0.668	0.239	0.636	5.19E-41	3
Resf1	2.16E-45	1.740	0.617	0.508	5.36E-41	3
Anxa7	2.20E-45	-0.496	0.039	0.341	5.46E-41	3
Tomm20	2.23E-45	-0.441	0.215	0.647	5.53E-41	3
Colgalt1	2.34E-45	-0.466	0.027	0.32	5.82E-41	3
Prkacb	2.41E-45	-0.576	0.015	0.296	5.98E-41	3
Metrnl	2.47E-45	-0.605	0.121	0.475	6.14E-41	3
Brix1	2.48E-45	-0.521	0.027	0.318	6.17E-41	3
Fem1b	2.50E-45	-0.686	0.012	0.289	6.21E-41	3
Nsf	2.53E-45	-0.552	0.027	0.318	6.30E-41	3
Chmp1a	2.74E-45	-0.478	0.021	0.305	6.79E-41	3
Ndufs2	2.90E-45	-0.524	0.01	0.285	7.20E-41	3
Trappc21	2.96E-45	-0.421	0.027	0.319	7.34E-41	3
Pak1ip1	3.01E-45	-0.411	0.067	0.394	7.48E-41	3
Hat1	3.27E-45	-0.536	0.01	0.286	8.12E-41	3
Ndufa9	3.46E-45	-0.431	0.014	0.292	8.60E-41	3
Ccn11	3.50E-45	1.032	0.786	0.824	8.70E-41	3
Zmiz2	3.96E-45	-0.611	0.005	0.274	9.84E-41	3
Taf10	4.21E-45	-0.444	0.039	0.341	1.05E-40	3
Polr2k	4.34E-45	-0.415	0.029	0.322	1.08E-40	3
Hadhb	5.09E-45	-0.543	0.01	0.284	1.26E-40	3
Nrbp1	5.17E-45	-0.476	0.089	0.427	1.28E-40	3
Elk3	5.28E-45	-0.600	0.017	0.296	1.31E-40	3
Tmed7	5.46E-45	-0.368	0.091	0.437	1.36E-40	3
Puf60	5.88E-45	-0.446	0.096	0.441	1.46E-40	3
Spata2	5.97E-45	-0.559	0.01	0.284	1.48E-40	3
Idh3g	6.00E-45	-0.455	0.017	0.297	1.49E-40	3
Srrm2	6.12E-45	-0.584	0.338	0.79	1.52E-40	3
Smardc2	6.40E-45	-0.525	0.031	0.323	1.59E-40	3
Abhd17b	6.66E-45	-0.574	0.024	0.309	1.66E-40	3
Myh9	7.15E-45	-0.574	0.279	0.708	1.78E-40	3
Aftph	7.32E-45	-0.513	0.043	0.344	1.82E-40	3
Larp4b	8.69E-45	-0.307	0.137	0.516	2.16E-40	3
St8sia4	8.97E-45	-0.732	0.036	0.33	2.23E-40	3
Rnf130	9.06E-45	-0.521	0.104	0.452	2.25E-40	3
Cbx1	9.45E-45	-0.482	0.026	0.314	2.35E-40	3
Psen2	9.62E-45	-0.550	0.053	0.362	2.39E-40	3
Ccdc47	9.84E-45	-0.516	0.014	0.289	2.44E-40	3
Prpf8	1.03E-44	-0.456	0.087	0.425	2.56E-40	3
Hnrnpa0	1.04E-44	-0.455	0.27	0.72	2.58E-40	3
Srsf4	1.14E-44	-0.537	0.041	0.34	2.82E-40	3

Mia3	1.15E-44	-0.427	0.058	0.373	2.86E-40	3
Odc1	1.20E-44	-0.979	0.338	0.719	2.99E-40	3
Cuta	1.31E-44	-0.466	0.014	0.289	3.27E-40	3
Fkbp8	1.33E-44	-0.474	0.053	0.363	3.30E-40	3
Maea	1.33E-44	-0.457	0.041	0.341	3.31E-40	3
Fbxw11	1.37E-44	-0.448	0.044	0.347	3.40E-40	3
Mdfic	1.41E-44	-0.560	0.029	0.318	3.50E-40	3
Ift20	1.43E-44	-0.406	0.039	0.337	3.54E-40	3
Git1	1.44E-44	-0.625	0.01	0.281	3.58E-40	3
Mthfd2	1.48E-44	-0.602	0.014	0.289	3.67E-40	3
Mydgf	1.52E-44	-0.473	0.015	0.292	3.79E-40	3
Pole4	1.66E-44	-0.496	0.031	0.321	4.12E-40	3
Apobec3	1.67E-44	-0.681	0.01	0.282	4.15E-40	3
Bzw2	1.69E-44	-0.691	0.005	0.271	4.20E-40	3
Ncor2	1.83E-44	-0.523	0.022	0.304	4.54E-40	3
Myo5a	1.87E-44	-0.460	0.058	0.372	4.65E-40	3
Kctd12	1.97E-44	1.604	0.667	0.594	4.90E-40	3
Ndufs4	2.04E-44	-0.474	0.009	0.278	5.08E-40	3
Pin4	2.06E-44	-0.458	0.017	0.295	5.12E-40	3
Hnrnpf	2.18E-44	-0.516	0.325	0.766	5.41E-40	3
Ripk1	2.23E-44	-0.380	0.084	0.417	5.54E-40	3
Fbl	2.52E-44	-0.521	0.022	0.305	6.27E-40	3
Fbxo33	2.72E-44	-0.429	0.082	0.413	6.75E-40	3
Tmem131	3.09E-44	-0.612	0.026	0.31	7.68E-40	3
Sec63	3.31E-44	-0.286	0.058	0.374	8.21E-40	3
Tiam1	3.38E-44	-0.767	0.007	0.273	8.39E-40	3
Tmem50b	3.55E-44	-0.533	0.022	0.302	8.82E-40	3
Vma21	3.63E-44	-0.481	0.005	0.27	9.01E-40	3
Acp1	3.71E-44	-0.438	0.014	0.287	9.22E-40	3
Arhgef1	3.86E-44	-0.653	0.055	0.359	9.59E-40	3
Igsf8	4.07E-44	-0.567	0.007	0.273	1.01E-39	3
Dennd4a	4.14E-44	-0.687	0.185	0.56	1.03E-39	3
Yipf3	4.29E-44	-0.558	0.012	0.283	1.07E-39	3
Hcfc1r1	4.31E-44	-0.479	0.043	0.342	1.07E-39	3
Havcr2	4.33E-44	-0.618	0.055	0.361	1.08E-39	3
Idh3b	4.61E-44	-0.469	0.015	0.289	1.14E-39	3
Degs1	4.94E-44	-0.362	0.125	0.493	1.23E-39	3
Ehmt2	4.95E-44	-0.536	0.002	0.263	1.23E-39	3
Cttnbp2nl	4.97E-44	-0.559	0.003	0.266	1.24E-39	3
Ext1	5.08E-44	-0.647	0.015	0.288	1.26E-39	3
Kmt2a	5.12E-44	-0.776	0.027	0.31	1.27E-39	3
Ccdc12	5.22E-44	-0.462	0.05	0.354	1.30E-39	3
Snx17	5.24E-44	-0.477	0.007	0.273	1.30E-39	3
Hdac1	5.27E-44	-0.499	0.048	0.349	1.31E-39	3
Il21r	5.38E-44	-1.062	0.007	0.271	1.34E-39	3
Kat6a	6.01E-44	-0.571	0.053	0.356	1.49E-39	3

Ehbp111	6.06E-44	-0.647	0.048	0.347	1.51E-39	3
Vapb	6.81E-44	-0.464	0.048	0.35	1.69E-39	3
Fytd1	6.92E-44	-0.538	0.015	0.289	1.72E-39	3
Rab12	7.09E-44	-0.604	0.009	0.274	1.76E-39	3
Zcchc9	7.53E-44	-0.481	0.021	0.299	1.87E-39	3
Paxbp1	7.61E-44	-0.848	0.058	0.363	1.89E-39	3
Copg1	7.71E-44	-0.456	0.022	0.302	1.92E-39	3
BC031181	7.76E-44	-0.335	0.085	0.422	1.93E-39	3
Polr2g	7.82E-44	-0.397	0.036	0.329	1.94E-39	3
Cnot6l	8.01E-44	-0.580	0.06	0.369	1.99E-39	3
Sbno2	8.57E-44	-0.617	0.101	0.437	2.13E-39	3
Akirin2	1.17E-43	-0.510	0.024	0.303	2.90E-39	3
Srpk1	1.21E-43	-0.670	0.021	0.297	3.01E-39	3
Trappc1	1.24E-43	-0.395	0.026	0.307	3.07E-39	3
Smap2	1.26E-43	-0.351	0.099	0.442	3.13E-39	3
Actl6a	1.30E-43	-0.545	0.003	0.264	3.24E-39	3
Zfp207	1.32E-43	-0.470	0.14	0.512	3.28E-39	3
Tspan13	1.38E-43	-0.790	0.103	0.432	3.44E-39	3
Mlec	1.42E-43	-0.541	0.01	0.277	3.53E-39	3
Tuba1a	1.46E-43	-0.631	0.077	0.396	3.62E-39	3
Irak2	1.49E-43	1.520	0.574	0.46	3.70E-39	3
Sdf2	1.54E-43	-0.470	0.031	0.316	3.83E-39	3
Aldh2	1.56E-43	-0.549	0.06	0.368	3.88E-39	3
Rammet	1.71E-43	-0.402	0.067	0.383	4.25E-39	3
Cd2ap	1.74E-43	-0.598	0.003	0.263	4.33E-39	3
Gm10036	1.74E-43	-0.425	0.017	0.29	4.33E-39	3
Prkar2a	1.79E-43	-0.556	0.017	0.289	4.44E-39	3
Tmem65	1.79E-43	-0.566	0.029	0.312	4.45E-39	3
Larp7	1.84E-43	-0.634	0.014	0.282	4.58E-39	3
Fkbp3	1.85E-43	-0.543	0.017	0.289	4.60E-39	3
Pias1	2.00E-43	-0.516	0.06	0.368	4.96E-39	3
2-Mar	2.00E-43	-0.482	0.005	0.266	4.98E-39	3
Tnpo3	2.01E-43	-0.497	0.024	0.303	5.00E-39	3
Lta4h	2.07E-43	-0.520	0.021	0.296	5.14E-39	3
Usp47	2.13E-43	-0.543	0.022	0.298	5.29E-39	3
Myo1e	2.13E-43	-0.686	0.003	0.262	5.30E-39	3
Dynll2	2.18E-43	-0.544	0.024	0.302	5.43E-39	3
Mrpl9	2.19E-43	-0.505	0.012	0.28	5.44E-39	3
Rer1	2.22E-43	-0.356	0.074	0.396	5.52E-39	3
Arl8a	2.38E-43	-0.408	0.097	0.437	5.92E-39	3
Psmb9	2.51E-43	-0.545	0.014	0.282	6.25E-39	3
Akt2	2.58E-43	-0.401	0.072	0.39	6.41E-39	3
Rps6kb1	2.72E-43	-0.529	0.051	0.354	6.75E-39	3
Selenos	2.77E-43	-0.321	0.092	0.429	6.88E-39	3
Nudt4	3.24E-43	1.591	0.395	0.212	8.05E-39	3
Rab11b	3.41E-43	-0.347	0.106	0.455	8.46E-39	3

Ptp4a1	3.67E-43	1.221	0.73	0.772	9.13E-39	3
Ccar1	3.69E-43	-0.405	0.082	0.409	9.16E-39	3
Pik3cd	4.25E-43	-0.647	0.031	0.312	1.06E-38	3
Rassf2	4.34E-43	-0.599	0.021	0.294	1.08E-38	3
Hspa1b	4.39E-43	0.331	0.251	0.626	1.09E-38	3
Adam10	4.92E-43	-0.463	0.022	0.298	1.22E-38	3
Map7d1	5.12E-43	-0.387	0.162	0.547	1.27E-38	3
Dennd5a	5.60E-43	-0.544	0.07	0.382	1.39E-38	3
Shc1	5.73E-43	-0.473	0.026	0.304	1.42E-38	3
Tpm1	6.01E-43	-0.642	0.003	0.261	1.49E-38	3
Dusp11	7.37E-43	-0.370	0.19	0.593	1.83E-38	3
Idi1	8.75E-43	-0.894	0.007	0.265	2.17E-38	3
Cisd2	8.98E-43	-0.407	0.103	0.443	2.23E-38	3
Nptn	1.01E-42	-0.391	0.157	0.54	2.51E-38	3
Nrip1	1.02E-42	-0.878	0.009	0.269	2.54E-38	3
Add1	1.05E-42	-0.463	0.029	0.309	2.60E-38	3
Psm3	1.06E-42	-0.441	0.021	0.293	2.64E-38	3
Dazap1	1.07E-42	-0.393	0.05	0.348	2.65E-38	3
Mpc2	1.09E-42	-0.400	0.046	0.341	2.70E-38	3
Btbd1	1.16E-42	-0.419	0.048	0.345	2.88E-38	3
Hnrnpdl	1.24E-42	-0.406	0.238	0.664	3.09E-38	3
Dse	1.29E-42	-0.558	0.002	0.256	3.20E-38	3
Ap2a2	1.29E-42	-0.497	0.024	0.299	3.21E-38	3
Morf4l2	1.38E-42	-0.341	0.197	0.602	3.43E-38	3
Prrc2b	1.38E-42	-0.662	0.029	0.306	3.44E-38	3
Zmynd11	1.59E-42	-0.527	0.044	0.335	3.95E-38	3
Tmem173	1.65E-42	-0.547	0.007	0.265	4.11E-38	3
Mrps14	1.69E-42	-0.425	0.019	0.289	4.20E-38	3
Asna1	1.78E-42	-0.348	0.055	0.358	4.42E-38	3
Top2b	1.94E-42	-0.566	0.019	0.288	4.81E-38	3
Sestd1	2.04E-42	-0.538	0.01	0.272	5.06E-38	3
Mpp6	2.06E-42	-0.531	0.019	0.288	5.13E-38	3
Rnf6	2.18E-42	-0.463	0.046	0.339	5.42E-38	3
Clptm1	2.22E-42	-0.439	0.036	0.32	5.52E-38	3
Mrpl23	2.30E-42	-0.439	0.009	0.268	5.70E-38	3
Coq10b	2.33E-42	-0.426	0.142	0.507	5.79E-38	3
Pfdn2	2.35E-42	-0.408	0.072	0.387	5.84E-38	3
Plaa	2.58E-42	-0.493	0.029	0.307	6.41E-38	3
Rap1gds1	2.63E-42	-0.522	0.017	0.284	6.53E-38	3
Clcn4	2.71E-42	-0.562	0.074	0.386	6.72E-38	3
Glx5	2.80E-42	-0.481	0.026	0.3	6.96E-38	3
Gabarapl1	2.88E-42	-0.392	0.055	0.354	7.14E-38	3
Zfr	3.04E-42	-0.398	0.072	0.386	7.56E-38	3
Zc3h13	3.09E-42	-0.622	0.022	0.293	7.68E-38	3
Ndufs6	3.35E-42	-0.416	0.024	0.297	8.32E-38	3
Ppid	3.46E-42	-0.574	0.031	0.309	8.60E-38	3

Syf2	3.54E-42	-0.355	0.193	0.596	8.79E-38	3
Tex261	3.56E-42	-0.465	0.029	0.306	8.85E-38	3
F13a1	3.61E-42	-1.484	0.026	0.292	8.96E-38	3
Polr2j	3.64E-42	-0.523	0.002	0.253	9.04E-38	3
Slc39a1	3.74E-42	-0.337	0.103	0.445	9.30E-38	3
Clec12a	3.80E-42	-0.697	0.024	0.293	9.43E-38	3
Dda1	3.90E-42	-0.422	0.019	0.287	9.68E-38	3
Cnpy3	3.91E-42	-0.401	0.039	0.326	9.72E-38	3
Bfar	4.38E-42	-0.500	0.017	0.284	1.09E-37	3
Leprotl1	4.59E-42	-0.402	0.085	0.408	1.14E-37	3
Pf4	4.95E-42	-2.026	0.009	0.263	1.23E-37	3
Pno1	5.00E-42	-0.450	0.017	0.284	1.24E-37	3
Kansl1	5.08E-42	-0.446	0.087	0.41	1.26E-37	3
Emg1	5.28E-42	-0.460	0.017	0.283	1.31E-37	3
Dstn	6.01E-42	-0.446	0.123	0.47	1.49E-37	3
Ccl2	6.10E-42	-1.159	0.063	0.354	1.51E-37	3
Capza2	6.25E-42	-0.509	0.272	0.699	1.55E-37	3
Pigt	6.26E-42	-0.437	0.012	0.272	1.56E-37	3
Plxnb2	6.54E-42	-0.534	0.007	0.262	1.62E-37	3
Ramp3	6.83E-42	-1.268	0.012	0.269	1.70E-37	3
Rbm47	7.15E-42	-0.569	0.091	0.412	1.78E-37	3
Amfr	7.32E-42	-0.468	0.031	0.308	1.82E-37	3
Fgd3	7.65E-42	1.606	0.333	0.155	1.90E-37	3
Mtss1	8.64E-42	-0.694	0.009	0.265	2.15E-37	3
Hs6st1	9.53E-42	-0.585	0.005	0.257	2.37E-37	3
Aurkaip1	1.03E-41	-0.407	0.048	0.339	2.56E-37	3
Pafah1b2	1.08E-41	-0.416	0.026	0.297	2.68E-37	3
Fli1	1.20E-41	-0.552	0.027	0.299	2.99E-37	3
Bola2	1.24E-41	-0.463	0.005	0.257	3.07E-37	3
Trafd1	1.27E-41	-0.450	0.063	0.366	3.14E-37	3
Slc16a1	1.27E-41	-0.612	0.017	0.281	3.16E-37	3
Pabpc4	1.39E-41	-0.553	0.015	0.277	3.45E-37	3
Stard3nl	1.50E-41	-0.408	0.015	0.277	3.73E-37	3
Cited2	1.56E-41	1.738	0.607	0.505	3.86E-37	3
Ppp1r15b	1.61E-41	-0.407	0.156	0.525	4.00E-37	3
Cxxc1	1.64E-41	-0.479	0.038	0.319	4.08E-37	3
Cyth4	1.68E-41	-0.437	0.161	0.532	4.18E-37	3
Gars	1.70E-41	-0.492	0.014	0.274	4.21E-37	3
Nipbl	1.79E-41	-0.385	0.145	0.506	4.45E-37	3
Ptpa	1.90E-41	-0.485	0.015	0.277	4.73E-37	3
Senp3	2.38E-41	-0.440	0.019	0.284	5.92E-37	3
Map4	2.41E-41	-0.507	0.029	0.302	5.99E-37	3
Arid4a	2.45E-41	-0.556	0.079	0.389	6.10E-37	3
Ssbp3	2.74E-41	-0.600	0.019	0.281	6.81E-37	3
Ctdsp1	2.75E-41	-0.471	0.048	0.336	6.83E-37	3
Tlk1	2.78E-41	-0.481	0.019	0.283	6.90E-37	3

Creld2	2.87E-41	-0.448	0.031	0.305	7.13E-37	3
Rbmx11	2.89E-41	-0.439	0.031	0.305	7.17E-37	3
Asl	2.89E-41	-0.542	0.014	0.273	7.18E-37	3
Rhoa	3.41E-41	-0.539	0.379	0.797	8.48E-37	3
Smarcc2	3.72E-41	-0.485	0.019	0.281	9.25E-37	3
Eloa	3.91E-41	-0.326	0.087	0.41	9.71E-37	3
Bcl10	3.92E-41	-0.363	0.106	0.442	9.73E-37	3
Eif2ak1	3.98E-41	-0.421	0.022	0.288	9.87E-37	3
Btg1	4.22E-41	0.677	0.904	0.927	1.05E-36	3
Fam91a1	4.23E-41	-0.475	0.017	0.279	1.05E-36	3
Dnm11	4.32E-41	-0.487	0.015	0.275	1.07E-36	3
Cope	4.39E-41	-0.365	0.07	0.378	1.09E-36	3
Pfdn1	4.78E-41	-0.414	0.021	0.284	1.19E-36	3
Eps15	4.82E-41	-0.445	0.032	0.307	1.20E-36	3
Ddrk1	4.83E-41	-0.459	0.009	0.262	1.20E-36	3
Fam168b	4.87E-41	-0.342	0.082	0.401	1.21E-36	3
Stxbp3	4.97E-41	-0.535	0.026	0.293	1.23E-36	3
Rnf44	5.04E-41	-0.421	0.048	0.337	1.25E-36	3
Gatad2a	5.09E-41	-0.320	0.137	0.497	1.27E-36	3
Dock2	5.17E-41	-0.428	0.084	0.401	1.28E-36	3
Sav1	5.34E-41	-0.472	0.048	0.335	1.33E-36	3
Uqcr10	5.59E-41	-0.434	0.029	0.301	1.39E-36	3
Anxa1	5.82E-41	-0.518	0.13	0.458	1.45E-36	3
Mets1	5.93E-41	-0.459	0.01	0.264	1.47E-36	3
Phax	6.16E-41	-0.539	0.012	0.267	1.53E-36	3
Nipa2	6.22E-41	-0.375	0.029	0.301	1.54E-36	3
Tgfbr2	6.35E-41	-0.691	0.029	0.297	1.58E-36	3
Psen1	6.45E-41	-0.425	0.128	0.476	1.60E-36	3
Snx30	7.01E-41	-0.542	0.019	0.28	1.74E-36	3
Lin7c	7.07E-41	-0.418	0.05	0.338	1.76E-36	3
Mrps18c	7.23E-41	-0.361	0.021	0.285	1.80E-36	3
Ube2g2	7.34E-41	-0.453	0.029	0.299	1.82E-36	3
Nfyc	7.55E-41	-0.449	0.031	0.302	1.88E-36	3
Chtop	7.77E-41	-0.357	0.087	0.407	1.93E-36	3
Rmnd5a	8.33E-41	-0.480	0.044	0.327	2.07E-36	3
Trim35	8.35E-41	-0.607	0.007	0.256	2.07E-36	3
Tmf1	9.17E-41	-0.347	0.063	0.363	2.28E-36	3
Ap1b1	9.66E-41	-0.497	0.007	0.257	2.40E-36	3
Psm13	1.06E-40	-0.441	0.01	0.263	2.62E-36	3
Lrmp	1.07E-40	-0.559	0.01	0.262	2.66E-36	3
Eif1ad	1.09E-40	-0.529	0.01	0.263	2.72E-36	3
Mapk14	1.15E-40	-0.466	0.01	0.263	2.86E-36	3
Vps36	1.15E-40	-0.468	0.009	0.26	2.86E-36	3
Anp32a	1.23E-40	-0.439	0.222	0.62	3.05E-36	3
Nsfl1c	1.41E-40	-0.457	0.01	0.263	3.51E-36	3
Acot7	1.44E-40	-0.559	0.005	0.252	3.59E-36	3

Ptpn22	1.52E-40	-0.959	0.024	0.285	3.77E-36	3
Tmem219	1.54E-40	-0.410	0.015	0.273	3.84E-36	3
Anapc5	1.78E-40	-0.467	0.009	0.259	4.43E-36	3
Cerk	1.83E-40	-0.635	0.015	0.271	4.54E-36	3
Tcof1	1.83E-40	-0.497	0.022	0.284	4.56E-36	3
Ap1s2	1.95E-40	-0.487	0.041	0.319	4.85E-36	3
Cop1	2.01E-40	-0.462	0.038	0.313	5.00E-36	3
1810037I17Rik	2.09E-40	-0.394	0.183	0.568	5.20E-36	3
Pgap2	2.14E-40	-0.418	0.022	0.285	5.32E-36	3
Fam133b	2.38E-40	-0.509	0.08	0.388	5.91E-36	3
Actr1b	2.40E-40	-0.528	0.012	0.265	5.97E-36	3
Ndufb8	2.44E-40	-0.419	0.009	0.258	6.05E-36	3
Trem2	2.44E-40	-0.983	0.007	0.253	6.05E-36	3
Tpd52	2.44E-40	1.107	0.697	0.634	6.07E-36	3
Fubp1	2.44E-40	-0.424	0.07	0.369	6.07E-36	3
Gmps	2.73E-40	-0.450	0.022	0.283	6.78E-36	3
Capza1	2.81E-40	-0.443	0.244	0.664	6.97E-36	3
Tial1	2.83E-40	-0.416	0.032	0.304	7.04E-36	3
B4galt1	2.94E-40	-0.401	0.149	0.501	7.31E-36	3
Mtch2	2.95E-40	-0.338	0.072	0.379	7.33E-36	3
Ero1l	3.00E-40	1.999	0.571	0.456	7.45E-36	3
Myof	3.11E-40	-0.608	0.009	0.255	7.72E-36	3
Tprgl	3.12E-40	-0.389	0.048	0.332	7.74E-36	3
Cltb	3.51E-40	-0.484	0.009	0.256	8.71E-36	3
Chd3	3.80E-40	-0.682	0.014	0.266	9.45E-36	3
Rpl7l1	4.04E-40	-0.409	0.026	0.291	1.00E-35	3
Smg7	4.05E-40	-0.462	0.056	0.346	1.00E-35	3
Emc10	4.12E-40	-0.438	0.024	0.286	1.02E-35	3
Ccny	4.19E-40	-0.398	0.021	0.279	1.04E-35	3
Ifngr2	4.70E-40	-0.469	0.046	0.327	1.17E-35	3
Fundc2	4.77E-40	-0.343	0.053	0.342	1.19E-35	3
Stam2	4.94E-40	-0.493	0.021	0.279	1.23E-35	3
Tmx3	5.01E-40	-0.444	0.024	0.285	1.24E-35	3
Ywhag	5.05E-40	-0.373	0.195	0.579	1.26E-35	3
Mark2	5.41E-40	-0.412	0.113	0.443	1.34E-35	3
Tapbp	5.50E-40	-0.362	0.205	0.597	1.37E-35	3
Acbd3	5.55E-40	-0.330	0.085	0.4	1.38E-35	3
Chmp2b	5.80E-40	-0.377	0.068	0.368	1.44E-35	3
Clk1	6.12E-40	-0.377	0.282	0.712	1.52E-35	3
Tomm70a	6.62E-40	-0.446	0.021	0.279	1.64E-35	3
Psm6	6.97E-40	-0.406	0.019	0.275	1.73E-35	3
Snap29	7.19E-40	-0.354	0.039	0.315	1.79E-35	3
Vezf1	7.85E-40	-0.525	0.068	0.365	1.95E-35	3
Nfkb1	8.21E-40	-0.499	0.272	0.679	2.04E-35	3
H13	8.51E-40	-0.310	0.118	0.456	2.12E-35	3
Tmem128	9.16E-40	-0.426	0.032	0.301	2.28E-35	3



B230219D22Rik	9.48E-40	-0.490	0.019	0.274	2.36E-35	3
Pmepa1	9.73E-40	-1.013	0.007	0.25	2.42E-35	3
Gyg	1.04E-39	-0.587	0.062	0.351	2.58E-35	3
Ppp1r12c	1.12E-39	-0.419	0.062	0.354	2.79E-35	3
Gpd2	1.14E-39	-0.574	0.044	0.32	2.84E-35	3
Agfg1	1.16E-39	-0.464	0.05	0.331	2.87E-35	3
Retreg1	1.25E-39	1.593	0.393	0.222	3.11E-35	3
Immt	1.27E-39	-0.439	0.009	0.254	3.16E-35	3
Chic2	1.31E-39	-0.395	0.121	0.458	3.26E-35	3
Med1	1.34E-39	-0.458	0.032	0.3	3.32E-35	3
Trappc4	1.36E-39	-0.422	0.01	0.258	3.37E-35	3
Thap12	1.40E-39	-0.635	0.015	0.266	3.47E-35	3
Cox14	1.43E-39	-0.410	0.015	0.268	3.55E-35	3
Nrp2	1.44E-39	-0.708	0.007	0.251	3.57E-35	3
Xpo1	1.44E-39	-0.402	0.034	0.304	3.59E-35	3
2010111I01Rik	1.47E-39	-0.567	0.012	0.26	3.64E-35	3
Was	1.47E-39	-0.396	0.056	0.344	3.66E-35	3
Nup98	1.56E-39	-0.308	0.164	0.533	3.87E-35	3
Maco1	1.68E-39	-0.475	0.022	0.28	4.18E-35	3
Cpsf2	1.74E-39	-0.476	0.015	0.267	4.33E-35	3
Evl	1.79E-39	-0.534	0.012	0.26	4.45E-35	3
Blmh	1.81E-39	-0.481	0.007	0.25	4.50E-35	3
Chd8	1.95E-39	-0.527	0.029	0.291	4.83E-35	3
Hmgn5	2.12E-39	-0.710	0.034	0.3	5.26E-35	3
Slc11a2	2.18E-39	-0.549	0.027	0.288	5.41E-35	3
Smap1	2.25E-39	-0.377	0.046	0.325	5.60E-35	3
Creb1	2.27E-39	-0.535	0.056	0.342	5.64E-35	3
Ppp1r9b	2.36E-39	-0.429	0.07	0.367	5.85E-35	3
Mgat1	2.75E-39	-0.451	0.046	0.323	6.83E-35	3
Retreg3	2.94E-39	-0.505	0.026	0.285	7.31E-35	3
Hspa9	2.97E-39	-0.342	0.116	0.449	7.38E-35	3
Top1	3.04E-39	-0.391	0.32	0.734	7.56E-35	3
Dnttip2	3.08E-39	-0.365	0.084	0.392	7.65E-35	3
Hccs	3.18E-39	-0.495	0.046	0.323	7.91E-35	3
Arl8b	3.20E-39	-0.344	0.183	0.565	7.94E-35	3
Rara	3.21E-39	-0.425	0.072	0.369	7.97E-35	3
Cnih4	3.21E-39	-0.336	0.065	0.361	7.98E-35	3
Dnase2a	3.25E-39	-0.500	0.017	0.269	8.06E-35	3
Tut4	3.29E-39	-0.626	0.039	0.308	8.17E-35	3
Tlk2	3.36E-39	-0.432	0.055	0.338	8.34E-35	3
Polr2f	3.99E-39	-0.375	0.043	0.317	9.90E-35	3
Plekha1	4.09E-39	-0.479	0.009	0.252	1.02E-34	3
Tank	4.13E-39	-0.475	0.06	0.347	1.03E-34	3
Aida	4.21E-39	-0.441	0.027	0.288	1.05E-34	3
Lamtor3	4.21E-39	-0.389	0.062	0.351	1.05E-34	3
Snrpc	4.66E-39	-0.334	0.07	0.368	1.16E-34	3

Mien1	4.78E-39	-0.334	0.046	0.323	1.19E-34	3
Sgms1	5.05E-39	-0.511	0.056	0.339	1.26E-34	3
Gpalpp1	5.21E-39	-0.521	0.009	0.251	1.29E-34	3
Sec61a1	5.70E-39	-0.284	0.101	0.423	1.42E-34	3
Trim27	5.81E-39	-0.430	0.026	0.284	1.44E-34	3
Ccnd2	5.86E-39	-0.875	0.082	0.371	1.46E-34	3
Fam174a	6.40E-39	-0.411	0.027	0.287	1.59E-34	3
Mapre2	6.66E-39	-0.376	0.126	0.464	1.65E-34	3
Hpf1	6.78E-39	-0.435	0.015	0.264	1.68E-34	3
P2rx4	6.90E-39	-0.444	0.026	0.283	1.71E-34	3
Arf2	7.21E-39	-0.437	0.038	0.306	1.79E-34	3
Xiap	7.45E-39	-0.362	0.063	0.354	1.85E-34	3
Ash11	8.03E-39	-0.523	0.058	0.341	1.99E-34	3
Elmo2	8.25E-39	-0.444	0.014	0.26	2.05E-34	3
Plcg2	8.32E-39	-0.507	0.036	0.301	2.07E-34	3
Cand1	8.70E-39	-0.463	0.019	0.27	2.16E-34	3
C3	1.12E-38	1.402	0.301	0.131	2.78E-34	3
Xist	1.16E-38	-0.341	0.405	0.848	2.87E-34	3
Actr10	1.25E-38	-0.334	0.058	0.345	3.10E-34	3
Mtdh	1.36E-38	-0.311	0.162	0.528	3.37E-34	3
Abi1	1.52E-38	-0.349	0.21	0.606	3.77E-34	3
Ubqln2	1.55E-38	-0.453	0.015	0.262	3.85E-34	3
Dctn3	1.73E-38	-0.344	0.021	0.273	4.29E-34	3
Cd36	1.73E-38	-1.473	0.015	0.258	4.31E-34	3
Foxp1	1.75E-38	-0.418	0.126	0.455	4.35E-34	3
Srsf6	1.85E-38	-0.338	0.251	0.668	4.60E-34	3
Prrc2a	1.95E-38	-0.521	0.048	0.321	4.85E-34	3
Lsm14a	1.96E-38	-0.290	0.128	0.469	4.87E-34	3
Golph3	2.29E-38	-0.273	0.145	0.501	5.69E-34	3
Slc39a7	2.34E-38	-0.303	0.079	0.38	5.81E-34	3
Rab22a	2.56E-38	-0.454	0.063	0.348	6.37E-34	3
Ilk	2.79E-38	-0.378	0.021	0.271	6.94E-34	3
5-Mar	2.90E-38	-0.426	0.021	0.271	7.20E-34	3
Grpel1	3.06E-38	-0.372	0.021	0.271	7.60E-34	3
Clk4	3.19E-38	-0.400	0.087	0.39	7.92E-34	3
Il4ra	3.53E-38	-0.426	0.108	0.424	8.77E-34	3
Hmgcs1	3.53E-38	-0.641	0.021	0.268	8.77E-34	3
Ppp2r5e	3.57E-38	-0.460	0.017	0.263	8.87E-34	3
Birc2	4.03E-38	-0.851	0.021	0.267	1.00E-33	3
Gatad1	4.03E-38	-0.334	0.026	0.279	1.00E-33	3
Cops4	4.30E-38	-0.467	0.012	0.252	1.07E-33	3
Swap70	4.96E-38	-0.560	0.041	0.305	1.23E-33	3
Bod11	5.08E-38	-0.663	0.014	0.256	1.26E-33	3
Brd1	5.14E-38	-0.442	0.07	0.359	1.28E-33	3
Ccnt1	5.22E-38	-0.381	0.147	0.494	1.30E-33	3
Anapc11	5.32E-38	-0.359	0.017	0.263	1.32E-33	3

Rora	5.39E-38	-1.609	0.017	0.257	1.34E-33	3
Fnta	5.75E-38	-0.418	0.014	0.256	1.43E-33	3
Thoc7	5.98E-38	-0.403	0.012	0.252	1.48E-33	3
Plac8	5.98E-38	-1.558	0.067	0.332	1.49E-33	3
Gnl2	6.59E-38	-0.459	0.032	0.291	1.64E-33	3
Arrb2	6.92E-38	-0.308	0.099	0.415	1.72E-33	3
Cdc73	7.38E-38	-0.438	0.044	0.314	1.83E-33	3
Morf4l1	8.27E-38	-0.527	0.489	0.846	2.05E-33	3
Dr1	8.49E-38	-0.419	0.015	0.258	2.11E-33	3
Fam104a	8.75E-38	-0.310	0.101	0.417	2.17E-33	3
Sf3b6	8.89E-38	-0.341	0.087	0.391	2.21E-33	3
Hnrnp11	9.22E-38	-0.401	0.087	0.389	2.29E-33	3
Kctd10	9.35E-38	-0.479	0.015	0.257	2.32E-33	3
Add3	9.37E-38	-0.573	0.032	0.288	2.33E-33	3
Atp11b	9.46E-38	-0.684	0.173	0.515	2.35E-33	3
Rsl24d1	9.63E-38	-0.442	0.019	0.264	2.39E-33	3
Nsun2	9.83E-38	-0.394	0.015	0.258	2.44E-33	3
Mark3	1.00E-37	-0.493	0.017	0.261	2.49E-33	3
Reep3	1.02E-37	-0.381	0.145	0.484	2.53E-33	3
Adh5	1.15E-37	-0.429	0.014	0.255	2.86E-33	3
Trpc4ap	1.22E-37	-0.391	0.067	0.352	3.04E-33	3
Cenpx	1.23E-37	-0.432	0.015	0.256	3.05E-33	3
Mvp	1.25E-37	-0.420	0.024	0.273	3.10E-33	3
Usp34	1.34E-37	-0.305	0.113	0.435	3.33E-33	3
Ddx18	1.37E-37	-0.491	0.015	0.256	3.40E-33	3
Rasa1	1.37E-37	-0.523	0.015	0.257	3.41E-33	3
Rfc2	1.47E-37	-0.385	0.022	0.271	3.66E-33	3
Mcm6	1.71E-37	-0.458	0.014	0.253	4.25E-33	3
Supt6	1.80E-37	-0.414	0.06	0.339	4.47E-33	3
Rpf1	1.82E-37	-0.412	0.029	0.282	4.53E-33	3
Dhrs3	1.86E-37	-0.599	0.029	0.282	4.63E-33	3
Impdh2	1.88E-37	-0.391	0.036	0.296	4.68E-33	3
Gtf2h5	2.00E-37	-0.324	0.031	0.286	4.96E-33	3
Twf2	2.06E-37	-0.447	0.017	0.259	5.13E-33	3
Arl2bp	2.20E-37	-0.476	0.036	0.294	5.48E-33	3
Chuk	2.32E-37	-0.336	0.043	0.309	5.75E-33	3
Mknk2	2.39E-37	-0.467	0.342	0.759	5.95E-33	3
Hnrnpa2b1	2.45E-37	-0.573	0.55	0.883	6.09E-33	3
Mfsd5	2.48E-37	-0.394	0.041	0.304	6.16E-33	3
6-Mar	2.74E-37	-0.415	0.051	0.323	6.82E-33	3
Adgre1	2.82E-37	-0.858	0.056	0.322	7.01E-33	3
Ndr1	2.88E-37	-0.570	0.152	0.48	7.15E-33	3
Me2	3.02E-37	-0.456	0.019	0.262	7.51E-33	3
Cep350	3.05E-37	-0.456	0.034	0.291	7.58E-33	3
Aff4	3.22E-37	-0.374	0.121	0.447	8.01E-33	3
Cpne3	3.28E-37	-0.395	0.032	0.288	8.16E-33	3

Pkn2	3.44E-37	-0.413	0.044	0.309	8.54E-33	3
Znhit1	3.47E-37	-0.330	0.06	0.339	8.61E-33	3
Usp48	3.79E-37	-0.460	0.029	0.281	9.41E-33	3
Hspa1a	3.93E-37	0.708	0.267	0.623	9.76E-33	3
Cenpb	4.05E-37	-0.433	0.014	0.251	1.00E-32	3
Tubb6	4.14E-37	-0.343	0.176	0.534	1.03E-32	3
Iqsec1	4.22E-37	1.295	0.335	0.166	1.05E-32	3
Usp16	4.29E-37	-0.286	0.089	0.389	1.07E-32	3
Arhgap30	4.51E-37	-0.388	0.091	0.391	1.12E-32	3
Cdca4	4.61E-37	-0.363	0.039	0.301	1.14E-32	3
Pdxk	5.50E-37	-0.440	0.058	0.332	1.37E-32	3
Use1	5.57E-37	-0.404	0.032	0.287	1.38E-32	3
Tsc22d3	5.62E-37	-0.319	0.126	0.45	1.40E-32	3
Camk2d	5.79E-37	-0.498	0.032	0.286	1.44E-32	3
Tspan31	5.98E-37	-0.345	0.024	0.271	1.48E-32	3
Ythdf3	6.13E-37	-0.369	0.113	0.429	1.52E-32	3
Cul1	6.28E-37	-0.394	0.06	0.336	1.56E-32	3
Prex1	6.33E-37	-0.367	0.068	0.353	1.57E-32	3
Mphosph8	6.34E-37	-0.589	0.014	0.25	1.57E-32	3
Crtc3	6.92E-37	-0.481	0.046	0.31	1.72E-32	3
Tle4	6.96E-37	-0.512	0.08	0.368	1.73E-32	3
Hipk3	6.97E-37	-0.356	0.043	0.306	1.73E-32	3
Ube2l6	7.54E-37	-0.476	0.021	0.263	1.87E-32	3
Stmn1	7.66E-37	-0.929	0.043	0.296	1.90E-32	3
Dcun1d1	7.86E-37	-0.382	0.014	0.251	1.95E-32	3
E2f4	8.93E-37	-0.356	0.021	0.263	2.22E-32	3
Aprt	9.02E-37	-0.291	0.085	0.382	2.24E-32	3
Atf6	9.36E-37	-0.355	0.068	0.352	2.32E-32	3
Spop	9.55E-37	-0.290	0.116	0.439	2.37E-32	3
2410015M20Rik	9.86E-37	-0.316	0.021	0.263	2.45E-32	3
Tmem9b	1.00E-36	-0.343	0.026	0.273	2.49E-32	3
Mxd1	1.03E-36	1.291	0.708	0.692	2.56E-32	3
Fcho2	1.11E-36	-0.378	0.062	0.338	2.76E-32	3
Lnpep	1.11E-36	-0.260	0.15	0.493	2.76E-32	3
Csnk2a1	1.11E-36	-0.347	0.05	0.317	2.77E-32	3
Cdc123	1.13E-36	-0.369	0.022	0.266	2.82E-32	3
Pip5k1a	1.14E-36	-0.399	0.053	0.322	2.84E-32	3
Mapre1	1.16E-36	-0.336	0.253	0.665	2.89E-32	3
Camk1d	1.18E-36	-0.483	0.022	0.266	2.94E-32	3
Rnf13	1.51E-36	-0.300	0.055	0.328	3.76E-32	3
Hmger	1.53E-36	-0.458	0.043	0.302	3.79E-32	3
Tulp4	1.64E-36	-0.375	0.053	0.321	4.08E-32	3
Zfp148	1.77E-36	-0.419	0.027	0.274	4.41E-32	3
Rbbp8	1.82E-36	-0.452	0.067	0.344	4.53E-32	3
Sgta	1.84E-36	-0.304	0.046	0.311	4.56E-32	3
1700020I14Rik	1.86E-36	-0.420	0.029	0.278	4.62E-32	3

Mrpl30	2.06E-36	-0.334	0.019	0.259	5.11E-32	3
Arhgdib	2.35E-36	-0.472	0.328	0.711	5.83E-32	3
Irf5	2.37E-36	-0.474	0.034	0.286	5.88E-32	3
Rgs2	2.49E-36	-0.798	0.393	0.749	6.18E-32	3
Cebpg	2.51E-36	-0.389	0.044	0.305	6.24E-32	3
Kdm5c	2.52E-36	-0.344	0.12	0.437	6.26E-32	3
Yeats4	2.53E-36	-0.266	0.096	0.399	6.29E-32	3
Aup1	2.70E-36	-0.299	0.041	0.301	6.71E-32	3
Phf13	2.83E-36	-0.486	0.021	0.259	7.03E-32	3
Rasgef1b	2.99E-36	-0.751	0.017	0.252	7.42E-32	3
Chmp5	3.00E-36	-0.301	0.085	0.381	7.45E-32	3
Magoh	3.00E-36	-0.336	0.074	0.359	7.45E-32	3
Sbds	3.08E-36	-0.305	0.07	0.353	7.65E-32	3
Srek1	3.10E-36	-0.471	0.065	0.339	7.71E-32	3
Cops5	3.12E-36	-0.373	0.022	0.263	7.75E-32	3
Rbm27	3.18E-36	-0.341	0.072	0.354	7.90E-32	3
Trio	3.21E-36	-0.478	0.019	0.257	7.98E-32	3
Siva1	3.41E-36	-0.433	0.017	0.253	8.46E-32	3
Mob1b	3.55E-36	-0.400	0.036	0.289	8.82E-32	3
Anapc16	3.61E-36	-0.381	0.027	0.273	8.96E-32	3
Ccnd3	3.69E-36	-0.514	0.062	0.333	9.18E-32	3
Mfsd14a	3.83E-36	-0.462	0.024	0.265	9.51E-32	3
Lsm3	3.83E-36	-0.385	0.024	0.267	9.52E-32	3
Ppil4	4.15E-36	-0.486	0.026	0.267	1.03E-31	3
Lamtor2	4.31E-36	-0.347	0.015	0.25	1.07E-31	3
Gmfb	4.36E-36	-0.353	0.055	0.324	1.08E-31	3
Nfic	4.37E-36	-0.407	0.067	0.341	1.09E-31	3
Tmem183a	4.71E-36	-0.384	0.026	0.269	1.17E-31	3
Vmp1	4.73E-36	1.580	0.574	0.527	1.18E-31	3
Iqgap1	4.78E-36	-0.515	0.496	0.875	1.19E-31	3
Sec13	4.80E-36	-0.370	0.019	0.255	1.19E-31	3
Fbxo34	5.13E-36	-0.590	0.038	0.288	1.27E-31	3
Rnpep	5.92E-36	-0.404	0.019	0.255	1.47E-31	3
Cd81	6.97E-36	-0.779	0.026	0.263	1.73E-31	3
Zc3h7a	7.13E-36	-0.273	0.156	0.497	1.77E-31	3
Eaf1	7.19E-36	-0.352	0.109	0.417	1.78E-31	3
Twistnb	8.26E-36	-0.446	0.029	0.274	2.05E-31	3
Qk	9.08E-36	-0.357	0.214	0.592	2.26E-31	3
Crebbp	9.29E-36	-0.303	0.168	0.514	2.31E-31	3
Tmem11	9.74E-36	-0.413	0.017	0.251	2.42E-31	3
Tomm34	9.95E-36	-0.463	0.027	0.27	2.47E-31	3
Upf1	1.01E-35	-0.401	0.06	0.33	2.52E-31	3
Cdk13	1.03E-35	-0.303	0.099	0.401	2.56E-31	3
Ngdn	1.13E-35	-0.443	0.034	0.283	2.80E-31	3
Smchd1	1.22E-35	-0.416	0.079	0.362	3.04E-31	3
Ndfip1	1.23E-35	-0.444	0.06	0.328	3.06E-31	3

Ube2e1	1.24E-35	-0.368	0.022	0.26	3.08E-31	3
Kdm2b	1.40E-35	-0.779	0.026	0.264	3.47E-31	3
Ankrd44	1.40E-35	-0.441	0.053	0.317	3.48E-31	3
Eif1b	1.43E-35	-0.327	0.051	0.313	3.55E-31	3
Phip	1.44E-35	-0.486	0.046	0.302	3.58E-31	3
Renbp	1.48E-35	-0.419	0.026	0.266	3.67E-31	3
Pafah1b1	1.48E-35	-0.361	0.303	0.732	3.69E-31	3
Tpm3-rs7	1.58E-35	-0.356	0.07	0.348	3.93E-31	3
Pgrmc1	1.62E-35	-0.344	0.044	0.301	4.02E-31	3
Ubr4	1.81E-35	-0.331	0.113	0.422	4.50E-31	3
Taok1	1.86E-35	-0.258	0.096	0.392	4.62E-31	3
Clip1	1.98E-35	-0.369	0.053	0.316	4.93E-31	3
Cbll1	2.03E-35	-0.420	0.024	0.261	5.05E-31	3
Usp8	2.07E-35	-0.338	0.048	0.306	5.15E-31	3
Uba5	2.22E-35	-0.356	0.032	0.279	5.50E-31	3
Rps27rt	2.32E-35	-0.435	0.287	0.697	5.77E-31	3
Ubxn1	2.75E-35	-0.259	0.075	0.359	6.83E-31	3
Myadm	2.82E-35	-0.370	0.125	0.437	6.99E-31	3
Derl2	2.91E-35	-0.365	0.021	0.255	7.22E-31	3
Yipf1	3.16E-35	-0.304	0.021	0.255	7.86E-31	3
Ube2h	3.20E-35	-0.341	0.128	0.445	7.96E-31	3
Spi1	3.61E-35	-0.407	0.238	0.599	8.96E-31	3
Cyb5b	3.67E-35	-0.379	0.019	0.251	9.12E-31	3
Lipa	3.73E-35	-0.501	0.087	0.368	9.26E-31	3
Ssbp1	4.07E-35	-0.313	0.026	0.265	1.01E-30	3
Epn1	4.10E-35	-0.292	0.08	0.365	1.02E-30	3
Nudt3	4.23E-35	-0.370	0.022	0.257	1.05E-30	3
Med13	4.68E-35	-0.305	0.157	0.496	1.16E-30	3
Pkn1	4.73E-35	-0.254	0.07	0.347	1.17E-30	3
Mrpl32	4.85E-35	-0.371	0.032	0.276	1.21E-30	3
Mgrn1	5.05E-35	-0.396	0.029	0.27	1.25E-30	3
Pik3r5	6.03E-35	-0.416	0.044	0.298	1.50E-30	3
Dctn2	6.20E-35	-0.324	0.026	0.264	1.54E-30	3
Atp6v0a1	6.23E-35	-0.352	0.026	0.263	1.55E-30	3
Sec22b	6.28E-35	-0.351	0.032	0.275	1.56E-30	3
Ubn2	6.35E-35	-0.418	0.031	0.272	1.58E-30	3
Ikzf1	6.80E-35	-0.521	0.051	0.306	1.69E-30	3
Atad1	7.45E-35	-0.367	0.026	0.262	1.85E-30	3
Wac	7.64E-35	-0.273	0.222	0.6	1.90E-30	3
Otub1	8.21E-35	-0.268	0.039	0.289	2.04E-30	3
Med28	8.48E-35	-0.360	0.039	0.287	2.11E-30	3
Dnajb14	9.29E-35	-0.426	0.022	0.255	2.31E-30	3
Psme4	9.32E-35	-0.396	0.044	0.297	2.32E-30	3
Sem1	9.91E-35	-0.434	0.315	0.732	2.46E-30	3
Nfatc3	1.01E-34	-0.476	0.038	0.283	2.50E-30	3
Kdm6b	1.09E-34	0.980	0.8	0.811	2.70E-30	3

Ubash3b	1.11E-34	-0.431	0.044	0.296	2.76E-30	3
Mrps6	1.20E-34	-0.481	0.039	0.286	2.97E-30	3
Vgl14	1.21E-34	-0.798	0.031	0.266	3.00E-30	3
Hif1a	1.25E-34	-0.337	0.157	0.483	3.11E-30	3
Slbp	1.29E-34	-0.355	0.152	0.48	3.20E-30	3
Riok1	1.29E-34	-0.502	0.021	0.251	3.20E-30	3
Nxf1	1.37E-34	-0.347	0.137	0.46	3.41E-30	3
Memo1	1.49E-34	-0.349	0.022	0.255	3.70E-30	3
Ube2z	1.53E-34	-0.350	0.056	0.317	3.80E-30	3
Lin54	1.69E-34	-0.511	0.027	0.263	4.20E-30	3
Ncor1	1.78E-34	-0.285	0.173	0.518	4.41E-30	3
Nfe211	1.83E-34	-0.359	0.038	0.283	4.56E-30	3
Trps1	1.87E-34	-0.357	0.056	0.317	4.65E-30	3
Pitpna	1.90E-34	-0.447	0.291	0.67	4.73E-30	3
Ddx54	1.96E-34	-0.343	0.043	0.293	4.86E-30	3
Tbc1d10b	2.04E-34	-0.306	0.056	0.318	5.06E-30	3
Yipf5	2.11E-34	-0.359	0.031	0.27	5.24E-30	3
mt-Co2	2.16E-34	-0.341	0.959	0.998	5.37E-30	3
Cpsf6	2.18E-34	-0.378	0.029	0.266	5.41E-30	3
Sde2	2.46E-34	1.450	0.55	0.463	6.10E-30	3
Fam129a	2.63E-34	-0.419	0.044	0.294	6.53E-30	3
Ptpn11	2.68E-34	-0.347	0.036	0.278	6.65E-30	3
Ptprj	2.75E-34	-0.258	0.135	0.457	6.83E-30	3
Syvn1	2.81E-34	-0.273	0.067	0.336	6.97E-30	3
Ifnar1	2.96E-34	-0.408	0.038	0.282	7.35E-30	3
Ppp2r5a	3.06E-34	-0.285	0.101	0.395	7.60E-30	3
Dctn4	3.10E-34	-0.333	0.072	0.343	7.70E-30	3
Ep300	3.32E-34	-0.269	0.161	0.496	8.24E-30	3
Dnajc21	3.61E-34	-0.393	0.027	0.262	8.97E-30	3
Sharpin	3.62E-34	-0.399	0.027	0.262	8.99E-30	3
Gm16286	3.82E-34	-0.285	0.068	0.338	9.50E-30	3
Wdr82	4.11E-34	-0.392	0.029	0.265	1.02E-29	3
Rc3h1	4.36E-34	-0.294	0.115	0.418	1.08E-29	3
Stk11	4.59E-34	-0.394	0.068	0.336	1.14E-29	3
Csde1	4.91E-34	-0.428	0.344	0.764	1.22E-29	3
Cul5	4.92E-34	-0.405	0.027	0.262	1.22E-29	3
Ireb2	4.92E-34	-0.433	0.022	0.251	1.22E-29	3
Rcc2	5.15E-34	-0.401	0.029	0.264	1.28E-29	3
Ankhd1	5.65E-34	-0.381	0.039	0.283	1.40E-29	3
Gps2	6.13E-34	-0.409	0.039	0.283	1.52E-29	3
Hspa14	6.18E-34	-0.377	0.032	0.271	1.54E-29	3
Gtf2f2	6.33E-34	-0.355	0.031	0.267	1.57E-29	3
Tap2	6.56E-34	-0.403	0.05	0.301	1.63E-29	3
Kdm5a	6.63E-34	-0.564	0.039	0.28	1.65E-29	3
Zranb2	6.63E-34	-0.361	0.067	0.333	1.65E-29	3
Ddx50	7.12E-34	-0.359	0.068	0.336	1.77E-29	3

Scd2	8.93E-34	-0.472	0.022	0.25	2.22E-29	3
Tbc1d22a	9.23E-34	-0.309	0.022	0.251	2.29E-29	3
Spag7	9.33E-34	-0.362	0.041	0.285	2.32E-29	3
Stom	9.78E-34	-0.399	0.067	0.33	2.43E-29	3
Sec24c	9.96E-34	-0.370	0.039	0.283	2.47E-29	3
Irf9	1.01E-33	-0.367	0.097	0.383	2.52E-29	3
Tbrg1	1.03E-33	-0.400	0.022	0.25	2.55E-29	3
Arhgef2	1.06E-33	-0.313	0.085	0.364	2.62E-29	3
Wdr26	1.12E-33	-0.315	0.328	0.748	2.78E-29	3
Ppp6r1	1.23E-33	-0.373	0.031	0.266	3.04E-29	3
Vapa	1.27E-33	-0.351	0.262	0.656	3.16E-29	3
Chmp1b	1.34E-33	-0.339	0.044	0.291	3.33E-29	3
Map3k2	1.42E-33	-0.330	0.055	0.309	3.52E-29	3
Plekhj1	1.47E-33	-0.375	0.024	0.252	3.66E-29	3
Ctdsp2	1.52E-33	-0.429	0.029	0.262	3.78E-29	3
Med10	1.54E-33	-0.353	0.024	0.252	3.82E-29	3
Sowahc	1.60E-33	-0.435	0.074	0.339	3.98E-29	3
Zfp800	1.76E-33	-0.441	0.029	0.261	4.37E-29	3
Casc3	1.86E-33	-0.409	0.032	0.267	4.62E-29	3
Gxylt1	1.95E-33	-0.448	0.044	0.289	4.83E-29	3
Ugp2	1.97E-33	-0.326	0.055	0.309	4.90E-29	3
Axin1	2.07E-33	-0.407	0.031	0.264	5.13E-29	3
Med15	2.16E-33	-0.339	0.036	0.274	5.35E-29	3
Suds3	2.20E-33	-0.273	0.043	0.288	5.45E-29	3
Secisbp2l	2.25E-33	-0.341	0.032	0.268	5.60E-29	3
Rabep1	2.46E-33	-0.378	0.034	0.27	6.12E-29	3
Snx3	2.70E-33	-0.436	0.323	0.709	6.71E-29	3
Pnpla8	2.85E-33	-0.431	0.026	0.254	7.07E-29	3
Csnk1g2	2.85E-33	-0.377	0.032	0.267	7.08E-29	3
Gas2l3	3.59E-33	-0.253	0.099	0.385	8.92E-29	3
Rab20	3.78E-33	1.173	0.511	0.382	9.38E-29	3
Sar1b	3.81E-33	-0.276	0.034	0.27	9.46E-29	3
Herpud2	3.98E-33	-0.292	0.062	0.319	9.89E-29	3
Appbp2	3.99E-33	-0.371	0.058	0.312	9.91E-29	3
Agps	4.27E-33	-0.262	0.038	0.277	1.06E-28	3
Taf6l	4.51E-33	-0.281	0.043	0.285	1.12E-28	3
Hnrnph1	4.73E-33	-0.290	0.265	0.659	1.17E-28	3
Usp19	4.78E-33	-0.266	0.08	0.354	1.19E-28	3
Fam193a	4.81E-33	-0.406	0.053	0.302	1.20E-28	3
Fbrsl1	4.85E-33	-0.491	0.036	0.271	1.20E-28	3
Zfp52	4.94E-33	-0.540	0.08	0.347	1.23E-28	3
Atxn7	5.31E-33	-0.675	0.026	0.25	1.32E-28	3
Cnot1	5.51E-33	-0.367	0.07	0.332	1.37E-28	3
Cdipt	6.01E-33	-0.368	0.029	0.258	1.49E-28	3
Ubr5	6.59E-33	-0.302	0.058	0.312	1.64E-28	3
Capg	6.90E-33	-0.599	0.244	0.571	1.71E-28	3



Cntrl	7.16E-33	-0.530	0.032	0.263	1.78E-28	3
Clptm11	7.35E-33	-0.327	0.026	0.252	1.83E-28	3
Srsf1	7.65E-33	-0.297	0.065	0.325	1.90E-28	3
Pbdc1	8.16E-33	-0.301	0.055	0.306	2.03E-28	3
Cdk11b	8.25E-33	-0.380	0.173	0.507	2.05E-28	3
Baiap2	8.31E-33	-0.422	0.051	0.297	2.07E-28	3
Nsd3	8.71E-33	-0.284	0.253	0.637	2.16E-28	3
Fbxo28	8.95E-33	-0.396	0.055	0.303	2.22E-28	3
Ubald1	9.08E-33	-0.353	0.065	0.323	2.26E-28	3
Commd3	9.40E-33	-0.265	0.026	0.252	2.34E-28	3
Ctnnb1	9.41E-33	-0.331	0.265	0.655	2.34E-28	3
Preli3b	9.50E-33	-0.329	0.032	0.264	2.36E-28	3
Zc3h14	1.06E-32	-0.359	0.027	0.254	2.63E-28	3
Msmo1	1.08E-32	-0.301	0.044	0.286	2.69E-28	3
Sf3b5	1.14E-32	-0.262	0.053	0.303	2.82E-28	3
Sdcbp	1.17E-32	0.872	0.81	0.819	2.92E-28	3
Golga4	1.26E-32	-0.282	0.074	0.337	3.13E-28	3
Ppm1a	1.38E-32	-0.267	0.104	0.393	3.42E-28	3
Gtf2a2	1.43E-32	-0.313	0.027	0.254	3.55E-28	3
Mindy2	1.48E-32	-0.357	0.027	0.253	3.66E-28	3
Iqgap2	1.48E-32	-0.340	0.039	0.276	3.68E-28	3
Rsb11	1.53E-32	-0.578	0.029	0.254	3.81E-28	3
Nop14	1.57E-32	-0.356	0.029	0.256	3.90E-28	3
Brpf1	1.68E-32	-0.373	0.038	0.272	4.17E-28	3
Znrf2	1.74E-32	-0.322	0.048	0.291	4.32E-28	3
Tmem43	1.78E-32	-0.392	0.043	0.281	4.41E-28	3
Eif4g2	1.78E-32	-0.384	0.369	0.791	4.42E-28	3
Peli1	1.84E-32	-0.456	0.246	0.608	4.58E-28	3
Creg1	2.19E-32	-0.301	0.125	0.418	5.44E-28	3
Kbtbd2	2.23E-32	-0.353	0.038	0.271	5.54E-28	3
Naga	2.29E-32	-0.457	0.039	0.274	5.69E-28	3
Impdh1	2.30E-32	-0.396	0.036	0.268	5.70E-28	3
Sp110	2.30E-32	-0.337	0.116	0.409	5.70E-28	3
Zfp384	2.71E-32	-0.267	0.055	0.304	6.73E-28	3
Klf13	2.80E-32	-0.344	0.075	0.337	6.94E-28	3
Atxn7l3	2.83E-32	-0.352	0.065	0.321	7.03E-28	3
Cdk12	3.08E-32	-0.312	0.099	0.382	7.64E-28	3
Mfsd14b	3.09E-32	-0.303	0.044	0.283	7.67E-28	3
Cyth2	3.15E-32	-0.406	0.029	0.254	7.83E-28	3
Lypla1	3.18E-32	-0.276	0.036	0.268	7.91E-28	3
Hnrnpr	3.29E-32	-0.372	0.027	0.252	8.18E-28	3
Snf8	3.68E-32	-0.321	0.043	0.28	9.14E-28	3
Pqbp1	3.72E-32	-0.402	0.027	0.251	9.25E-28	3
Mff	3.84E-32	-0.282	0.041	0.278	9.54E-28	3
Agpat4	4.27E-32	-0.433	0.099	0.373	1.06E-27	3
Gng5	5.68E-32	-0.407	0.316	0.706	1.41E-27	3

Strn4	6.18E-32	-0.360	0.032	0.259	1.53E-27	3
Trappc8	6.24E-32	-0.325	0.032	0.261	1.55E-27	3
Kpna4	6.59E-32	1.311	0.559	0.525	1.64E-27	3
Emc6	6.73E-32	-0.303	0.027	0.251	1.67E-27	3
Galnt6	6.82E-32	-0.405	0.038	0.268	1.69E-27	3
Prkx	7.43E-32	-0.281	0.091	0.364	1.85E-27	3
Mapkapk3	8.13E-32	-0.386	0.108	0.39	2.02E-27	3
Bin2	8.55E-32	-0.281	0.067	0.32	2.12E-27	3
Cebpa	8.63E-32	-0.603	0.108	0.38	2.14E-27	3
Rbms1	1.22E-31	-0.337	0.323	0.705	3.03E-27	3
Acbd5	1.47E-31	-0.320	0.038	0.267	3.65E-27	3
Pirb	1.69E-31	-0.252	0.074	0.331	4.21E-27	3
Scamp3	2.22E-31	-0.328	0.036	0.263	5.53E-27	3
Dtx3l	2.95E-31	-0.383	0.044	0.276	7.32E-27	3
Kmt2d	3.06E-31	-0.395	0.07	0.322	7.60E-27	3
Slc25a30	3.17E-31	-0.311	0.034	0.26	7.89E-27	3
Ubap1	3.25E-31	1.370	0.397	0.256	8.07E-27	3
Fxr2	3.62E-31	-0.320	0.068	0.319	9.00E-27	3
Dhx36	3.94E-31	-0.327	0.031	0.252	9.78E-27	3
Rsf1	4.30E-31	-0.446	0.077	0.332	1.07E-26	3
Smn1	4.35E-31	-0.262	0.043	0.275	1.08E-26	3
Ddx42	5.29E-31	-0.359	0.034	0.258	1.31E-26	3
Eeal	5.30E-31	1.601	0.54	0.473	1.32E-26	3
Furin	5.49E-31	-0.323	0.227	0.578	1.36E-26	3
Map2k2	5.95E-31	-0.288	0.032	0.255	1.48E-26	3
Nipsnap3b	6.56E-31	-0.277	0.032	0.255	1.63E-26	3
Map4k4	8.50E-31	-0.456	0.238	0.577	2.11E-26	3
Wdr45b	9.10E-31	-0.253	0.048	0.283	2.26E-26	3
Supt5	9.16E-31	-0.347	0.044	0.275	2.27E-26	3
Map2k4	9.36E-31	-0.316	0.082	0.34	2.33E-26	3
Chd4	9.62E-31	-0.290	0.304	0.696	2.39E-26	3
Spp13	1.04E-30	-0.297	0.085	0.347	2.58E-26	3
Errfi1	1.11E-30	-0.541	0.111	0.383	2.75E-26	3
Kpna1	1.38E-30	-0.294	0.068	0.318	3.43E-26	3
Abca1	1.47E-30	-0.622	0.079	0.325	3.64E-26	3
Klf6	1.61E-30	0.889	0.841	0.853	4.00E-26	3
Arap1	1.86E-30	-0.402	0.075	0.326	4.61E-26	3
Basp1	1.92E-30	0.889	0.788	0.722	4.76E-26	3
Limd2	1.97E-30	-0.379	0.036	0.257	4.90E-26	3
Traf3	3.05E-30	-0.461	0.051	0.281	7.58E-26	3
Mib1	3.09E-30	-0.269	0.032	0.251	7.68E-26	3
Fam114a2	3.13E-30	-0.306	0.032	0.25	7.77E-26	3
Zfp326	3.34E-30	-0.322	0.048	0.278	8.29E-26	3
Osbp	3.42E-30	-0.277	0.05	0.282	8.49E-26	3
Ifi47	3.64E-30	-0.568	0.041	0.263	9.04E-26	3
Sirpa	3.66E-30	-0.375	0.13	0.419	9.10E-26	3

Myd88	8.15E-30	-0.300	0.063	0.304	2.02E-25	3
Srebf2	8.15E-30	-0.286	0.161	0.47	2.02E-25	3
Kmt2b	9.01E-30	-0.395	0.034	0.25	2.24E-25	3
Bach1	9.27E-30	-0.329	0.214	0.543	2.30E-25	3
Hbs1l	1.27E-29	-0.422	0.041	0.261	3.15E-25	3
Sfswap	1.33E-29	-0.327	0.039	0.259	3.30E-25	3
Tox4	1.34E-29	-0.257	0.085	0.342	3.33E-25	3
Max	1.35E-29	-0.255	0.195	0.529	3.37E-25	3
Clk3	1.47E-29	-0.353	0.08	0.33	3.65E-25	3
Trim33	1.54E-29	-0.263	0.05	0.277	3.83E-25	3
Stau1	1.56E-29	-0.307	0.036	0.252	3.88E-25	3
Hcls1	1.61E-29	-0.255	0.232	0.591	3.99E-25	3
Fosb	1.96E-29	-0.343	0.422	0.739	4.86E-25	3
Safb	1.97E-29	-0.346	0.074	0.318	4.90E-25	3
Mcl1	1.98E-29	0.689	0.901	0.894	4.92E-25	3
Tet3	2.10E-29	-0.358	0.094	0.352	5.21E-25	3
Irak3	2.17E-29	1.335	0.268	0.127	5.40E-25	3
Ewsr1	2.24E-29	-0.279	0.32	0.739	5.56E-25	3
Bag6	2.27E-29	-0.253	0.07	0.313	5.65E-25	3
Ets1	2.56E-29	-1.147	0.05	0.263	6.35E-25	3
Ppm1b	2.88E-29	-0.366	0.036	0.25	7.16E-25	3
Dnajc13	3.50E-29	-0.263	0.056	0.288	8.70E-25	3
Usp38	3.54E-29	-0.380	0.058	0.288	8.80E-25	3
Lasp1	4.12E-29	1.108	0.627	0.641	1.02E-24	3
Prr14	4.37E-29	-0.328	0.039	0.256	1.08E-24	3
Hivep1	4.88E-29	-0.332	0.039	0.256	1.21E-24	3
Thbs1	6.81E-29	1.276	0.662	0.535	1.69E-24	3
Ttc14	7.57E-29	-0.361	0.041	0.258	1.88E-24	3
Stx3	9.79E-29	-0.373	0.068	0.305	2.43E-24	3
Tmem127	1.10E-28	-0.294	0.043	0.26	2.73E-24	3
Zbtb2	1.12E-28	-0.338	0.038	0.251	2.79E-24	3
Scyl2	1.12E-28	-0.281	0.055	0.281	2.79E-24	3
Ano6	1.15E-28	-0.279	0.056	0.285	2.85E-24	3
Noc2l	1.21E-28	-0.266	0.041	0.256	3.00E-24	3
Ccl8	1.22E-28	-2.848	0.051	0.26	3.03E-24	3
Herc1	1.32E-28	-0.273	0.067	0.3	3.29E-24	3
Pcbp2	1.33E-28	-0.417	0.468	0.841	3.31E-24	3
Pqlc1	1.94E-28	-0.399	0.091	0.339	4.81E-24	3
Gabpb1	2.13E-28	-0.441	0.048	0.266	5.30E-24	3
Spin1	2.44E-28	-0.268	0.075	0.315	6.07E-24	3
Prkcd	2.67E-28	-0.321	0.256	0.61	6.63E-24	3
Scaf4	2.71E-28	-0.332	0.056	0.281	6.74E-24	3
Ino80d	3.09E-28	-0.352	0.039	0.251	7.67E-24	3
Stk10	3.26E-28	-0.483	0.051	0.27	8.09E-24	3
Pcyt1a	3.30E-28	-0.289	0.181	0.485	8.21E-24	3
Ctsz	3.51E-28	-0.482	0.347	0.667	8.72E-24	3

Sertad2	3.86E-28	-0.253	0.092	0.345	9.59E-24	3
Cyld	3.88E-28	-0.419	0.05	0.268	9.63E-24	3
Efhd2	4.43E-28	0.784	0.761	0.749	1.10E-23	3
Mob4	4.78E-28	-0.270	0.074	0.312	1.19E-23	3
N4bp2l2	7.05E-28	-0.307	0.094	0.346	1.75E-23	3
Epc2	7.74E-28	-0.340	0.056	0.278	1.92E-23	3
Tmem38b	7.89E-28	1.246	0.309	0.17	1.96E-23	3
H3f3a	1.06E-27	0.547	0.945	0.933	2.63E-23	3
Cxcr4	1.17E-27	-0.518	0.424	0.769	2.90E-23	3
Hmgn2	1.27E-27	-0.267	0.074	0.308	3.16E-23	3
Tcirg1	1.41E-27	-0.271	0.205	0.523	3.49E-23	3
Parp14	1.42E-27	-0.458	0.06	0.282	3.53E-23	3
Id2	1.46E-27	-0.462	0.475	0.771	3.63E-23	3
Actg1	2.17E-27	-0.377	0.892	0.976	5.39E-23	3
Son	2.32E-27	-0.396	0.4	0.801	5.75E-23	3
Itgb2	3.04E-27	-0.378	0.374	0.734	7.55E-23	3
Sirt7	3.60E-27	-0.348	0.043	0.251	8.94E-23	3
Lbh	5.16E-27	-0.344	0.051	0.265	1.28E-22	3
Irgm1	5.61E-27	-0.455	0.075	0.301	1.39E-22	3
Sorl1	5.64E-27	1.301	0.332	0.192	1.40E-22	3
Lsp1	6.57E-27	-0.570	0.256	0.554	1.63E-22	3
Ppp6r3	9.29E-27	-0.287	0.053	0.268	2.31E-22	3
Rnf2	1.05E-26	-0.292	0.044	0.252	2.62E-22	3
Pxk	1.12E-26	-0.303	0.05	0.26	2.78E-22	3
Stx11	1.58E-26	1.136	0.487	0.371	3.92E-22	3
Atf3	1.64E-26	1.067	0.579	0.469	4.08E-22	3
Slc20a1	2.00E-26	1.708	0.378	0.252	4.97E-22	3
B4galt5	3.17E-26	-0.274	0.198	0.502	7.87E-22	3
Sntb2	3.28E-26	1.300	0.349	0.218	8.14E-22	3
Arf1	3.32E-26	-0.350	0.496	0.842	8.25E-22	3
Slc15a3	3.53E-26	1.263	0.538	0.492	8.76E-22	3
Sh2b3	3.69E-26	-0.303	0.055	0.266	9.17E-22	3
Inhba	4.95E-26	1.730	0.285	0.141	1.23E-21	3
Nfkbie	5.06E-26	-0.307	0.104	0.348	1.26E-21	3
Golgb1	5.84E-26	-0.292	0.046	0.251	1.45E-21	3
Slfn5	6.77E-26	-0.427	0.099	0.335	1.68E-21	3
Rhov	1.06E-25	1.216	0.284	0.15	2.64E-21	3
Notch1	1.36E-25	-0.397	0.06	0.269	3.39E-21	3
Samd8	1.63E-25	-0.293	0.072	0.293	4.05E-21	3
Fam102b	1.70E-25	-0.277	0.05	0.254	4.23E-21	3
Ssh2	2.47E-25	-0.484	0.058	0.263	6.13E-21	3
Ckap4	2.76E-25	-0.302	0.063	0.276	6.86E-21	3
Plin2	3.18E-25	0.865	0.696	0.618	7.90E-21	3
Slc26a2	3.64E-25	-0.263	0.121	0.374	9.04E-21	3
F10	3.70E-25	1.550	0.371	0.24	9.19E-21	3
Slc44a2	7.62E-25	-0.286	0.074	0.291	1.89E-20	3

Leng8	8.56E-25	-0.253	0.116	0.362	2.13E-20	3
Rhoq	9.61E-25	-0.252	0.089	0.317	2.39E-20	3
Abcg1	1.20E-24	-0.308	0.103	0.338	2.97E-20	3
Rps27	1.75E-24	-0.579	0.838	0.91	4.35E-20	3
Rblcc1	2.59E-24	-0.261	0.111	0.35	6.44E-20	3
Rgcc	2.71E-24	1.245	0.477	0.372	6.74E-20	3
Ldlrap1	2.99E-24	-0.382	0.056	0.255	7.43E-20	3
Eif4a1	4.85E-24	-0.333	0.619	0.885	1.21E-19	3
Arf6	1.62E-23	-0.304	0.388	0.755	4.03E-19	3
Tob1	1.88E-23	1.467	0.549	0.527	4.68E-19	3
Slc31a2	2.54E-23	1.232	0.267	0.146	6.31E-19	3
Nabp1	3.29E-23	1.412	0.436	0.335	8.18E-19	3
Spp1	3.43E-23	2.984	0.376	0.255	8.53E-19	3
Nfkb2	3.54E-23	-0.287	0.072	0.277	8.80E-19	3
Xdh	5.59E-23	-0.277	0.074	0.28	1.39E-18	3
Sp140	7.15E-23	1.430	0.448	0.365	1.78E-18	3
Tyrobp	2.79E-22	0.632	0.832	0.709	6.93E-18	3
Mllt6	2.87E-22	-0.292	0.085	0.292	7.13E-18	3
Sat1	4.49E-22	0.954	0.79	0.847	1.12E-17	3
Tnfrsf12a	4.53E-22	-0.365	0.068	0.262	1.12E-17	3
Map2k3	5.57E-22	-0.270	0.4	0.765	1.38E-17	3
H3f3b	1.39E-21	0.573	0.952	0.967	3.45E-17	3
Zfp281	2.63E-21	-0.315	0.068	0.258	6.54E-17	3
Fnip2	4.76E-21	1.135	0.573	0.535	1.18E-16	3
D16Erd472e	1.24E-20	-0.576	0.12	0.324	3.07E-16	3
Atp6v1e1	1.74E-20	1.092	0.569	0.607	4.31E-16	3
Mindy1	2.09E-20	-0.252	0.089	0.287	5.20E-16	3
Srsf2	2.28E-20	-0.274	0.532	0.894	5.66E-16	3
Gpnmb	3.68E-20	-0.991	0.085	0.27	9.15E-16	3
Ddx3x	4.83E-20	0.970	0.691	0.778	1.20E-15	3
Actn1	5.75E-20	1.179	0.359	0.243	1.43E-15	3
CD4-pAbO (Ab)	1.31E-19	0.397	0.858	0.883	3.26E-15	3
Tlr13	1.35E-19	1.279	0.265	0.155	3.34E-15	3
Entpd1	6.11E-19	1.465	0.407	0.331	1.52E-14	3
Tiparp	6.60E-19	1.237	0.585	0.589	1.64E-14	3
Rnf11	6.62E-19	1.419	0.395	0.322	1.65E-14	3
Slc3a2	7.48E-19	-0.261	0.545	0.84	1.86E-14	3
Pkm	1.08E-18	0.571	0.812	0.849	2.68E-14	3
Klf2	2.10E-18	1.373	0.39	0.29	5.22E-14	3
Ifitm3	3.79E-18	-0.774	0.369	0.577	9.41E-14	3
Tcp11l2	4.57E-18	-0.254	0.12	0.319	1.14E-13	3
Ctsl	9.26E-18	-0.696	0.301	0.522	2.30E-13	3
Gpr35	1.44E-17	1.336	0.421	0.354	3.58E-13	3
Esd	1.85E-17	0.375	0.267	0.57	4.59E-13	3
Phlda1	3.00E-17	1.672	0.508	0.475	7.46E-13	3
Sod2	3.31E-17	1.733	0.511	0.531	8.21E-13	3

Serinc3	3.33E-17	-0.471	0.516	0.818	8.27E-13	3
CD8a-pAbO (Ab)	5.31E-17	1.491	0.684	0.71	1.32E-12	3
Tnfrsf1b	7.06E-17	1.138	0.538	0.566	1.75E-12	3
Slc2a1	1.97E-16	1.142	0.509	0.476	4.90E-12	3
P4hb	1.02E-15	0.957	0.634	0.719	2.55E-11	3
Fcgr4	6.58E-15	-0.296	0.12	0.291	1.63E-10	3
Rbm39	6.83E-15	-0.324	0.59	0.914	1.70E-10	3
Emilin2	8.08E-15	0.811	0.597	0.583	2.01E-10	3
Tgm2	1.02E-14	0.719	0.516	0.455	2.53E-10	3
Adipor1	2.47E-14	1.155	0.462	0.461	6.14E-10	3
1700017B05Rik	2.98E-14	1.029	0.455	0.414	7.41E-10	3
Vasp	3.53E-14	0.882	0.573	0.653	8.77E-10	3
Slc25a37	5.48E-14	1.213	0.303	0.219	1.36E-09	3
AA467197	5.70E-14	0.807	0.282	0.181	1.42E-09	3
Cast	6.52E-14	0.253	0.209	0.449	1.62E-09	3
Egln3	1.63E-13	1.097	0.284	0.19	4.05E-09	3
Chd7	4.93E-13	1.108	0.48	0.475	1.23E-08	3
Zfp292	6.52E-13	1.234	0.34	0.271	1.62E-08	3
Atf7ip	1.82E-11	1.161	0.361	0.305	4.52E-07	3
Atp6v1a	2.20E-11	0.958	0.545	0.581	5.47E-07	3
Cln3	3.23E-11	1.057	0.402	0.37	8.02E-07	3
Rabgef1	4.31E-11	1.171	0.424	0.423	1.07E-06	3
Prdx5	8.79E-11	0.894	0.544	0.597	2.18E-06	3
Zeb2	1.03E-10	0.678	0.614	0.638	2.57E-06	3
Igf2r	1.09E-10	1.151	0.279	0.214	2.70E-06	3
Ctsd	1.16E-10	0.379	0.614	0.583	2.89E-06	3
Wsb1	1.23E-10	0.883	0.557	0.626	3.06E-06	3
Bnip3	1.28E-10	1.096	0.359	0.293	3.17E-06	3
Mapkapk2	2.24E-10	1.028	0.526	0.622	5.56E-06	3
Mfsd1	2.58E-10	0.288	0.224	0.441	6.41E-06	3
Pim1	4.19E-10	0.540	0.877	0.942	1.04E-05	3
Jdp2	4.68E-10	0.975	0.453	0.452	1.16E-05	3
Trim30a	4.94E-10	0.290	0.171	0.347	1.23E-05	3
Tra2a	4.99E-10	1.117	0.487	0.548	1.24E-05	3
Cd274	5.00E-10	1.444	0.427	0.431	1.24E-05	3
Rest	7.95E-10	0.289	0.179	0.362	1.98E-05	3
Plekhf2	1.26E-09	0.277	0.133	0.285	3.14E-05	3
Plbd1	1.36E-09	0.665	0.496	0.455	3.38E-05	3
Bri3	1.52E-09	0.262	0.238	0.463	3.78E-05	3
Kmt5a	3.62E-09	0.347	0.243	0.466	8.98E-05	3
Casp4	4.07E-09	0.348	0.197	0.38	0.000101087	3
Kif1c	4.65E-09	0.346	0.209	0.407	0.000115401	3
Etf1	5.31E-09	0.740	0.559	0.673	0.000131886	3
Aldoa	6.33E-09	-0.250	0.627	0.837	0.00015725	3
Nab2	7.19E-09	0.404	0.128	0.27	0.000178697	3
Fus	8.39E-09	0.510	0.709	0.855	0.000208407	3

Cpne2	9.59E-09	1.178	0.301	0.258	0.000238302	3
Fndc3a	1.07E-08	0.385	0.162	0.321	0.000265665	3
Ifnar2	1.39E-08	0.273	0.191	0.367	0.000345378	3
Jund	2.45E-08	0.496	0.856	0.925	0.000609358	3
Cyca	2.52E-08	0.281	0.256	0.479	0.000625837	3
Timp2	2.63E-08	-0.430	0.183	0.313	0.000652297	3
Vps26a	3.65E-08	0.269	0.222	0.417	0.000907197	3
Mdm2	4.80E-08	0.417	0.388	0.662	0.001192953	3
Plgrkt	5.08E-08	0.312	0.128	0.262	0.001261808	3
Ii10rb	7.04E-08	0.931	0.451	0.491	0.001749197	3
Ptbp3	7.87E-08	0.652	0.602	0.732	0.001955413	3
Mapk6	8.34E-08	0.303	0.326	0.586	0.002072647	3
Tubb4b	9.57E-08	0.267	0.289	0.521	0.002377837	3
Rhbdf2	1.40E-07	0.272	0.185	0.346	0.003470572	3
Clec4n	1.55E-07	0.866	0.321	0.275	0.003857088	3
Mafg	1.73E-07	0.342	0.25	0.455	0.004295114	3
Csnk1e	2.19E-07	0.257	0.162	0.305	0.005443535	3
Braf	2.29E-07	0.254	0.145	0.278	0.005697897	3
Slfn2	2.57E-07	0.553	0.67	0.737	0.006376283	3
Tnfaip3	3.85E-07	0.676	0.59	0.653	0.009560895	3
Vegfa	4.91E-07	0.773	0.446	0.408	0.012207616	3
Neu1	5.11E-07	0.346	0.169	0.315	0.012690985	3
Stat6	5.54E-07	0.323	0.154	0.293	0.013766277	3
Fam111a	5.89E-07	1.158	0.296	0.264	0.014629018	3
Fam53c	6.28E-07	0.349	0.137	0.261	0.015608341	3
Sirt1	6.35E-07	0.328	0.178	0.323	0.015769343	3
Ddx5	8.17E-07	0.296	0.916	0.959	0.020282162	3
Ogfrl1	8.59E-07	0.288	0.144	0.268	0.021336237	3
Slc43a2	1.04E-06	0.331	0.137	0.259	0.025954391	3
Ncf1	1.49E-06	0.274	0.152	0.279	0.037028735	3
Lims1	1.66E-06	0.378	0.232	0.417	0.041348215	3
7-Mar	1.67E-06	0.265	0.35	0.607	0.041479448	3
Prdx6	1.71E-06	0.800	0.503	0.574	0.04235689	3
Rybp	1.82E-06	1.071	0.485	0.576	0.045283023	3
Nfe2l2	1.85E-06	0.621	0.521	0.58	0.045930692	3
Fam50a	2.15E-06	0.360	0.159	0.294	0.053400539	3
Sidt2	2.35E-06	0.266	0.145	0.266	0.058427486	3
Tlr2	2.71E-06	0.879	0.304	0.269	0.067220436	3
Jmjd1c	2.97E-06	0.327	0.287	0.492	0.07388041	3
1810058I24Rik	3.88E-06	0.382	0.209	0.375	0.096477768	3
Vps18	6.53E-06	0.353	0.179	0.317	0.162131481	3
Slc38a1	6.56E-06	0.467	0.311	0.532	0.162958241	3
Cd84	7.39E-06	0.267	0.202	0.349	0.183570449	3
Tet2	1.19E-05	0.302	0.217	0.369	0.295094732	3
Lysmd3	1.21E-05	0.406	0.164	0.289	0.30073558	3
Sap18	1.51E-05	1.393	0.427	0.511	0.374719328	3

Ugcg	1.73E-05	0.266	0.311	0.513	0.430521511	3
Tbc1d15	1.85E-05	0.437	0.203	0.354	0.458784441	3
Rsrc2	1.86E-05	0.380	0.315	0.535	0.461182537	3
Zbtb21	2.37E-05	0.378	0.168	0.288	0.588410824	3
Hspa5	3.15E-05	0.399	0.969	0.956	0.781388865	3
Wipf1	3.50E-05	0.394	0.349	0.58	0.868530627	3
Slc9a3r1	3.75E-05	0.342	0.285	0.486	0.931200624	3
Ncoa4	3.78E-05	0.330	0.176	0.3	0.938820761	3
Birc3	3.83E-05	0.313	0.147	0.254	0.950099106	3
Snhg9	5.25E-05	0.423	0.173	0.295	1	3
Plekho2	7.09E-05	0.363	0.294	0.496	1	3
Gm8797	7.37E-05	0.313	0.224	0.376	1	3
Ppp1r10	8.76E-05	0.254	0.282	0.455	1	3
Tm9sf3	8.89E-05	0.417	0.349	0.597	1	3
Tatdn2	8.91E-05	0.332	0.241	0.4	1	3
Isg15	9.45E-05	0.291	0.243	0.374	1	3
Adam8	0.00011134	0.480	0.624	0.675	1	3
Ergic1	0.00012222	0.437	0.15	0.258	1	3
Tpp1	0.00012775	0.276	0.258	0.418	1	3
Map1lc3b	0.00013847	0.475	0.585	0.751	1	3
Zyx	0.00018294	0.355	0.357	0.577	1	3
Dusp2	0.00018326	0.480	0.297	0.46	1	3
Ralgds	0.00020871	0.965	0.27	0.259	1	3
Nisch	0.00021439	1.165	0.368	0.41	1	3
Tug1	0.00022801	0.938	0.28	0.271	1	3
Atp6v1c1	0.00027647	0.807	0.391	0.444	1	3
Arih2	0.00028308	0.310	0.152	0.252	1	3
Ddit4	0.00031044	0.532	0.195	0.303	1	3
Zfand2a	0.00034424	0.569	0.238	0.39	1	3
mt-Nd5	0.00039036	0.260	0.73	0.928	1	3
Ap3s1	0.00040152	0.367	0.256	0.424	1	3
Por	0.00054989	0.646	0.467	0.536	1	3
4933434E20Rik	0.00055647	0.440	0.162	0.266	1	3
Ralb	0.00055727	0.494	0.241	0.395	1	3
Rab32	0.00059197	0.447	0.176	0.289	1	3
Rnf213	0.00060044	0.619	0.203	0.322	1	3
Ppp1r2	0.00060556	0.390	0.28	0.462	1	3
Irs2	0.0006136	0.359	0.287	0.443	1	3
Srsf7	0.00064469	0.345	0.376	0.616	1	3
Syk	0.00074577	0.606	0.458	0.53	1	3
Wsb2	0.000871	0.536	0.2	0.323	1	3
Mir142hg	0.00095411	0.747	0.282	0.273	1	3
Snx20	0.00101785	0.399	0.171	0.274	1	3
Srsf5	0.00103974	0.419	0.679	0.864	1	3
Gadd45g	0.00114171	0.985	0.272	0.256	1	3
Ninj1	0.00122233	0.745	0.362	0.403	1	3



Map3k8	0.00123746	0.398	0.166	0.261	1	3
Nadk	0.0012884	0.508	0.197	0.316	1	3
Ndel1	0.00128892	0.529	0.303	0.498	1	3
Gde1	0.00134431	0.450	0.203	0.321	1	3
Ubald2	0.00144118	0.334	0.26	0.406	1	3
Cbx4	0.00165296	0.411	0.221	0.337	1	3
Polr2a	0.00170078	0.414	0.359	0.576	1	3
Alkbh5	0.00181796	0.811	0.34	0.563	1	3
Mbd6	0.00188926	0.369	0.161	0.252	1	3
Hnrnp2	0.00264886	0.875	0.385	0.469	1	3
Glrx	0.00312532	0.789	0.443	0.527	1	3
Bsg	0.00385858	0.516	0.369	0.586	1	3
Pfkfb3	0.00421109	1.046	0.315	0.335	1	3
Denr	0.00432187	0.585	0.256	0.404	1	3
Washc2	0.00454096	0.533	0.238	0.369	1	3
Mafk	0.00482364	0.784	0.391	0.45	1	3
Prdm2	0.00489397	0.396	0.349	0.541	1	3
Chka	0.00499248	1.092	0.402	0.467	1	3
Bcl2l11	0.00746189	0.693	0.508	0.628	1	3
Tnfaip2	0.00801391	1.033	0.315	0.339	1	3
Cd68	0.0084895	-0.271	0.581	0.646	1	3
Ing3	0.00946196	0.565	0.166	0.251	1	3
Hbp1	0.00991932	0.447	0.253	0.385	1	3
Ii2rb	4.98E-284	2.464	0.787	0.148	1.24E-279	4
Ctsb	7.18E-164	-3.382	0.337	0.893	1.78E-159	4
Lgals3	8.87E-163	-3.288	0.28	0.856	2.20E-158	4
Ftl1	1.63E-160	-2.437	0.766	0.98	4.04E-156	4
Baspl	5.92E-158	-3.308	0.108	0.778	1.47E-153	4
Trac	2.71E-155	1.906	0.632	0.158	6.72E-151	4
Tyrobp	3.00E-147	-2.569	0.116	0.769	7.46E-143	4
Ctss	2.23E-146	-3.491	0.293	0.814	5.53E-142	4
Cst3	4.34E-140	-3.150	0.307	0.833	1.08E-135	4
Fcer1g	3.12E-139	-2.551	0.205	0.793	7.74E-135	4
Cd14	2.90E-137	-3.424	0.049	0.696	7.19E-133	4
Efhd2	7.00E-137	-2.022	0.187	0.796	1.74E-132	4
Ftl1-ps1	2.07E-136	-2.108	0.339	0.867	5.15E-132	4
H2-Q6	2.44E-135	2.067	0.789	0.394	6.07E-131	4
Psap	2.69E-133	-3.210	0.482	0.88	6.68E-129	4
Alox5ap	9.01E-130	-2.618	0.02	0.652	2.24E-125	4
Csf2rb	2.42E-129	-2.891	0.039	0.665	6.02E-125	4
Cd68	5.10E-127	-2.669	0.075	0.687	1.27E-122	4
Trbc2	8.37E-127	1.870	0.518	0.128	2.08E-122	4
App	1.31E-126	-2.459	0.035	0.656	3.26E-122	4
Plek	1.81E-126	-2.193	0.124	0.751	4.50E-122	4
Itk	3.95E-126	1.747	0.445	0.098	9.82E-122	4
Ctsz	1.90E-121	-1.986	0.073	0.684	4.71E-117	4

Vim	3.41E-121	-2.113	0.561	0.892	8.46E-117	4
Emilin2	3.25E-120	-2.295	0.024	0.63	8.08E-116	4
Plaur	1.99E-119	-2.521	0.128	0.718	4.95E-115	4
Grn	2.27E-119	-2.524	0.079	0.681	5.65E-115	4
Csf2ra	2.06E-118	-1.906	0.049	0.659	5.12E-114	4
Ctla2a	2.14E-116	2.090	0.4	0.085	5.32E-112	4
Ifitm2	6.17E-115	-2.122	0.079	0.674	1.53E-110	4
Cd74	2.50E-114	-3.512	0.337	0.812	6.21E-110	4
H2-Aa	2.69E-114	-4.044	0.136	0.688	6.69E-110	4
Spi1	6.95E-114	-1.894	0.02	0.611	1.73E-109	4
Tpd52	4.94E-113	-1.920	0.096	0.684	1.23E-108	4
Ets1	5.34E-113	1.895	0.608	0.214	1.33E-108	4
Gabarap	6.32E-113	-1.422	0.421	0.886	1.57E-108	4
Cstb	4.28E-112	-1.980	0.315	0.836	1.06E-107	4
Sdcbp	2.32E-110	-1.573	0.331	0.859	5.77E-106	4
Lilr4b	3.82E-109	-2.079	0.201	0.769	9.48E-105	4
Plin2	1.51E-108	-2.162	0.098	0.668	3.74E-104	4
Ptafr	4.22E-108	-2.115	0.014	0.583	1.05E-103	4
Icos	5.12E-108	1.715	0.539	0.149	1.27E-103	4
H2-Ab1	5.73E-108	-3.916	0.185	0.707	1.42E-103	4
Adam8	2.25E-107	-2.175	0.15	0.713	5.59E-103	4
Lamp1	3.88E-107	-1.946	0.146	0.705	9.65E-103	4
Rnf125	5.83E-106	1.559	0.51	0.144	1.45E-101	4
Zeb2	7.61E-104	-1.798	0.106	0.679	1.89E-99	4
Lyz2	2.06E-102	-4.122	0.116	0.642	5.12E-98	4
Rnh1	2.96E-102	-1.546	0.067	0.632	7.34E-98	4
Marcks	3.50E-102	-2.333	0.043	0.597	8.70E-98	4
Ifitm3	7.18E-102	-2.639	0.055	0.599	1.78E-97	4
Ier3	5.23E-100	-2.797	0.106	0.644	1.30E-95	4
Fnip2	2.01E-99	-2.072	0.039	0.579	5.00E-95	4
H2-Eb1	1.40E-98	-3.682	0.112	0.628	3.47E-94	4
Fcgr2b	2.00E-97	-2.425	0.026	0.558	4.97E-93	4
Ifi207	4.65E-97	-2.005	0.014	0.544	1.16E-92	4
H2-K1	5.70E-97	1.015	0.967	0.947	1.42E-92	4
Syk	1.26E-96	-1.608	0.026	0.564	3.12E-92	4
Tgfbi	4.22E-96	-2.676	0.028	0.554	1.05E-91	4
Lamp2	4.99E-96	-1.567	0.089	0.636	1.24E-91	4
Ccl6	5.24E-96	-3.403	0.055	0.581	1.30E-91	4
Lgmn	7.66E-96	-2.515	0.02	0.546	1.90E-91	4
Gm26917	1.48E-95	2.657	0.795	0.577	3.68E-91	4
Rnf149	3.49E-95	-1.721	0.248	0.785	8.66E-91	4
Scpep1	3.98E-94	-1.435	0.057	0.597	9.89E-90	4
Hmox1	2.96E-93	-2.890	0.067	0.589	7.35E-89	4
Thbs1	1.83E-92	-4.128	0.085	0.585	4.54E-88	4
Vps37b	3.32E-92	1.812	0.801	0.611	8.24E-88	4
Mcl1	5.10E-92	-1.302	0.575	0.921	1.27E-87	4

Gm42418	1.47E-91	1.288	0.959	0.905	3.64E-87	4
Tnfaip3	1.83E-91	1.844	0.825	0.632	4.55E-87	4
Ilrn	8.80E-91	-3.409	0.047	0.555	2.19E-86	4
Nlrp3	1.60E-90	-2.914	0.03	0.545	3.96E-86	4
Ccr1	1.04E-89	-2.368	0.037	0.546	2.59E-85	4
Wfdc17	1.69E-89	-2.342	0.039	0.548	4.21E-85	4
Thy1	4.97E-89	1.610	0.423	0.114	1.23E-84	4
Ctsh	7.29E-89	-1.576	0.018	0.523	1.81E-84	4
Fcgr3	8.45E-89	-2.010	0.045	0.542	2.10E-84	4
Itgam	1.18E-88	-2.048	0.022	0.525	2.93E-84	4
Cxcl2	6.60E-88	-4.302	0.203	0.695	1.64E-83	4
Trim25	9.41E-87	-1.450	0.118	0.639	2.34E-82	4
Atox1	1.79E-86	-1.318	0.061	0.578	4.46E-82	4
Atp6v1a	2.41E-86	-1.554	0.1	0.617	6.00E-82	4
Mt1	2.44E-86	-1.684	0.337	0.807	6.06E-82	4
Trbc1	8.53E-86	1.472	0.289	0.055	2.12E-81	4
Actb	2.84E-85	-1.004	0.937	0.995	7.07E-81	4
Cyba	8.61E-85	-1.344	0.242	0.729	2.14E-80	4
Fth1	1.61E-84	-1.975	0.907	0.99	3.99E-80	4
Rora	2.24E-84	2.150	0.533	0.211	5.56E-80	4
Prdx5	8.82E-84	-1.406	0.116	0.632	2.19E-79	4
Plbd1	9.29E-84	-2.000	0.014	0.495	2.31E-79	4
Cd28	1.21E-83	1.717	0.407	0.116	3.00E-79	4
Tmem189	1.15E-82	-1.369	0.148	0.666	2.85E-78	4
Cd63	2.72E-82	-2.166	0.03	0.509	6.76E-78	4
Anxa5	6.06E-82	-1.375	0.159	0.658	1.51E-77	4
Trib1	1.70E-81	-1.800	0.132	0.643	4.23E-77	4
Akr1a1	4.01E-81	-1.394	0.187	0.675	9.96E-77	4
Tgm2	5.90E-81	-2.111	0.022	0.496	1.46E-76	4
Ly86	5.93E-81	-1.741	0.03	0.508	1.47E-76	4
Ncf2	9.73E-81	-1.517	0.024	0.501	2.42E-76	4
Atp6v1g1	4.69E-80	-1.159	0.059	0.549	1.16E-75	4
Nrros	4.98E-80	-1.452	0.035	0.516	1.24E-75	4
Gla	6.34E-80	-1.425	0.161	0.674	1.58E-75	4
Mpeg1	1.48E-79	-1.934	0.014	0.48	3.69E-75	4
Emb	1.86E-79	2.421	0.711	0.528	4.63E-75	4
Npc2	2.19E-79	-1.375	0.39	0.789	5.45E-75	4
Cndp2	5.64E-79	-1.453	0.039	0.515	1.40E-74	4
Ms4a6c	8.78E-79	-1.917	0.039	0.51	2.18E-74	4
Csf2rb2	1.12E-78	-1.794	0.026	0.495	2.78E-74	4
Ccl9	1.34E-78	-2.622	0.028	0.491	3.32E-74	4
Ucp2	1.42E-78	-1.318	0.443	0.821	3.54E-74	4
Card19	2.62E-78	-1.359	0.073	0.565	6.52E-74	4
Atp6v1b2	3.29E-78	-1.360	0.169	0.663	8.18E-74	4
Cebpb	3.98E-77	-1.595	0.392	0.813	9.89E-73	4
Fam129b	5.22E-77	-1.417	0.089	0.576	1.30E-72	4

Sat1	6.10E-77	-1.389	0.443	0.874	1.51E-72	4
Tubb6	7.75E-77	-1.203	0.059	0.538	1.92E-72	4
Clec4d	8.51E-77	-2.834	0.008	0.459	2.11E-72	4
Skap2	1.31E-76	-1.090	0.03	0.5	3.25E-72	4
Mafb	1.43E-76	-2.406	0.018	0.472	3.56E-72	4
Emp3	2.00E-76	-1.205	0.213	0.71	4.98E-72	4
Ctsa	3.32E-76	-1.398	0.12	0.599	8.24E-72	4
Sh2d2a	6.23E-76	1.464	0.36	0.099	1.55E-71	4
Ms4a6d	6.55E-76	-1.850	0.006	0.453	1.63E-71	4
Atp6v0b	1.21E-75	-1.074	0.116	0.619	3.02E-71	4
S100a11	1.29E-75	-1.352	0.4	0.84	3.20E-71	4
Satb1	1.35E-75	1.934	0.398	0.125	3.34E-71	4
Pkm	3.01E-75	-1.122	0.437	0.88	7.49E-71	4
S100a6	9.73E-75	-1.382	0.364	0.809	2.42E-70	4
Ms4a4b	9.73E-75	1.418	0.327	0.081	2.42E-70	4
H2-Q7	9.98E-75	1.616	0.679	0.407	2.48E-70	4
Stx7	1.63E-74	-1.053	0.024	0.481	4.04E-70	4
Esd	2.14E-74	-1.366	0.096	0.58	5.31E-70	4
Csf1r	2.55E-74	-1.652	0.026	0.475	6.34E-70	4
Slfn2	6.12E-74	-1.460	0.301	0.766	1.52E-69	4
Gm2a	1.10E-73	-1.600	0.232	0.685	2.72E-69	4
Unc93b1	1.26E-73	-1.290	0.022	0.471	3.12E-69	4
Ptpn22	2.05E-73	1.832	0.53	0.239	5.09E-69	4
Mdm2	3.35E-73	-1.423	0.181	0.675	8.31E-69	4
Lyn	4.66E-73	-1.187	0.073	0.548	1.16E-68	4
Rps27	2.46E-72	1.163	0.856	0.907	6.10E-68	4
Rab7b	4.37E-72	-1.608	0.018	0.458	1.09E-67	4
Gata3	4.44E-72	1.878	0.307	0.076	1.10E-67	4
Gimap6	7.72E-72	1.623	0.321	0.083	1.92E-67	4
C3ar1	1.01E-71	-1.781	0.012	0.444	2.52E-67	4
Sgpl1	1.67E-71	-1.176	0.154	0.638	4.15E-67	4
Dab2	4.83E-71	-1.841	0.024	0.46	1.20E-66	4
Cd3e	1.43E-70	1.226	0.423	0.128	3.55E-66	4
Litaf	4.31E-70	-1.050	0.364	0.859	1.07E-65	4
Atpif1	1.39E-69	-1.117	0.065	0.519	3.46E-65	4
Msrb1	2.12E-69	-1.390	0.045	0.488	5.26E-65	4
Ctsl	2.70E-69	-2.184	0.098	0.535	6.71E-65	4
Atp6v1c1	3.50E-69	-1.061	0.033	0.473	8.69E-65	4
Slc6a6	4.02E-69	-1.109	0.14	0.621	9.98E-65	4
Cybb	5.06E-69	-2.073	0.02	0.445	1.26E-64	4
Il10rb	6.32E-69	-1.129	0.063	0.522	1.57E-64	4
Cxcl16	1.06E-68	-1.541	0.008	0.427	2.64E-64	4
C5ar1	2.40E-68	-1.875	0.012	0.431	5.96E-64	4
Arpc1b	4.40E-68	-0.945	0.526	0.861	1.09E-63	4
Ifngr1	4.53E-68	1.741	0.646	0.418	1.13E-63	4
Apoe	2.39E-67	-3.393	0.122	0.542	5.95E-63	4

Clic4	3.69E-67	-1.378	0.199	0.656	9.18E-63	4
Eno1	9.66E-67	-1.313	0.254	0.694	2.40E-62	4
Itga5	1.76E-66	-1.372	0.053	0.49	4.38E-62	4
Eps8	2.81E-66	-1.302	0.01	0.423	6.98E-62	4
Taldo1	3.37E-66	-1.125	0.146	0.616	8.36E-62	4
Aif1	4.56E-66	-1.456	0.022	0.44	1.13E-61	4
Cfp	5.77E-66	-1.319	0.022	0.437	1.43E-61	4
Lck	8.15E-66	1.318	0.36	0.109	2.03E-61	4
Sirpa	9.74E-66	-1.163	0.014	0.424	2.42E-61	4
Gng5	1.09E-65	-0.962	0.217	0.708	2.71E-61	4
Fem1c	1.25E-65	-1.087	0.213	0.692	3.10E-61	4
Gpx1	1.60E-65	-1.283	0.297	0.723	3.97E-61	4
Sdc3	3.72E-65	-1.226	0.014	0.423	9.23E-61	4
5031439G07Rik	4.09E-65	-1.046	0.035	0.457	1.02E-60	4
Fabp5	4.27E-65	-2.474	0.144	0.566	1.06E-60	4
Mbnl1	8.51E-65	1.489	0.722	0.575	2.11E-60	4
Hexa	1.01E-64	-1.212	0.067	0.496	2.50E-60	4
Slc15a3	1.01E-64	-0.978	0.079	0.53	2.52E-60	4
Pgam1	1.29E-64	-1.262	0.256	0.701	3.22E-60	4
Cd300lf	1.29E-64	-1.946	0.022	0.431	3.22E-60	4
Rilpl2	1.40E-64	-1.135	0.187	0.65	3.47E-60	4
Tpi1	1.48E-64	-1.255	0.154	0.606	3.68E-60	4
Atp6v0e	4.19E-64	-0.988	0.238	0.717	1.04E-59	4
Txn1	5.81E-64	-1.070	0.518	0.857	1.44E-59	4
Gda	7.05E-64	-1.567	0.016	0.419	1.75E-59	4
Dbi	1.07E-63	-1.069	0.142	0.599	2.65E-59	4
Rbm47	2.13E-63	-1.101	0.012	0.413	5.29E-59	4
Ost4	7.76E-63	-0.804	0.142	0.617	1.93E-58	4
Gramd3	9.73E-63	1.881	0.368	0.128	2.42E-58	4
Prkcd	1.30E-62	-0.892	0.14	0.614	3.22E-58	4
Anxa4	1.86E-62	-1.105	0.037	0.449	4.63E-58	4
Cd2	2.94E-62	1.312	0.396	0.131	7.29E-58	4
Crem	5.39E-62	1.513	0.756	0.611	1.34E-57	4
Pfn1	7.78E-62	-0.878	0.589	0.884	1.93E-57	4
Ctsc	8.34E-62	-1.536	0.203	0.624	2.07E-57	4
Dusp3	9.60E-62	-0.936	0.016	0.413	2.39E-57	4
Pld4	1.61E-61	-1.071	0.018	0.415	4.00E-57	4
Cmtm3	2.51E-61	-0.984	0.024	0.423	6.24E-57	4
Lhfpl2	2.94E-61	-2.075	0.024	0.417	7.31E-57	4
Pla2g7	3.45E-61	-1.776	0.014	0.401	8.57E-57	4
Lat	4.73E-61	1.469	0.348	0.112	1.18E-56	4
Itgb2	1.89E-60	-1.066	0.303	0.735	4.70E-56	4
Ralb	2.05E-60	-0.927	0.018	0.411	5.09E-56	4
Bach1	2.40E-60	-1.126	0.114	0.546	5.97E-56	4
Osm	2.60E-60	-1.750	0.035	0.43	6.46E-56	4
Clec4a2	2.95E-60	-1.240	0.004	0.384	7.34E-56	4

Skap1	3.25E-60	1.103	0.278	0.073	8.06E-56	4
H2-DMA	3.27E-60	-1.281	0.026	0.416	8.13E-56	4
Rab7	1.47E-59	-1.079	0.425	0.849	3.64E-55	4
Slc11a1	2.44E-59	-1.270	0.016	0.398	6.06E-55	4
Rab20	3.51E-59	-1.348	0.035	0.423	8.73E-55	4
Gusb	4.90E-59	-1.021	0.03	0.418	1.22E-54	4
1-Sep	8.99E-59	1.214	0.388	0.136	2.23E-54	4
C1qb	9.51E-59	-2.945	0.049	0.423	2.36E-54	4
Atp6ap2	1.28E-58	-0.942	0.226	0.679	3.18E-54	4
Emp1	1.72E-58	-1.656	0.11	0.509	4.28E-54	4
Pgk1	3.00E-58	-1.173	0.348	0.754	7.46E-54	4
Gpr35	3.61E-58	-1.235	0.012	0.388	8.97E-54	4
Ets2	5.02E-58	-1.160	0.199	0.65	1.25E-53	4
Cfl1	1.01E-57	-0.664	0.843	0.975	2.50E-53	4
Lrp1	1.62E-57	-1.095	0.006	0.374	4.01E-53	4
Cdkn1a	1.90E-57	-0.995	0.368	0.797	4.71E-53	4
Tbc1d9	1.94E-57	-1.011	0.002	0.368	4.81E-53	4
Ccr12	2.66E-57	-1.881	0.102	0.503	6.60E-53	4
Tuba1c	7.05E-57	-1.129	0.313	0.761	1.75E-52	4
Fcgr1	7.32E-57	-1.229	0.002	0.364	1.82E-52	4
Soat1	1.51E-56	-0.918	0.085	0.499	3.75E-52	4
Gimap3	1.81E-56	1.360	0.252	0.063	4.49E-52	4
Capg	1.82E-56	-1.039	0.15	0.573	4.53E-52	4
Cebpa	1.91E-56	-1.263	0.014	0.383	4.73E-52	4
Cd86	3.38E-56	-0.877	0.03	0.413	8.39E-52	4
Nceh1	4.27E-56	-1.037	0.02	0.393	1.06E-51	4
Rhob	4.59E-56	-1.886	0.185	0.57	1.14E-51	4
Msr1	4.65E-56	-1.511	0.004	0.363	1.15E-51	4
Rgl1	6.75E-56	-1.328	0.016	0.383	1.68E-51	4
Dstn	1.01E-55	-0.879	0.065	0.47	2.51E-51	4
M6pr	1.30E-55	-0.851	0.22	0.662	3.23E-51	4
Gns	1.75E-55	-0.979	0.057	0.447	4.35E-51	4
Clec4e	2.89E-55	-2.475	0.01	0.368	7.18E-51	4
Gsn	3.54E-55	-0.891	0.016	0.382	8.79E-51	4
Clta	4.33E-55	-0.807	0.266	0.714	1.07E-50	4
Arpc5	5.10E-55	-0.839	0.394	0.798	1.27E-50	4
Mmp19	6.64E-55	-1.661	0.018	0.38	1.65E-50	4
Aldh2	6.80E-55	-0.985	0.01	0.368	1.69E-50	4
Anxa1	1.45E-54	-1.406	0.075	0.458	3.61E-50	4
Cd83	2.09E-54	-1.197	0.071	0.456	5.19E-50	4
Ccr5	2.38E-54	-0.976	0.108	0.521	5.90E-50	4
Pomp	3.35E-54	-0.772	0.175	0.624	8.33E-50	4
Rtn4	3.59E-54	-0.775	0.211	0.66	8.92E-50	4
Atp6v1e1	4.00E-54	-0.920	0.189	0.638	9.94E-50	4
Ppp1r16b	8.21E-54	1.359	0.303	0.095	2.04E-49	4
Clec4a1	1.04E-53	-1.170	0.002	0.349	2.58E-49	4

Tcirg1	1.24E-53	-0.870	0.108	0.526	3.08E-49	4
St3gal1	1.53E-53	-0.904	0.096	0.503	3.80E-49	4
Stk17b	1.98E-53	1.377	0.732	0.619	4.91E-49	4
Sem1	5.60E-53	-0.736	0.272	0.729	1.39E-48	4
Rrbp1	6.50E-53	-0.851	0.295	0.727	1.61E-48	4
Tnfaip2	6.66E-53	-1.186	0.012	0.364	1.65E-48	4
Bri3	8.11E-53	-0.732	0.075	0.473	2.01E-48	4
Plekho1	1.07E-52	-0.779	0.008	0.357	2.67E-48	4
Ctsd	1.39E-52	-1.486	0.23	0.615	3.44E-48	4
Gpr137b	1.39E-52	-0.997	0.018	0.371	3.45E-48	4
Eif4e	1.41E-52	-1.081	0.287	0.708	3.51E-48	4
Myadm	1.46E-52	-0.837	0.057	0.437	3.61E-48	4
B4galt5	1.62E-52	-0.881	0.102	0.505	4.02E-48	4
Mfsd1	1.73E-52	-0.847	0.067	0.451	4.30E-48	4
Anxa2	2.25E-52	-1.040	0.354	0.746	5.60E-48	4
Asah1	2.61E-52	-0.852	0.024	0.38	6.49E-48	4
Sdc4	2.66E-52	-1.182	0.148	0.548	6.60E-48	4
Cnbp	3.21E-52	1.065	0.805	0.784	7.97E-48	4
Atp6ap1	3.73E-52	-0.864	0.152	0.571	9.27E-48	4
Ptms	8.60E-52	-1.008	0.293	0.705	2.14E-47	4
Mif	8.99E-52	-1.008	0.157	0.564	2.23E-47	4
Naaa	1.08E-51	-1.400	0.014	0.359	2.69E-47	4
Uqcrq	1.47E-51	-0.737	0.128	0.548	3.64E-47	4
Gltp	1.67E-51	-0.861	0.154	0.57	4.15E-47	4
Erp29	2.04E-51	-0.746	0.093	0.489	5.08E-47	4
Prcp	2.20E-51	-0.780	0.028	0.385	5.46E-47	4
Antxr2	2.80E-51	-1.033	0.073	0.451	6.96E-47	4
Pid1	2.93E-51	-0.936	0.008	0.349	7.27E-47	4
Ddx5	3.11E-51	0.743	0.947	0.956	7.72E-47	4
Zfp36l2	3.15E-51	1.251	0.846	0.766	7.82E-47	4
Cln3	1.05E-50	-0.943	0.039	0.4	2.62E-46	4
Aldoa	1.11E-50	-1.037	0.486	0.845	2.75E-46	4
Nuak2	1.16E-50	-0.990	0.02	0.367	2.89E-46	4
Lst1	1.40E-50	-1.043	0.012	0.348	3.48E-46	4
Atp6v1f	1.59E-50	-0.706	0.167	0.604	3.96E-46	4
Cln8	1.64E-50	-0.871	0.018	0.363	4.08E-46	4
Ndufc2	2.06E-50	-0.662	0.055	0.428	5.12E-46	4
Vamp8	3.11E-50	-0.595	0.114	0.524	7.72E-46	4
P2ry10	3.12E-50	1.419	0.506	0.259	7.74E-46	4
C1qc	3.15E-50	-2.693	0.051	0.388	7.82E-46	4
Eid1	3.30E-50	-0.689	0.087	0.479	8.19E-46	4
Rsu1	3.66E-50	-0.687	0.049	0.416	9.09E-46	4
Rps24	3.95E-50	0.862	0.85	0.873	9.82E-46	4
Tmem106a	4.34E-50	-0.857	0.004	0.335	1.08E-45	4
Pvr	4.54E-50	-0.887	0.055	0.423	1.13E-45	4
H2-DMb1	6.97E-50	-1.016	0.002	0.331	1.73E-45	4

Chmp2a	7.62E-50	-0.663	0.104	0.507	1.89E-45	4
Cd300a	8.23E-50	-0.877	0.006	0.338	2.05E-45	4
Fos	8.58E-50	-1.015	0.244	0.649	2.13E-45	4
Sowahc	9.78E-50	-1.000	0.008	0.34	2.43E-45	4
Pdia6	1.04E-49	-0.757	0.12	0.517	2.59E-45	4
Syngn2	1.16E-49	-1.146	0.128	0.52	2.89E-45	4
Entpd1	1.97E-49	-1.097	0.022	0.364	4.88E-45	4
Rpl17	2.53E-49	0.742	0.882	0.899	6.29E-45	4
Ifi204	3.45E-49	-1.068	0.012	0.345	8.57E-45	4
Jun	3.58E-49	-1.522	0.258	0.652	8.89E-45	4
Lasp1	4.40E-49	-0.760	0.226	0.674	1.09E-44	4
Mbnl2	4.99E-49	-0.810	0.126	0.523	1.24E-44	4
Ccl2	6.42E-49	-2.122	0.022	0.353	1.60E-44	4
Kdm2b	6.69E-49	1.649	0.451	0.225	1.66E-44	4
Tmem14c	6.98E-49	-0.646	0.106	0.501	1.73E-44	4
Synj1	8.46E-49	-0.683	0.089	0.472	2.10E-44	4
Rnf130	8.71E-49	-0.879	0.081	0.449	2.16E-44	4
Lrrc25	1.22E-48	-0.835	0	0.32	3.04E-44	4
Clec4a3	1.50E-48	-0.971	0.006	0.33	3.74E-44	4
Ii1b	1.59E-48	-2.783	0.012	0.339	3.96E-44	4
Jdp2	1.67E-48	-0.929	0.1	0.481	4.14E-44	4
Brk1	3.72E-48	-0.589	0.128	0.535	9.25E-44	4
Ninj1	3.87E-48	-0.865	0.067	0.426	9.62E-44	4
Flrt3	4.33E-48	-1.853	0.014	0.337	1.08E-43	4
Mrc1	4.59E-48	-1.712	0.026	0.357	1.14E-43	4
Ssfa2	4.65E-48	-0.705	0.065	0.431	1.16E-43	4
Picalm	5.18E-48	-0.807	0.522	0.841	1.29E-43	4
Atf3	7.22E-48	-1.314	0.136	0.507	1.79E-43	4
Eno1b	1.31E-47	-0.694	0.057	0.415	3.25E-43	4
Sec61g	1.38E-47	-0.773	0.335	0.734	3.44E-43	4
Atp5k	1.53E-47	-0.651	0.15	0.557	3.79E-43	4
Hpcal1	2.09E-47	-0.733	0.104	0.488	5.20E-43	4
Capzb	3.75E-47	-0.767	0.455	0.808	9.31E-43	4
Smim3	4.65E-47	-0.992	0.14	0.529	1.15E-42	4
Stom	5.45E-47	-0.740	0.01	0.331	1.35E-42	4
Arl8a	6.23E-47	-0.647	0.069	0.435	1.55E-42	4
Uvrag	6.55E-47	-0.707	0.079	0.448	1.63E-42	4
Reep5	6.66E-47	-0.798	0.234	0.645	1.65E-42	4
Nfe2l2	7.00E-47	-0.934	0.209	0.604	1.74E-42	4
CD4-pAbO (Ab)	1.18E-46	2.805	0.837	0.884	2.93E-42	4
Pirb	1.30E-46	-0.748	0.012	0.332	3.23E-42	4
Ist1	1.47E-46	-0.652	0.236	0.666	3.65E-42	4
Psenen	1.99E-46	-0.584	0.183	0.616	4.95E-42	4
Cd3g	2.09E-46	1.029	0.339	0.118	5.20E-42	4
Lat2	2.17E-46	-0.840	0.053	0.396	5.39E-42	4
Nampt	2.18E-46	-0.799	0.183	0.589	5.41E-42	4



Snx5	2.77E-46	-0.701	0.22	0.631	6.89E-42	4
Alcam	2.85E-46	-0.780	0.035	0.37	7.09E-42	4
Kif1c	5.03E-46	-0.644	0.061	0.416	1.25E-41	4
Rap2b	5.82E-46	-0.835	0.071	0.425	1.45E-41	4
Apobec1	6.17E-46	-0.969	0.022	0.345	1.53E-41	4
Actr3	7.18E-46	-0.810	0.6	0.864	1.78E-41	4
Ptpre	9.85E-46	-1.015	0.059	0.403	2.45E-41	4
Cd24a	1.09E-45	-2.375	0.024	0.34	2.72E-41	4
Adgre1	1.10E-45	-1.224	0.01	0.322	2.74E-41	4
Ptprj	1.11E-45	-0.597	0.085	0.456	2.75E-41	4
Riok3	1.30E-45	-0.698	0.173	0.585	3.22E-41	4
Slc7a8	1.59E-45	-0.980	0.022	0.343	3.95E-41	4
Plekhm2	1.64E-45	-0.742	0.03	0.36	4.08E-41	4
Myo5a	1.72E-45	-0.701	0.037	0.369	4.28E-41	4
Tiparp	3.67E-45	-1.010	0.228	0.619	9.12E-41	4
H3f3a	3.85E-45	-0.658	0.746	0.949	9.56E-41	4
Bax	3.87E-45	-0.515	0.148	0.556	9.62E-41	4
Atp6v0d1	4.29E-45	-0.705	0.154	0.554	1.07E-40	4
Ldlr	5.35E-45	-0.882	0.035	0.362	1.33E-40	4
Bsg	7.14E-45	-0.775	0.195	0.597	1.77E-40	4
Snap23	7.41E-45	-0.685	0.049	0.386	1.84E-40	4
Atp6v1d	7.66E-45	-0.584	0.132	0.528	1.90E-40	4
Cops9	8.83E-45	-0.553	0.108	0.487	2.19E-40	4
Rab1a	1.14E-44	-0.778	0.411	0.777	2.83E-40	4
Cox6b1	1.22E-44	-0.702	0.317	0.72	3.03E-40	4
Baz2b	1.79E-44	-0.815	0.055	0.393	4.44E-40	4
Fndc3b	1.95E-44	-0.790	0.03	0.352	4.84E-40	4
Cflar	2.10E-44	-0.683	0.205	0.622	5.22E-40	4
Cbfa2t3	2.38E-44	-1.322	0.035	0.353	5.91E-40	4
Plekho2	2.43E-44	-0.649	0.128	0.507	6.04E-40	4
Sdf2l1	2.70E-44	-0.695	0.037	0.362	6.71E-40	4
Zfand2a	2.94E-44	-0.795	0.061	0.402	7.30E-40	4
Ccdc88a	5.02E-44	-1.010	0.014	0.321	1.25E-39	4
Slamf7	5.52E-44	-0.973	0.039	0.36	1.37E-39	4
Rpl5	5.70E-44	0.847	0.831	0.809	1.42E-39	4
Cd300c2	5.86E-44	-0.749	0.004	0.303	1.46E-39	4
Adam15	6.64E-44	-0.701	0.028	0.349	1.65E-39	4
Ak2	7.43E-44	-0.585	0.089	0.452	1.85E-39	4
Tkt	7.82E-44	-0.590	0.124	0.505	1.94E-39	4
Fcgr4	9.41E-44	-1.115	0.002	0.298	2.34E-39	4
Tnfrsf1a	1.06E-43	-0.656	0.03	0.351	2.64E-39	4
Clec4n	1.36E-43	-1.157	0.004	0.301	3.39E-39	4
Uqcr11	1.51E-43	-0.558	0.067	0.412	3.75E-39	4
Sh3bgrl	1.58E-43	-0.703	0.165	0.549	3.93E-39	4
Wdr1	2.81E-43	-0.648	0.169	0.562	6.97E-39	4
Psmc8	3.05E-43	-0.583	0.146	0.538	7.57E-39	4

Snx10	3.15E-43	-0.743	0.022	0.334	7.82E-39	4
Rala	3.73E-43	-0.631	0.089	0.445	9.26E-39	4
C1qa	4.93E-43	-2.144	0.008	0.303	1.22E-38	4
Pltp	4.98E-43	-1.489	0.008	0.304	1.24E-38	4
Mpp1	5.16E-43	-0.821	0.033	0.347	1.28E-38	4
2310022A10Rik	6.71E-43	-0.764	0.022	0.331	1.67E-38	4
Rab32	6.88E-43	-0.716	0.006	0.301	1.71E-38	4
Bag3	6.98E-43	-0.638	0.096	0.458	1.73E-38	4
Arl8b	7.04E-43	-0.553	0.165	0.561	1.75E-38	4
Por	7.17E-43	-0.716	0.171	0.559	1.78E-38	4
Tmsb4x	7.39E-43	-0.809	0.898	0.978	1.83E-38	4
Npc1	8.02E-43	-0.685	0.077	0.424	1.99E-38	4
Vat1	8.22E-43	-0.809	0.075	0.415	2.04E-38	4
Cox7b	1.21E-42	-0.587	0.191	0.599	3.00E-38	4
Vdac1	1.48E-42	-0.675	0.138	0.514	3.68E-38	4
Slc29a3	2.06E-42	-0.654	0.01	0.307	5.11E-38	4
Gnb2	2.26E-42	-0.489	0.201	0.615	5.62E-38	4
Gcsh	2.32E-42	-0.810	0.037	0.352	5.77E-38	4
Vps26a	2.71E-42	-0.604	0.079	0.426	6.74E-38	4
Odc1	2.83E-42	1.530	0.744	0.68	7.02E-38	4
Sod2	2.89E-42	-1.007	0.181	0.558	7.18E-38	4
Gng12	3.63E-42	-0.628	0.026	0.335	9.03E-38	4
Atp5g1	3.65E-42	-0.541	0.157	0.545	9.06E-38	4
Atp6v1h	3.80E-42	-0.728	0.132	0.499	9.45E-38	4
Hmgal	5.93E-42	-0.581	0.043	0.362	1.47E-37	4
Rps27l	6.66E-42	-0.703	0.128	0.499	1.65E-37	4
Fosl2	7.53E-42	1.267	0.762	0.775	1.87E-37	4
Aprt	7.60E-42	-0.595	0.053	0.38	1.89E-37	4
Abca1	8.70E-42	-1.058	0.024	0.325	2.16E-37	4
Pfkfb3	1.10E-41	-0.926	0.043	0.357	2.73E-37	4
Clec12a	1.21E-41	-0.832	0.004	0.291	3.00E-37	4
Metrl1	1.24E-41	-0.718	0.116	0.47	3.07E-37	4
Hsp90ab1	1.31E-41	0.914	0.888	0.886	3.26E-37	4
Eef1a1	1.43E-41	0.676	0.894	0.958	3.54E-37	4
Lamtor3	1.97E-41	-0.584	0.037	0.349	4.91E-37	4
Tmed10	2.21E-41	-0.625	0.22	0.62	5.49E-37	4
Tpp1	2.43E-41	-0.767	0.091	0.429	6.04E-37	4
Gdel	2.44E-41	-0.856	0.03	0.333	6.05E-37	4
Bst2	2.69E-41	-0.697	0.057	0.381	6.68E-37	4
Ap2s1	2.85E-41	-0.473	0.061	0.394	7.08E-37	4
Sh3pxd2b	3.07E-41	-0.614	0.004	0.288	7.64E-37	4
Bnip3	3.30E-41	-1.219	0.024	0.322	8.19E-37	4
Rps13	3.45E-41	0.771	0.835	0.873	8.57E-37	4
Tlr2	3.73E-41	-1.039	0.008	0.294	9.27E-37	4
Rabgef1	3.87E-41	-0.766	0.102	0.45	9.61E-37	4
Rab5c	4.80E-41	-0.611	0.228	0.636	1.19E-36	4

P4hb	5.13E-41	-0.824	0.366	0.739	1.27E-36	4
Cd69	5.53E-41	1.814	0.297	0.111	1.37E-36	4
Rragc	5.63E-41	-0.573	0.148	0.524	1.40E-36	4
Ndufc1	5.89E-41	-0.528	0.049	0.369	1.46E-36	4
Pip5k1c	6.01E-41	-0.585	0.181	0.578	1.49E-36	4
Uck2	6.14E-41	-0.900	0.112	0.451	1.53E-36	4
Gapdh	7.34E-41	-0.878	0.811	0.941	1.82E-36	4
Fam49b	7.59E-41	-0.562	0.226	0.637	1.88E-36	4
Cyfip1	8.04E-41	-0.530	0.059	0.388	2.00E-36	4
Ncf1	8.85E-41	-0.808	0.006	0.289	2.20E-36	4
Lipa	1.26E-40	-0.927	0.053	0.366	3.12E-36	4
Sgms2	1.37E-40	-1.321	0.006	0.287	3.39E-36	4
Creg1	1.80E-40	-0.795	0.085	0.416	4.46E-36	4
F13a1	1.82E-40	-1.630	0.008	0.289	4.52E-36	4
Sra1	1.82E-40	-0.587	0.12	0.485	4.52E-36	4
Pmepal	1.85E-40	1.485	0.417	0.213	4.59E-36	4
Ndufa7	2.53E-40	-0.468	0.128	0.499	6.28E-36	4
Tmem258	3.37E-40	-0.575	0.157	0.536	8.37E-36	4
Ndufb3	3.71E-40	-0.519	0.089	0.438	9.22E-36	4
Plau	4.05E-40	-1.349	0.03	0.322	1.01E-35	4
Snx2	4.17E-40	-0.601	0.106	0.456	1.04E-35	4
Ndufa3	4.81E-40	-0.439	0.13	0.502	1.19E-35	4
Snx8	5.20E-40	-0.657	0.012	0.296	1.29E-35	4
Bmp2k	5.21E-40	-0.497	0.067	0.396	1.29E-35	4
Hck	5.75E-40	-0.777	0.004	0.281	1.43E-35	4
Snx1	6.20E-40	-0.541	0.104	0.452	1.54E-35	4
Tspan3	6.28E-40	-0.832	0.051	0.36	1.56E-35	4
Rbms1	6.69E-40	-0.709	0.295	0.702	1.66E-35	4
Anpep	7.05E-40	-0.938	0.006	0.284	1.75E-35	4
Ifngr2	7.31E-40	-0.540	0.026	0.324	1.82E-35	4
Phf23	8.37E-40	-0.543	0.122	0.486	2.08E-35	4
Tns3	8.76E-40	-0.674	0.006	0.284	2.18E-35	4
Il6ra	9.49E-40	-0.502	0.075	0.411	2.36E-35	4
Cpne2	1.03E-39	-0.789	0.006	0.283	2.56E-35	4
Agpat4	1.40E-39	-0.732	0.057	0.373	3.47E-35	4
Cd44	1.43E-39	-0.878	0.48	0.835	3.55E-35	4
Sirpb1c	1.47E-39	-0.893	0.008	0.287	3.65E-35	4
Tspo	1.49E-39	-0.652	0.224	0.598	3.70E-35	4
Havcr2	1.79E-39	-0.662	0.047	0.357	4.44E-35	4
Capn2	2.05E-39	-0.599	0.124	0.488	5.10E-35	4
Ifnar2	2.46E-39	-0.612	0.059	0.375	6.12E-35	4
Rgs2	2.54E-39	1.449	0.77	0.712	6.31E-35	4
Olfm1	2.93E-39	-0.892	0.022	0.307	7.28E-35	4
Pdxk	3.90E-39	-0.658	0.033	0.33	9.69E-35	4
Smad7	4.58E-39	1.449	0.543	0.375	1.14E-34	4
Atp5mpl	5.19E-39	-0.519	0.136	0.498	1.29E-34	4

Map2k1	5.79E-39	-0.522	0.114	0.466	1.44E-34	4
Rbx1	7.68E-39	-0.495	0.171	0.561	1.91E-34	4
Calm3	9.04E-39	-0.502	0.134	0.499	2.24E-34	4
Eif1a	9.38E-39	-0.515	0.163	0.538	2.33E-34	4
Znhit1	9.45E-39	-0.504	0.037	0.336	2.35E-34	4
Bak1	1.06E-38	-0.380	0.059	0.377	2.64E-34	4
Atp5j	1.12E-38	-0.514	0.171	0.55	2.77E-34	4
Psm7	1.13E-38	-0.386	0.089	0.431	2.80E-34	4
Lamtor1	1.30E-38	-0.513	0.041	0.342	3.23E-34	4
Vps18	1.30E-38	-0.639	0.033	0.327	3.23E-34	4
Arap1	1.45E-38	-0.676	0.033	0.325	3.61E-34	4
Sbno2	1.47E-38	-0.575	0.096	0.433	3.66E-34	4
Pi4k2a	1.67E-38	-0.574	0.059	0.371	4.14E-34	4
Hsd17b12	1.71E-38	-0.421	0.102	0.446	4.25E-34	4
Flcn	1.92E-38	-0.536	0.183	0.563	4.76E-34	4
Vsir	2.09E-38	-0.618	0.071	0.391	5.18E-34	4
Cd9	2.59E-38	-1.300	0.161	0.489	6.43E-34	4
Gas2l3	2.63E-38	-0.600	0.067	0.383	6.54E-34	4
Trappc1	2.71E-38	-0.497	0.02	0.303	6.74E-34	4
Etv3	2.96E-38	-0.875	0.165	0.513	7.36E-34	4
Fkbp2	3.76E-38	-0.445	0.049	0.355	9.34E-34	4
Ptgs2	4.02E-38	-2.458	0.03	0.311	9.99E-34	4
Prrc2c	4.33E-38	1.210	0.701	0.674	1.08E-33	4
Trappc2l	4.63E-38	-0.453	0.026	0.315	1.15E-33	4
Slc39a1	4.74E-38	-0.438	0.1	0.44	1.18E-33	4
Sh3bgrl3	6.54E-38	-0.724	0.624	0.862	1.62E-33	4
F10	6.58E-38	-1.180	0.006	0.272	1.63E-33	4
Gnai2	7.03E-38	-0.608	0.551	0.82	1.75E-33	4
Tnfsf12	8.17E-38	-0.654	0.006	0.272	2.03E-33	4
Snx6	9.41E-38	-0.564	0.065	0.377	2.34E-33	4
Adam17	9.71E-38	-0.405	0.116	0.468	2.41E-33	4
Ehd4	9.74E-38	-0.625	0.13	0.474	2.42E-33	4
Ndufs5	9.88E-38	-0.463	0.063	0.378	2.45E-33	4
Igsf6	1.01E-37	-0.807	0.004	0.267	2.50E-33	4
Zmiz1	1.05E-37	-0.515	0.159	0.532	2.61E-33	4
Nr4a3	1.31E-37	1.087	0.64	0.478	3.26E-33	4
Dusp2	1.45E-37	1.628	0.581	0.435	3.60E-33	4
Banf1	1.47E-37	-0.441	0.102	0.445	3.64E-33	4
Wsb2	1.54E-37	-0.582	0.041	0.334	3.83E-33	4
Slc8b1	1.64E-37	-0.648	0.018	0.294	4.08E-33	4
Gsto1	1.86E-37	-0.396	0.079	0.404	4.63E-33	4
1700017B05Rik	2.23E-37	-0.705	0.11	0.443	5.55E-33	4
Cyp4f18	2.34E-37	-1.854	0.012	0.279	5.80E-33	4
Pdlim5	2.42E-37	-0.454	0.077	0.399	6.01E-33	4
Coro1b	2.44E-37	-0.399	0.075	0.397	6.07E-33	4
Man2b1	2.52E-37	-0.600	0.098	0.427	6.25E-33	4

Neurl3	3.17E-37	1.360	0.547	0.382	7.87E-33	4
Ctnna1	3.28E-37	-0.650	0.108	0.441	8.16E-33	4
Ndufab1	3.55E-37	-0.435	0.089	0.417	8.81E-33	4
Fam214b	3.72E-37	-0.602	0.043	0.337	9.25E-33	4
Sp140	3.78E-37	-0.756	0.081	0.397	9.38E-33	4
Grap2	4.09E-37	1.734	0.321	0.141	1.02E-32	4
Rab11a	4.84E-37	-0.523	0.157	0.524	1.20E-32	4
Stx3	5.20E-37	-0.665	0.026	0.305	1.29E-32	4
Gyg	5.41E-37	-0.862	0.053	0.347	1.34E-32	4
D16Ert472e	5.57E-37	1.300	0.494	0.29	1.38E-32	4
Tmem256	6.61E-37	-0.438	0.037	0.326	1.64E-32	4
Cox7a2	1.19E-36	-0.464	0.191	0.574	2.96E-32	4
Rgs16	1.38E-36	1.368	0.26	0.09	3.43E-32	4
Plxnb2	1.40E-36	-0.543	0.002	0.258	3.47E-32	4
Rps3	1.44E-36	0.703	0.827	0.863	3.57E-32	4
Sypl	1.82E-36	-0.531	0.073	0.384	4.52E-32	4
Lrrc58	1.88E-36	-0.500	0.244	0.629	4.68E-32	4
Mapk3	1.91E-36	-0.518	0.067	0.374	4.73E-32	4
Entpd7	1.97E-36	-0.691	0.03	0.308	4.89E-32	4
Cd93	2.16E-36	-0.952	0.01	0.27	5.37E-32	4
Hsbp1	2.17E-36	-0.456	0.081	0.402	5.38E-32	4
Piezo1	2.30E-36	-0.569	0.14	0.485	5.72E-32	4
Pgd	2.64E-36	-0.536	0.122	0.456	6.55E-32	4
Eaf1	2.65E-36	-0.475	0.091	0.413	6.59E-32	4
Mindy1	2.78E-36	-0.713	0.02	0.29	6.89E-32	4
Anxa11	3.57E-36	-0.507	0.187	0.561	8.87E-32	4
Myof	3.57E-36	-0.628	0	0.252	8.87E-32	4
Nfam1	3.86E-36	-0.749	0.008	0.266	9.59E-32	4
Pcyt1a	4.28E-36	-0.585	0.14	0.483	1.06E-31	4
Vps35	4.38E-36	-0.341	0.116	0.459	1.09E-31	4
Plcg2	5.12E-36	-0.591	0.026	0.298	1.27E-31	4
Akt1	5.26E-36	-0.457	0.122	0.467	1.31E-31	4
Psmb4	7.18E-36	-0.399	0.191	0.577	1.78E-31	4
Nckap11	7.63E-36	-0.473	0.116	0.451	1.90E-31	4
Mcf2	9.54E-36	-0.637	0.022	0.291	2.37E-31	4
Ppp1r2	9.81E-36	-0.528	0.13	0.471	2.44E-31	4
Rps3a1	1.07E-35	0.697	0.829	0.843	2.66E-31	4
Noct	1.12E-35	-0.723	0.087	0.399	2.79E-31	4
Lgals1	1.30E-35	-0.939	0.437	0.727	3.24E-31	4
Cnih4	1.33E-35	-0.387	0.057	0.357	3.31E-31	4
Lrrfip2	1.38E-35	-0.616	0.063	0.361	3.44E-31	4
Nme1	1.53E-35	-0.576	0.118	0.444	3.80E-31	4
Spp1	1.60E-35	-2.848	0.024	0.286	3.98E-31	4
Ywhag	1.67E-35	-0.475	0.195	0.573	4.15E-31	4
Cd300ld	1.76E-35	-0.810	0.004	0.255	4.38E-31	4
Vapa	2.02E-35	-0.531	0.26	0.65	5.02E-31	4

Snx3	2.19E-35	-0.526	0.329	0.703	5.45E-31	4
Cmpk1	2.32E-35	-0.384	0.14	0.492	5.76E-31	4
Ms4a4c	2.62E-35	-1.127	0.043	0.313	6.50E-31	4
Pf4	2.74E-35	-2.025	0.008	0.259	6.81E-31	4
Gimp	2.75E-35	-0.377	0.085	0.405	6.82E-31	4
Tmbim4	2.78E-35	-0.487	0.063	0.363	6.90E-31	4
Cttnbp2nl	2.97E-35	-0.543	0.008	0.262	7.38E-31	4
Pgap2	3.08E-35	-0.498	0.018	0.281	7.65E-31	4
Scamp2	3.28E-35	-0.382	0.091	0.411	8.16E-31	4
Golga7	3.34E-35	-0.290	0.126	0.471	8.30E-31	4
Cox5b	3.95E-35	-0.467	0.187	0.562	9.82E-31	4
Ap2m1	4.03E-35	-0.634	0.285	0.659	1.00E-30	4
Sirt2	4.04E-35	-0.327	0.102	0.428	1.00E-30	4
Ndufv3	4.28E-35	-0.390	0.144	0.496	1.06E-30	4
Chmp4b	4.46E-35	-0.605	0.364	0.769	1.11E-30	4
Man2a1	4.78E-35	-0.489	0.089	0.403	1.19E-30	4
Etv6	4.88E-35	-0.506	0.047	0.33	1.21E-30	4
Smdt1	4.95E-35	-0.428	0.057	0.353	1.23E-30	4
Cnpy3	5.17E-35	-0.434	0.041	0.322	1.29E-30	4
Ms4a7	5.21E-35	-1.634	0.016	0.269	1.29E-30	4
Npepps	6.02E-35	-0.587	0.154	0.501	1.50E-30	4
Renbp	6.43E-35	-0.527	0.01	0.264	1.60E-30	4
Sf3b1	6.70E-35	1.053	0.762	0.814	1.66E-30	4
Stx12	8.38E-35	-0.450	0.028	0.298	2.08E-30	4
Chmp3	9.82E-35	-0.458	0.043	0.324	2.44E-30	4
Ttyh3	1.04E-34	-0.506	0.059	0.349	2.59E-30	4
mt-Co1	1.15E-34	0.509	0.998	0.994	2.86E-30	4
Rps14	1.22E-34	0.736	0.825	0.871	3.04E-30	4
Comt	1.37E-34	-0.540	0.03	0.297	3.40E-30	4
Larp4b	1.42E-34	-0.365	0.154	0.509	3.52E-30	4
Sdhd	1.43E-34	-0.408	0.14	0.486	3.54E-30	4
Ckap4	1.45E-34	-0.689	0.018	0.277	3.61E-30	4
Cux1	1.50E-34	-0.455	0.106	0.426	3.72E-30	4
Arf2	1.52E-34	-0.541	0.033	0.302	3.78E-30	4
Txnrd1	1.59E-34	-0.571	0.122	0.45	3.95E-30	4
Sec61b	1.66E-34	-0.588	0.262	0.632	4.13E-30	4
Il1r2	1.73E-34	-1.490	0.059	0.334	4.30E-30	4
Ehd1	1.73E-34	-0.533	0.116	0.441	4.30E-30	4
Irf5	1.78E-34	-0.555	0.022	0.283	4.43E-30	4
Mef2a	1.91E-34	-0.386	0.124	0.458	4.74E-30	4
Rps15a	2.07E-34	0.867	0.766	0.763	5.14E-30	4
Fuca1	2.11E-34	-0.370	0.051	0.338	5.25E-30	4
Arl4c	2.24E-34	-0.816	0.358	0.709	5.57E-30	4
Dap	2.58E-34	-0.469	0.079	0.382	6.41E-30	4
Aph1a	2.62E-34	-0.324	0.069	0.371	6.51E-30	4
Arl1	2.81E-34	-0.367	0.089	0.403	6.98E-30	4

Ablim1	3.37E-34	1.151	0.287	0.113	8.36E-30	4
Swi5	4.03E-34	-0.375	0.12	0.454	1.00E-29	4
Capns1	4.04E-34	-0.442	0.177	0.537	1.00E-29	4
Kmt2e	4.87E-34	1.169	0.699	0.684	1.21E-29	4
Tcf4	4.98E-34	-0.604	0.043	0.316	1.24E-29	4
Runx1	5.22E-34	-0.467	0.161	0.506	1.30E-29	4
Arrdc4	6.24E-34	-0.836	0.012	0.261	1.55E-29	4
Dirc2	6.35E-34	-0.568	0.037	0.306	1.58E-29	4
Spg21	7.57E-34	-0.430	0.091	0.401	1.88E-29	4
Atp6v0a1	8.06E-34	-0.573	0.012	0.261	2.00E-29	4
Cers6	9.19E-34	-0.634	0.028	0.288	2.28E-29	4
Cyb5r3	1.04E-33	-0.456	0.047	0.324	2.58E-29	4
P2rx4	1.08E-33	-0.535	0.022	0.279	2.68E-29	4
Ccl3	1.17E-33	-3.492	0.063	0.331	2.91E-29	4
Mrps21	1.28E-33	-0.381	0.087	0.397	3.17E-29	4
Fxyd5	1.58E-33	-0.612	0.431	0.789	3.93E-29	4
Trem1	1.70E-33	-1.545	0.008	0.251	4.23E-29	4
Psmb6	1.88E-33	-0.381	0.165	0.516	4.68E-29	4
Ap3s1	2.02E-33	-0.414	0.112	0.433	5.02E-29	4
Mrpl42	2.03E-33	-0.433	0.047	0.323	5.03E-29	4
Mafk	2.14E-33	-0.689	0.146	0.469	5.32E-29	4
PsmA6	2.15E-33	-0.382	0.126	0.461	5.33E-29	4
Osbpl8	2.24E-33	-0.528	0.193	0.547	5.57E-29	4
Pxn	2.40E-33	-0.545	0.093	0.398	5.95E-29	4
Lamtor4	2.64E-33	-0.404	0.039	0.307	6.57E-29	4
Rassf3	3.03E-33	-0.383	0.136	0.467	7.52E-29	4
Tubb5	3.03E-33	-0.730	0.22	0.568	7.54E-29	4
Med13l	3.57E-33	-0.495	0.126	0.45	8.86E-29	4
Gnpda1	4.13E-33	-0.460	0.026	0.284	1.03E-28	4
Txndc17	4.36E-33	-0.389	0.104	0.419	1.08E-28	4
Rap2a	4.52E-33	-0.514	0.067	0.353	1.12E-28	4
Clk1	4.59E-33	1.194	0.687	0.672	1.14E-28	4
Tmem167	4.73E-33	-0.378	0.13	0.462	1.17E-28	4
1810058I24Rik	4.98E-33	-0.448	0.083	0.383	1.24E-28	4
BC031181	5.00E-33	-0.345	0.102	0.416	1.24E-28	4
Leprot	5.18E-33	-0.392	0.077	0.374	1.29E-28	4
Ogfrl1	5.26E-33	-0.739	0.024	0.276	1.31E-28	4
Gpd2	5.38E-33	-0.625	0.047	0.316	1.34E-28	4
Ptbp1	5.45E-33	1.126	0.661	0.647	1.35E-28	4
Clic1	5.54E-33	-0.529	0.28	0.658	1.38E-28	4
Ifi27l2a	5.77E-33	-0.740	0.22	0.555	1.43E-28	4
Oxct1	5.77E-33	-0.416	0.079	0.374	1.43E-28	4
Tm6sf1	6.30E-33	-0.448	0.071	0.359	1.57E-28	4
Rnf13	6.34E-33	-0.385	0.049	0.324	1.57E-28	4
Tmbim1	6.81E-33	-0.402	0.045	0.316	1.69E-28	4
mt-Atp6	6.97E-33	0.537	1	0.983	1.73E-28	4

Tmed7	7.10E-33	-0.389	0.11	0.43	1.76E-28	4
Snx9	7.27E-33	-0.436	0.14	0.475	1.81E-28	4
Fam107b	7.29E-33	1.310	0.61	0.513	1.81E-28	4
Ccl4	8.74E-33	-3.214	0.079	0.347	2.17E-28	4
Eef2	8.75E-33	0.780	0.793	0.817	2.17E-28	4
Ube2m	8.86E-33	-0.341	0.093	0.404	2.20E-28	4
Rps7	8.92E-33	0.796	0.787	0.803	2.22E-28	4
Washc2	9.11E-33	-0.459	0.083	0.38	2.26E-28	4
Ube2l3	9.78E-33	-0.463	0.313	0.699	2.43E-28	4
Ptpn6	9.97E-33	-0.355	0.067	0.355	2.48E-28	4
Nestn	1.13E-32	-0.302	0.075	0.371	2.81E-28	4
Ptp4a2	1.14E-32	0.835	0.787	0.794	2.84E-28	4
Nedd8	1.15E-32	-0.435	0.197	0.563	2.85E-28	4
Snrpb2	1.20E-32	-0.305	0.142	0.488	2.98E-28	4
Mrpl52	1.34E-32	-0.310	0.089	0.396	3.33E-28	4
Uqcrb	1.36E-32	-0.494	0.242	0.608	3.38E-28	4
Zfand5	1.63E-32	-0.704	0.346	0.711	4.04E-28	4
Mapk6	1.65E-32	-0.447	0.22	0.591	4.10E-28	4
Mrpl33	1.89E-32	-0.352	0.157	0.499	4.69E-28	4
Dusp1	1.90E-32	-0.876	0.4	0.765	4.71E-28	4
Vgll4	1.96E-32	1.257	0.411	0.231	4.87E-28	4
Cyth1	2.09E-32	-0.443	0.108	0.42	5.18E-28	4
Nfic	2.14E-32	-0.705	0.063	0.337	5.32E-28	4
Tmed3	2.36E-32	-0.335	0.028	0.282	5.87E-28	4
Coro1c	2.78E-32	-0.464	0.15	0.482	6.90E-28	4
Klf6	3.21E-32	-0.644	0.575	0.874	7.98E-28	4
Sdhc	3.48E-32	-0.359	0.053	0.327	8.65E-28	4
Timm13	3.56E-32	-0.321	0.093	0.398	8.84E-28	4
Gtf2h1	4.44E-32	-0.433	0.152	0.489	1.10E-27	4
Pitpna	5.21E-32	-0.489	0.303	0.663	1.29E-27	4
Ndrp1	5.31E-32	-0.675	0.157	0.475	1.32E-27	4
Spcs1	5.82E-32	-0.420	0.134	0.458	1.45E-27	4
Tcn2	6.20E-32	-0.519	0.045	0.308	1.54E-27	4
Psma4	6.27E-32	-0.334	0.179	0.53	1.56E-27	4
Acap2	6.79E-32	-0.503	0.098	0.398	1.69E-27	4
Cd3d	6.89E-32	0.911	0.285	0.112	1.71E-27	4
Ssr4	7.24E-32	-0.355	0.136	0.471	1.80E-27	4
Slirp	7.40E-32	-0.320	0.041	0.304	1.84E-27	4
Myo1f	8.22E-32	-0.490	0.061	0.335	2.04E-27	4
1810022K09Rik	8.91E-32	-0.289	0.085	0.387	2.21E-27	4
Cpeb4	1.03E-31	-0.531	0.12	0.427	2.57E-27	4
Zyx	1.11E-31	-0.648	0.24	0.584	2.75E-27	4
Rapgef2	1.11E-31	-0.544	0.075	0.357	2.75E-27	4
Gadd45g	1.14E-31	-0.945	0.028	0.276	2.84E-27	4
Dnase2a	1.20E-31	-0.443	0.02	0.265	2.99E-27	4
Sestd1	1.27E-31	-0.495	0.022	0.267	3.15E-27	4



Gm3839	1.27E-31	-0.392	0.112	0.422	3.15E-27	4
Fam96a	1.37E-31	-0.390	0.087	0.38	3.40E-27	4
Grina	1.85E-31	-0.897	0.185	0.515	4.61E-27	4
Ensa	1.96E-31	-0.395	0.116	0.429	4.87E-27	4
Tubb2a	2.02E-31	-0.469	0.069	0.347	5.02E-27	4
H2-Q4	2.37E-31	1.230	0.604	0.537	5.89E-27	4
Nus1	2.44E-31	-0.370	0.132	0.456	6.05E-27	4
Acp1	2.63E-31	-0.338	0.03	0.282	6.53E-27	4
Hexb	2.70E-31	-0.654	0.061	0.329	6.71E-27	4
Necap2	2.77E-31	-0.297	0.077	0.366	6.88E-27	4
Apbb1ip	3.02E-31	-0.467	0.177	0.516	7.50E-27	4
Ndel1	3.39E-31	-0.382	0.169	0.506	8.43E-27	4
Slc25a11	3.42E-31	-0.340	0.039	0.296	8.48E-27	4
Zeb1	3.59E-31	1.268	0.264	0.108	8.91E-27	4
Dhrs3	3.94E-31	-0.570	0.03	0.278	9.77E-27	4
Gnaq	4.28E-31	-0.437	0.055	0.321	1.06E-26	4
Abhd12	4.31E-31	-0.397	0.049	0.312	1.07E-26	4
1810037I17Rik	4.49E-31	-0.384	0.201	0.56	1.11E-26	4
Serf2	5.48E-31	-0.462	0.309	0.695	1.36E-26	4
Cd36	5.86E-31	-1.456	0.02	0.253	1.46E-26	4
Zc3hav1	5.98E-31	1.206	0.61	0.551	1.49E-26	4
Rhbdf2	6.49E-31	-0.415	0.073	0.352	1.61E-26	4
Ndufb7	6.56E-31	-0.326	0.085	0.378	1.63E-26	4
Psmb2	7.20E-31	-0.340	0.187	0.544	1.79E-26	4
Gfpt1	8.70E-31	-0.429	0.12	0.427	2.16E-26	4
Tuba1b	9.17E-31	-0.647	0.28	0.628	2.28E-26	4
Fuca2	9.82E-31	-0.486	0.033	0.279	2.44E-26	4
Elob	9.89E-31	-0.347	0.268	0.655	2.46E-26	4
Kctd12	1.11E-30	-0.690	0.28	0.627	2.76E-26	4
Mrps33	1.13E-30	-0.305	0.053	0.318	2.81E-26	4
Emc7	1.16E-30	-0.329	0.11	0.419	2.89E-26	4
Fnip1	1.19E-30	-0.424	0.226	0.587	2.96E-26	4
Cap1	1.36E-30	-0.473	0.274	0.649	3.38E-26	4
Dynlrb1	1.63E-30	-0.253	0.161	0.51	4.05E-26	4
Dpp7	1.73E-30	-0.527	0.02	0.255	4.30E-26	4
Mtss1	1.77E-30	-0.573	0.022	0.26	4.38E-26	4
Rps6	2.02E-30	0.685	0.805	0.835	5.02E-26	4
Hnrnph2	2.06E-30	-0.383	0.157	0.487	5.11E-26	4
Arpc4	2.14E-30	-0.313	0.187	0.537	5.32E-26	4
Ube2f	2.20E-30	-0.379	0.085	0.372	5.47E-26	4
Plk2	2.26E-30	-1.054	0.043	0.29	5.62E-26	4
Arhgdia	2.36E-30	-0.511	0.404	0.749	5.87E-26	4
Ggta1	2.48E-30	-0.489	0.063	0.328	6.17E-26	4
Osbpl9	2.56E-30	-0.393	0.132	0.445	6.36E-26	4
Itpril2	2.62E-30	-0.458	0.035	0.281	6.50E-26	4
Glr3	2.86E-30	-0.285	0.087	0.375	7.09E-26	4

Psmb7	2.99E-30	-0.261	0.177	0.524	7.42E-26	4
Rftn1	3.06E-30	-0.389	0.059	0.325	7.59E-26	4
Ralgds	3.11E-30	-0.623	0.035	0.278	7.72E-26	4
Cd80	3.11E-30	-0.670	0.03	0.271	7.73E-26	4
Grb2	3.55E-30	-0.522	0.396	0.764	8.81E-26	4
Magt1	3.84E-30	-0.327	0.122	0.423	9.54E-26	4
Laptn4a	3.89E-30	-0.509	0.323	0.691	9.66E-26	4
Clcn4	4.84E-30	-0.421	0.093	0.379	1.20E-25	4
Hilpda	4.95E-30	-0.880	0.321	0.637	1.23E-25	4
Iscu	5.75E-30	-0.413	0.065	0.333	1.43E-25	4
Nmt1	6.02E-30	-0.300	0.128	0.444	1.50E-25	4
Napa	6.93E-30	-0.253	0.177	0.521	1.72E-25	4
Fam111a	7.79E-30	-0.514	0.039	0.286	1.93E-25	4
Marcks11	8.35E-30	-1.293	0.266	0.581	2.07E-25	4
Vav1	8.40E-30	-0.485	0.063	0.328	2.09E-25	4
Cox17	8.45E-30	-0.355	0.098	0.387	2.10E-25	4
Psm7	8.64E-30	-0.326	0.191	0.536	2.15E-25	4
Adipor1	9.20E-30	-0.488	0.163	0.485	2.29E-25	4
Gba	9.38E-30	-0.389	0.035	0.279	2.33E-25	4
Irak2	1.06E-29	-0.567	0.175	0.494	2.63E-25	4
Ier3ip1	1.09E-29	-0.329	0.104	0.399	2.71E-25	4
Pttg1ip	1.10E-29	-0.382	0.13	0.439	2.74E-25	4
Dpm2	1.18E-29	-0.319	0.065	0.33	2.93E-25	4
Ndufb6	1.19E-29	-0.335	0.096	0.387	2.96E-25	4
Ssu72	1.37E-29	-0.254	0.047	0.301	3.41E-25	4
Rpl12	1.52E-29	0.831	0.758	0.764	3.78E-25	4
Selenop	1.54E-29	-2.173	0.161	0.433	3.83E-25	4
Cacul1	1.73E-29	-0.357	0.195	0.538	4.29E-25	4
Mydgf	1.77E-29	-0.295	0.039	0.286	4.40E-25	4
S100a4	1.81E-29	-0.688	0.201	0.509	4.50E-25	4
Kcmf1	1.86E-29	-0.359	0.163	0.493	4.62E-25	4
Mapkapk2	2.36E-29	-0.451	0.262	0.642	5.86E-25	4
Camta2	2.55E-29	-0.500	0.028	0.263	6.32E-25	4
Chmp2b	2.65E-29	-0.368	0.083	0.363	6.57E-25	4
Xdh	2.70E-29	-0.550	0.039	0.28	6.70E-25	4
Pycard	2.70E-29	-0.374	0.045	0.293	6.71E-25	4
Ppt1	2.72E-29	-0.539	0.079	0.349	6.76E-25	4
Cox7c	2.74E-29	-0.536	0.431	0.762	6.82E-25	4
Psm10	2.81E-29	-0.315	0.075	0.349	6.98E-25	4
Nr3c1	3.03E-29	1.390	0.506	0.376	7.52E-25	4
Amdhd2	3.49E-29	-0.469	0.022	0.252	8.68E-25	4
Tpt1	3.75E-29	0.449	0.888	0.982	9.31E-25	4
Hk2	4.29E-29	-0.433	0.112	0.403	1.07E-24	4
Ext1	4.38E-29	-0.396	0.039	0.282	1.09E-24	4
Gsr	4.42E-29	-0.935	0.051	0.295	1.10E-24	4
Wbp2	4.69E-29	-0.359	0.157	0.478	1.16E-24	4

Cox5a	4.76E-29	-0.387	0.189	0.528	1.18E-24	4
Scarb2	5.36E-29	-0.356	0.093	0.376	1.33E-24	4
Ddost	5.45E-29	-0.375	0.128	0.432	1.35E-24	4
Junb	5.71E-29	0.832	0.909	0.93	1.42E-24	4
Cyth4	5.74E-29	-0.308	0.187	0.524	1.43E-24	4
Slc16a3	7.16E-29	-0.473	0.037	0.276	1.78E-24	4
Rpn1	7.20E-29	-0.352	0.069	0.334	1.79E-24	4
Lgals9	7.41E-29	-0.366	0.106	0.393	1.84E-24	4
Sptlc2	8.30E-29	-0.275	0.112	0.408	2.06E-24	4
Rars	9.34E-29	-0.425	0.157	0.466	2.32E-24	4
Ndufb10	9.87E-29	-0.251	0.089	0.372	2.45E-24	4
Ap2a2	9.98E-29	-0.400	0.047	0.293	2.48E-24	4
Hsd17b11	1.08E-28	-0.422	0.102	0.388	2.69E-24	4
Sfpq	1.12E-28	0.926	0.766	0.809	2.78E-24	4
Rpl18a	1.19E-28	0.692	0.783	0.835	2.96E-24	4
Cyb5a	1.27E-28	-0.351	0.124	0.42	3.15E-24	4
Chd4	1.43E-28	1.189	0.673	0.66	3.55E-24	4
Cox6a1	1.59E-28	-0.495	0.35	0.705	3.96E-24	4
Lgals3bp	1.73E-28	-0.634	0.132	0.412	4.30E-24	4
Kdelr1	2.12E-28	-0.291	0.091	0.374	5.26E-24	4
Bin1	2.34E-28	-0.411	0.059	0.311	5.81E-24	4
Vamp3	2.34E-28	-0.317	0.128	0.432	5.81E-24	4
Manf	2.55E-28	-0.422	0.224	0.564	6.32E-24	4
Lims1	2.90E-28	-0.378	0.126	0.423	7.19E-24	4
Sgta	2.92E-28	-0.330	0.055	0.306	7.24E-24	4
Stx4a	3.66E-28	-0.285	0.069	0.332	9.08E-24	4
Atp5c1	3.91E-28	-0.338	0.154	0.469	9.72E-24	4
Abcg1	4.48E-28	-0.509	0.077	0.336	1.11E-23	4
Tlnrd1	4.64E-28	-0.300	0.057	0.309	1.15E-23	4
Crk	5.40E-28	-0.264	0.098	0.379	1.34E-23	4
Slc43a2	5.65E-28	-0.454	0.035	0.266	1.40E-23	4
Nsd3	5.76E-28	1.216	0.626	0.6	1.43E-23	4
Ywhah	6.92E-28	-0.426	0.309	0.658	1.72E-23	4
Lrrc59	6.92E-28	-0.266	0.116	0.411	1.72E-23	4
Smox	7.08E-28	-0.691	0.266	0.6	1.76E-23	4
Mtpn	8.00E-28	-0.486	0.274	0.619	1.99E-23	4
Cd84	8.08E-28	-0.525	0.089	0.356	2.01E-23	4
Rad23a	8.99E-28	-0.298	0.057	0.307	2.23E-23	4
Ptprc	9.10E-28	0.867	0.734	0.758	2.26E-23	4
Pdia4	9.19E-28	-0.323	0.065	0.32	2.28E-23	4
Tln1	9.28E-28	-0.495	0.343	0.7	2.31E-23	4
Slfn5	9.87E-28	-0.438	0.075	0.334	2.45E-23	4
Epn1	1.01E-27	-0.283	0.087	0.36	2.50E-23	4
Dse	1.17E-27	-0.410	0.026	0.25	2.91E-23	4
Gpi1	1.19E-27	-0.553	0.317	0.662	2.95E-23	4
Snx30	1.19E-27	-0.390	0.041	0.274	2.97E-23	4

Ctla4	1.32E-27	0.782	0.319	0.137	3.28E-23	4
Zfp106	1.51E-27	-0.357	0.079	0.341	3.74E-23	4
Wdr83os	1.66E-27	-0.346	0.128	0.425	4.13E-23	4
Rnpep	1.67E-27	-0.334	0.026	0.25	4.15E-23	4
Cers2	1.85E-27	-0.302	0.195	0.527	4.59E-23	4
Hist1h2bc	1.92E-27	-0.578	0.067	0.317	4.78E-23	4
Tmco1	1.95E-27	-0.263	0.053	0.299	4.85E-23	4
Rassf2	2.06E-27	-0.409	0.049	0.288	5.11E-23	4
Kmt5a	2.16E-27	-0.341	0.159	0.469	5.37E-23	4
Psm2	2.18E-27	-0.301	0.222	0.569	5.42E-23	4
Pbdc1	2.43E-27	-0.384	0.057	0.302	6.04E-23	4
Tmem43	2.93E-27	-0.426	0.043	0.277	7.27E-23	4
Vapb	3.13E-27	-0.293	0.079	0.343	7.79E-23	4
Specc11	3.44E-27	-0.308	0.085	0.35	8.55E-23	4
Krcc1	3.93E-27	-0.314	0.055	0.3	9.77E-23	4
Lmna	4.21E-27	-0.563	0.303	0.64	1.05E-22	4
Mrpl23	4.37E-27	-0.300	0.035	0.262	1.08E-22	4
Dnajb14	4.47E-27	-0.342	0.028	0.25	1.11E-22	4
Ppp1r14b	4.71E-27	-0.275	0.089	0.362	1.17E-22	4
Psmb9	5.18E-27	-0.315	0.043	0.276	1.29E-22	4
Prelid1	5.89E-27	-0.356	0.23	0.576	1.46E-22	4
Taf10	6.19E-27	-0.289	0.075	0.333	1.54E-22	4
Fam50a	6.45E-27	-0.363	0.057	0.301	1.60E-22	4
Vegfa	6.58E-27	-0.805	0.157	0.432	1.64E-22	4
Cox8a	6.88E-27	-0.456	0.459	0.787	1.71E-22	4
Sde2	6.89E-27	-0.559	0.185	0.494	1.71E-22	4
9530068E07Rik	8.05E-27	-0.302	0.083	0.347	2.00E-22	4
Slc31a1	8.14E-27	-0.304	0.067	0.316	2.02E-22	4
Mlf2	9.18E-27	-0.293	0.189	0.515	2.28E-22	4
Pfdn1	9.89E-27	-0.260	0.045	0.278	2.46E-22	4
Mrps28	1.09E-26	-0.448	0.043	0.273	2.70E-22	4
Rbm39	1.10E-26	0.702	0.848	0.888	2.74E-22	4
Colgalt1	1.19E-26	-0.295	0.065	0.313	2.96E-22	4
Dync1i2	1.42E-26	-0.284	0.22	0.557	3.54E-22	4
Tnf	1.44E-26	-1.248	0.096	0.343	3.57E-22	4
Asmt	1.49E-26	-0.271	0.1	0.372	3.71E-22	4
Dgat1	1.52E-26	1.593	0.476	0.327	3.79E-22	4
Rpn2	1.58E-26	-0.272	0.104	0.383	3.92E-22	4
Trmt112	1.58E-26	-0.278	0.106	0.382	3.92E-22	4
Etf1	1.64E-26	-0.379	0.321	0.691	4.07E-22	4
Smim14	1.65E-26	-0.307	0.075	0.329	4.11E-22	4
Plpbp	1.80E-26	-0.365	0.069	0.317	4.48E-22	4
Adprh	1.90E-26	-0.271	0.039	0.266	4.71E-22	4
Rps15	1.92E-26	0.669	0.821	0.815	4.77E-22	4
Vmp1	2.21E-26	-0.402	0.217	0.557	5.50E-22	4
Ldha	2.25E-26	-0.540	0.427	0.744	5.58E-22	4

P4ha1	2.33E-26	-0.371	0.102	0.373	5.80E-22	4
Psm2	2.43E-26	-0.277	0.142	0.444	6.03E-22	4
Sh3glb1	2.52E-26	-0.457	0.35	0.688	6.27E-22	4
Rpl4	2.57E-26	0.662	0.801	0.789	6.38E-22	4
Csnk1e	2.57E-26	-0.419	0.067	0.311	6.38E-22	4
Naa50	2.57E-26	-0.398	0.215	0.549	6.39E-22	4
Hmgn2	2.61E-26	-0.392	0.063	0.306	6.48E-22	4
Stam2	2.66E-26	-0.396	0.045	0.273	6.61E-22	4
Map7d1	2.80E-26	-0.266	0.203	0.537	6.95E-22	4
Slc2a1	3.01E-26	-0.718	0.207	0.502	7.47E-22	4
Abl2	3.47E-26	-0.352	0.116	0.395	8.63E-22	4
Lgals8	3.53E-26	-0.377	0.045	0.273	8.76E-22	4
Tmem160	3.58E-26	-0.260	0.075	0.329	8.90E-22	4
Selenof	3.98E-26	-0.444	0.248	0.576	9.89E-22	4
Hcfc1r1	5.05E-26	-0.291	0.079	0.334	1.25E-21	4
Sppl2a	5.20E-26	-0.316	0.181	0.504	1.29E-21	4
Gpnmb	6.67E-26	-1.803	0.051	0.27	1.66E-21	4
Swap70	6.79E-26	-0.374	0.061	0.3	1.69E-21	4
Ccdc12	6.97E-26	-0.266	0.087	0.346	1.73E-21	4
Slc39a7	7.18E-26	-0.277	0.104	0.374	1.78E-21	4
Nsf	8.09E-26	-0.310	0.067	0.311	2.01E-21	4
Sgk1	1.05E-25	-0.707	0.108	0.359	2.62E-21	4
Klf7	1.05E-25	-0.598	0.065	0.302	2.62E-21	4
Slc16a10	1.11E-25	-0.433	0.061	0.298	2.75E-21	4
Ndufa2	1.13E-25	-0.387	0.319	0.683	2.81E-21	4
Itgax	1.20E-25	-0.629	0.047	0.268	2.98E-21	4
Calm1	1.35E-25	-0.629	0.799	0.93	3.35E-21	4
Klf4	1.40E-25	-0.613	0.339	0.641	3.48E-21	4
Anxa7	1.52E-25	-0.277	0.081	0.333	3.77E-21	4
Slc11a2	1.60E-25	-0.417	0.053	0.282	3.98E-21	4
Rps21	1.72E-25	0.754	0.772	0.795	4.28E-21	4
Trim8	1.78E-25	-0.303	0.083	0.336	4.43E-21	4
Trafd1	1.88E-25	-0.277	0.098	0.359	4.66E-21	4
Rps23	1.89E-25	0.570	0.837	0.852	4.70E-21	4
Rac1	1.99E-25	-0.463	0.457	0.773	4.96E-21	4
Yeats4	2.24E-25	-0.258	0.116	0.393	5.57E-21	4
Samd4b	2.28E-25	-0.349	0.104	0.369	5.66E-21	4
Abr	2.47E-25	-0.390	0.059	0.292	6.13E-21	4
Tbca	2.56E-25	-0.312	0.207	0.536	6.35E-21	4
Snrpa	2.60E-25	-0.258	0.073	0.32	6.45E-21	4
Tnfrsf12a	2.63E-25	-0.549	0.043	0.261	6.52E-21	4
Flna	3.15E-25	-0.372	0.262	0.606	7.83E-21	4
2-Sep	3.19E-25	-0.316	0.175	0.481	7.93E-21	4
Arf5	3.26E-25	-0.372	0.289	0.648	8.10E-21	4
Atp2b1	3.63E-25	-0.487	0.4	0.739	9.02E-21	4
Glpr1	5.33E-25	-0.373	0.112	0.374	1.32E-20	4

Lactb	5.36E-25	-0.350	0.077	0.321	1.33E-20	4
Elf1	5.41E-25	1.286	0.604	0.581	1.34E-20	4
Ppp1cc	5.77E-25	1.273	0.535	0.463	1.43E-20	4
Atp5j2	5.84E-25	-0.301	0.159	0.464	1.45E-20	4
Samd8	6.15E-25	-0.368	0.059	0.291	1.53E-20	4
Ndufa9	6.31E-25	-0.274	0.055	0.284	1.57E-20	4
Ccnd2	6.82E-25	1.172	0.48	0.334	1.69E-20	4
Jak1	8.86E-25	1.004	0.648	0.677	2.20E-20	4
Fndc3a	9.62E-25	-0.312	0.081	0.325	2.39E-20	4
Vav3	1.03E-24	-0.281	0.051	0.274	2.56E-20	4
Ldlrap1	1.10E-24	-0.510	0.041	0.253	2.73E-20	4
Vps4b	1.22E-24	-0.253	0.14	0.428	3.03E-20	4
Slc35b1	1.46E-24	-0.257	0.085	0.334	3.62E-20	4
Prkar1a	1.60E-24	0.929	0.669	0.688	3.97E-20	4
Oasl2	1.68E-24	-0.605	0.045	0.259	4.18E-20	4
Rpl9	1.73E-24	0.619	0.805	0.852	4.30E-20	4
Rps16	2.02E-24	0.594	0.825	0.865	5.02E-20	4
Sgms1	2.03E-24	-0.330	0.087	0.332	5.04E-20	4
Ssr3	2.31E-24	-0.419	0.341	0.678	5.73E-20	4
Gosr2	2.67E-24	-0.252	0.071	0.309	6.64E-20	4
Rpl30	2.98E-24	0.624	0.795	0.809	7.40E-20	4
Capza2	3.01E-24	-0.340	0.337	0.687	7.48E-20	4
Msmo1	3.03E-24	-0.375	0.059	0.281	7.53E-20	4
Ccdc711	3.04E-24	-0.458	0.069	0.299	7.56E-20	4
Scp2	3.79E-24	-0.251	0.15	0.444	9.40E-20	4
Timp2	4.12E-24	-0.975	0.093	0.318	1.02E-19	4
Hnrnpa3	4.33E-24	-0.347	0.38	0.723	1.07E-19	4
Eps15	4.43E-24	-0.251	0.067	0.3	1.10E-19	4
Plec	5.07E-24	-0.309	0.15	0.433	1.26E-19	4
Vdac2	5.21E-24	-0.273	0.254	0.588	1.29E-19	4
Taf6l	5.72E-24	-0.258	0.057	0.28	1.42E-19	4
Pabpc1	6.30E-24	0.525	0.884	0.937	1.57E-19	4
Notch2	6.89E-24	-0.316	0.118	0.381	1.71E-19	4
Itm2b	7.42E-24	-0.843	0.577	0.801	1.84E-19	4
Tet2	7.67E-24	-0.337	0.116	0.375	1.90E-19	4
Ssh2	7.70E-24	1.337	0.372	0.234	1.91E-19	4
Pde4b	8.10E-24	-0.402	0.266	0.587	2.01E-19	4
Tmem64	8.17E-24	1.447	0.315	0.174	2.03E-19	4
Ubap1	1.08E-23	-0.488	0.063	0.286	2.68E-19	4
Creld2	1.12E-23	-0.300	0.069	0.298	2.78E-19	4
Cenpa	1.21E-23	-0.269	0.096	0.342	3.02E-19	4
Wipf1	1.36E-23	-0.366	0.256	0.584	3.39E-19	4
Mvp	1.69E-23	-0.277	0.051	0.267	4.19E-19	4
Hint1	1.70E-23	-0.310	0.201	0.505	4.22E-19	4
4930523C07Rik	2.00E-23	1.222	0.356	0.213	4.98E-19	4
Nadk	2.36E-23	-0.264	0.083	0.323	5.87E-19	4

Psmb8	2.50E-23	-0.396	0.285	0.604	6.21E-19	4
Gabarapl1	2.54E-23	-0.347	0.1	0.346	6.30E-19	4
Cox6c	2.60E-23	-0.438	0.411	0.723	6.47E-19	4
Arf3	2.67E-23	-0.266	0.169	0.463	6.62E-19	4
Cd274	2.85E-23	-0.513	0.177	0.452	7.08E-19	4
Rplp1	2.93E-23	0.573	0.864	0.903	7.27E-19	4
mt-Cytb	2.93E-23	0.407	0.994	0.965	7.28E-19	4
Ube2r2	3.02E-23	-0.253	0.165	0.458	7.49E-19	4
AB124611	3.10E-23	-0.290	0.049	0.261	7.71E-19	4
Btg2	3.34E-23	1.147	0.581	0.494	8.29E-19	4
Ergic1	3.48E-23	-0.306	0.051	0.264	8.65E-19	4
Tent5c	3.80E-23	-0.497	0.205	0.494	9.43E-19	4
Ell	4.18E-23	-0.426	0.049	0.258	1.04E-18	4
Arhgap17	4.28E-23	-0.262	0.093	0.337	1.06E-18	4
Tmem131	4.45E-23	-0.308	0.073	0.301	1.10E-18	4
Rest	4.46E-23	-0.395	0.114	0.365	1.11E-18	4
Pik3r5	4.59E-23	-0.359	0.069	0.292	1.14E-18	4
Cdk4	4.80E-23	-0.260	0.063	0.286	1.19E-18	4
Ano6	5.42E-23	-0.258	0.061	0.281	1.35E-18	4
Lpin2	6.20E-23	-0.466	0.067	0.286	1.54E-18	4
mt-Nd1	6.31E-23	0.550	0.972	0.954	1.57E-18	4
Atp5e	7.09E-23	-0.355	0.339	0.679	1.76E-18	4
Ypel5	7.47E-23	-0.339	0.126	0.385	1.86E-18	4
Tpm1	7.67E-23	-0.398	0.047	0.253	1.90E-18	4
Il21r	7.67E-23	1.309	0.378	0.237	1.91E-18	4
Gng2	7.68E-23	-0.253	0.126	0.39	1.91E-18	4
Myd88	9.10E-23	-0.278	0.073	0.299	2.26E-18	4
Zfp703	9.64E-23	-0.398	0.238	0.538	2.39E-18	4
Naga	1.01E-22	-0.353	0.057	0.268	2.50E-18	4
Tnfrsf9	1.22E-22	0.887	0.374	0.197	3.04E-18	4
Samhd1	1.56E-22	-0.308	0.329	0.663	3.87E-18	4
Nipsnap3b	1.72E-22	-0.250	0.045	0.25	4.28E-18	4
Tmem50b	1.73E-22	-0.278	0.071	0.294	4.29E-18	4
Nudc	1.94E-22	-0.251	0.098	0.341	4.83E-18	4
Acap1	2.21E-22	1.089	0.26	0.125	5.49E-18	4
Zfp36	2.23E-22	-0.626	0.555	0.862	5.55E-18	4
Bcl3	2.66E-22	-0.332	0.13	0.386	6.62E-18	4
Itgal	3.33E-22	0.909	0.39	0.24	8.28E-18	4
Crtc3	3.49E-22	-0.314	0.079	0.303	8.67E-18	4
Ehbp111	4.35E-22	-0.320	0.1	0.338	1.08E-17	4
Atf1	4.71E-22	-0.272	0.163	0.445	1.17E-17	4
Jarid2	4.96E-22	-0.309	0.177	0.453	1.23E-17	4
Pnp	6.57E-22	-0.346	0.256	0.568	1.63E-17	4
Prdx1	6.94E-22	-0.733	0.419	0.694	1.72E-17	4
Sertad1	7.27E-22	-0.406	0.11	0.346	1.81E-17	4
Gclm	7.57E-22	-0.289	0.091	0.327	1.88E-17	4

Ccl8	8.03E-22	-2.692	0.061	0.256	1.99E-17	4
Pde4d	9.03E-22	1.014	0.254	0.121	2.24E-17	4
Cdk9	9.46E-22	-0.260	0.217	0.528	2.35E-17	4
Saraf	9.48E-22	1.331	0.474	0.396	2.35E-17	4
Rell1	1.00E-21	-0.319	0.065	0.279	2.49E-17	4
Dnmt3a	1.03E-21	-0.380	0.069	0.282	2.56E-17	4
Crip1	1.22E-21	-0.524	0.435	0.703	3.03E-17	4
Fam102b	1.26E-21	-0.300	0.049	0.251	3.12E-17	4
Trim30a	1.34E-21	-0.314	0.11	0.349	3.32E-17	4
Ccl5	1.40E-21	1.219	0.362	0.202	3.47E-17	4
Tapbp	2.32E-21	-0.256	0.268	0.586	5.76E-17	4
Hcls1	2.54E-21	-0.327	0.264	0.583	6.30E-17	4
Stat3	2.81E-21	0.941	0.703	0.748	6.98E-17	4
Ptpn12	2.82E-21	-0.335	0.061	0.267	7.00E-17	4
Rps4x	3.09E-21	0.612	0.811	0.794	7.67E-17	4
Mt2	3.35E-21	-0.877	0.276	0.546	8.32E-17	4
Llph	3.42E-21	-0.257	0.173	0.452	8.50E-17	4
Snx20	3.43E-21	-0.259	0.069	0.28	8.51E-17	4
Rnf19b	3.65E-21	-0.377	0.242	0.548	9.06E-17	4
mt-Nd5	4.86E-21	0.612	0.913	0.91	1.21E-16	4
Cpeb2	5.06E-21	-0.374	0.077	0.292	1.26E-16	4
Pdcd4	6.31E-21	1.151	0.319	0.189	1.57E-16	4
Rpl37a	6.60E-21	0.561	0.813	0.866	1.64E-16	4
Ube2l6	6.91E-21	-0.269	0.055	0.256	1.72E-16	4
Ccni	7.58E-21	-0.258	0.234	0.535	1.88E-16	4
Atp5g2	7.88E-21	-0.345	0.35	0.66	1.96E-16	4
Lpp	1.08E-20	-0.293	0.057	0.256	2.68E-16	4
Tet3	1.24E-20	-0.275	0.112	0.347	3.09E-16	4
Nop56	1.80E-20	1.132	0.581	0.569	4.47E-16	4
Zbtb1	2.46E-20	1.315	0.417	0.308	6.12E-16	4
Cox4i1	2.46E-20	-0.381	0.435	0.738	6.12E-16	4
Ncl	2.47E-20	0.671	0.78	0.851	6.14E-16	4
Malt1	3.96E-20	-0.342	0.209	0.482	9.84E-16	4
Rhoa	4.27E-20	-0.353	0.484	0.782	1.06E-15	4
Gadd45a	5.44E-20	-1.198	0.089	0.288	1.35E-15	4
Slc23a2	6.19E-20	-0.310	0.057	0.251	1.54E-15	4
H2-D1	6.36E-20	0.307	0.965	0.967	1.58E-15	4
Socs3	6.40E-20	-0.602	0.209	0.466	1.59E-15	4
Atp5l	6.93E-20	-0.333	0.415	0.739	1.72E-15	4
Cmip	7.06E-20	-0.294	0.073	0.276	1.75E-15	4
Iqgap1	8.50E-20	-0.461	0.591	0.862	2.11E-15	4
Cyfip2	9.12E-20	1.124	0.335	0.208	2.27E-15	4
Dgka	9.64E-20	1.337	0.287	0.159	2.40E-15	4
Zbtb7a	1.14E-19	-0.280	0.305	0.625	2.84E-15	4
Vcp	1.19E-19	-0.284	0.35	0.676	2.95E-15	4
Ier2	1.23E-19	1.213	0.533	0.478	3.05E-15	4



Arhgdib	1.94E-19	-0.428	0.402	0.698	4.81E-15	4
Gnas	2.29E-19	0.699	0.803	0.823	5.69E-15	4
Psmel	2.54E-19	-0.263	0.297	0.614	6.31E-15	4
Mxi1	3.11E-19	-0.271	0.207	0.477	7.73E-15	4
Rab11fip1	3.27E-19	-0.338	0.234	0.505	8.11E-15	4
Stat2	5.96E-19	-0.348	0.134	0.366	1.48E-14	4
mt-Nd2	6.89E-19	0.527	0.963	0.944	1.71E-14	4
Dnaj1	7.28E-19	0.761	0.722	0.789	1.81E-14	4
Hist1h1c	7.30E-19	-0.396	0.159	0.397	1.81E-14	4
Tut4	7.96E-19	1.197	0.386	0.275	1.98E-14	4
Ppp2ca	8.33E-19	-0.281	0.425	0.771	2.07E-14	4
Ikzf2	8.92E-19	1.133	0.28	0.142	2.22E-14	4
Rplp2	1.11E-18	0.520	0.793	0.868	2.75E-14	4
Cdc42	1.17E-18	-0.345	0.64	0.874	2.90E-14	4
Map4k4	1.70E-18	-0.435	0.28	0.568	4.22E-14	4
Serbp1	1.81E-18	0.688	0.705	0.754	4.50E-14	4
Gdi2	2.76E-18	-0.281	0.404	0.713	6.85E-14	4
Anp32b	2.95E-18	-0.279	0.352	0.663	7.34E-14	4
Irgm1	3.03E-18	-0.451	0.096	0.296	7.52E-14	4
Trp53inp1	3.91E-18	1.039	0.289	0.162	9.72E-14	4
Cxcr4	3.98E-18	1.185	0.697	0.742	9.89E-14	4
Actn1	4.39E-18	-0.709	0.081	0.267	1.09E-13	4
Rhof	6.91E-18	0.979	0.307	0.178	1.72E-13	4
Glrx	7.27E-18	-0.289	0.256	0.541	1.81E-13	4
mt-Nd4	9.04E-18	0.469	0.984	0.962	2.25E-13	4
Dazap2	9.68E-18	-0.324	0.465	0.793	2.40E-13	4
Akap13	1.13E-17	1.115	0.579	0.578	2.80E-13	4
Zcchc2	1.20E-17	-0.318	0.102	0.305	2.98E-13	4
Npm1	1.66E-17	0.662	0.776	0.807	4.12E-13	4
Plac8	1.82E-17	-0.899	0.13	0.322	4.52E-13	4
Rps27rt	1.93E-17	0.903	0.618	0.663	4.79E-13	4
mt-Co2	3.48E-17	0.344	1	0.994	8.63E-13	4
Rpl34	3.55E-17	0.504	0.813	0.865	8.81E-13	4
Gna13	3.55E-17	0.788	0.764	0.816	8.82E-13	4
Ywhae	4.32E-17	-0.297	0.553	0.819	1.07E-12	4
Map3k8	5.20E-17	-0.351	0.081	0.266	1.29E-12	4
Nfkbid	5.23E-17	1.427	0.394	0.286	1.30E-12	4
Arpc3	5.28E-17	-0.302	0.474	0.79	1.31E-12	4
Ier5	5.31E-17	-0.599	0.488	0.772	1.32E-12	4
Hspala	5.91E-17	-0.469	0.358	0.61	1.47E-12	4
Lmnbl	6.86E-17	-0.488	0.386	0.677	1.70E-12	4
Chka	7.11E-17	-0.370	0.226	0.48	1.77E-12	4
Lcp1	8.83E-17	-0.438	0.571	0.81	2.19E-12	4
Rps20	8.96E-17	0.536	0.825	0.85	2.23E-12	4
Atp5g3	1.16E-16	-0.321	0.413	0.693	2.88E-12	4
Rpsa	1.26E-16	0.586	0.738	0.756	3.14E-12	4

Smpd13a	1.73E-16	-0.302	0.118	0.321	4.29E-12	4
Tmsb10	2.69E-16	0.545	0.801	0.828	6.68E-12	4
Tagln2	2.79E-16	-0.422	0.535	0.766	6.93E-12	4
Tnfrsf18	2.81E-16	0.775	0.268	0.144	6.97E-12	4
Aebp2	3.40E-16	1.231	0.476	0.418	8.44E-12	4
Spata13	4.00E-16	1.129	0.323	0.209	9.93E-12	4
Birc2	4.81E-16	1.215	0.35	0.237	1.19E-11	4
Wsb1	5.28E-16	-0.254	0.343	0.643	1.31E-11	4
Il2rg	6.54E-16	0.883	0.541	0.513	1.63E-11	4
Selenok	1.03E-15	-0.252	0.384	0.72	2.56E-11	4
Arid5b	2.10E-15	-0.468	0.116	0.305	5.21E-11	4
Arap2	2.53E-15	1.106	0.262	0.153	6.29E-11	4
Rpl23a	4.00E-15	0.519	0.793	0.838	9.94E-11	4
Rpl21	5.38E-15	0.531	0.732	0.773	1.34E-10	4
Gpr132	6.50E-15	0.769	0.62	0.571	1.62E-10	4
Ddx3x	7.61E-15	0.761	0.685	0.777	1.89E-10	4
Isg15	7.99E-15	-0.633	0.177	0.377	1.98E-10	4
Rps8	1.09E-14	0.420	0.858	0.875	2.71E-10	4
Hsp90aa1	1.21E-14	0.665	0.852	0.938	3.00E-10	4
Lmo4	1.22E-14	0.486	0.207	0.458	3.02E-10	4
Chd2	1.29E-14	1.175	0.48	0.422	3.21E-10	4
Serp1	1.39E-14	-0.275	0.37	0.666	3.45E-10	4
mt-Co3	2.18E-14	0.390	0.963	0.963	5.41E-10	4
Dnajb9	2.81E-14	-0.421	0.356	0.636	6.99E-10	4
Rack1	3.21E-14	0.511	0.742	0.763	7.96E-10	4
Myl6	7.38E-14	-0.356	0.654	0.86	1.83E-09	4
Rpl6	1.10E-13	0.414	0.831	0.853	2.72E-09	4
Arpc2	1.19E-13	-0.321	0.766	0.909	2.95E-09	4
Hcst	1.19E-13	0.879	0.262	0.163	2.96E-09	4
Il7r	1.20E-13	1.179	0.435	0.352	2.98E-09	4
Ybx1	1.29E-13	-0.316	0.583	0.8	3.21E-09	4
Ero11	1.50E-13	-0.498	0.25	0.484	3.74E-09	4
Tmbim6	1.78E-13	-0.283	0.51	0.806	4.41E-09	4
Serpinb9	2.18E-13	1.136	0.321	0.212	5.41E-09	4
Stmn1	2.36E-13	-0.341	0.118	0.286	5.87E-09	4
Nfkb1	3.13E-13	1.045	0.602	0.645	7.79E-09	4
Srrm2	3.89E-13	0.798	0.679	0.755	9.67E-09	4
Serinc3	5.65E-13	0.482	0.736	0.795	1.40E-08	4
Lsp1	7.02E-13	-0.616	0.341	0.542	1.74E-08	4
Csrnp1	8.16E-13	-0.513	0.53	0.79	2.03E-08	4
Rpl7	9.60E-13	0.539	0.734	0.782	2.38E-08	4
Cish	1.07E-12	1.130	0.303	0.212	2.66E-08	4
Eef1b2	1.17E-12	0.449	0.756	0.778	2.90E-08	4
Stx11	1.45E-12	-0.370	0.199	0.396	3.61E-08	4
Errfi1	1.50E-12	-0.296	0.177	0.373	3.72E-08	4
Klf2	1.57E-12	-0.390	0.138	0.312	3.89E-08	4

Tob2	1.71E-12	1.108	0.634	0.704	4.25E-08	4
Plekha2	1.95E-12	1.150	0.388	0.328	4.85E-08	4
Eif4a1	2.16E-12	-0.269	0.665	0.877	5.36E-08	4
Rpl38	2.35E-12	0.429	0.801	0.864	5.84E-08	4
Hspa8	2.81E-12	0.493	0.856	0.909	6.98E-08	4
Pnrc1	3.32E-12	0.415	0.687	0.739	8.26E-08	4
Itpkb	4.40E-12	1.088	0.441	0.4	1.09E-07	4
S100a10	5.28E-12	-0.334	0.492	0.718	1.31E-07	4
Rpl39	5.86E-12	0.423	0.811	0.855	1.46E-07	4
Rpl23	6.40E-12	0.371	0.872	0.92	1.59E-07	4
Rps9	6.53E-12	0.354	0.841	0.922	1.62E-07	4
Ptma	7.30E-12	0.342	0.911	0.931	1.81E-07	4
Dedd2	9.27E-12	-0.375	0.167	0.346	2.30E-07	4
Gabpb1	9.52E-12	1.206	0.319	0.24	2.37E-07	4
Rpl8	1.35E-11	0.530	0.711	0.773	3.36E-07	4
Ahnak	1.72E-11	-0.473	0.628	0.791	4.26E-07	4
Pim1	1.85E-11	0.551	0.862	0.942	4.61E-07	4
4932438A13Rik	6.17E-11	1.091	0.368	0.301	1.53E-06	4
Hnrnph1	7.66E-11	0.983	0.573	0.628	1.90E-06	4
Rps5	1.55E-10	0.449	0.754	0.806	3.84E-06	4
mt-Nd4l	2.64E-10	0.585	0.748	0.819	6.56E-06	4
Bhlhe40	2.64E-10	0.913	0.657	0.706	6.56E-06	4
Cd52	6.03E-10	-0.313	0.697	0.848	1.50E-05	4
Ss18	6.93E-10	1.063	0.354	0.302	1.72E-05	4
Mknk2	7.69E-10	0.748	0.624	0.73	1.91E-05	4
Rpl3	9.44E-10	0.505	0.679	0.74	2.35E-05	4
Ythdc1	1.08E-09	0.892	0.488	0.501	2.69E-05	4
Cnot6l	1.56E-09	1.013	0.38	0.338	3.88E-05	4
Glyr1	1.76E-09	0.257	0.154	0.329	4.37E-05	4
Rpl13	2.28E-09	0.367	0.803	0.846	5.65E-05	4
Slc25a3	2.36E-09	0.539	0.724	0.817	5.86E-05	4
Rpl27a	2.39E-09	0.345	0.799	0.864	5.94E-05	4
Fubp1	2.57E-09	0.306	0.175	0.356	6.39E-05	4
Hnrnpc	2.90E-09	0.381	0.738	0.849	7.20E-05	4
Rps18	4.16E-09	0.568	0.673	0.717	0.000103318	4
Ubc	4.60E-09	-0.343	0.837	0.965	0.000114185	4
Tra2b	5.17E-09	0.701	0.604	0.712	0.000128492	4
Foxo1	5.65E-09	0.965	0.325	0.258	0.00014046	4
Rnf138	6.18E-09	1.045	0.264	0.197	0.000153604	4
Ywhaz	7.58E-09	0.428	0.766	0.878	0.000188197	4
Fyb	8.42E-09	0.738	0.632	0.656	0.00020925	4
Slc38a2	8.69E-09	0.658	0.683	0.793	0.000215938	4
Rabggtb	1.33E-08	0.317	0.169	0.345	0.000330502	4
Chuk	1.44E-08	0.257	0.14	0.297	0.000357662	4
Rps12	1.53E-08	0.347	0.833	0.912	0.000380548	4
Rplp0	1.72E-08	0.478	0.756	0.84	0.00042615	4

Pak1ip1	1.78E-08	0.259	0.191	0.379	0.000443152	4
Mob4	1.87E-08	0.291	0.144	0.303	0.000463825	4
Zfand6	1.93E-08	0.259	0.201	0.398	0.00047874	4
Rrp1	2.27E-08	0.292	0.189	0.374	0.000564364	4
Trappc8	3.14E-08	0.312	0.114	0.25	0.000779599	4
Ash11	4.03E-08	0.274	0.167	0.328	0.001001508	4
Tcerg1	4.40E-08	0.282	0.195	0.376	0.001092569	4
Elf4	4.68E-08	0.254	0.15	0.305	0.001162289	4
Arid4b	5.05E-08	1.004	0.506	0.552	0.001255192	4
Atf4	5.70E-08	-0.342	0.652	0.898	0.001415152	4
Ncoa3	6.01E-08	0.330	0.199	0.382	0.001493438	4
Jtb	8.25E-08	0.280	0.177	0.346	0.002048977	4
Ubp1	8.32E-08	0.325	0.201	0.385	0.002066076	4
Mrpl32	8.46E-08	0.263	0.126	0.264	0.002102548	4
Sema4d	1.09E-07	-0.301	0.272	0.446	0.002698179	4
Rpl27	1.17E-07	0.460	0.675	0.764	0.002908613	4
Dennd4a	1.47E-07	0.810	0.502	0.528	0.003663308	4
Rps11	1.57E-07	0.336	0.799	0.833	0.003907576	4
Efr3a	1.60E-07	0.289	0.167	0.329	0.003966387	4
Zfr	1.85E-07	0.313	0.193	0.371	0.004603152	4
Ankrd11	1.94E-07	1.016	0.504	0.558	0.004810001	4
Ifrd1	2.35E-07	-0.345	0.659	0.88	0.00583497	4
Gm11808	2.52E-07	0.505	0.675	0.769	0.006271835	4
11-Sep	2.60E-07	0.266	0.177	0.335	0.006470493	4
Peli1	2.62E-07	0.831	0.524	0.58	0.006499828	4
Nr4a1	2.66E-07	1.233	0.516	0.526	0.00661943	4
Sec62	2.97E-07	0.719	0.533	0.608	0.00737463	4
Cdc37	2.97E-07	0.321	0.25	0.463	0.007384108	4
Ramp3	2.97E-07	1.039	0.303	0.241	0.007385166	4
Gnl2	3.04E-07	0.298	0.138	0.278	0.00755005	4
Ube2b	3.52E-07	0.750	0.545	0.633	0.008754868	4
Smc1a	4.33E-07	0.260	0.171	0.326	0.010745108	4
Suds3	4.53E-07	0.250	0.138	0.276	0.011261745	4
Cd82	4.95E-07	0.787	0.283	0.226	0.012295144	4
Cul5	5.66E-07	0.252	0.124	0.25	0.014071149	4
Fbxo11	5.87E-07	0.255	0.238	0.431	0.014573305	4
Nfatc1	5.90E-07	0.998	0.272	0.219	0.014657786	4
Kmt2a	5.96E-07	1.172	0.321	0.282	0.014807568	4
Wipf2	6.27E-07	0.274	0.144	0.278	0.015571918	4
Rpl11	6.91E-07	0.415	0.713	0.785	0.017158031	4
mt-Nd3	7.39E-07	0.433	0.78	0.854	0.018355592	4
Cct7	7.85E-07	0.270	0.195	0.366	0.01950723	4
Usp47	8.20E-07	0.279	0.146	0.283	0.020375127	4
Fip111	8.25E-07	0.330	0.179	0.335	0.02049217	4
Sik1	8.42E-07	0.818	0.579	0.664	0.02090471	4
Smarcd2	9.21E-07	0.288	0.161	0.308	0.022888429	4

Gm16286	1.11E-06	0.325	0.173	0.325	0.027477863	4
Larp4	1.16E-06	0.256	0.217	0.396	0.028752183	4
Hsph1	1.17E-06	1.147	0.443	0.447	0.028996302	4
Nek7	1.24E-06	0.308	0.167	0.318	0.030884156	4
Ubr4	1.29E-06	0.325	0.224	0.408	0.032070137	4
Raph1	1.33E-06	0.328	0.193	0.35	0.032971808	4
Ubald1	1.34E-06	0.273	0.165	0.311	0.033398402	4
2610507B11Rik	1.34E-06	0.293	0.173	0.325	0.033398793	4
Col4a3bp	1.38E-06	0.254	0.177	0.326	0.034242692	4
Dusp5	1.39E-06	0.550	0.695	0.772	0.034567624	4
Tlk2	1.48E-06	0.328	0.173	0.324	0.036747057	4
Papd5	1.70E-06	0.273	0.134	0.263	0.04216113	4
Dnajb6	1.85E-06	0.841	0.516	0.603	0.046062578	4
Prkch	2.00E-06	0.907	0.266	0.216	0.049712704	4
AW112010	2.12E-06	0.469	0.413	0.351	0.052549353	4
Dock8	2.13E-06	0.252	0.154	0.292	0.052876946	4
Herpud2	2.20E-06	0.261	0.165	0.307	0.0547571	4
Arglu1	2.30E-06	0.312	0.262	0.463	0.057022545	4
Srgn	2.52E-06	-0.655	0.848	0.971	0.062668229	4
Gtpbp4	2.68E-06	0.337	0.191	0.347	0.066536287	4
Stk4	3.17E-06	1.057	0.419	0.439	0.07873959	4
Nfatc3	3.21E-06	0.980	0.295	0.258	0.079770398	4
Arid1b	3.27E-06	0.306	0.148	0.28	0.08125846	4
Gxylt1	3.34E-06	0.398	0.146	0.277	0.082995892	4
Larp7	3.78E-06	0.372	0.14	0.267	0.09377262	4
Emg1	3.78E-06	0.254	0.14	0.269	0.093829885	4
Rpl36a	3.79E-06	0.496	0.644	0.695	0.094077089	4
Rsb1l1	3.90E-06	0.846	0.276	0.23	0.096859561	4
Ankhd1	4.49E-06	0.281	0.144	0.271	0.111646115	4
Fus	4.63E-06	0.496	0.711	0.853	0.115058645	4
Ppp6r3	5.20E-06	0.296	0.136	0.258	0.129051838	4
Trpm7	5.29E-06	0.350	0.217	0.381	0.131472738	4
Tulp4	5.64E-06	0.284	0.169	0.307	0.140163163	4
Rhoq	5.66E-06	0.455	0.167	0.307	0.140599366	4
Lpxn	5.68E-06	0.345	0.254	0.442	0.141143063	4
Fam193a	5.91E-06	0.349	0.159	0.289	0.146787972	4
Kat6a	6.03E-06	0.261	0.189	0.34	0.149658979	4
Ivns1abp	6.30E-06	0.965	0.407	0.42	0.156590475	4
Ppp3cb	6.90E-06	0.296	0.146	0.273	0.171427725	4
Zfp148	7.23E-06	0.315	0.138	0.261	0.179539698	4
Tnrc6b	7.55E-06	0.979	0.264	0.217	0.187542833	4
Ppp2r5e	8.41E-06	0.268	0.132	0.25	0.208836341	4
Gls	9.82E-06	0.643	0.585	0.696	0.244018775	4
Usp9x	1.05E-05	0.295	0.24	0.417	0.260710183	4
Fryl	1.06E-05	0.899	0.252	0.208	0.263816506	4
Gps2	1.09E-05	0.352	0.146	0.271	0.270356086	4

Cnot1	1.10E-05	0.379	0.177	0.319	0.274202537	4
Wac	1.11E-05	0.914	0.486	0.573	0.276605967	4
Sf3b3	1.17E-05	0.256	0.165	0.299	0.290228979	4
Nfkbiz	1.17E-05	0.481	0.457	0.441	0.291194499	4
Ndfip1	1.18E-05	0.844	0.323	0.303	0.294013661	4
Abcf1	1.21E-05	0.280	0.274	0.475	0.300475974	4
Pura	1.46E-05	0.306	0.181	0.323	0.363627225	4
Hectd1	1.50E-05	0.307	0.313	0.534	0.373435441	4
Rgs1	1.82E-05	0.414	0.598	0.591	0.45325794	4
Rpl18	1.84E-05	0.402	0.671	0.785	0.456930632	4
Pdha1	1.88E-05	0.288	0.169	0.304	0.468173353	4
Supt5	1.99E-05	0.323	0.144	0.263	0.493088338	4
Ube3a	2.01E-05	0.422	0.201	0.353	0.500163743	4
1700020I14Rik	2.17E-05	0.364	0.146	0.264	0.539374225	4
Fgl2	2.33E-05	0.320	0.262	0.432	0.579959208	4
Tle4	2.36E-05	0.321	0.205	0.354	0.585981912	4
Rnf4	2.45E-05	0.300	0.293	0.499	0.608679343	4
Zdhhc20	2.45E-05	0.377	0.179	0.315	0.608743454	4
Pkn2	2.46E-05	0.281	0.165	0.295	0.61105804	4
Clk4	2.47E-05	0.252	0.22	0.374	0.613265473	4
Chordc1	2.61E-05	0.383	0.197	0.346	0.648293389	4
Rps6kb1	2.64E-05	0.295	0.195	0.337	0.654875114	4
Rpl19	2.73E-05	0.413	0.683	0.782	0.678831841	4
Upf1	2.84E-05	0.331	0.181	0.316	0.705869625	4
Thoc2	3.05E-05	0.379	0.252	0.431	0.756919388	4
Gpr65	3.05E-05	0.319	0.248	0.409	0.757253935	4
Cab39	3.23E-05	0.281	0.293	0.5	0.802784946	4
Nrip1	3.26E-05	0.951	0.278	0.242	0.809831833	4
Tut7	3.40E-05	0.337	0.299	0.498	0.845612236	4
Rpl9-ps6	3.72E-05	0.459	0.618	0.715	0.923127549	4
Ubn2	3.78E-05	0.293	0.146	0.259	0.938150828	4
Ezr	3.87E-05	0.545	0.616	0.72	0.96055035	4
Brwd1	4.37E-05	0.292	0.146	0.256	1	4
Slc1a5	4.59E-05	0.865	0.368	0.372	1	4
Srsf10	4.73E-05	0.463	0.215	0.377	1	4
Ccnd3	4.86E-05	0.267	0.187	0.318	1	4
6-Mar	5.10E-05	0.253	0.177	0.308	1	4
Akirin2	5.20E-05	0.262	0.163	0.288	1	4
Cxxc1	5.35E-05	0.328	0.173	0.304	1	4
Rock1	5.44E-05	0.763	0.533	0.614	1	4
Chd7	5.68E-05	0.354	0.303	0.49	1	4
Rsl1d1	6.10E-05	0.416	0.193	0.336	1	4
Cdk13	6.66E-05	0.349	0.228	0.385	1	4
Npm3	7.32E-05	0.318	0.179	0.309	1	4
Ago2	7.44E-05	0.344	0.339	0.556	1	4
Eed	7.59E-05	0.356	0.205	0.346	1	4

Safb	7.70E-05	0.294	0.179	0.306	1	4
Prkx	8.17E-05	0.272	0.207	0.35	1	4
Usp48	8.51E-05	0.376	0.152	0.267	1	4
Rpl32	8.96E-05	0.345	0.744	0.812	1	4
Rps19	9.12E-05	0.350	0.742	0.798	1	4
Galnt1	9.80E-05	0.321	0.226	0.382	1	4
Ugcg	0.00010105	0.261	0.319	0.509	1	4
Khdc4	0.00010405	0.329	0.187	0.316	1	4
Ddx39b	0.00010542	0.406	0.337	0.556	1	4
Ubr5	0.0001186	0.301	0.175	0.298	1	4
Slc44a2	0.00012022	0.251	0.167	0.28	1	4
Ncor1	0.00012044	0.838	0.431	0.492	1	4
Cdk12	0.00012394	0.308	0.22	0.367	1	4
Fyn	0.00012668	0.710	0.431	0.462	1	4
Sms	0.00012671	0.305	0.167	0.285	1	4
Shisa5	0.0001306	0.677	0.484	0.552	1	4
Celf2	0.0001387	0.745	0.502	0.567	1	4
Hnrnpab	0.00013976	0.425	0.634	0.748	1	4
Wdr43	0.00015103	0.338	0.181	0.305	1	4
Znrf2	0.0001513	0.323	0.161	0.278	1	4
Mfsd14a	0.00015724	0.276	0.146	0.251	1	4
Gapvd1	0.00016748	0.440	0.209	0.356	1	4
Slu7	0.00017145	0.269	0.222	0.369	1	4
Nemf	0.00017905	0.445	0.209	0.349	1	4
Anp32e	0.00018442	0.365	0.272	0.448	1	4
Prrc2b	0.00019042	0.827	0.297	0.28	1	4
Jpt1	0.00019969	0.363	0.319	0.524	1	4
Mdh1	0.00020071	0.282	0.266	0.433	1	4
Ddb1	0.00020338	0.350	0.203	0.344	1	4
Malat1	0.00020704	0.462	0.921	0.967	1	4
Med1	0.00021832	0.387	0.169	0.284	1	4
Tpr	0.00022428	0.836	0.484	0.57	1	4
Ep400	0.00023405	0.380	0.179	0.298	1	4
Eny2	0.00025574	0.376	0.189	0.319	1	4
Kdm6a	0.00026028	0.299	0.177	0.294	1	4
Dhx40	0.0002633	0.450	0.215	0.349	1	4
Dnajc5	0.00027574	0.315	0.356	0.582	1	4
Chmp1b	0.00027589	0.334	0.165	0.277	1	4
Git2	0.00027639	0.506	0.228	0.38	1	4
Oaz1	0.00028199	0.258	0.73	0.841	1	4
Skil	0.00028299	0.683	0.551	0.656	1	4
Rpl14	0.00028584	0.389	0.61	0.698	1	4
Ranbp2	0.00030375	0.351	0.276	0.449	1	4
Polr1c	0.0003145	0.355	0.173	0.29	1	4
Tbl1x	0.00034824	0.269	0.193	0.317	1	4
Celf1	0.00035315	0.472	0.252	0.415	1	4

Gnl3	0.00035916	0.301	0.268	0.433	1	4
Snrnp70	0.00038063	0.385	0.327	0.541	1	4
Sltm	0.00038338	0.317	0.28	0.448	1	4
Xist	0.00039657	0.580	0.717	0.815	1	4
Arhgap45	0.00040381	0.723	0.402	0.428	1	4
Son	0.00041635	0.548	0.622	0.776	1	4
Cisd2	0.00041637	0.418	0.258	0.425	1	4
Dynll2	0.00041745	0.269	0.171	0.286	1	4
Fli1	0.0004327	0.293	0.171	0.283	1	4
Chd8	0.00044033	0.331	0.167	0.276	1	4
Lin54	0.00044379	0.274	0.15	0.25	1	4
Rpl35a	0.00045745	0.264	0.791	0.871	1	4
Smarca5	0.00047319	0.708	0.502	0.61	1	4
Pnir	0.00047925	0.415	0.205	0.329	1	4
Fam129a	0.00054477	0.375	0.171	0.279	1	4
Sumo1	0.00058105	0.355	0.264	0.433	1	4
Hipk1	0.00059576	0.263	0.291	0.462	1	4
Smg1	0.00061152	0.282	0.289	0.461	1	4
Sp3	0.00063661	0.354	0.256	0.409	1	4
Elmsan1	0.00066624	0.451	0.187	0.305	1	4
Tlk1	0.0006921	0.335	0.161	0.267	1	4
Gabarapl2	0.00071915	0.303	0.276	0.454	1	4
Hmgb2	0.0007438	0.445	0.591	0.683	1	4
Eif4a2	0.00076495	0.697	0.518	0.636	1	4
Baz1b	0.00076583	0.297	0.222	0.35	1	4
Suz12	0.00078198	0.277	0.203	0.323	1	4
Cnot4	0.00079258	0.414	0.191	0.312	1	4
Ankrd17	0.00079633	0.323	0.311	0.498	1	4
Rtf1	0.00086666	0.421	0.27	0.439	1	4
Cblb	0.00087047	0.808	0.301	0.287	1	4
Ccny	0.00089131	0.286	0.161	0.264	1	4
Rbm25	0.00096774	0.534	0.63	0.775	1	4
Rpl15	0.00098307	0.322	0.679	0.786	1	4
Rcc2	0.00099749	0.297	0.152	0.25	1	4
Erbin	0.00103974	0.255	0.232	0.369	1	4
App11	0.00104078	0.360	0.177	0.283	1	4
Rsrc2	0.00106022	0.364	0.337	0.529	1	4
Mir142hg	0.0011149	0.810	0.293	0.272	1	4
Aff1	0.00112149	0.287	0.28	0.442	1	4
Gm9493	0.00115724	0.286	0.187	0.306	1	4
Epc2	0.00118603	0.405	0.165	0.266	1	4
Hexim1	0.00121157	0.395	0.606	0.723	1	4
Elov15	0.00124018	0.778	0.388	0.431	1	4
Rdx	0.00124691	0.332	0.256	0.408	1	4
Tnrc6a	0.00125318	0.622	0.27	0.437	1	4
Cdkn1b	0.00126887	0.891	0.413	0.46	1	4



Rpl24	0.00127752	0.284	0.713	0.8	1	4
Kdm6b	0.00130264	0.387	0.685	0.82	1	4
Rps2	0.00139369	0.255	0.744	0.804	1	4
Nab1	0.00140266	0.346	0.28	0.446	1	4
Srrt	0.00145319	0.503	0.209	0.337	1	4
Tnfaip8	0.00155624	0.471	0.264	0.415	1	4
Ube2h	0.00155856	0.366	0.272	0.428	1	4
Tsc22d3	0.0015699	0.339	0.278	0.432	1	4
G3bp2	0.00160406	0.753	0.386	0.43	1	4
Mia3	0.00164002	0.378	0.222	0.354	1	4
Rbbp7	0.00172336	0.336	0.222	0.346	1	4
Sirt1	0.0017647	0.286	0.205	0.318	1	4
Ppil4	0.0017658	0.250	0.159	0.253	1	4
Mat2b	0.00178588	0.263	0.175	0.276	1	4
Nop58	0.00191984	0.387	0.244	0.382	1	4
Crlf3	0.00192164	0.449	0.236	0.368	1	4
Iqgap2	0.00193471	0.294	0.165	0.262	1	4
Trim33	0.00203728	0.358	0.167	0.264	1	4
mt-Atp8	0.00207441	0.352	0.333	0.526	1	4
Trim28	0.00211446	0.393	0.258	0.414	1	4
Usp25	0.00216296	0.353	0.228	0.36	1	4
Ppp2r5a	0.00231806	0.335	0.24	0.379	1	4
Map3k1	0.00233348	0.333	0.242	0.375	1	4
Bzw1	0.0025025	0.535	0.53	0.652	1	4
Mepce	0.00252043	0.290	0.161	0.251	1	4
N4bp2l2	0.00255112	0.523	0.211	0.332	1	4
Esco1	0.00262261	0.320	0.173	0.269	1	4
Magoh	0.00263049	0.307	0.217	0.343	1	4
Kpna1	0.00265273	0.458	0.191	0.304	1	4
Ggnbp2	0.002686	0.357	0.37	0.579	1	4
Thap12	0.00273237	0.264	0.161	0.25	1	4
Slc9a3r1	0.00275967	0.293	0.307	0.481	1	4
Ppp4r3b	0.00283899	0.401	0.299	0.473	1	4
Tpp2	0.00286366	0.770	0.433	0.511	1	4
Arl5b	0.00303273	0.429	0.173	0.269	1	4
Pan3	0.00323494	0.531	0.256	0.397	1	4
Lbh	0.00330091	0.403	0.161	0.252	1	4
Arfgef1	0.00332133	0.404	0.211	0.327	1	4
Crybg1	0.00359514	0.432	0.183	0.284	1	4
Pdzd8	0.00371394	0.312	0.175	0.268	1	4
Cast	0.00376148	0.370	0.283	0.44	1	4
Orai1	0.0037951	0.740	0.362	0.391	1	4
Macf1	0.00384891	0.870	0.388	0.445	1	4
Prex1	0.00392648	0.363	0.217	0.336	1	4
Hnrnpul2	0.00394454	0.306	0.309	0.483	1	4
Scaf11	0.00408078	0.391	0.276	0.434	1	4

Nup98	0.0041049	0.322	0.327	0.514	1	4
Bzw2	0.00411973	0.827	0.254	0.247	1	4
Itgb1	0.00451854	0.265	0.392	0.589	1	4
Csnk1g2	0.00462078	0.407	0.161	0.253	1	4
Pcna	0.00466445	0.456	0.547	0.676	1	4
Arid4a	0.00469427	0.637	0.244	0.371	1	4
Chd3	0.00480885	0.842	0.252	0.243	1	4
Kansl1	0.0056784	0.551	0.254	0.391	1	4
Rbm27	0.00567902	0.392	0.22	0.338	1	4
Naa15	0.0057264	0.420	0.307	0.479	1	4
Elmo1	0.00587785	0.275	0.228	0.348	1	4
Atf2	0.0058792	0.374	0.181	0.278	1	4
Stk24	0.00595012	0.318	0.313	0.485	1	4
Pom121	0.00605752	0.321	0.215	0.331	1	4
Xrn2	0.0060975	0.479	0.301	0.471	1	4
Ddx21	0.00634251	0.753	0.427	0.515	1	4
Srsf2	0.00678426	0.339	0.724	0.872	1	4
Tprgl	0.00735916	0.357	0.203	0.315	1	4
Srsf7	0.00752144	0.683	0.49	0.603	1	4
Cyld	0.00758086	0.378	0.169	0.255	1	4
Prdm2	0.00783907	0.380	0.358	0.537	1	4
Lbr	0.00800345	0.589	0.278	0.271	1	4
Usp7	0.00800518	0.421	0.341	0.528	1	4
Srpk1	0.00829439	0.536	0.183	0.279	1	4
Hdac1	0.0084529	0.359	0.22	0.331	1	4
Ubr2	0.00873626	0.536	0.215	0.327	1	4
Irf2bpl	0.00906281	0.418	0.23	0.342	1	4
Taf1d	0.00923926	0.313	0.374	0.558	1	4
Rb1cc1	0.00926928	0.760	0.317	0.33	1	4
Nop53	0.00933043	0.803	0.404	0.479	1	4
Stat1	0.00942481	0.457	0.264	0.392	1	4
Mllt6	0.00977809	0.329	0.191	0.28	1	4
Cd209a	0	3.471	0.686	0.027	0	5
Klrb1b	1.84E-286	1.661	0.599	0.07	4.58E-282	5
Cd209d	1.50E-246	1.362	0.329	0.017	3.73E-242	5
H2-DMb2	1.64E-233	1.817	0.623	0.103	4.07E-229	5
Wnt11	5.08E-223	1.646	0.612	0.099	1.26E-218	5
H2-Ab1	1.83E-220	2.344	0.989	0.643	4.55E-216	5
H2-Eb1	9.56E-214	2.225	0.985	0.559	2.37E-209	5
H2-Aa	5.53E-204	2.088	0.993	0.619	1.37E-199	5
Gpr171	8.38E-197	1.316	0.617	0.114	2.08E-192	5
Ctnnd2	2.58E-195	0.709	0.314	0.023	6.40E-191	5
Cd74	9.58E-195	1.986	0.998	0.759	2.38E-190	5
Clec10a	1.38E-190	1.817	0.704	0.176	3.42E-186	5
Mgl2	1.91E-179	3.042	0.638	0.154	4.74E-175	5
Klrd1	5.04E-175	1.190	0.455	0.063	1.25E-170	5

Cdh1	7.24E-173	0.800	0.314	0.027	1.80E-168	5
Olfm1	1.82E-170	1.554	0.778	0.248	4.52E-166	5
Napsa	5.11E-170	1.348	0.688	0.174	1.27E-165	5
H2-DMA	6.05E-164	1.494	0.871	0.349	1.50E-159	5
Kmo	2.51E-160	0.760	0.336	0.036	6.24E-156	5
H2-DMb1	2.53E-160	1.424	0.797	0.268	6.28E-156	5
Ifitm1	4.34E-159	2.199	0.59	0.126	1.08E-154	5
Il1r2	5.46E-150	1.792	0.806	0.276	1.36E-145	5
Syng2	1.27E-145	1.569	0.902	0.459	3.15E-141	5
Vdr	3.44E-141	1.586	0.608	0.16	8.53E-137	5
Spint1	2.54E-138	0.710	0.39	0.06	6.31E-134	5
Ciita	1.55E-128	0.900	0.447	0.087	3.84E-124	5
Plbd1	4.26E-127	1.251	0.908	0.424	1.06E-122	5
Pgf	2.94E-126	1.296	0.318	0.043	7.31E-122	5
H2-Ob	3.15E-121	0.664	0.346	0.053	7.82E-117	5
Cst3	3.11E-117	1.118	0.991	0.778	7.73E-113	5
Klrk1	5.70E-117	0.887	0.477	0.107	1.41E-112	5
Tnip3	8.82E-116	1.307	0.549	0.153	2.19E-111	5
Gm2a	2.20E-110	1.402	0.924	0.63	5.46E-106	5
Cd83	1.25E-109	1.358	0.832	0.396	3.10E-105	5
H2afy	2.06E-109	1.238	0.919	0.582	5.11E-105	5
Ms4a4c	6.22E-108	1.112	0.728	0.259	1.54E-103	5
Etv3	3.92E-107	1.415	0.874	0.458	9.74E-103	5
Csf2rb	2.52E-106	1.211	0.967	0.591	6.27E-102	5
Malt1	2.26E-104	1.193	0.858	0.431	5.61E-100	5
S100a4	8.08E-102	1.206	0.887	0.455	2.01E-97	5
Rel	1.03E-100	1.252	0.913	0.562	2.57E-96	5
Cytip	9.91E-98	1.101	0.961	0.636	2.46E-93	5
Gpr132	9.45E-96	1.093	0.946	0.546	2.35E-91	5
Atox1	4.65E-94	1.086	0.889	0.512	1.15E-89	5
Uck2	2.43E-93	1.051	0.828	0.394	6.03E-89	5
Ifitm2	7.94E-92	1.075	0.952	0.604	1.97E-87	5
Lsp1	1.26E-91	0.951	0.915	0.497	3.14E-87	5
Htr7	7.43E-91	0.581	0.329	0.063	1.85E-86	5
Ahr	2.48E-90	0.779	0.51	0.151	6.16E-86	5
Ccnd1	1.90E-86	1.245	0.547	0.182	4.71E-82	5
Ifitm3	2.13E-86	1.073	0.935	0.529	5.28E-82	5
Ramp3	6.37E-86	0.969	0.623	0.217	1.58E-81	5
Gcnt2	2.53E-85	0.864	0.499	0.144	6.29E-81	5
Ocstamp	1.80E-83	0.662	0.264	0.044	4.46E-79	5
Fyn	6.10E-83	0.951	0.826	0.432	1.52E-78	5
Zbtb18	2.10E-82	1.117	0.545	0.192	5.21E-78	5
3-Sep	7.78E-82	0.540	0.257	0.04	1.93E-77	5
Crip1	7.77E-79	1.011	0.939	0.663	1.93E-74	5
Cbfa2t3	5.64E-78	0.875	0.719	0.299	1.40E-73	5
Jaml	2.06E-77	0.880	0.41	0.109	5.12E-73	5

S100a11	3.37E-77	0.914	0.976	0.794	8.38E-73	5
Pmvk	5.62E-76	0.715	0.427	0.128	1.39E-71	5
Vrk1	2.28E-74	0.759	0.505	0.178	5.67E-70	5
Rpl28	5.42E-74	0.692	0.985	0.825	1.35E-69	5
Nr4a3	2.27E-72	0.956	0.843	0.463	5.65E-68	5
Cfp	1.75E-71	0.895	0.769	0.378	4.34E-67	5
Naga	2.34E-71	0.785	0.571	0.228	5.80E-67	5
Eif5a	1.08E-70	0.753	0.967	0.811	2.67E-66	5
P2ry10	1.17E-70	0.629	0.662	0.249	2.90E-66	5
Itgax	4.49E-70	0.801	0.59	0.226	1.12E-65	5
Gprc5a	2.07E-69	0.929	0.394	0.113	5.15E-65	5
Cd86	4.66E-69	0.904	0.717	0.359	1.16E-64	5
Pak1	6.37E-69	0.757	0.497	0.184	1.58E-64	5
Dpp4	1.12E-68	0.540	0.331	0.081	2.78E-64	5
Bri3bp	1.56E-68	0.630	0.519	0.19	3.89E-64	5
Elmsan1	1.15E-66	0.817	0.623	0.271	2.84E-62	5
Csf2rb2	1.40E-66	0.811	0.813	0.432	3.49E-62	5
Ccr7	1.80E-66	0.640	0.453	0.136	4.48E-62	5
Arap2	4.07E-66	0.861	0.436	0.141	1.01E-61	5
Gdi2	5.97E-66	0.878	0.941	0.67	1.48E-61	5
Tspan13	1.74E-65	0.839	0.752	0.376	4.32E-61	5
Pkib	1.10E-64	0.847	0.466	0.167	2.74E-60	5
S100a6	1.30E-64	0.821	0.946	0.762	3.23E-60	5
Rin3	4.22E-64	0.513	0.423	0.135	1.05E-59	5
Rps11	2.49E-63	0.710	0.959	0.821	6.20E-59	5
Arl8b	3.30E-63	0.861	0.826	0.508	8.20E-59	5
Ctsd	6.66E-63	-2.054	0.277	0.609	1.66E-58	5
Picalm	1.07E-62	0.728	0.967	0.805	2.65E-58	5
Rps25	1.54E-62	0.663	0.972	0.839	3.82E-58	5
Rps27a	2.00E-62	0.668	0.978	0.863	4.97E-58	5
Prp	4.02E-62	0.762	0.664	0.335	9.99E-58	5
Got1	4.90E-62	0.762	0.898	0.629	1.22E-57	5
Slc30a4	1.23E-61	0.474	0.264	0.059	3.07E-57	5
Pxdc1	1.71E-61	0.728	0.292	0.073	4.24E-57	5
Flrt3	3.04E-61	1.073	0.636	0.288	7.56E-57	5
Cxcl16	4.41E-61	0.994	0.728	0.37	1.09E-56	5
Rps16	4.32E-60	0.629	0.974	0.853	1.07E-55	5
Dennd4a	1.11E-58	0.734	0.834	0.502	2.77E-54	5
Traf1	1.35E-58	0.616	0.747	0.353	3.36E-54	5
Dapk1	9.26E-58	0.642	0.401	0.137	2.30E-53	5
Dapp1	1.49E-57	0.613	0.516	0.207	3.69E-53	5
Cd52	2.74E-57	0.725	0.967	0.827	6.80E-53	5
Rpl13	6.55E-57	0.607	0.996	0.831	1.63E-52	5
Sh3bgrl3	1.85E-56	0.674	0.976	0.834	4.59E-52	5
Irf5	4.00E-56	0.720	0.551	0.241	9.93E-52	5
Cd300a	5.00E-56	0.704	0.614	0.29	1.24E-51	5

Nfkbie	6.04E-56	0.679	0.638	0.302	1.50E-51	5
Plscr1	3.09E-55	0.720	0.462	0.178	7.67E-51	5
Srebf2	5.20E-55	0.691	0.756	0.418	1.29E-50	5
Agpat4	3.74E-54	0.653	0.651	0.326	9.28E-50	5
Rap2a	4.83E-54	0.920	0.606	0.31	1.20E-49	5
Itgb7	6.71E-54	0.514	0.675	0.299	1.67E-49	5
Nrros	7.51E-54	0.749	0.793	0.456	1.86E-49	5
Tmem176a	2.45E-53	0.817	0.418	0.145	6.09E-49	5
Grasp	6.64E-53	0.646	0.322	0.095	1.65E-48	5
Pfkip	7.42E-53	0.738	0.741	0.426	1.84E-48	5
1700025G04Rik	8.44E-53	0.529	0.333	0.103	2.10E-48	5
Map4k1	1.28E-52	0.574	0.379	0.13	3.18E-48	5
Sema7a	1.09E-51	0.619	0.355	0.108	2.70E-47	5
Sec61b	1.27E-51	0.741	0.852	0.585	3.15E-47	5
Ctnna1	2.07E-51	0.804	0.695	0.395	5.15E-47	5
Pip4k2a	2.38E-51	0.738	0.68	0.37	5.90E-47	5
Ccnd3	8.76E-51	0.614	0.597	0.286	2.18E-46	5
Naaa	3.49E-49	0.671	0.641	0.309	8.67E-45	5
Jak2	3.83E-48	0.663	0.752	0.415	9.50E-44	5
Pip5k1c	6.88E-48	0.627	0.832	0.526	1.71E-43	5
Tmsb4x	1.59E-47	0.528	1	0.97	3.96E-43	5
St8sia4	4.70E-47	0.667	0.58	0.282	1.17E-42	5
AA467197	1.10E-46	0.988	0.438	0.171	2.73E-42	5
Rpl23a	1.34E-46	0.540	0.961	0.825	3.32E-42	5
Ank	2.45E-46	0.491	0.309	0.099	6.08E-42	5
Hmox1	3.41E-46	-2.310	0.272	0.57	8.46E-42	5
Grb2	7.06E-46	0.638	0.939	0.721	1.75E-41	5
Mcemp1	7.43E-46	0.364	0.312	0.093	1.85E-41	5
Maf	2.49E-45	-1.652	0.102	0.438	6.20E-41	5
Rps4x	2.89E-45	0.640	0.963	0.783	7.17E-41	5
Mefv	3.30E-45	0.482	0.373	0.127	8.19E-41	5
Rps6	3.60E-45	0.567	0.967	0.823	8.93E-41	5
Myo1g	5.71E-45	0.666	0.678	0.363	1.42E-40	5
Rps9	9.48E-45	0.547	0.989	0.91	2.36E-40	5
Tiam1	1.33E-44	0.531	0.516	0.229	3.30E-40	5
Ube2e3	2.55E-44	0.642	0.575	0.304	6.33E-40	5
Rpl39	6.32E-44	0.529	0.983	0.842	1.57E-39	5
Sod1	1.56E-43	0.653	0.915	0.691	3.87E-39	5
Fyb	1.74E-43	-1.320	0.438	0.67	4.31E-39	5
C5ar1	2.33E-43	-1.641	0.107	0.421	5.79E-39	5
Rps26	4.60E-43	0.474	0.987	0.876	1.14E-38	5
Foxn3	5.24E-43	0.696	0.614	0.331	1.30E-38	5
Rpl21	7.33E-43	0.560	0.956	0.756	1.82E-38	5
Ext1	7.75E-43	0.635	0.512	0.244	1.92E-38	5
H2afz	8.14E-43	0.589	0.98	0.822	2.02E-38	5
Cenpa	3.07E-42	0.727	0.582	0.304	7.62E-38	5

Gcsh	1.22E-41	0.776	0.58	0.308	3.03E-37	5
Rpl6	1.65E-41	0.496	0.976	0.842	4.10E-37	5
Rpl14	1.98E-41	0.589	0.895	0.675	4.93E-37	5
Cd80	2.20E-41	0.503	0.51	0.233	5.45E-37	5
Map4k4	4.21E-41	0.774	0.795	0.527	1.05E-36	5
Fgr	4.75E-41	0.468	0.477	0.209	1.18E-36	5
Crtc3	5.30E-41	0.627	0.538	0.267	1.32E-36	5
Cxcl2	6.58E-41	-4.104	0.473	0.672	1.63E-36	5
Tspo	8.05E-41	0.732	0.808	0.552	2.00E-36	5
Tmem50b	9.24E-41	0.595	0.525	0.258	2.30E-36	5
Rpl35a	1.39E-40	0.488	0.98	0.856	3.45E-36	5
Tmem131	1.43E-40	0.603	0.529	0.265	3.56E-36	5
Ms4a6c	1.98E-40	0.596	0.797	0.449	4.91E-36	5
Gan	3.19E-40	0.605	0.383	0.153	7.92E-36	5
Rps12	7.39E-40	0.455	0.974	0.901	1.83E-35	5
Slc11a1	8.80E-40	-1.122	0.085	0.391	2.19E-35	5
Fcgrt	9.50E-40	0.519	0.464	0.204	2.36E-35	5
Nod2	9.63E-40	0.466	0.283	0.092	2.39E-35	5
Crybg1	1.62E-39	0.610	0.523	0.257	4.01E-35	5
Fem1c	2.00E-39	0.521	0.904	0.637	4.97E-35	5
Rps8	3.82E-39	0.492	0.985	0.865	9.49E-35	5
Tmem176b	4.25E-39	0.611	0.447	0.192	1.06E-34	5
Apoe	5.55E-39	-3.365	0.281	0.528	1.38E-34	5
Cebpb	7.33E-39	-1.293	0.673	0.79	1.82E-34	5
Fam49b	1.07E-38	0.552	0.847	0.587	2.65E-34	5
Bcl3	1.08E-38	0.514	0.636	0.346	2.69E-34	5
Lactb	1.33E-38	0.471	0.556	0.284	3.29E-34	5
Rhob	1.38E-38	-1.962	0.314	0.559	3.42E-34	5
Alox5ap	1.76E-38	0.498	0.889	0.582	4.36E-34	5
Plin2	3.38E-38	-1.435	0.449	0.638	8.39E-34	5
Ikbkb	3.40E-38	0.561	0.61	0.338	8.44E-34	5
Bhlhe40	4.61E-38	0.654	0.889	0.688	1.14E-33	5
Mt1	5.02E-38	0.721	0.941	0.758	1.25E-33	5
Afdn	5.67E-38	0.377	0.292	0.102	1.41E-33	5
Map3k14	8.31E-38	0.522	0.296	0.1	2.07E-33	5
Clec4d	1.06E-37	-2.364	0.161	0.445	2.64E-33	5
Gabarapl1	2.08E-37	0.635	0.566	0.309	5.18E-33	5
Med13l	2.50E-37	0.584	0.686	0.406	6.21E-33	5
Ckb	3.01E-37	0.522	0.453	0.207	7.49E-33	5
Rps24	3.35E-37	0.428	0.987	0.862	8.32E-33	5
Actg1	7.83E-37	0.442	0.996	0.966	1.95E-32	5
Mafb	9.36E-37	-1.810	0.183	0.457	2.33E-32	5
Pld4	1.21E-36	0.531	0.68	0.363	3.02E-32	5
Hnrnp1l	1.26E-36	0.673	0.595	0.345	3.12E-32	5
Zmiz2	1.84E-36	0.570	0.471	0.233	4.56E-32	5
Phlda1	2.44E-36	-1.585	0.209	0.498	6.06E-32	5

Fam117b	3.00E-36	0.541	0.68	0.411	7.45E-32	5
Myadm	3.11E-36	0.522	0.68	0.388	7.73E-32	5
Lhfpl2	3.49E-36	-1.812	0.122	0.407	8.67E-32	5
Zfp263	4.84E-36	0.504	0.379	0.159	1.20E-31	5
Stat5a	5.15E-36	0.466	0.379	0.155	1.28E-31	5
Phlpp1	5.99E-36	0.462	0.436	0.196	1.49E-31	5
Laptm5	8.20E-36	0.450	0.976	0.853	2.04E-31	5
Ybx3	1.41E-35	0.686	0.739	0.474	3.49E-31	5
Fxyd5	1.47E-35	0.544	0.922	0.75	3.65E-31	5
Dpysl2	1.51E-35	0.636	0.512	0.277	3.75E-31	5
Spag9	1.96E-35	0.540	0.908	0.672	4.88E-31	5
Nuak2	1.97E-35	0.464	0.608	0.32	4.90E-31	5
Rpl31	2.23E-35	0.450	0.983	0.834	5.53E-31	5
Gpr183	4.09E-35	0.670	0.403	0.173	1.02E-30	5
Cd84	4.63E-35	-0.989	0.078	0.355	1.15E-30	5
Rps28	4.67E-35	0.452	0.974	0.886	1.16E-30	5
Ier3	5.49E-35	-1.916	0.401	0.619	1.36E-30	5
Cd63	7.20E-35	-1.638	0.251	0.49	1.79E-30	5
Rpl4	7.66E-35	0.508	0.95	0.777	1.90E-30	5
Rab20	8.33E-35	-1.148	0.129	0.414	2.07E-30	5
Rps23	1.51E-34	0.440	0.976	0.841	3.74E-30	5
Rnf24	1.73E-34	0.360	0.29	0.101	4.29E-30	5
Psmb8	2.60E-34	0.515	0.854	0.559	6.46E-30	5
Rps19	2.89E-34	0.465	0.959	0.781	7.17E-30	5
Erp29	3.52E-34	0.551	0.717	0.44	8.74E-30	5
Rpl35	4.33E-34	0.503	0.946	0.782	1.08E-29	5
Krt80	4.59E-34	0.563	0.281	0.099	1.14E-29	5
Ece1	5.53E-34	0.447	0.394	0.17	1.37E-29	5
Rps18	5.83E-34	0.504	0.911	0.698	1.45E-29	5
Thbs1	6.91E-34	-2.156	0.307	0.565	1.72E-29	5
Mllt6	7.62E-34	0.593	0.508	0.256	1.89E-29	5
Rpl26	1.35E-33	0.470	0.956	0.762	3.35E-29	5
Rpl38	1.36E-33	0.436	0.972	0.851	3.37E-29	5
Fbl	2.05E-33	0.538	0.499	0.262	5.09E-29	5
Tubal1a	2.26E-33	0.588	0.606	0.349	5.61E-29	5
Wdfy4	2.42E-33	0.395	0.349	0.142	6.02E-29	5
Coro1a	3.92E-33	0.453	0.948	0.751	9.74E-29	5
Nfe2l2	4.30E-33	0.616	0.819	0.556	1.07E-28	5
Runx3	4.41E-33	0.525	0.765	0.478	1.09E-28	5
Rpl23	5.14E-33	0.399	0.991	0.911	1.28E-28	5
Mkl1	8.90E-33	0.475	0.336	0.138	2.21E-28	5
Ctsl	1.48E-32	-1.990	0.309	0.517	3.68E-28	5
Grk3	2.62E-32	0.483	0.294	0.111	6.50E-28	5
Rpl7a	3.34E-32	0.425	0.967	0.799	8.30E-28	5
Uvrag	4.22E-32	0.472	0.662	0.401	1.05E-27	5
Msr1	4.95E-32	-1.245	0.096	0.354	1.23E-27	5

Rack1	5.06E-32	0.474	0.941	0.748	1.26E-27	5
Ndufa6	6.89E-32	0.538	0.606	0.368	1.71E-27	5
Zfp106	1.02E-31	0.551	0.534	0.305	2.53E-27	5
Tnfrsf1a	1.04E-31	0.492	0.551	0.31	2.58E-27	5
Rpl41	1.33E-31	0.371	0.996	0.909	3.30E-27	5
Sh3bgr1	1.64E-31	0.598	0.749	0.502	4.07E-27	5
Rps29	1.65E-31	0.374	0.998	0.923	4.09E-27	5
Rpl27a	2.21E-31	0.400	0.978	0.85	5.48E-27	5
Ctsb	2.24E-31	-1.815	0.919	0.846	5.57E-27	5
Rps7	2.96E-31	0.464	0.943	0.791	7.35E-27	5
B3gnt5	3.60E-31	0.470	0.407	0.181	8.94E-27	5
Ube2h	3.87E-31	0.469	0.651	0.398	9.60E-27	5
Cux1	4.76E-31	0.440	0.638	0.384	1.18E-26	5
Rpsa	5.56E-31	0.402	0.965	0.738	1.38E-26	5
Ubl3	6.39E-31	0.494	0.841	0.605	1.59E-26	5
Lats2	1.04E-30	0.475	0.664	0.416	2.58E-26	5
Stat2	1.04E-30	0.651	0.586	0.331	2.58E-26	5
Rpl10	1.39E-30	0.502	0.906	0.755	3.44E-26	5
Gpd2	1.50E-30	0.435	0.527	0.278	3.74E-26	5
Themis2	2.40E-30	0.421	0.37	0.163	5.96E-26	5
C1qc	3.02E-30	-2.398	0.142	0.379	7.50E-26	5
Slc44a2	3.32E-30	0.487	0.49	0.254	8.25E-26	5
Lrrc8d	4.19E-30	0.525	0.632	0.389	1.04E-25	5
Rpl11	9.53E-30	0.423	0.946	0.767	2.37E-25	5
Rpl15	1.43E-29	0.445	0.946	0.765	3.55E-25	5
Sh3pxd2b	1.50E-29	0.431	0.473	0.251	3.73E-25	5
Rps15	1.58E-29	0.415	0.972	0.804	3.94E-25	5
C1qa	2.69E-29	-1.921	0.059	0.297	6.69E-25	5
Psme1	3.17E-29	0.467	0.83	0.572	7.87E-25	5
Txnrd1	5.46E-29	0.485	0.645	0.408	1.36E-24	5
Tyrobp	5.77E-29	0.438	0.954	0.702	1.43E-24	5
Snd1	8.05E-29	0.458	0.627	0.396	2.00E-24	5
6-Sep	1.06E-28	0.365	0.397	0.18	2.64E-24	5
Egr1	1.42E-28	-2.698	0.231	0.473	3.54E-24	5
Synj1	1.44E-28	0.361	0.691	0.424	3.58E-24	5
Dhcr24	1.67E-28	0.409	0.327	0.138	4.14E-24	5
Rhof	1.82E-28	0.445	0.39	0.172	4.51E-24	5
Selplg	2.26E-28	0.429	0.782	0.522	5.62E-24	5
Il4ra	2.99E-28	0.404	0.632	0.378	7.44E-24	5
Rpl37	3.42E-28	0.414	0.965	0.84	8.50E-24	5
Rpl18	3.80E-28	0.431	0.952	0.763	9.45E-24	5
Ifi205	6.09E-28	0.649	0.314	0.13	1.51E-23	5
Samd4b	6.78E-28	0.477	0.551	0.333	1.68E-23	5
Rftn1	6.90E-28	0.443	0.514	0.288	1.71E-23	5
Acot7	8.32E-28	0.403	0.427	0.215	2.07E-23	5
Ms4a7	9.48E-28	-1.616	0.041	0.266	2.35E-23	5



Dusp3	1.01E-27	0.498	0.608	0.366	2.51E-23	5
Pla2g7	1.01E-27	-1.328	0.148	0.388	2.52E-23	5
Erlin1	1.20E-27	0.382	0.373	0.176	2.99E-23	5
Samhd1	1.33E-27	0.584	0.85	0.622	3.29E-23	5
Snap23	1.34E-27	0.434	0.566	0.345	3.34E-23	5
Etv6	1.55E-27	0.484	0.512	0.293	3.85E-23	5
Gpat4	1.64E-27	0.513	0.49	0.278	4.07E-23	5
Ddx6	2.26E-27	0.431	0.887	0.68	5.61E-23	5
Tkt	2.41E-27	0.478	0.706	0.459	5.98E-23	5
Dusp5	3.15E-27	0.374	0.943	0.752	7.81E-23	5
Rpl32	3.83E-27	0.406	0.967	0.795	9.52E-23	5
Sub1	3.97E-27	0.378	0.9	0.691	9.85E-23	5
Pdcd1lg2	5.04E-27	0.347	0.331	0.14	1.25E-22	5
Tnf	5.16E-27	-1.691	0.102	0.341	1.28E-22	5
Nr4a2	5.32E-27	0.429	0.756	0.493	1.32E-22	5
Rps20	6.19E-27	0.360	0.978	0.838	1.54E-22	5
Rpl8	8.85E-27	0.451	0.926	0.757	2.20E-22	5
Rpl17	1.09E-26	0.340	0.989	0.891	2.71E-22	5
Herpud1	1.14E-26	0.533	0.73	0.5	2.84E-22	5
H13	1.28E-26	0.409	0.645	0.408	3.18E-22	5
Slc38a1	1.29E-26	0.403	0.734	0.496	3.20E-22	5
Ccl2	2.01E-26	-1.838	0.118	0.344	4.98E-22	5
Snx20	2.04E-26	0.360	0.471	0.249	5.06E-22	5
C1qb	2.09E-26	-2.234	0.203	0.409	5.18E-22	5
Rps5	2.41E-26	0.385	0.948	0.791	5.97E-22	5
Eef1g	2.51E-26	0.476	0.778	0.562	6.23E-22	5
Trappc5	2.53E-26	0.394	0.305	0.136	6.28E-22	5
Prkcd	2.94E-26	0.429	0.806	0.561	7.31E-22	5
Eps8	3.99E-26	0.429	0.621	0.374	9.90E-22	5
G3bp1	5.08E-26	0.503	0.882	0.667	1.26E-21	5
Osgin2	5.18E-26	0.480	0.386	0.193	1.29E-21	5
Ccr5	6.53E-26	0.486	0.73	0.472	1.62E-21	5
Ptms	8.49E-26	0.413	0.893	0.657	2.11E-21	5
Psm7	1.05E-25	0.474	0.728	0.493	2.62E-21	5
Trim25	1.08E-25	0.460	0.834	0.582	2.67E-21	5
Rps27	1.18E-25	0.309	0.963	0.899	2.93E-21	5
Cyp51	1.30E-25	0.516	0.51	0.285	3.24E-21	5
Smdt1	1.42E-25	0.424	0.529	0.315	3.54E-21	5
Zyx	1.49E-25	0.479	0.76	0.542	3.70E-21	5
Pde4b	1.70E-25	0.358	0.804	0.544	4.22E-21	5
Gramd4	1.72E-25	0.309	0.259	0.102	4.28E-21	5
Gsn	1.90E-25	0.426	0.562	0.339	4.72E-21	5
Chp1	2.17E-25	0.403	0.741	0.501	5.38E-21	5
Ptpro	2.19E-25	0.390	0.322	0.147	5.45E-21	5
Purb	2.30E-25	0.399	0.747	0.504	5.72E-21	5
Pitpna	2.80E-25	0.476	0.828	0.621	6.96E-21	5

Arpc1b	3.15E-25	0.378	0.976	0.825	7.84E-21	5
Emp3	4.41E-25	0.421	0.898	0.655	1.10E-20	5
Ccl3	4.52E-25	-3.752	0.107	0.326	1.12E-20	5
Ly86	4.52E-25	0.297	0.769	0.449	1.12E-20	5
Pld3	4.54E-25	-1.023	0.216	0.43	1.13E-20	5
Prnp	7.26E-25	0.636	0.253	0.103	1.80E-20	5
Txn1	1.03E-24	-0.723	0.895	0.827	2.56E-20	5
Ly6a	1.07E-24	0.675	0.545	0.319	2.65E-20	5
Plcg2	1.21E-24	0.392	0.466	0.263	3.00E-20	5
Skap2	1.24E-24	0.343	0.712	0.445	3.08E-20	5
Map3k1	1.41E-24	0.440	0.566	0.35	3.50E-20	5
Spi1	1.92E-24	0.413	0.808	0.548	4.77E-20	5
Rilpl2	2.15E-24	0.508	0.797	0.601	5.34E-20	5
Rpl37a	2.16E-24	0.359	0.976	0.853	5.37E-20	5
Rpl18a	2.87E-24	0.352	0.963	0.821	7.12E-20	5
Rpl10a	3.09E-24	0.378	0.865	0.621	7.69E-20	5
Timp2	3.28E-24	-1.314	0.107	0.316	8.15E-20	5
Pcbp1	3.63E-24	0.397	0.943	0.784	9.00E-20	5
Pnrc1	3.74E-24	-1.150	0.634	0.743	9.29E-20	5
Casp6	3.75E-24	0.439	0.325	0.156	9.32E-20	5
Atp1a1	4.18E-24	0.416	0.791	0.574	1.04E-19	5
Paf1	4.60E-24	0.438	0.534	0.319	1.14E-19	5
Ass1	4.95E-24	0.341	0.453	0.236	1.23E-19	5
Ier5	6.75E-24	-1.145	0.673	0.757	1.68E-19	5
Rpl29	8.76E-24	0.392	0.915	0.715	2.18E-19	5
Rps14	1.27E-23	0.360	0.967	0.86	3.16E-19	5
Lta4h	1.32E-23	0.414	0.449	0.258	3.28E-19	5
F13a1	1.90E-23	-1.394	0.074	0.282	4.71E-19	5
1700017B05Rik	1.94E-23	-1.061	0.211	0.433	4.83E-19	5
Eif3k	1.95E-23	0.407	0.702	0.493	4.85E-19	5
Pf4	2.57E-23	-1.963	0.057	0.254	6.39E-19	5
Sowahc	2.61E-23	0.428	0.521	0.3	6.49E-19	5
Fmn11	2.93E-23	0.271	0.754	0.502	7.28E-19	5
Nfkb1	2.97E-23	0.330	0.837	0.627	7.37E-19	5
Eeal	3.41E-23	-1.039	0.272	0.495	8.48E-19	5
Slc25a20	3.56E-23	0.343	0.39	0.202	8.84E-19	5
Lrrfip1	3.63E-23	0.364	0.83	0.626	9.02E-19	5
Cnbp	3.99E-23	0.268	0.943	0.773	9.91E-19	5
Jarid2	4.43E-23	0.328	0.664	0.414	1.10E-18	5
Rpl19	4.81E-23	0.336	0.952	0.761	1.19E-18	5
Slk	5.03E-23	0.323	0.745	0.51	1.25E-18	5
Mrpl52	5.10E-23	0.348	0.571	0.357	1.27E-18	5
Rhoq	6.03E-23	0.496	0.479	0.282	1.50E-18	5
Tmem173	6.74E-23	0.458	0.412	0.229	1.67E-18	5
St3gal1	7.00E-23	0.390	0.68	0.456	1.74E-18	5
Calm1	7.59E-23	0.289	0.983	0.915	1.89E-18	5

Ucp2	8.00E-23	0.385	0.959	0.78	1.99E-18	5
Tap1	1.02E-22	0.428	0.547	0.334	2.54E-18	5
Rpl34	1.12E-22	0.347	0.954	0.853	2.78E-18	5
Slc29a3	1.45E-22	0.482	0.458	0.271	3.61E-18	5
Galnt6	1.59E-22	0.312	0.427	0.234	3.94E-18	5
Pik3r1	1.69E-22	0.483	0.606	0.405	4.20E-18	5
Wipf1	1.93E-22	0.511	0.743	0.545	4.80E-18	5
Cox7b	2.12E-22	0.405	0.786	0.551	5.28E-18	5
Elov15	2.36E-22	0.388	0.634	0.412	5.87E-18	5
Rps3a1	2.38E-22	0.366	0.967	0.832	5.91E-18	5
Plac8	2.77E-22	0.445	0.529	0.291	6.88E-18	5
Rps13	3.17E-22	0.306	0.963	0.863	7.87E-18	5
Tep1	3.18E-22	0.355	0.333	0.167	7.91E-18	5
Rpl5	4.51E-22	0.383	0.943	0.8	1.12E-17	5
Arhgap26	4.99E-22	0.273	0.285	0.124	1.24E-17	5
Rps2	5.64E-22	0.352	0.941	0.789	1.40E-17	5
Ifngr2	8.08E-22	0.369	0.486	0.287	2.01E-17	5
Nsa2	1.30E-21	0.379	0.804	0.601	3.24E-17	5
Tnfaip8	1.64E-21	0.425	0.59	0.389	4.07E-17	5
Marcks	1.73E-21	0.508	0.767	0.539	4.29E-17	5
Rpl12	1.76E-21	0.348	0.93	0.75	4.37E-17	5
D8Ertd738e	1.78E-21	0.388	0.725	0.522	4.42E-17	5
Snrpg	1.82E-21	0.344	0.786	0.555	4.53E-17	5
Rpl7	1.84E-21	0.354	0.93	0.767	4.58E-17	5
Calr	1.88E-21	0.360	0.98	0.865	4.67E-17	5
Sulf2	2.36E-21	0.338	0.314	0.152	5.86E-17	5
Mt2	2.44E-21	0.562	0.715	0.511	6.05E-17	5
Arl4c	2.69E-21	0.387	0.856	0.67	6.67E-17	5
Actb	3.45E-21	0.257	1	0.99	8.57E-17	5
Ube2f	3.66E-21	0.392	0.534	0.336	9.08E-17	5
Clec4e	3.79E-21	-1.824	0.15	0.355	9.40E-17	5
Ccdc88a	5.36E-21	0.376	0.484	0.283	1.33E-16	5
Kdm6b	6.83E-21	0.287	0.946	0.8	1.70E-16	5
Rpl9	6.83E-21	0.345	0.943	0.842	1.70E-16	5
Irgm1	7.61E-21	0.727	0.449	0.268	1.89E-16	5
Csf2ra	7.97E-21	0.334	0.869	0.593	1.98E-16	5
Ist1	9.94E-21	0.310	0.837	0.617	2.47E-16	5
Cndp2	1.06E-20	-0.896	0.331	0.49	2.62E-16	5
Ssfa2	1.64E-20	0.378	0.595	0.389	4.07E-16	5
Rps3	1.65E-20	0.320	0.972	0.851	4.11E-16	5
Cldnd1	1.74E-20	0.461	0.599	0.402	4.32E-16	5
Eif1a	1.90E-20	0.383	0.719	0.494	4.72E-16	5
Pomp	1.95E-20	0.398	0.813	0.573	4.84E-16	5
Mbt1	2.14E-20	0.397	0.455	0.27	5.30E-16	5
Actr1b	2.27E-20	0.385	0.401	0.23	5.64E-16	5
Gm2000	2.29E-20	0.321	0.647	0.431	5.69E-16	5

Ly6e	2.32E-20	0.274	0.932	0.723	5.76E-16	5
Ero11b	2.41E-20	0.292	0.351	0.184	5.98E-16	5
Dhrs3	2.89E-20	-0.616	0.078	0.273	7.18E-16	5
Bcl2a1d	3.38E-20	0.452	0.571	0.378	8.38E-16	5
Gosr2	3.66E-20	0.387	0.46	0.278	9.10E-16	5
Adora2b	3.66E-20	0.297	0.336	0.165	9.10E-16	5
Foxp1	3.96E-20	0.419	0.625	0.41	9.84E-16	5
Ctsh	4.49E-20	0.349	0.723	0.467	1.12E-15	5
Rpl36a	4.61E-20	0.376	0.856	0.678	1.15E-15	5
Cited2	4.79E-20	-1.247	0.362	0.526	1.19E-15	5
Grina	5.25E-20	-1.166	0.316	0.503	1.31E-15	5
Gpx1	5.59E-20	0.291	0.913	0.674	1.39E-15	5
Jup	5.87E-20	0.315	0.32	0.159	1.46E-15	5
Rrad	5.91E-20	0.384	0.261	0.116	1.47E-15	5
Twf2	6.49E-20	0.342	0.401	0.225	1.61E-15	5
Kdm7a	7.36E-20	0.417	0.68	0.47	1.83E-15	5
Tm6sf1	8.16E-20	0.372	0.516	0.323	2.03E-15	5
Rpl9-ps6	8.28E-20	0.351	0.887	0.694	2.06E-15	5
Adgre1	8.47E-20	-0.996	0.126	0.311	2.10E-15	5
Atp5g1	8.49E-20	0.342	0.736	0.499	2.11E-15	5
Arl2bp	8.53E-20	0.292	0.447	0.257	2.12E-15	5
Eif3i	8.70E-20	0.336	0.634	0.427	2.16E-15	5
Lyn	1.11E-19	0.292	0.736	0.495	2.75E-15	5
Cox6b1	1.11E-19	0.341	0.902	0.673	2.75E-15	5
Rps17	1.13E-19	0.352	0.926	0.736	2.80E-15	5
Lamp1	1.13E-19	-1.060	0.673	0.661	2.81E-15	5
Ehd4	1.23E-19	0.422	0.662	0.432	3.07E-15	5
Cd81	1.49E-19	-0.751	0.072	0.255	3.70E-15	5
Btf3	2.16E-19	0.325	0.874	0.666	5.37E-15	5
Rpl24	2.20E-19	0.328	0.961	0.781	5.46E-15	5
Eif3f	2.41E-19	0.326	0.791	0.572	5.98E-15	5
Auh	2.46E-19	0.345	0.331	0.171	6.11E-15	5
Sipa113	2.50E-19	0.252	0.259	0.117	6.20E-15	5
Limd1	2.80E-19	0.361	0.547	0.357	6.97E-15	5
Rplp0	2.81E-19	0.289	0.961	0.824	6.97E-15	5
Atp5d	3.48E-19	0.326	0.719	0.507	8.64E-15	5
Mkrl1	3.79E-19	0.418	0.706	0.506	9.41E-15	5
Rpl30	4.43E-19	0.341	0.932	0.798	1.10E-14	5
Dab2	5.44E-19	0.360	0.667	0.408	1.35E-14	5
Bcl2l11	6.02E-19	0.328	0.808	0.602	1.50E-14	5
Plau	6.84E-19	-1.206	0.131	0.313	1.70E-14	5
Eef1d	9.40E-19	0.370	0.752	0.538	2.33E-14	5
Tcf4	9.89E-19	0.560	0.458	0.282	2.46E-14	5
Arhgdib	1.36E-18	0.335	0.865	0.662	3.37E-14	5
Stap1	1.41E-18	0.328	0.292	0.141	3.51E-14	5
Madd	1.62E-18	0.275	0.338	0.176	4.02E-14	5

Ctsz	1.71E-18	0.331	0.889	0.619	4.25E-14	5
Nup98	1.80E-18	0.251	0.702	0.484	4.48E-14	5
Pten	1.81E-18	0.384	0.782	0.587	4.50E-14	5
Snrpd3	2.13E-18	0.351	0.638	0.441	5.29E-14	5
Atmin	2.14E-18	0.359	0.314	0.165	5.33E-14	5
Chka	2.20E-18	-0.942	0.281	0.475	5.45E-14	5
Xbp1	2.28E-18	0.297	0.697	0.489	5.67E-14	5
Pdlim5	3.13E-18	0.296	0.551	0.361	7.77E-14	5
Rpl3	3.14E-18	0.337	0.904	0.722	7.80E-14	5
Mink1	3.37E-18	0.394	0.368	0.21	8.38E-14	5
Krtcap2	3.56E-18	0.328	0.688	0.466	8.83E-14	5
Ptges3	3.64E-18	0.329	0.782	0.563	9.04E-14	5
Lrmp	3.69E-18	0.298	0.392	0.228	9.16E-14	5
Hipk1	3.76E-18	0.378	0.619	0.436	9.33E-14	5
Edem1	4.35E-18	0.373	0.71	0.517	1.08E-13	5
Chmp4b	4.56E-18	0.312	0.906	0.725	1.13E-13	5
Dgkz	4.85E-18	-0.607	0.107	0.297	1.21E-13	5
Tbc1d9	5.03E-18	0.350	0.514	0.327	1.25E-13	5
Rps27rt	5.70E-18	0.271	0.837	0.646	1.42E-13	5
Slc7a1	6.58E-18	0.254	0.366	0.197	1.63E-13	5
Limd2	7.67E-18	0.269	0.399	0.225	1.91E-13	5
Baz1a	8.90E-18	0.275	0.752	0.544	2.21E-13	5
Junb	1.02E-17	-0.905	0.967	0.925	2.54E-13	5
Gm11808	1.13E-17	0.310	0.935	0.749	2.81E-13	5
H3f3b	1.41E-17	-0.476	0.978	0.965	3.50E-13	5
Hcls1	1.43E-17	0.253	0.769	0.542	3.55E-13	5
Lnx2	1.47E-17	0.293	0.259	0.123	3.65E-13	5
Atp5e	1.53E-17	0.322	0.845	0.639	3.81E-13	5
Rgl1	1.78E-17	-0.924	0.192	0.367	4.42E-13	5
Ccl6	1.83E-17	-2.062	0.438	0.549	4.54E-13	5
Ssr4	1.89E-17	0.388	0.623	0.432	4.71E-13	5
Ets1	1.95E-17	-1.181	0.085	0.256	4.84E-13	5
Gadd45a	1.96E-17	-1.507	0.111	0.285	4.88E-13	5
Tmem14c	1.98E-17	0.347	0.671	0.456	4.92E-13	5
Arhgef2	2.01E-17	0.318	0.501	0.326	4.99E-13	5
Mapkapk3	2.03E-17	0.340	0.534	0.352	5.05E-13	5
Clec2d	2.05E-17	0.346	0.434	0.26	5.09E-13	5
Ubl5	2.26E-17	0.290	0.767	0.562	5.61E-13	5
Eif3e	2.29E-17	0.289	0.786	0.556	5.68E-13	5
Pitpnc1	2.78E-17	-0.729	0.118	0.298	6.90E-13	5
Kdm5c	3.29E-17	0.387	0.575	0.395	8.16E-13	5
Mpc1	3.32E-17	0.261	0.499	0.322	8.24E-13	5
Nap111	3.34E-17	0.315	0.826	0.614	8.30E-13	5
Mpp1	3.81E-17	-0.669	0.157	0.335	9.48E-13	5
Nsf	3.84E-17	0.386	0.442	0.281	9.54E-13	5
Gpnmb	4.49E-17	-1.911	0.098	0.265	1.12E-12	5

Rpl22	4.60E-17	0.327	0.876	0.67	1.14E-12	5
Sec61g	4.63E-17	0.357	0.895	0.689	1.15E-12	5
Prdx2	4.68E-17	0.385	0.734	0.532	1.16E-12	5
Spp1	4.70E-17	-2.605	0.109	0.278	1.17E-12	5
Rps12-ps3	5.15E-17	0.324	0.802	0.602	1.28E-12	5
Pfkfb3	5.26E-17	-0.832	0.161	0.346	1.31E-12	5
Cd2ap	5.28E-17	0.431	0.386	0.229	1.31E-12	5
Gm6377	5.98E-17	0.291	0.37	0.205	1.48E-12	5
Arid5b	6.64E-17	-1.016	0.129	0.303	1.65E-12	5
Id2	6.97E-17	-0.849	0.649	0.751	1.73E-12	5
Fh1	7.09E-17	0.339	0.266	0.137	1.76E-12	5
Malat1	7.27E-17	-0.422	0.972	0.963	1.81E-12	5
Mdn1	7.73E-17	0.305	0.298	0.156	1.92E-12	5
Ppp1ca	7.73E-17	0.337	0.808	0.598	1.92E-12	5
Ifi207	8.05E-17	0.253	0.749	0.486	2.00E-12	5
Slc3a2	8.71E-17	0.318	0.952	0.803	2.16E-12	5
Fcho2	8.72E-17	0.279	0.477	0.3	2.17E-12	5
Tjp2	9.07E-17	0.401	0.325	0.181	2.25E-12	5
Rpl36	9.11E-17	0.297	0.813	0.582	2.26E-12	5
Ecm1	1.02E-16	-0.657	0.124	0.304	2.53E-12	5
Idi1	1.02E-16	0.307	0.405	0.23	2.54E-12	5
Slfn2	1.10E-16	0.407	0.882	0.719	2.74E-12	5
Serinc3	1.18E-16	-0.813	0.797	0.79	2.93E-12	5
Abca1	1.23E-16	-0.897	0.15	0.314	3.05E-12	5
Anxa11	1.37E-16	0.254	0.71	0.519	3.40E-12	5
Orai1	1.41E-16	0.327	0.556	0.376	3.50E-12	5
Acadm	1.43E-16	0.471	0.357	0.214	3.55E-12	5
Fli1	1.44E-16	0.263	0.434	0.262	3.57E-12	5
Cd93	1.47E-16	-0.723	0.096	0.262	3.66E-12	5
C3ar1	1.63E-16	-0.920	0.268	0.422	4.05E-12	5
Plp2	1.84E-16	0.318	0.571	0.376	4.57E-12	5
Heatr5a	2.00E-16	0.351	0.298	0.161	4.96E-12	5
Rps21	2.04E-16	0.294	0.939	0.782	5.07E-12	5
Srp72	2.11E-16	0.312	0.608	0.417	5.25E-12	5
Gde1	2.27E-16	-0.637	0.144	0.323	5.65E-12	5
Atp6ap2	2.71E-16	0.350	0.85	0.629	6.73E-12	5
Csk	3.11E-16	0.330	0.495	0.323	7.73E-12	5
Sdc4	4.10E-16	0.477	0.693	0.505	1.02E-11	5
Sp110	4.42E-16	0.375	0.545	0.37	1.10E-11	5
Selenop	5.14E-16	-2.430	0.292	0.421	1.28E-11	5
Set	5.15E-16	0.284	0.817	0.604	1.28E-11	5
Abl2	5.30E-16	0.451	0.542	0.361	1.32E-11	5
Rplp2	6.20E-16	0.251	0.954	0.855	1.54E-11	5
Pdia3	6.42E-16	0.324	0.856	0.647	1.59E-11	5
Il1rn	6.85E-16	-1.912	0.39	0.526	1.70E-11	5
Plekha1	6.97E-16	0.277	0.373	0.219	1.73E-11	5

Scpep1	7.68E-16	0.284	0.76	0.54	1.91E-11	5
Ets2	8.89E-16	-1.028	0.525	0.623	2.21E-11	5
Irf9	9.22E-16	0.271	0.523	0.345	2.29E-11	5
Rpl10-ps3	1.10E-15	0.333	0.782	0.596	2.74E-11	5
Klf2	1.15E-15	-1.028	0.146	0.31	2.86E-11	5
Eef1b2	1.16E-15	0.261	0.915	0.766	2.88E-11	5
Ppp2ca	1.29E-15	0.265	0.915	0.731	3.21E-11	5
Atpif1	1.40E-15	0.312	0.688	0.469	3.47E-11	5
Fcgr3	1.97E-15	-0.883	0.399	0.512	4.90E-11	5
Hfe	2.46E-15	0.371	0.27	0.143	6.10E-11	5
Tmed5	2.68E-15	0.289	0.771	0.581	6.67E-11	5
Slc7a8	2.71E-15	-0.678	0.157	0.331	6.74E-11	5
Ptprj	3.26E-15	0.289	0.599	0.415	8.11E-11	5
Slc35b2	3.51E-15	0.259	0.305	0.168	8.73E-11	5
Mrpl33	4.48E-15	0.260	0.649	0.46	1.11E-10	5
Rpl27	4.84E-15	0.283	0.93	0.744	1.20E-10	5
Nedd8	5.15E-15	0.307	0.715	0.521	1.28E-10	5
Ywhah	5.30E-15	0.357	0.824	0.617	1.32E-10	5
Klf6	5.54E-15	-0.659	0.882	0.849	1.38E-10	5
Slc35b1	6.22E-15	0.379	0.455	0.305	1.54E-10	5
Elp5	6.24E-15	0.349	0.344	0.209	1.55E-10	5
Myliip	7.15E-15	-0.755	0.148	0.313	1.78E-10	5
Nfkbia	7.66E-15	-1.201	0.795	0.824	1.90E-10	5
Jun	8.41E-15	-1.394	0.545	0.628	2.09E-10	5
Adam8	9.17E-15	-0.925	0.601	0.676	2.28E-10	5
Il6st	1.05E-14	0.278	0.41	0.253	2.61E-10	5
Cd47	1.10E-14	0.344	0.832	0.634	2.74E-10	5
Calm2	1.14E-14	-0.582	0.756	0.75	2.83E-10	5
Ubb	1.32E-14	-0.504	0.993	0.982	3.28E-10	5
Trps1	1.61E-14	0.310	0.444	0.282	4.00E-10	5
Hyou1	1.74E-14	0.289	0.458	0.297	4.33E-10	5
Glud1	2.14E-14	0.271	0.745	0.553	5.31E-10	5
Cyth1	2.51E-14	0.253	0.556	0.384	6.23E-10	5
Cep170	2.63E-14	0.324	0.346	0.209	6.53E-10	5
Dnajc3	2.88E-14	0.281	0.645	0.455	7.15E-10	5
Eef1a1	2.99E-14	0.264	0.989	0.95	7.43E-10	5
Supt4a	3.71E-14	0.278	0.556	0.388	9.21E-10	5
Fam110a	4.84E-14	0.264	0.553	0.372	1.20E-09	5
Gfpt1	4.95E-14	0.369	0.545	0.393	1.23E-09	5
Pvr	5.03E-14	0.287	0.556	0.383	1.25E-09	5
Eif2b2	5.39E-14	0.381	0.272	0.154	1.34E-09	5
Cct2	5.42E-14	0.269	0.728	0.528	1.35E-09	5
Apobec1	5.70E-14	-0.618	0.168	0.333	1.42E-09	5
H2-T23	5.83E-14	0.278	0.684	0.496	1.45E-09	5
Hnrnpa3	5.97E-14	0.299	0.858	0.685	1.48E-09	5
Pea15a	6.11E-14	0.312	0.455	0.296	1.52E-09	5

Hs6st1	6.28E-14	0.460	0.362	0.225	1.56E-09	5
Cltb	7.73E-14	0.282	0.364	0.224	1.92E-09	5
2900097C17Rik	8.98E-14	0.284	0.571	0.395	2.23E-09	5
Cd40	9.58E-14	0.328	0.266	0.143	2.38E-09	5
Mpp6	1.08E-13	0.284	0.401	0.253	2.68E-09	5
Gnai2	1.15E-13	0.337	0.926	0.79	2.86E-09	5
Hspe1	1.39E-13	0.269	0.804	0.622	3.46E-09	5
Glul	1.43E-13	-0.950	0.51	0.578	3.55E-09	5
Arhgdia	1.45E-13	0.286	0.911	0.709	3.60E-09	5
Ccl4	1.50E-13	-2.915	0.185	0.337	3.73E-09	5
Psmb2	1.54E-13	0.302	0.686	0.504	3.83E-09	5
Tor1aip2	1.63E-13	0.270	0.66	0.473	4.05E-09	5
Gm11361	1.87E-13	0.300	0.438	0.294	4.66E-09	5
Pdia6	1.99E-13	0.296	0.673	0.473	4.94E-09	5
Atp5l	2.10E-13	0.263	0.885	0.701	5.21E-09	5
Map7d1	2.99E-13	0.267	0.682	0.499	7.43E-09	5
Capg	3.07E-13	-0.709	0.449	0.548	7.63E-09	5
Gm9493	3.16E-13	0.253	0.431	0.286	7.85E-09	5
Eif3l	3.29E-13	0.251	0.549	0.386	8.17E-09	5
Fabp5	3.45E-13	-1.684	0.475	0.538	8.56E-09	5
Scd2	3.50E-13	0.349	0.357	0.22	8.69E-09	5
Cct5	4.03E-13	0.253	0.656	0.476	1.00E-08	5
Itgal	4.13E-13	-0.810	0.12	0.261	1.03E-08	5
Uqcrfs1	4.21E-13	0.258	0.59	0.424	1.05E-08	5
Ero1l	4.23E-13	-1.308	0.344	0.475	1.05E-08	5
Sgms2	4.36E-13	-0.976	0.131	0.276	1.08E-08	5
Sdf2l1	4.50E-13	0.258	0.497	0.326	1.12E-08	5
Swi5	4.55E-13	0.267	0.588	0.417	1.13E-08	5
Gnb2	4.73E-13	0.258	0.778	0.568	1.18E-08	5
Ndufb10	5.50E-13	0.257	0.492	0.34	1.37E-08	5
Lrrc59	5.60E-13	0.257	0.551	0.376	1.39E-08	5
Maco1	5.68E-13	0.295	0.383	0.247	1.41E-08	5
Mvp	5.74E-13	0.284	0.375	0.241	1.43E-08	5
Psma4	6.37E-13	0.293	0.673	0.49	1.58E-08	5
Hivep2	7.37E-13	0.271	0.331	0.196	1.83E-08	5
Glrx	7.70E-13	-0.872	0.403	0.529	1.91E-08	5
Jund	9.02E-13	-0.549	0.93	0.918	2.24E-08	5
B2m	9.30E-13	-0.318	0.996	0.976	2.31E-08	5
Cd37	1.02E-12	-0.561	0.172	0.327	2.55E-08	5
Ubc	1.06E-12	-0.682	0.987	0.953	2.63E-08	5
Smpd3a	1.20E-12	-0.559	0.17	0.316	2.99E-08	5
Dpy19l1	1.20E-12	0.269	0.288	0.165	2.99E-08	5
Rell1	1.22E-12	0.299	0.392	0.253	3.04E-08	5
Cbx4	1.26E-12	-0.551	0.181	0.338	3.14E-08	5
Tapbp	1.31E-12	0.258	0.743	0.548	3.26E-08	5
Lyz2	1.34E-12	-1.771	0.58	0.604	3.33E-08	5



Prkx	1.36E-12	0.262	0.477	0.328	3.37E-08	5
Atf6	1.53E-12	0.355	0.458	0.317	3.81E-08	5
Gla	1.63E-12	-0.901	0.597	0.638	4.06E-08	5
Rab7b	1.75E-12	-0.700	0.288	0.435	4.35E-08	5
Atp5h	1.92E-12	0.257	0.791	0.619	4.78E-08	5
Sqle	2.07E-12	0.306	0.277	0.159	5.14E-08	5
Kmt2b	2.34E-12	0.283	0.355	0.221	5.81E-08	5
Capns1	2.69E-12	0.259	0.688	0.496	6.69E-08	5
Tpm4	2.95E-12	0.261	0.706	0.538	7.32E-08	5
Ddost	3.32E-12	0.277	0.569	0.396	8.25E-08	5
Lrrc8c	3.77E-12	0.263	0.438	0.287	9.36E-08	5
Sat1	3.80E-12	-0.754	0.852	0.841	9.44E-08	5
Itgav	4.11E-12	-0.784	0.246	0.395	1.02E-07	5
Slc16a10	4.66E-12	-0.532	0.144	0.291	1.16E-07	5
AI504432	4.69E-12	0.340	0.333	0.201	1.17E-07	5
Por	6.41E-12	-0.783	0.438	0.537	1.59E-07	5
Atp6v1b2	6.51E-12	-0.724	0.617	0.627	1.62E-07	5
Rad23b	7.25E-12	0.282	0.643	0.483	1.80E-07	5
Slamf8	7.78E-12	0.333	0.257	0.146	1.93E-07	5
Pttg1ip	7.86E-12	0.299	0.566	0.404	1.95E-07	5
Itm2b	8.22E-12	-0.873	0.876	0.777	2.04E-07	5
Lst1	8.83E-12	-0.628	0.192	0.333	2.19E-07	5
Stxbp3	1.07E-11	0.274	0.394	0.259	2.67E-07	5
Msmo1	1.12E-11	0.275	0.392	0.255	2.78E-07	5
Fnip2	1.16E-11	-0.936	0.451	0.545	2.88E-07	5
Cstb	1.21E-11	-0.922	0.861	0.791	3.00E-07	5
Lmo4	1.22E-11	0.382	0.575	0.429	3.04E-07	5
Pycard	1.27E-11	0.257	0.401	0.265	3.16E-07	5
Ppib	1.49E-11	0.265	0.564	0.413	3.70E-07	5
Camk2d	1.49E-11	-0.443	0.133	0.273	3.71E-07	5
Havcr2	1.68E-11	0.281	0.477	0.322	4.18E-07	5
Noct	1.79E-11	-0.777	0.251	0.385	4.45E-07	5
Syvn1	1.96E-11	0.263	0.444	0.302	4.86E-07	5
Tent5c	2.17E-11	0.393	0.597	0.462	5.39E-07	5
Tmem258	2.21E-11	0.264	0.667	0.495	5.49E-07	5
Atp5k	2.41E-11	0.271	0.695	0.513	5.98E-07	5
Cblb	2.68E-11	-0.583	0.159	0.298	6.65E-07	5
Sod2	3.35E-11	-0.887	0.429	0.537	8.32E-07	5
Mgat2	3.43E-11	0.319	0.503	0.37	8.53E-07	5
Tomm7	3.69E-11	0.255	0.793	0.606	9.17E-07	5
Rsrp1	5.33E-11	-0.738	0.795	0.774	1.32E-06	5
Sp100	5.46E-11	0.268	0.612	0.448	1.36E-06	5
Mat2b	6.23E-11	-0.441	0.139	0.279	1.55E-06	5
Clec12a	6.92E-11	-0.488	0.148	0.278	1.72E-06	5
Anp32a	7.19E-11	-0.694	0.519	0.589	1.79E-06	5
Hpcal1	7.40E-11	0.256	0.603	0.447	1.84E-06	5

Trib1	9.45E-11	-1.026	0.542	0.609	2.35E-06	5
Cox8a	9.87E-11	0.259	0.9	0.752	2.45E-06	5
Prkar2a	9.99E-11	0.331	0.379	0.256	2.48E-06	5
Larp1	1.05E-10	0.265	0.571	0.419	2.60E-06	5
Nfil3	1.31E-10	0.250	0.743	0.579	3.24E-06	5
Ppp1r15a	1.41E-10	-1.000	0.551	0.617	3.49E-06	5
Senp3	1.56E-10	0.264	0.37	0.251	3.86E-06	5
Hmgb2	1.63E-10	-0.975	0.662	0.677	4.05E-06	5
Ppm1g	1.70E-10	0.270	0.532	0.385	4.22E-06	5
Ftl1-ps1	1.77E-10	-0.704	0.902	0.822	4.39E-06	5
Cyp4f18	1.79E-10	-1.544	0.144	0.268	4.44E-06	5
AW112010	1.87E-10	-1.005	0.235	0.364	4.64E-06	5
Hmgcs1	2.01E-10	0.397	0.357	0.237	4.99E-06	5
Slc35f6	2.05E-10	0.266	0.322	0.208	5.10E-06	5
Ptpn1	2.50E-10	0.269	0.673	0.529	6.20E-06	5
Coro2a	2.87E-10	0.275	0.329	0.21	7.13E-06	5
F10	3.42E-10	-0.774	0.137	0.261	8.49E-06	5
Zfp36l1	4.18E-10	-0.761	0.473	0.575	1.04E-05	5
Mtch1	4.37E-10	0.253	0.438	0.313	1.09E-05	5
Mis18a	4.80E-10	0.328	0.318	0.208	1.19E-05	5
Tpp1	4.96E-10	-0.651	0.32	0.41	1.23E-05	5
Arf3	6.01E-10	0.256	0.582	0.429	1.49E-05	5
Ppp1r9b	6.38E-10	0.280	0.464	0.331	1.58E-05	5
Zfp385a	7.20E-10	0.299	0.327	0.219	1.79E-05	5
Naa25	8.52E-10	0.273	0.253	0.154	2.12E-05	5
Atp6v1e1	8.78E-10	-0.657	0.569	0.606	2.18E-05	5
Arap1	8.86E-10	-0.438	0.176	0.313	2.20E-05	5
Bcl2l1	1.12E-09	-0.520	0.207	0.342	2.78E-05	5
Irf2bpl	1.22E-09	-0.484	0.205	0.343	3.03E-05	5
Bnip3	1.78E-09	-0.845	0.192	0.307	4.43E-05	5
Lgmn	2.27E-09	-1.314	0.512	0.506	5.64E-05	5
Dtx3l	2.35E-09	0.321	0.359	0.247	5.84E-05	5
BC005537	2.36E-09	-0.536	0.717	0.72	5.86E-05	5
Tgfbr2	3.33E-09	-0.500	0.159	0.282	8.27E-05	5
Cln3	3.70E-09	-0.638	0.248	0.382	9.18E-05	5
Vsir	4.00E-09	-0.553	0.261	0.375	9.94E-05	5
Tnfaip3	4.17E-09	-0.865	0.582	0.652	0.000103494	5
Fcgr4	5.76E-09	-0.603	0.17	0.284	0.00014309	5
Ccr12	6.24E-09	-1.209	0.379	0.48	0.000155078	5
Slfn5	1.26E-08	0.301	0.429	0.305	0.000312112	5
Dusp1	1.40E-08	-1.186	0.73	0.738	0.000348121	5
Igsf6	1.42E-08	-0.498	0.144	0.255	0.000351672	5
Arl6ip1	1.64E-08	-0.691	0.667	0.635	0.000406607	5
Smchd1	1.74E-08	0.278	0.442	0.328	0.000432036	5
Sdcbp	1.74E-08	-0.498	0.874	0.814	0.000432078	5
Eaf1	2.43E-08	-0.470	0.281	0.397	0.000603463	5

Notch1	2.79E-08	-0.431	0.144	0.259	0.000693597	5
Atp6v1c1	2.82E-08	-0.544	0.346	0.446	0.000700122	5
Stmn1	2.87E-08	-0.749	0.176	0.281	0.000712933	5
CD8a-pAbO (Ab)	3.31E-08	-1.473	0.697	0.708	0.000821612	5
Nr3c1	3.47E-08	-0.696	0.275	0.395	0.000861672	5
Cebpa	3.71E-08	-0.681	0.264	0.362	0.00092137	5
Pkm	3.89E-08	-0.453	0.922	0.84	0.000967048	5
Gsr	4.23E-08	-0.863	0.176	0.284	0.00105139	5
Znrf1	5.33E-08	-0.429	0.139	0.25	0.001322885	5
CD4-pAbO (Ab)	6.14E-08	-1.548	0.904	0.879	0.001525301	5
Ptgs2	6.30E-08	-1.667	0.194	0.297	0.001564203	5
Gadd45g	6.52E-08	-0.717	0.157	0.265	0.001619779	5
Tmem65	6.57E-08	-0.398	0.183	0.294	0.001632955	5
Slamf9	6.63E-08	0.263	0.259	0.165	0.001647922	5
Ftl1	7.08E-08	-0.682	0.991	0.961	0.00175808	5
Mthfd2	7.27E-08	0.256	0.366	0.256	0.001805702	5
Socs3	7.57E-08	-0.644	0.351	0.454	0.001879283	5
Abhd17b	8.42E-08	0.279	0.375	0.276	0.002090348	5
Fbxo34	8.94E-08	0.333	0.362	0.258	0.002219525	5
Bnip3l	1.20E-07	-0.576	0.353	0.449	0.002979666	5
Adipor1	1.22E-07	-0.634	0.388	0.466	0.003027777	5
Slc43a2	1.28E-07	-0.426	0.157	0.255	0.003182952	5
Smap2	1.32E-07	0.273	0.51	0.404	0.003267023	5
Xdh	1.40E-07	-0.429	0.166	0.269	0.003475742	5
Npepps	1.60E-07	-0.617	0.377	0.482	0.003967724	5
Ugp2	1.80E-07	-0.380	0.187	0.294	0.004474674	5
Osm	1.94E-07	-1.065	0.316	0.406	0.004816781	5
Lmna	1.94E-07	-0.688	0.614	0.614	0.004829227	5
Atp6v1a	2.80E-07	-0.749	0.582	0.578	0.006952909	5
Sertad1	2.97E-07	-0.434	0.227	0.336	0.007379365	5
Cdt1	3.32E-07	-0.489	0.216	0.32	0.008247864	5
Polr2g	3.33E-07	-0.272	0.194	0.311	0.008259165	5
Lcp2	3.38E-07	-0.500	0.192	0.295	0.008404232	5
Ptger4	3.42E-07	0.344	0.296	0.206	0.008497919	5
Lgals9	3.43E-07	-0.450	0.279	0.378	0.008522114	5
Entpd1	3.48E-07	-0.665	0.248	0.345	0.008643293	5
Nfkbiz	3.92E-07	-1.101	0.364	0.448	0.009725656	5
Ifi47	4.14E-07	0.349	0.333	0.236	0.010286898	5
Rgcc	4.26E-07	-0.765	0.298	0.387	0.01057058	5
Fcgr1	5.13E-07	-0.538	0.248	0.344	0.012751189	5
Psen2	5.38E-07	-0.397	0.235	0.342	0.013360607	5
Pcna	5.76E-07	-0.498	0.658	0.667	0.014302801	5
Tceal9	5.78E-07	-0.545	0.336	0.42	0.014366315	5
Phf11b	5.87E-07	0.300	0.312	0.218	0.014568399	5
Slc20a1	8.09E-07	-0.514	0.166	0.271	0.020085367	5
Cd68	8.17E-07	-0.975	0.789	0.629	0.02028317	5

Wsb1	9.21E-07	-0.536	0.571	0.624	0.022875005	5
Lipa	9.47E-07	-0.661	0.27	0.348	0.023517344	5
Samd8	9.90E-07	-0.409	0.181	0.28	0.024581724	5
Ptpn22	9.93E-07	-0.694	0.176	0.268	0.024660684	5
Sh3kbp1	1.73E-06	-0.560	0.37	0.443	0.042936754	5
Ostf1	1.75E-06	-0.499	0.693	0.658	0.043422936	5
Tle4	1.85E-06	-0.481	0.248	0.35	0.045888364	5
Lrp1	2.64E-06	-0.410	0.266	0.352	0.06549303	5
Glipr1	2.72E-06	-0.340	0.264	0.361	0.067554927	5
Rap2b	2.94E-06	-0.419	0.309	0.405	0.073009785	5
Lasp1	3.08E-06	-0.644	0.627	0.641	0.0764933	5
Slc16a1	3.30E-06	-0.294	0.166	0.264	0.081917762	5
Sgk1	3.39E-06	-0.603	0.257	0.346	0.084119547	5
Ugcg	3.52E-06	-0.561	0.434	0.5	0.08752204	5
Azin1	3.64E-06	-0.571	0.562	0.605	0.090302076	5
Slc2a1	4.22E-06	-0.703	0.418	0.484	0.10490685	5
Mndal	4.88E-06	0.263	0.532	0.435	0.121110975	5
Atf3	5.53E-06	-0.645	0.423	0.483	0.137387848	5
Cpeb2	5.95E-06	-0.462	0.19	0.282	0.147858373	5
Ccr1	6.01E-06	-1.123	0.477	0.51	0.149313313	5
Soat1	6.12E-06	-0.537	0.423	0.471	0.151908094	5
H2-K1	9.57E-06	-0.378	0.993	0.945	0.237700813	5
Hif1a	9.59E-06	-0.541	0.383	0.459	0.238267525	5
Fam111a	1.02E-05	-0.461	0.183	0.273	0.253087832	5
Hexim1	1.07E-05	-0.682	0.715	0.714	0.26472871	5
Osbpl8	1.07E-05	-0.572	0.484	0.523	0.266360342	5
Ctnnb1	1.09E-05	-0.493	0.601	0.621	0.271464568	5
Pon2	1.21E-05	-0.310	0.196	0.287	0.300647474	5
Tfrc	2.01E-05	-0.494	0.192	0.272	0.498628161	5
Ap3s1	2.18E-05	-0.386	0.338	0.414	0.5408631	5
Gns	2.31E-05	-0.532	0.375	0.421	0.572831193	5
Mxi1	2.32E-05	-0.500	0.388	0.462	0.575959431	5
Aldoa	2.49E-05	-0.430	0.867	0.814	0.619575396	5
Txnip	2.56E-05	-0.604	0.272	0.354	0.63603059	5
Nfic	3.00E-05	-0.511	0.244	0.321	0.746188271	5
Tmem106a	3.48E-05	-0.337	0.244	0.314	0.864191247	5
Klf10	3.53E-05	-0.350	0.194	0.283	0.877258012	5
Smad7	3.75E-05	-0.571	0.316	0.394	0.931125343	5
Rbms1	4.02E-05	-0.466	0.715	0.668	0.997333131	5
Ldha	4.03E-05	-0.534	0.776	0.716	1	5
Lpin2	4.61E-05	-0.415	0.19	0.275	1	5
Btg2	4.86E-05	-0.312	0.641	0.49	1	5
Irf2bp2	5.09E-05	-0.433	0.475	0.528	1	5
Sema4d	5.47E-05	-0.710	0.373	0.438	1	5
Tubb2a	5.56E-05	-0.329	0.24	0.333	1	5
Gng2	6.02E-05	-0.341	0.301	0.375	1	5

Entpd7	6.76E-05	-0.369	0.211	0.293	1	5
Aif1	7.39E-05	-0.591	0.37	0.411	1	5
Zfp292	8.42E-05	-0.541	0.205	0.283	1	5
Prdx5	8.96E-05	-0.569	0.606	0.591	1	5
Abhd12	9.21E-05	-0.270	0.222	0.297	1	5
Slc31a1	9.35E-05	-0.357	0.222	0.303	1	5
Atp6v1h	9.49E-05	-0.505	0.429	0.474	1	5
mt-Cytb	0.00010825	-0.412	0.998	0.965	1	5
Ptp4a1	0.00011986	-0.476	0.791	0.766	1	5
Mindy1	0.00013649	-0.417	0.198	0.275	1	5
Apbb1ip	0.00014095	-0.418	0.436	0.494	1	5
Ski	0.0001561	-0.450	0.338	0.412	1	5
Gadd45b	0.00016584	-0.802	0.547	0.574	1	5
Snx6	0.00016858	-0.379	0.296	0.358	1	5
Tubb4b	0.00017158	-0.432	0.458	0.504	1	5
Plekha2	0.00017853	-0.457	0.261	0.338	1	5
Rnf11	0.0002089	-0.454	0.255	0.334	1	5
Msrb1	0.00026585	-0.743	0.418	0.457	1	5
Grn	0.00027193	-0.928	0.776	0.625	1	5
Tpi1	0.00030581	-0.536	0.571	0.572	1	5
Tubb5	0.00031248	-0.526	0.529	0.542	1	5
Nasp	0.00031954	-0.450	0.362	0.413	1	5
Pgk1	0.00033937	-0.442	0.793	0.718	1	5
Rgs1	0.00035924	-0.798	0.558	0.594	1	5
Rab1a	0.00036619	-0.315	0.834	0.743	1	5
Slbp	0.00037598	-0.433	0.403	0.454	1	5
Zfp36	0.00041254	-0.710	0.915	0.833	1	5
Hbp1	0.00041913	-0.424	0.307	0.378	1	5
Tuba1c	0.00044109	-0.498	0.782	0.723	1	5
Ankrd12	0.0004429	-0.541	0.355	0.42	1	5
Fos	0.00047843	-0.990	0.641	0.616	1	5
Sde2	0.00050496	-0.523	0.42	0.474	1	5
Zeb2	0.00053579	-0.543	0.658	0.634	1	5
Rybp	0.00054814	-0.552	0.538	0.57	1	5
Cln8	0.00056578	-0.312	0.275	0.342	1	5
Zfp3612	0.00063666	-0.392	0.747	0.773	1	5
Mdm2	0.00070587	-0.628	0.651	0.636	1	5
Chmp5	0.0007488	-0.268	0.292	0.359	1	5
Zfand5	0.0007861	-0.497	0.73	0.68	1	5
Gm42418	0.00079753	-0.347	0.985	0.904	1	5
Mcl1	0.00086537	-0.304	0.95	0.89	1	5
Gng12	0.00086731	-0.273	0.246	0.317	1	5
Mapk3	0.00087045	-0.318	0.292	0.355	1	5
Gapdh	0.00089547	-0.336	0.972	0.928	1	5
Chchd2	0.00090195	-0.272	0.924	0.839	1	5
Fem1b	0.00091385	-0.316	0.203	0.268	1	5

Creg1	0.00100804	-0.600	0.366	0.393	1	5
Nt5c3	0.00105778	-0.287	0.19	0.261	1	5
Zcchc2	0.00123799	-0.367	0.229	0.294	1	5
Tgm2	0.00124005	-0.931	0.455	0.461	1	5
Nus1	0.00131653	-0.293	0.383	0.435	1	5
Eif5	0.00132076	-0.336	0.911	0.857	1	5
Sypl	0.00132911	-0.303	0.312	0.365	1	5
Tmpo	0.00133245	-0.428	0.253	0.302	1	5
Tgif1	0.00146204	-0.430	0.8	0.76	1	5
Npc2	0.00148551	-0.315	0.893	0.748	1	5
Socs1	0.00157684	-0.282	0.196	0.262	1	5
Nfatc3	0.00183335	-0.319	0.2	0.265	1	5
Metrl	0.00187949	-0.368	0.401	0.447	1	5
Ppp1cc	0.00189064	-0.498	0.447	0.47	1	5
Usp1	0.00195095	-0.280	0.192	0.251	1	5
Nisch	0.0019539	-0.441	0.353	0.41	1	5
Atp2b1	0.0021844	-0.334	0.739	0.712	1	5
Fus	0.00233218	-0.351	0.904	0.838	1	5
Tmem50a	0.00243682	-0.353	0.569	0.555	1	5
Hsp90aa1	0.002565	-0.508	0.961	0.929	1	5
Ssbp3	0.00258535	-0.274	0.2	0.261	1	5
Rsb1	0.00266409	-0.389	0.24	0.301	1	5
P4ha1	0.00269	-0.398	0.303	0.357	1	5
Irs2	0.00271744	-0.544	0.397	0.431	1	5
Mrc1	0.00280864	-0.298	0.431	0.325	1	5
Cotl1	0.00282065	-0.338	0.73	0.689	1	5
Map1lc3b	0.00314075	-0.338	0.782	0.733	1	5
Klhl9	0.00322295	-0.273	0.268	0.325	1	5
Casp3	0.00345034	-0.529	0.351	0.385	1	5
Irf1	0.00350077	0.295	0.451	0.375	1	5
Ptpn18	0.00361359	-0.318	0.331	0.377	1	5
Mafk	0.00363753	-0.502	0.405	0.448	1	5
Nabp1	0.0036982	-0.607	0.298	0.347	1	5
Tpd52	0.0040378	-0.494	0.719	0.634	1	5
Gtf2h1	0.00415143	-0.384	0.436	0.466	1	5
Mknk2	0.00425053	-0.409	0.754	0.719	1	5
Cpeb4	0.00437799	-0.416	0.355	0.407	1	5
Chd4	0.00476744	-0.508	0.682	0.659	1	5
Vegfa	0.0051813	-0.844	0.397	0.412	1	5
Neu1	0.0052801	-0.323	0.253	0.306	1	5
Npc1	0.00533889	-0.357	0.364	0.401	1	5
Topors	0.00563276	-0.355	0.412	0.454	1	5
Cd44	0.00585614	-0.471	0.865	0.803	1	5
Ints6	0.00620407	-0.323	0.209	0.266	1	5
Plk2	0.00635341	-0.612	0.229	0.274	1	5
Cmtm7	0.00703528	-0.300	0.37	0.418	1	5

Sirt1	0.00710196	-0.384	0.261	0.313	1	5
1700020I14Rik	0.00711698	-0.251	0.203	0.26	1	5
Itpkb	0.00832989	-0.378	0.357	0.407	1	5
Tax1bp1	0.00887227	-0.321	0.782	0.73	1	5
Card19	0.00892494	-0.605	0.551	0.526	1	5
Rapgef6	0.00904794	-0.279	0.233	0.286	1	5
Wsb2	0.0092274	-0.260	0.261	0.316	1	5
Slc38a2	0.00958984	-0.360	0.847	0.78	1	5
H2-Q6	0.00959395	-0.767	0.412	0.425	1	5
Ctla4	0	3.833	0.953	0.097	0	6
Icos	0	3.683	0.963	0.126	0	6
Tnfrsf9	0	3.143	0.931	0.162	0	6
Foxp3	0	2.865	0.826	0.045	0	6
Ikzf2	0	2.822	0.841	0.107	0	6
Cd2	0	2.761	0.909	0.1	0	6
Trac	0	2.733	0.953	0.143	0	6
Tnfrsf4	0	2.435	0.806	0.093	0	6
Tnfrsf18	0	2.350	0.811	0.11	0	6
Il2rb	0	2.317	0.956	0.145	0	6
Rnf125	0	2.310	0.843	0.127	0	6
Cd3e	0	2.240	0.885	0.101	0	6
Cd3g	0	2.121	0.799	0.09	0	6
Tigit	0	2.111	0.676	0.064	0	6
Izumo1r	0	2.034	0.603	0.028	0	6
Cd4	0	2.000	0.674	0.066	0	6
Cd5	0	1.967	0.667	0.062	0	6
Cd3d	0	1.935	0.711	0.086	0	6
Ets1	2.37E-295	2.325	0.929	0.198	5.89E-291	6
Il2ra	4.74E-291	2.681	0.689	0.092	1.18E-286	6
Cd28	5.09E-281	1.979	0.713	0.1	1.26E-276	6
Rora	2.13E-273	2.637	0.87	0.193	5.29E-269	6
Ptpcrap	1.44E-270	1.894	0.654	0.088	3.58E-266	6
Ikzf4	2.27E-253	1.672	0.478	0.043	5.63E-249	6
Itk	3.00E-245	1.661	0.645	0.09	7.46E-241	6
Lck	7.49E-240	1.624	0.654	0.093	1.86E-235	6
Sv2c	4.99E-237	1.568	0.392	0.028	1.24E-232	6
Trbc2	1.24E-236	1.865	0.728	0.119	3.09E-232	6
Gimap4	3.08E-224	1.699	0.544	0.069	7.65E-220	6
Neb	2.24E-222	1.564	0.449	0.043	5.55E-218	6
Thy1	1.44E-221	1.645	0.667	0.102	3.58E-217	6
Cd27	1.35E-218	1.560	0.449	0.045	3.36E-214	6
Klrg1	5.52E-217	1.675	0.336	0.021	1.37E-212	6
Lat	1.37E-216	1.566	0.623	0.097	3.41E-212	6
Ccr8	7.61E-209	1.175	0.365	0.028	1.89E-204	6
Lrrc32	1.50E-208	1.583	0.412	0.039	3.73E-204	6
Cd6	3.92E-207	1.186	0.414	0.039	9.73E-203	6

1-Sep	5.98E-188	1.502	0.645	0.122	1.49E-183	6
Itgae	8.86E-188	1.570	0.436	0.05	2.20E-183	6
Ltb	1.74E-184	1.377	0.473	0.063	4.33E-180	6
Itgb8	2.04E-183	1.154	0.27	0.015	5.07E-179	6
Bcl11b	1.55E-181	1.471	0.456	0.059	3.84E-177	6
Trp53inp1	8.58E-181	1.856	0.647	0.139	2.13E-176	6
Vgll4	1.14E-180	1.958	0.75	0.211	2.83E-176	6
Pglyrp1	2.09E-179	1.557	0.647	0.127	5.18E-175	6
Gimap3	4.51E-179	1.454	0.436	0.053	1.12E-174	6
Sh2d2a	7.47E-179	1.414	0.554	0.09	1.86E-174	6
Gimap6	9.66E-175	1.450	0.5	0.075	2.40E-170	6
D16Ert472e	6.36E-170	1.919	0.816	0.271	1.58E-165	6
Crem	1.17E-164	2.101	0.971	0.599	2.91E-160	6
Ablim1	1.00E-163	1.692	0.542	0.099	2.49E-159	6
Hopx	8.37E-162	2.294	0.667	0.181	2.08E-157	6
AW112010	7.03E-160	2.108	0.85	0.322	1.75E-155	6
CD4-pAbO (Ab)	1.90E-158	2.395	0.988	0.873	4.72E-154	6
Ctla2a	8.19E-158	1.742	0.5	0.083	2.03E-153	6
Gzmb	7.19E-157	2.198	0.424	0.058	1.78E-152	6
Fcer1g	2.05E-152	-3.822	0.076	0.793	5.09E-148	6
Ftl1	8.21E-150	-2.733	0.912	0.967	2.04E-145	6
Itgav	1.44E-149	2.071	0.819	0.355	3.58E-145	6
S1pr4	2.97E-147	1.314	0.404	0.057	7.38E-143	6
Tyrobp	6.05E-147	-3.356	0.032	0.766	1.50E-142	6
Fam107b	7.71E-147	1.819	0.914	0.494	1.92E-142	6
Gimap1	3.33E-146	1.135	0.375	0.048	8.26E-142	6
Lgals3	1.68E-145	-3.876	0.311	0.846	4.17E-141	6
Gimap8	1.01E-144	1.008	0.333	0.037	2.51E-140	6
Odc1	6.51E-144	2.213	0.953	0.666	1.62E-139	6
Pdcd1	4.51E-143	1.313	0.4	0.056	1.12E-138	6
Ppp1r16b	1.31E-142	1.180	0.483	0.086	3.25E-138	6
Nt5e	2.10E-141	1.487	0.395	0.057	5.22E-137	6
P2ry10	5.39E-141	1.769	0.755	0.246	1.34E-136	6
Spn	6.14E-141	1.393	0.529	0.111	1.53E-136	6
Gata3	2.12E-140	1.603	0.436	0.07	5.26E-136	6
Cxcr3	3.11E-140	1.245	0.331	0.039	7.71E-136	6
Trat1	1.33E-137	1.199	0.279	0.026	3.32E-133	6
Ly6a	2.23E-136	1.783	0.826	0.302	5.54E-132	6
Basp1	1.73E-135	-3.647	0.105	0.769	4.29E-131	6
Glrx	3.60E-135	1.957	0.882	0.495	8.95E-131	6
Cpm	1.67E-133	1.042	0.294	0.031	4.15E-129	6
Il2rg	2.26E-133	1.727	0.887	0.491	5.60E-129	6
Nr3c1	1.69E-132	1.908	0.799	0.358	4.21E-128	6
Cd247	2.63E-131	1.046	0.358	0.05	6.53E-127	6
Camk4	7.57E-131	1.150	0.348	0.047	1.88E-126	6
Elf1	8.85E-130	1.797	0.909	0.561	2.20E-125	6



H2-Q6	7.12E-129	1.476	0.902	0.392	1.77E-124	6
Plaur	3.15E-125	-3.253	0.047	0.716	7.82E-121	6
Ftl1-ps1	4.85E-124	-2.379	0.431	0.854	1.20E-119	6
Efh2	5.44E-123	-2.250	0.213	0.786	1.35E-118	6
Ptpn22	5.79E-123	1.555	0.686	0.233	1.44E-118	6
Gimap5	6.55E-122	0.859	0.277	0.03	1.63E-117	6
H2-K1	5.07E-121	1.073	1	0.945	1.26E-116	6
Pde4d	1.73E-120	1.233	0.493	0.107	4.29E-116	6
Rac2	2.93E-120	1.534	0.904	0.564	7.29E-116	6
Mbnl1	8.65E-120	1.415	0.926	0.563	2.15E-115	6
Dgat1	6.62E-119	1.402	0.782	0.308	1.64E-114	6
H2-Q7	1.03E-117	1.558	0.85	0.4	2.55E-113	6
Crbn	1.21E-117	1.537	0.522	0.135	3.00E-113	6
Rhof	1.29E-116	1.341	0.588	0.161	3.21E-112	6
Sdf4	1.59E-116	1.656	0.792	0.403	3.94E-112	6
Dgka	5.11E-116	1.449	0.544	0.143	1.27E-111	6
Lilr4b	1.41E-115	-2.584	0.147	0.765	3.50E-111	6
Syt12	6.21E-114	0.891	0.255	0.027	1.54E-109	6
Shisa5	1.77E-113	1.540	0.86	0.526	4.39E-109	6
Skap1	8.12E-113	1.043	0.39	0.068	2.02E-108	6
Inpp4b	1.32E-112	1.258	0.385	0.069	3.29E-108	6
Maf	1.98E-112	2.000	0.821	0.387	4.92E-108	6
Ifngr1	4.72E-112	1.697	0.809	0.41	1.17E-107	6
Tmem123	1.12E-111	1.170	0.895	0.522	2.78E-107	6
Ccnd2	1.34E-110	1.785	0.755	0.318	3.33E-106	6
Cd14	5.81E-109	-3.474	0.083	0.685	1.44E-104	6
Csf2rb	5.14E-107	-2.898	0.037	0.657	1.28E-102	6
Foxo1	9.12E-107	1.561	0.65	0.237	2.27E-102	6
Cd68	1.32E-106	-2.809	0.088	0.677	3.29E-102	6
App	1.43E-106	-2.586	0.039	0.647	3.55E-102	6
Sh3rf1	2.32E-106	0.983	0.299	0.043	5.77E-102	6
Ly6e	5.62E-104	1.238	0.993	0.721	1.40E-99	6
Alox5ap	1.06E-103	-2.574	0.039	0.642	2.64E-99	6
Prkar1a	5.68E-101	1.265	0.914	0.671	1.41E-96	6
Csf2ra	7.33E-101	-2.075	0.051	0.65	1.82E-96	6
Ikzf3	1.04E-100	0.915	0.324	0.052	2.57E-96	6
Rgs16	1.60E-100	1.165	0.414	0.082	3.98E-96	6
Zeb1	2.76E-100	1.183	0.436	0.099	6.86E-96	6
Plek	3.28E-100	-2.161	0.167	0.74	8.14E-96	6
Acap1	4.93E-99	1.134	0.463	0.113	1.22E-94	6
Gm19585	1.44E-98	1.216	0.309	0.048	3.59E-94	6
Emilin2	2.86E-98	-2.304	0.032	0.621	7.10E-94	6
Runx2	2.29E-97	1.437	0.542	0.167	5.69E-93	6
Lamc1	5.67E-97	1.329	0.431	0.107	1.41E-92	6
Igtp	3.54E-96	1.916	0.522	0.161	8.78E-92	6
Psap	3.77E-96	-3.169	0.718	0.858	9.36E-92	6

Kdm2b	5.97E-96	1.297	0.615	0.217	1.48E-91	6
Ier3	7.01E-96	-3.257	0.071	0.639	1.74E-91	6
Cstb	1.03E-95	-2.218	0.431	0.821	2.57E-91	6
Tpt1	2.22E-95	0.693	0.998	0.973	5.50E-91	6
Sdcbp2	4.20E-95	0.975	0.341	0.064	1.04E-90	6
H2-Ab1	2.37E-94	-4.432	0.196	0.699	5.88E-90	6
Trbc1	3.19E-94	1.211	0.328	0.056	7.92E-90	6
Ifitm2	1.17E-93	-2.230	0.11	0.664	2.90E-89	6
Cst3	1.19E-93	-3.064	0.544	0.81	2.96E-89	6
Stat3	1.56E-93	1.443	0.926	0.732	3.86E-89	6
Gimap9	2.76E-93	0.923	0.306	0.05	6.85E-89	6
Dusp4	7.33E-93	1.043	0.37	0.077	1.82E-88	6
Spi1	8.12E-93	-1.917	0.029	0.603	2.02E-88	6
Ndfip1	1.59E-92	1.415	0.642	0.281	3.95E-88	6
Ppp1cc	1.85E-92	1.393	0.787	0.447	4.60E-88	6
Atp2b4	2.39E-92	1.309	0.556	0.183	5.95E-88	6
Rps15a	6.72E-92	1.038	0.963	0.75	1.67E-87	6
Zeb2	4.92E-91	-2.195	0.125	0.67	1.22E-86	6
Msi2	5.05E-91	1.279	0.51	0.156	1.26E-86	6
Got1	2.71E-90	1.621	0.887	0.632	6.73E-86	6
Pmepal	5.73E-90	1.440	0.583	0.204	1.42E-85	6
Mcl1	7.50E-90	-1.474	0.765	0.903	1.86E-85	6
Stat1	1.79E-89	1.702	0.718	0.36	4.43E-85	6
Zbtb38	1.85E-89	1.316	0.463	0.132	4.60E-85	6
Lamp1	5.76E-89	-2.156	0.201	0.693	1.43E-84	6
Gnas	7.96E-89	1.102	0.966	0.812	1.98E-84	6
Tent5a	9.09E-89	2.336	0.703	0.379	2.26E-84	6
Tpd52	2.74E-88	-1.945	0.147	0.673	6.81E-84	6
Ccdc88c	1.58E-87	1.025	0.419	0.102	3.91E-83	6
Tubalc	1.46E-86	-1.792	0.26	0.758	3.64E-82	6
Ttc39c	4.76E-86	1.111	0.385	0.091	1.18E-81	6
Iigp1	4.83E-86	2.228	0.37	0.084	1.20E-81	6
Serinc3	1.26E-85	1.132	0.961	0.779	3.14E-81	6
Rps13	4.04E-85	0.836	0.993	0.862	1.00E-80	6
Il21r	5.73E-85	1.218	0.61	0.223	1.42E-80	6
Fos	6.89E-85	-2.784	0.12	0.651	1.71E-80	6
H2-Aa	1.42E-84	-4.201	0.216	0.675	3.54E-80	6
Ptafr	1.46E-84	-2.040	0.029	0.574	3.63E-80	6
Ccl6	1.84E-84	-3.700	0.042	0.574	4.58E-80	6
Syk	4.52E-84	-1.746	0.017	0.558	1.12E-79	6
Aebp2	1.45E-83	1.226	0.755	0.4	3.61E-79	6
Arl5a	1.54E-83	1.537	0.699	0.367	3.84E-79	6
Hif1a	1.79E-83	1.272	0.772	0.433	4.46E-79	6
Vps54	2.58E-83	1.197	0.527	0.179	6.40E-79	6
Rgs2	1.83E-82	1.649	0.914	0.703	4.55E-78	6
H2-Eb1	4.50E-82	-4.007	0.125	0.62	1.12E-77	6

Tgfb1	5.57E-82	-2.784	0.022	0.547	1.38E-77	6
Itgal	7.28E-82	1.078	0.613	0.227	1.81E-77	6
Zbtb1	9.69E-82	1.286	0.652	0.294	2.41E-77	6
Ifitm3	1.38E-80	-2.641	0.076	0.59	3.43E-76	6
Marcks	1.48E-80	-2.334	0.069	0.588	3.67E-76	6
Zc3hav1	3.16E-80	1.195	0.826	0.537	7.85E-76	6
Grn	5.77E-80	-2.391	0.196	0.665	1.43E-75	6
Prkch	6.62E-80	1.110	0.542	0.198	1.64E-75	6
Rps27	9.13E-80	0.782	0.998	0.897	2.27E-75	6
Fcgr2b	9.29E-80	-2.523	0.039	0.549	2.31E-75	6
Nrip1	1.24E-79	1.479	0.569	0.223	3.07E-75	6
Cdkn1a	4.60E-79	-1.732	0.363	0.791	1.14E-74	6
Itgb7	4.76E-79	1.224	0.672	0.302	1.18E-74	6
Ifi207	4.64E-78	-1.985	0.025	0.536	1.15E-73	6
Wfdc17	9.44E-78	-2.553	0.032	0.541	2.34E-73	6
Fcgr3	1.92E-77	-2.111	0.032	0.536	4.78E-73	6
Sla	2.74E-77	1.237	0.721	0.369	6.82E-73	6
Ptp4a2	3.38E-77	0.988	0.966	0.782	8.40E-73	6
Zap70	6.50E-77	0.829	0.275	0.049	1.61E-72	6
Cst7	6.98E-77	0.985	0.355	0.083	1.73E-72	6
Adam8	9.65E-77	-2.206	0.252	0.699	2.40E-72	6
Adipor2	1.29E-76	1.316	0.738	0.427	3.19E-72	6
Lyz2	1.96E-76	-4.219	0.181	0.631	4.88E-72	6
Il1rn	5.40E-76	-3.491	0.047	0.548	1.34E-71	6
Fnip2	1.02E-75	-2.003	0.069	0.57	2.53E-71	6
Il27ra	1.25E-75	0.737	0.267	0.048	3.11E-71	6
Spata13	2.45E-75	1.188	0.542	0.196	6.10E-71	6
Ube2b	2.87E-75	1.121	0.848	0.611	7.12E-71	6
Il18r1	3.04E-75	0.833	0.289	0.053	7.54E-71	6
Thbs1	9.34E-75	-4.325	0.103	0.577	2.32E-70	6
Rpl17	1.86E-74	0.732	0.993	0.892	4.63E-70	6
Plin2	5.47E-74	-2.051	0.199	0.654	1.36E-69	6
Litaf	7.49E-74	-1.356	0.463	0.845	1.86E-69	6
Lgmn	2.12E-73	-2.508	0.051	0.537	5.26E-69	6
Grap2	4.82E-73	1.033	0.444	0.135	1.20E-68	6
Hmox1	1.00E-72	-2.979	0.1	0.579	2.49E-68	6
Itgam	1.21E-72	-2.079	0.027	0.518	3.01E-68	6
Ncf2	7.32E-72	-1.622	0.01	0.496	1.82E-67	6
Tgm2	1.20E-71	-2.281	0.007	0.491	2.99E-67	6
H2-D1	7.24E-71	0.663	1	0.964	1.80E-66	6
Grap	7.92E-71	0.845	0.289	0.06	1.97E-66	6
Ly86	2.11E-70	-1.850	0.022	0.502	5.25E-66	6
Il7r	2.62E-70	1.565	0.681	0.337	6.51E-66	6
Satb1	2.93E-70	1.248	0.431	0.127	7.29E-66	6
Cnbp	3.42E-70	0.931	0.939	0.775	8.50E-66	6
Ctsz	5.72E-70	-1.600	0.248	0.664	1.42E-65	6

Fam129b	1.51E-69	-1.709	0.096	0.569	3.76E-65	6
Mpeg1	2.70E-69	-2.046	0.002	0.475	6.70E-65	6
Ms4a6c	2.78E-69	-2.134	0.032	0.504	6.91E-65	6
Stk17b	3.83E-69	1.088	0.875	0.611	9.52E-65	6
Eef2	5.40E-69	0.849	0.953	0.806	1.34E-64	6
Cd63	6.90E-69	-2.296	0.037	0.502	1.71E-64	6
Plbd1	8.58E-69	-2.006	0.017	0.488	2.13E-64	6
Nlrp3	1.06E-68	-2.787	0.059	0.536	2.63E-64	6
Ccr1	2.25E-68	-2.323	0.064	0.537	5.58E-64	6
Rnh1	2.59E-68	-1.463	0.152	0.619	6.44E-64	6
Gbp3	3.38E-68	1.269	0.444	0.151	8.38E-64	6
Ptprc	5.53E-68	0.957	0.936	0.744	1.37E-63	6
Rps14	9.36E-68	0.712	0.995	0.859	2.33E-63	6
Ccl5	1.56E-67	1.056	0.544	0.192	3.87E-63	6
Ctsh	2.16E-67	-1.500	0.044	0.514	5.36E-63	6
Rps3	4.53E-67	0.758	0.985	0.851	1.12E-62	6
Mbd2	7.42E-67	1.296	0.721	0.461	1.84E-62	6
Cxcl2	2.93E-66	-4.625	0.272	0.684	7.27E-62	6
Nfe2l2	4.16E-66	-1.465	0.127	0.604	1.03E-61	6
Itga5	1.07E-65	-1.681	0.025	0.486	2.67E-61	6
Zfp36	1.08E-65	-1.882	0.549	0.858	2.69E-61	6
Csf2rb2	1.26E-65	-1.875	0.027	0.488	3.12E-61	6
Fam110a	1.52E-65	1.155	0.691	0.364	3.78E-61	6
Tox	1.92E-65	0.771	0.255	0.049	4.77E-61	6
Hacd3	2.60E-65	1.150	0.446	0.159	6.45E-61	6
Tmem64	4.41E-65	1.390	0.461	0.166	1.10E-60	6
Ccl9	5.49E-65	-2.667	0.032	0.485	1.36E-60	6
B2m	7.98E-65	0.610	1	0.976	1.98E-60	6
Rabgap11	8.21E-65	1.067	0.404	0.125	2.04E-60	6
Csflr	4.36E-64	-1.726	0.02	0.469	1.08E-59	6
H2-Q4	7.89E-64	1.100	0.789	0.526	1.96E-59	6
Fyb	1.26E-63	1.058	0.892	0.638	3.13E-59	6
Unc93b1	1.33E-63	-1.366	0.015	0.466	3.31E-59	6
Cdkn1b	1.52E-63	1.249	0.711	0.44	3.78E-59	6
Rnf149	1.55E-63	-1.808	0.412	0.766	3.86E-59	6
Rpl5	1.58E-63	0.756	0.99	0.798	3.93E-59	6
Cd9	3.07E-63	-2.117	0.047	0.492	7.63E-59	6
Rab7b	3.20E-63	-1.734	0.007	0.453	7.95E-59	6
Ctsb	3.29E-63	-2.459	0.787	0.855	8.17E-59	6
Mafb	9.49E-63	-2.456	0.025	0.465	2.36E-58	6
Pla2g16	1.19E-62	1.169	0.478	0.189	2.95E-58	6
Arl6ip1	1.27E-62	1.068	0.86	0.623	3.16E-58	6
Zfp281	2.70E-62	1.404	0.515	0.222	6.71E-58	6
Rpl39	5.00E-62	0.740	0.985	0.843	1.24E-57	6
Atp6v0b	6.51E-62	-1.248	0.145	0.61	1.62E-57	6
Clec4d	7.99E-62	-2.808	0.015	0.453	1.98E-57	6

Mxd4	6.95E-61	1.206	0.473	0.19	1.73E-56	6
Atf3	1.16E-60	-2.006	0.071	0.506	2.88E-56	6
Ms4a6d	5.42E-60	-1.802	0.017	0.446	1.35E-55	6
Gbp6	6.43E-60	1.002	0.301	0.075	1.60E-55	6
Card19	6.76E-60	-1.443	0.105	0.557	1.68E-55	6
Casp3	1.66E-59	1.240	0.657	0.364	4.11E-55	6
Gem	1.90E-59	1.089	0.353	0.1	4.72E-55	6
S100a10	2.11E-59	1.066	0.907	0.687	5.25E-55	6
Gla	2.64E-59	-1.530	0.23	0.662	6.55E-55	6
Irgm2	3.70E-59	1.088	0.331	0.092	9.20E-55	6
Fosb	6.14E-59	-1.622	0.358	0.734	1.52E-54	6
Ctsl	7.55E-59	-2.393	0.108	0.529	1.88E-54	6
Smad7	1.02E-58	1.054	0.691	0.368	2.52E-54	6
Tuba1b	1.37E-58	-1.459	0.206	0.629	3.41E-54	6
Dab2	1.59E-58	-1.899	0.029	0.453	3.96E-54	6
Birc2	1.71E-58	1.063	0.534	0.226	4.24E-54	6
Ass1	2.00E-58	1.239	0.532	0.233	4.98E-54	6
Ddx5	3.23E-58	0.626	0.998	0.952	8.03E-54	6
Aif1	3.72E-58	-1.602	0.015	0.434	9.25E-54	6
Rhob	6.74E-58	-2.252	0.154	0.567	1.67E-53	6
Hexa	9.83E-58	-1.395	0.059	0.491	2.44E-53	6
C3ar1	1.10E-57	-1.762	0.02	0.437	2.74E-53	6
Rpl34	1.33E-57	0.692	0.99	0.852	3.30E-53	6
Tnfaip3	1.62E-57	0.886	0.88	0.631	4.03E-53	6
Samsn1	1.90E-57	0.632	0.831	0.487	4.72E-53	6
Osbpl3	1.99E-57	0.935	0.321	0.09	4.94E-53	6
Cd82	4.52E-57	1.012	0.505	0.212	1.12E-52	6
Anxa1	5.08E-57	-1.756	0.034	0.455	1.26E-52	6
Atp6v1b2	1.14E-56	-1.406	0.262	0.65	2.83E-52	6
Ddit4	1.24E-56	1.286	0.583	0.274	3.08E-52	6
Eef1a1	2.84E-56	0.604	1	0.95	7.06E-52	6
Zdhhc2	2.92E-56	0.722	0.257	0.058	7.25E-52	6
C5ar1	3.39E-56	-1.885	0.015	0.425	8.42E-52	6
Gna13	3.54E-56	0.854	0.941	0.803	8.78E-52	6
Trim25	1.35E-55	-1.400	0.216	0.626	3.36E-51	6
Nkg7	1.86E-55	0.883	0.292	0.068	4.63E-51	6
Scpep1	2.61E-55	-1.250	0.169	0.582	6.48E-51	6
Sh3kbp1	2.90E-55	1.055	0.686	0.421	7.20E-51	6
Sirpa	3.22E-55	-1.205	0.012	0.419	7.99E-51	6
Tmem189	4.25E-55	-1.329	0.24	0.652	1.06E-50	6
Pld4	4.86E-55	-1.241	0.007	0.411	1.21E-50	6
Ssh2	6.30E-55	1.104	0.515	0.226	1.57E-50	6
Ptbp1	8.62E-55	0.959	0.816	0.637	2.14E-50	6
Apoe	9.03E-55	-3.741	0.145	0.535	2.24E-50	6
Rpl12	1.08E-54	0.763	0.951	0.751	2.68E-50	6
Itm2c	1.41E-54	0.959	0.784	0.549	3.49E-50	6

Cd300lf	1.72E-54	-2.019	0.02	0.426	4.26E-50	6
Jak1	2.56E-54	0.871	0.86	0.662	6.35E-50	6
Emp1	2.90E-54	-1.957	0.108	0.504	7.19E-50	6
Cybb	3.33E-54	-2.044	0.034	0.438	8.28E-50	6
Gbp7	4.47E-54	1.388	0.475	0.204	1.11E-49	6
Lrba	8.62E-54	0.863	0.272	0.069	2.14E-49	6
Sdcbp	9.94E-54	-1.214	0.662	0.829	2.47E-49	6
Ctss	1.12E-53	-2.371	0.738	0.777	2.77E-49	6
Cxcl16	1.39E-53	-1.491	0.02	0.421	3.45E-49	6
Sema4b	1.72E-53	1.019	0.48	0.199	4.27E-49	6
Atxn1	9.32E-53	0.911	0.377	0.127	2.32E-48	6
Isy1	2.61E-52	1.126	0.598	0.335	6.47E-48	6
Ssbp3	2.90E-52	1.060	0.507	0.24	7.19E-48	6
Gstp3	5.01E-52	0.716	0.26	0.063	1.24E-47	6
Rpsa	6.85E-52	0.807	0.929	0.743	1.70E-47	6
Cfp	9.01E-52	-1.336	0.037	0.43	2.24E-47	6
Osm	1.12E-51	-1.876	0.032	0.424	2.78E-47	6
Smco4	1.35E-51	0.714	0.257	0.064	3.35E-47	6
Lhfpl2	3.14E-51	-2.200	0.027	0.411	7.80E-47	6
Tnrc6b	5.57E-51	1.071	0.478	0.203	1.38E-46	6
Gpr35	1.47E-50	-1.328	0.005	0.384	3.64E-46	6
Anxa5	1.67E-50	-1.271	0.306	0.641	4.15E-46	6
Ctsc	4.37E-50	-1.780	0.277	0.613	1.09E-45	6
C1qb	4.60E-50	-3.106	0.044	0.418	1.14E-45	6
Hcst	6.03E-50	0.913	0.407	0.154	1.50E-45	6
Leprotil1	6.03E-50	1.153	0.598	0.364	1.50E-45	6
Sdc3	7.37E-50	-1.188	0.032	0.416	1.83E-45	6
Eps8	1.94E-49	-1.266	0.034	0.415	4.81E-45	6
Slc11a1	2.88E-49	-1.289	0.017	0.393	7.16E-45	6
Pla2g7	2.90E-49	-1.756	0.02	0.395	7.20E-45	6
Jun	4.45E-49	-2.061	0.265	0.646	1.11E-44	6
Gpr55	8.03E-49	0.918	0.25	0.062	1.99E-44	6
Tiparp	8.53E-49	-1.536	0.23	0.613	2.12E-44	6
Vegfa	2.91E-48	-2.017	0.061	0.435	7.23E-44	6
Clec4a2	6.08E-48	-1.229	0.012	0.378	1.51E-43	6
Tpp2	6.42E-48	1.045	0.711	0.492	1.59E-43	6
Cblb	7.12E-48	1.189	0.534	0.272	1.77E-43	6
Rpl7	8.17E-48	0.671	0.963	0.766	2.03E-43	6
Rgl1	8.51E-48	-1.396	0.012	0.378	2.11E-43	6
Uqcrh	1.26E-47	0.743	0.877	0.708	3.12E-43	6
AU020206	1.98E-47	0.968	0.353	0.124	4.93E-43	6
Sgpl1	2.02E-47	-1.089	0.225	0.627	5.02E-43	6
Tbc1d9	2.18E-47	-1.014	0.002	0.363	5.41E-43	6
Prrc2b	2.85E-47	1.140	0.517	0.266	7.07E-43	6
Clic4	3.35E-47	-1.357	0.279	0.644	8.33E-43	6
Carmil2	4.15E-47	0.555	0.252	0.063	1.03E-42	6

Gns	5.30E-47	-1.099	0.059	0.442	1.32E-42	6
Lrp1	1.65E-46	-1.086	0.01	0.369	4.09E-42	6
Nrros	1.88E-46	-1.285	0.118	0.504	4.66E-42	6
Cebpa	1.94E-46	-1.349	0.017	0.378	4.83E-42	6
Rab27a	2.71E-46	0.834	0.314	0.099	6.73E-42	6
Lyn	3.55E-46	-1.079	0.14	0.537	8.81E-42	6
Saraf	3.71E-46	0.996	0.62	0.387	9.22E-42	6
Zfand2a	4.49E-46	-1.089	0.032	0.399	1.11E-41	6
Plekha2	6.48E-46	1.102	0.564	0.317	1.61E-41	6
Rnf130	8.53E-46	-0.979	0.064	0.445	2.12E-41	6
Lamp2	9.11E-46	-1.171	0.255	0.617	2.26E-41	6
Dusp3	9.51E-46	-0.903	0.037	0.407	2.36E-41	6
Tnfaip2	1.12E-45	-1.291	0.007	0.359	2.78E-41	6
Vat1	1.23E-45	-1.174	0.047	0.413	3.05E-41	6
Slnf2	1.57E-45	-1.292	0.449	0.75	3.90E-41	6
Mmp19	1.82E-45	-1.722	0.02	0.375	4.53E-41	6
Vps37b	2.22E-45	0.965	0.816	0.613	5.52E-41	6
Rps7	2.33E-45	0.639	0.975	0.79	5.79E-41	6
Rpl9	2.89E-45	0.591	0.985	0.84	7.17E-41	6
Aldh2	3.02E-45	-0.986	0.01	0.363	7.50E-41	6
Bmyc	3.11E-45	1.113	0.284	0.087	7.72E-41	6
Map4k2	3.47E-45	0.666	0.353	0.121	8.63E-41	6
Ii10rb	5.01E-45	-1.161	0.127	0.512	1.24E-40	6
Eif4a1	5.89E-45	-0.821	0.772	0.867	1.46E-40	6
Msr1	5.89E-45	-1.482	0.01	0.357	1.46E-40	6
Fcgr1	6.87E-45	-1.192	0.01	0.359	1.71E-40	6
Rbm47	9.65E-45	-1.042	0.042	0.406	2.40E-40	6
Mllt3	1.12E-44	0.941	0.341	0.119	2.77E-40	6
Rab20	1.23E-44	-1.315	0.056	0.416	3.05E-40	6
Mdh1	1.25E-44	1.045	0.627	0.407	3.10E-40	6
5031439G07Rik	1.33E-44	-0.963	0.071	0.449	3.31E-40	6
Cndp2	1.59E-44	-1.265	0.147	0.501	3.94E-40	6
Thap12	1.63E-44	1.138	0.471	0.228	4.06E-40	6
Nuak2	1.85E-44	-1.041	0.012	0.362	4.59E-40	6
Tcirg1	2.76E-44	-1.145	0.135	0.518	6.86E-40	6
Atp6v1a	2.94E-44	-1.345	0.248	0.6	7.31E-40	6
Cmtm3	4.93E-44	-0.925	0.054	0.415	1.22E-39	6
Peli1	8.26E-44	0.994	0.752	0.563	2.05E-39	6
Prrc2c	9.03E-44	0.922	0.811	0.667	2.24E-39	6
Atox1	1.23E-43	-1.050	0.181	0.563	3.06E-39	6
Klf4	1.26E-43	-1.358	0.282	0.64	3.14E-39	6
Rpl37a	1.27E-43	0.606	0.99	0.854	3.15E-39	6
Zc3h15	2.81E-43	0.899	0.706	0.51	6.98E-39	6
Itpkb	2.94E-43	0.929	0.635	0.388	7.29E-39	6
Ccl2	5.04E-43	-2.223	0.012	0.349	1.25E-38	6
Msrb1	6.45E-43	-1.301	0.108	0.478	1.60E-38	6

Slc26a2	7.99E-43	1.126	0.576	0.336	1.98E-38	6
Ier5	9.40E-43	-1.416	0.468	0.77	2.34E-38	6
Pid1	9.46E-43	-0.960	0.007	0.344	2.35E-38	6
Slamf7	1.30E-42	-1.127	0.017	0.357	3.24E-38	6
Clec4e	1.36E-42	-2.456	0.025	0.362	3.38E-38	6
Anxa6	1.80E-42	0.812	0.615	0.366	4.48E-38	6
Clec4a1	2.10E-42	-1.134	0.01	0.344	5.22E-38	6
Cbfa2t3	2.67E-42	-1.511	0.015	0.35	6.64E-38	6
Zfp53	2.75E-42	0.765	0.289	0.091	6.83E-38	6
Cnot6l	3.07E-42	0.970	0.566	0.326	7.63E-38	6
Gusb	7.65E-42	-0.944	0.061	0.41	1.90E-37	6
Plekho1	1.09E-41	-0.802	0.017	0.351	2.70E-37	6
H2-DMA	1.11E-41	-1.185	0.064	0.408	2.77E-37	6
Gbp4	1.32E-41	0.939	0.265	0.078	3.28E-37	6
Fnbp1	1.35E-41	0.901	0.701	0.497	3.37E-37	6
Mrc1	1.41E-41	-1.832	0.022	0.353	3.51E-37	6
Rpl30	1.63E-41	0.589	0.975	0.796	4.06E-37	6
Panx1	1.79E-41	0.877	0.343	0.129	4.44E-37	6
Hsp90ab1	1.83E-41	0.594	0.993	0.879	4.55E-37	6
Gpr137b	2.22E-41	-1.007	0.029	0.366	5.52E-37	6
Ctsd	2.53E-41	-1.676	0.297	0.605	6.28E-37	6
Apobec1	3.62E-41	-1.072	0.012	0.342	9.00E-37	6
Aes	3.94E-41	0.832	0.752	0.551	9.78E-37	6
Serpina3g	4.10E-41	0.990	0.297	0.096	1.02E-36	6
Tubb6	6.75E-41	-1.001	0.159	0.525	1.68E-36	6
Tapbp1	6.83E-41	0.978	0.409	0.183	1.70E-36	6
Zdhhc18	9.03E-41	0.801	0.444	0.205	2.24E-36	6
Il1b	1.04E-40	-2.896	0.012	0.334	2.58E-36	6
Rplp1	1.10E-40	0.561	0.998	0.893	2.73E-36	6
Etv3	1.11E-40	-1.368	0.15	0.51	2.75E-36	6
Ifi204	1.19E-40	-1.072	0.012	0.34	2.97E-36	6
Stx11	1.36E-40	1.047	0.613	0.366	3.37E-36	6
Clec4a3	1.65E-40	-0.975	0.005	0.326	4.09E-36	6
Rps24	1.71E-40	0.518	0.988	0.863	4.24E-36	6
Akap13	1.78E-40	0.813	0.767	0.565	4.41E-36	6
Flrt3	2.01E-40	-1.883	0.012	0.333	4.99E-36	6
Syt11	2.30E-40	0.791	0.255	0.076	5.72E-36	6
Cln8	2.63E-40	-0.913	0.027	0.358	6.52E-36	6
Lrrc25	4.26E-40	-0.826	0	0.316	1.06E-35	6
Pirb	5.60E-40	-0.806	0.007	0.328	1.39E-35	6
Slc7a8	6.53E-40	-1.091	0.017	0.339	1.62E-35	6
Fam129a	7.39E-40	0.901	0.49	0.256	1.84E-35	6
Cd300a	9.86E-40	-0.881	0.012	0.333	2.45E-35	6
Stat5b	1.01E-39	0.940	0.397	0.175	2.51E-35	6
S100a13	1.05E-39	0.985	0.65	0.476	2.62E-35	6
C1qc	1.17E-39	-2.738	0.064	0.382	2.89E-35	6



Trib1	1.39E-39	-1.633	0.299	0.625	3.45E-35	6
Cyfp2	1.51E-39	0.921	0.439	0.203	3.75E-35	6
Ttc39b	1.56E-39	0.855	0.404	0.178	3.89E-35	6
Socs3	2.00E-39	-1.328	0.115	0.469	4.98E-35	6
Naaa	2.91E-39	-1.371	0.029	0.353	7.23E-35	6
Nceh1	3.53E-39	-0.966	0.051	0.386	8.77E-35	6
Cd37	3.76E-39	0.857	0.537	0.301	9.35E-35	6
Cd86	4.27E-39	-0.894	0.061	0.406	1.06E-34	6
Wnk1	5.60E-39	0.734	0.87	0.704	1.39E-34	6
Gabarap	5.69E-39	-0.796	0.816	0.853	1.41E-34	6
Gda	6.02E-39	-1.298	0.074	0.41	1.50E-34	6
H2-DMb1	7.47E-39	-1.012	0.012	0.325	1.85E-34	6
Cd74	1.05E-38	-2.953	0.723	0.78	2.60E-34	6
Ralb	1.49E-38	-0.810	0.061	0.403	3.71E-34	6
Mdm2	1.83E-38	-1.333	0.321	0.659	4.54E-34	6
Cd83	3.01E-38	-1.101	0.103	0.449	7.47E-34	6
Ms4a4c	3.27E-38	-1.321	0.005	0.312	8.12E-34	6
Abca2	3.38E-38	0.745	0.284	0.096	8.38E-34	6
Fmn11	3.76E-38	0.715	0.73	0.506	9.34E-34	6
Skap2	3.82E-38	-0.788	0.123	0.487	9.48E-34	6
Atp6v1c1	4.13E-38	-0.961	0.115	0.461	1.03E-33	6
Adgre1	4.24E-38	-1.258	0.01	0.317	1.05E-33	6
Cyp51	5.14E-38	1.037	0.527	0.285	1.28E-33	6
Prdx5	5.97E-38	-1.163	0.279	0.613	1.48E-33	6
Lst1	6.36E-38	-0.980	0.027	0.343	1.58E-33	6
Nsd3	7.26E-38	0.839	0.755	0.592	1.80E-33	6
Rps23	1.08E-37	0.557	0.988	0.841	2.68E-33	6
Kmt2a	1.11E-37	0.846	0.507	0.27	2.77E-33	6
Ccdc88a	1.29E-37	-1.041	0.01	0.317	3.20E-33	6
Rapgef6	1.42E-37	1.080	0.495	0.268	3.53E-33	6
Gm11808	1.54E-37	0.620	0.912	0.752	3.83E-33	6
Rps4x	2.34E-37	0.577	0.968	0.784	5.80E-33	6
Prep	3.86E-37	-0.776	0.054	0.378	9.58E-33	6
Pdcd4	4.11E-37	0.852	0.409	0.185	1.02E-32	6
Sowahc	6.07E-37	-0.945	0.025	0.335	1.51E-32	6
Cd300c2	6.30E-37	-0.756	0.002	0.299	1.56E-32	6
Cd52	6.38E-37	0.692	0.973	0.828	1.59E-32	6
Mafk	7.37E-37	-1.108	0.123	0.466	1.83E-32	6
Rpl27	8.98E-37	0.630	0.892	0.748	2.23E-32	6
Lmo4	1.03E-36	-0.964	0.113	0.461	2.57E-32	6
Chd3	1.76E-36	0.923	0.453	0.229	4.37E-32	6
Stx7	1.81E-36	-0.717	0.115	0.468	4.51E-32	6
Fndc3b	2.55E-36	-0.871	0.034	0.347	6.35E-32	6
Plau	2.65E-36	-1.499	0.02	0.319	6.57E-32	6
Ssfa2	3.00E-36	-0.782	0.086	0.425	7.44E-32	6
Tnf	3.00E-36	-1.923	0.037	0.343	7.46E-32	6

Psen2	3.77E-36	0.955	0.532	0.321	9.37E-32	6
Lbh	5.83E-36	0.981	0.446	0.232	1.45E-31	6
Slc35e2	5.90E-36	0.774	0.301	0.112	1.47E-31	6
Clec4n	6.02E-36	-1.177	0.005	0.297	1.49E-31	6
Baz2b	6.35E-36	-0.927	0.064	0.388	1.58E-31	6
Ly75	7.70E-36	0.698	0.287	0.096	1.91E-31	6
Kmt2e	8.77E-36	0.833	0.811	0.676	2.18E-31	6
Abca1	9.39E-36	-1.156	0.022	0.321	2.33E-31	6
Stom	9.69E-36	-0.716	0.022	0.325	2.41E-31	6
Dusp10	1.28E-35	0.867	0.37	0.156	3.19E-31	6
Fbxo33	1.38E-35	0.903	0.576	0.37	3.42E-31	6
Clec12a	1.47E-35	-0.851	0	0.287	3.64E-31	6
Plcg2	2.05E-35	-0.680	0.005	0.295	5.10E-31	6
Tm6sf1	2.40E-35	-0.785	0.044	0.356	5.96E-31	6
Mif4gd	2.76E-35	0.899	0.51	0.299	6.86E-31	6
Marcksl1	2.99E-35	-1.750	0.248	0.578	7.44E-31	6
Eif4e	3.19E-35	-1.158	0.407	0.694	7.92E-31	6
Mmd	4.60E-35	1.006	0.368	0.164	1.14E-30	6
Olfm1	5.11E-35	-0.937	0.012	0.304	1.27E-30	6
Uhrf2	5.89E-35	0.890	0.576	0.367	1.46E-30	6
Pvr	5.90E-35	-0.917	0.088	0.416	1.47E-30	6
Bri3	6.37E-35	-0.767	0.118	0.465	1.58E-30	6
Plekhm2	6.96E-35	-0.894	0.049	0.354	1.73E-30	6
Fcgr4	6.97E-35	-1.091	0.007	0.294	1.73E-30	6
Rab32	1.15E-34	-0.710	0.01	0.297	2.86E-30	6
Cd24a	1.39E-34	-2.392	0.042	0.335	3.46E-30	6
Paip2	1.42E-34	0.826	0.62	0.441	3.53E-30	6
Agfg1	1.50E-34	0.866	0.498	0.293	3.72E-30	6
Prkcd	1.71E-34	-0.878	0.25	0.6	4.25E-30	6
Tlr2	1.95E-34	-1.058	0.007	0.29	4.85E-30	6
Spag9	1.99E-34	-0.928	0.363	0.711	4.94E-30	6
Fabp5	2.19E-34	-2.283	0.267	0.552	5.44E-30	6
Gcsh	2.62E-34	-0.879	0.044	0.347	6.51E-30	6
Nop53	2.67E-34	0.797	0.642	0.462	6.64E-30	6
Stk10	2.89E-34	0.774	0.458	0.236	7.19E-30	6
Pgam1	2.98E-34	-1.106	0.436	0.683	7.41E-30	6
Akna	3.39E-34	0.769	0.38	0.167	8.43E-30	6
Erp29	3.69E-34	-0.779	0.147	0.48	9.17E-30	6
Ncf1	4.72E-34	-0.817	0.005	0.286	1.17E-29	6
Snx18	5.07E-34	0.902	0.657	0.476	1.26E-29	6
Pfkfb3	5.78E-34	-1.096	0.051	0.352	1.44E-29	6
Sgms2	6.27E-34	-1.336	0.005	0.284	1.56E-29	6
Smim3	7.00E-34	-1.143	0.189	0.521	1.74E-29	6
Sirpb1c	7.07E-34	-0.965	0.005	0.283	1.76E-29	6
Atp2a3	7.19E-34	0.578	0.314	0.116	1.79E-29	6
Ptgs2	8.17E-34	-2.711	0.025	0.308	2.03E-29	6

Rpl24	8.50E-34	0.600	0.931	0.785	2.11E-29	6
Slc6a6	9.23E-34	-0.873	0.272	0.605	2.29E-29	6
Cyld	1.42E-33	0.791	0.449	0.235	3.54E-29	6
Stx3	1.50E-33	-0.806	0.017	0.301	3.73E-29	6
Sesn3	1.97E-33	0.664	0.265	0.091	4.88E-29	6
B4galt5	2.33E-33	-0.932	0.164	0.495	5.78E-29	6
Tns3	2.36E-33	-0.699	0.005	0.28	5.85E-29	6
Nucb1	3.80E-33	0.753	0.657	0.477	9.44E-29	6
Clk1	3.98E-33	0.710	0.806	0.665	9.89E-29	6
Slc29a3	4.69E-33	-0.677	0.02	0.302	1.17E-28	6
Rab8b	4.91E-33	0.633	0.89	0.755	1.22E-28	6
Snx10	6.54E-33	-0.772	0.037	0.328	1.63E-28	6
Hck	7.03E-33	-0.777	0.005	0.277	1.75E-28	6
Pltp	7.93E-33	-1.465	0.022	0.299	1.97E-28	6
Cyp4f18	8.20E-33	-1.934	0.005	0.276	2.04E-28	6
Rpl23a	8.60E-33	0.511	0.978	0.825	2.14E-28	6
Akr1a1	1.17E-32	-0.929	0.4	0.654	2.90E-28	6
Anpep	1.22E-32	-0.927	0.007	0.28	3.03E-28	6
Sfpq	1.61E-32	0.577	0.885	0.8	3.99E-28	6
Anp32a	1.73E-32	0.828	0.716	0.575	4.29E-28	6
Antxr2	2.08E-32	-1.123	0.127	0.442	5.17E-28	6
Ldlr	2.65E-32	-0.924	0.059	0.356	6.59E-28	6
Gpx1	2.77E-32	-1.034	0.498	0.704	6.89E-28	6
F13a1	2.90E-32	-1.623	0.015	0.285	7.21E-28	6
Pdxk	2.93E-32	-0.731	0.037	0.325	7.28E-28	6
Hip1r	3.04E-32	0.506	0.25	0.08	7.55E-28	6
Dnaj1	3.17E-32	0.671	0.907	0.776	7.88E-28	6
Tcf4	3.38E-32	-0.843	0.029	0.313	8.39E-28	6
Ccl4	3.87E-32	-3.464	0.059	0.345	9.61E-28	6
Igsf6	4.04E-32	-0.808	0	0.264	1.00E-27	6
Ubal2	4.25E-32	0.884	0.578	0.38	1.06E-27	6
Gm26917	4.61E-32	0.476	0.77	0.582	1.15E-27	6
Cpne2	4.81E-32	-0.786	0.01	0.279	1.19E-27	6
Bach1	5.17E-32	-1.015	0.213	0.533	1.28E-27	6
Snx8	6.42E-32	-0.658	0.017	0.291	1.60E-27	6
Rps3a1	9.38E-32	0.477	0.971	0.833	2.33E-27	6
Ptpre	9.65E-32	-0.959	0.091	0.396	2.40E-27	6
Ninj1	1.01E-31	-0.791	0.105	0.419	2.52E-27	6
F10	1.10E-31	-1.184	0.005	0.268	2.74E-27	6
Pabpc1	1.53E-31	0.421	0.99	0.929	3.81E-27	6
Tmem106a	1.55E-31	-0.704	0.042	0.327	3.86E-27	6
Cd93	1.77E-31	-0.979	0.005	0.267	4.40E-27	6
Rock1	1.86E-31	0.842	0.743	0.598	4.62E-27	6
Ss18	2.02E-31	0.944	0.488	0.294	5.03E-27	6
Rpl4	2.06E-31	0.527	0.961	0.778	5.13E-27	6
Fth1	2.78E-31	-1.584	0.998	0.983	6.91E-27	6

Stk4	3.78E-31	1.002	0.6	0.426	9.38E-27	6
Vps18	4.04E-31	-0.765	0.039	0.322	1.00E-26	6
Crlf3	4.06E-31	1.058	0.537	0.346	1.01E-26	6
Plk2	4.26E-31	-1.315	0.02	0.288	1.06E-26	6
Klf3	8.56E-31	-0.711	0.083	0.392	2.13E-26	6
Tnfrsf1a	8.64E-31	-0.675	0.054	0.345	2.15E-26	6
Ist1	1.04E-30	-0.842	0.331	0.653	2.59E-26	6
Emp3	1.30E-30	-0.854	0.434	0.689	3.23E-26	6
Rnf138	1.32E-30	0.885	0.382	0.19	3.29E-26	6
Atp6ap2	1.54E-30	-0.825	0.373	0.663	3.83E-26	6
Pnrc1	1.62E-30	0.405	0.875	0.726	4.02E-26	6
Maff	1.78E-30	-1.079	0.125	0.434	4.43E-26	6
Tnfsf12	1.95E-30	-0.640	0.01	0.268	4.84E-26	6
Itgax	2.08E-30	-0.949	0.01	0.268	5.17E-26	6
Renbp	2.16E-30	-0.597	0.005	0.26	5.37E-26	6
Plxnb2	2.46E-30	-0.553	0.002	0.255	6.11E-26	6
C1qa	2.46E-30	-2.085	0.037	0.297	6.12E-26	6
Plac8	2.85E-30	-1.682	0.051	0.325	7.07E-26	6
Traf1	2.99E-30	0.769	0.593	0.367	7.41E-26	6
Ccl3	3.33E-30	-3.679	0.056	0.328	8.28E-26	6
Esd	3.34E-30	-1.044	0.25	0.562	8.30E-26	6
Oasl2	3.69E-30	-1.056	0.005	0.259	9.15E-26	6
Sh3pxd2b	3.98E-30	-0.567	0.02	0.283	9.90E-26	6
Slc1a5	4.01E-30	0.756	0.559	0.36	9.95E-26	6
Skil	5.46E-30	0.727	0.777	0.639	1.36E-25	6
Cbx3	6.08E-30	0.736	0.596	0.394	1.51E-25	6
Coro1a	6.54E-30	0.603	0.904	0.756	1.62E-25	6
Sestd1	8.32E-30	-0.596	0.01	0.264	2.07E-25	6
Nfam1	8.95E-30	-0.752	0.01	0.262	2.22E-25	6
Dad1	9.51E-30	0.664	0.706	0.576	2.36E-25	6
Tubb2a	1.05E-29	-0.760	0.061	0.344	2.62E-25	6
Celf2	1.14E-29	0.745	0.728	0.551	2.83E-25	6
Ubc	1.19E-29	-0.969	0.904	0.958	2.95E-25	6
Rabgef1	1.19E-29	-0.837	0.132	0.443	2.95E-25	6
Anxa2	1.28E-29	-0.969	0.515	0.73	3.19E-25	6
Mindy1	1.51E-29	-0.775	0.025	0.286	3.76E-25	6
Ywhaz	1.61E-29	0.486	0.961	0.864	3.99E-25	6
Sdf2l1	1.69E-29	-0.666	0.071	0.356	4.20E-25	6
Adam15	1.72E-29	-0.733	0.064	0.342	4.28E-25	6
Ckap4	1.82E-29	-0.777	0.017	0.273	4.51E-25	6
Ifngr2	1.87E-29	-0.591	0.042	0.319	4.64E-25	6
Cttnbp2nl	1.98E-29	-0.552	0.007	0.258	4.91E-25	6
Asah1	2.30E-29	-0.673	0.083	0.372	5.70E-25	6
Atf4	2.44E-29	-0.919	0.733	0.889	6.05E-25	6
Ctsa	2.90E-29	-1.037	0.319	0.579	7.21E-25	6
Gm42418	3.47E-29	0.400	0.963	0.906	8.61E-25	6

Zyx	3.67E-29	-0.940	0.277	0.576	9.11E-25	6
Mier1	3.70E-29	0.941	0.564	0.394	9.19E-25	6
Pxn	3.71E-29	-0.793	0.1	0.394	9.21E-25	6
Rab7	3.80E-29	-0.900	0.679	0.827	9.45E-25	6
Cd300ld	4.41E-29	-0.795	0.005	0.251	1.10E-24	6
Spp1	6.00E-29	-2.744	0.027	0.282	1.49E-24	6
Npc1	7.28E-29	-0.736	0.115	0.417	1.81E-24	6
Ypel3	8.71E-29	0.785	0.468	0.265	2.16E-24	6
Gpr65	9.97E-29	0.878	0.578	0.385	2.48E-24	6
Rpl18a	1.63E-28	0.492	0.966	0.822	4.04E-24	6
Cnn2	2.17E-28	0.680	0.62	0.409	5.40E-24	6
Fosl2	2.38E-28	0.769	0.85	0.769	5.92E-24	6
Map1lc3b	2.81E-28	0.603	0.836	0.73	6.98E-24	6
Uvrag	2.98E-28	-0.753	0.14	0.439	7.39E-24	6
Cnpy3	3.12E-28	-0.526	0.047	0.317	7.76E-24	6
Cers6	3.44E-28	-0.681	0.029	0.285	8.55E-24	6
Cd36	3.68E-28	-1.533	0.01	0.251	9.15E-24	6
Lmna	4.05E-28	-0.906	0.353	0.632	1.01E-23	6
Lgals3bp	4.55E-28	-0.821	0.123	0.409	1.13E-23	6
Cln3	4.71E-28	-0.934	0.103	0.391	1.17E-23	6
Lat2	5.31E-28	-0.717	0.103	0.388	1.32E-23	6
Sbno2	5.35E-28	-0.818	0.125	0.426	1.33E-23	6
mt-Nd2	5.64E-28	-0.804	0.953	0.945	1.40E-23	6
Oaz1	6.48E-28	0.492	0.946	0.825	1.61E-23	6
Abl2	6.82E-28	-0.716	0.1	0.392	1.69E-23	6
Zfp36l1	8.08E-28	0.897	0.735	0.557	2.01E-23	6
Slc8b1	8.35E-28	-0.680	0.034	0.289	2.07E-23	6
Rhbdf2	8.52E-28	-0.684	0.071	0.349	2.12E-23	6
Rgs1	9.51E-28	0.399	0.819	0.576	2.36E-23	6
Tab2	9.61E-28	0.716	0.676	0.553	2.39E-23	6
Piezo1	9.63E-28	-0.872	0.176	0.478	2.39E-23	6
Jak2	9.69E-28	0.762	0.615	0.427	2.41E-23	6
Pf4	9.82E-28	-1.967	0.015	0.255	2.44E-23	6
Klf6	1.11E-27	-0.822	0.708	0.861	2.76E-23	6
Myadm	1.36E-27	-0.758	0.132	0.427	3.37E-23	6
Gadd45g	1.36E-27	-1.096	0.025	0.273	3.38E-23	6
Pdia6	1.42E-27	-0.752	0.211	0.506	3.53E-23	6
Laptm5	1.43E-27	0.493	0.971	0.854	3.56E-23	6
Pbxip1	1.70E-27	0.750	0.35	0.17	4.23E-23	6
Rpl38	1.75E-27	0.428	0.973	0.852	4.35E-23	6
Ms4a7	1.91E-27	-1.608	0.025	0.265	4.75E-23	6
Mylip	2.22E-27	-0.973	0.059	0.317	5.51E-23	6
Ogfrl1	2.31E-27	-0.749	0.025	0.273	5.74E-23	6
Rplp2	2.83E-27	0.412	0.973	0.855	7.02E-23	6
Cebpb	2.94E-27	-1.181	0.662	0.789	7.31E-23	6
Nfatc3	3.29E-27	0.801	0.431	0.249	8.17E-23	6

Gsn	3.48E-27	-0.644	0.091	0.372	8.64E-23	6
Slc11a2	4.06E-27	-0.586	0.029	0.28	1.01E-22	6
Slc25a19	4.95E-27	0.685	0.343	0.168	1.23E-22	6
Sh2b3	5.08E-27	-0.609	0.02	0.262	1.26E-22	6
Gpd2	5.66E-27	-0.739	0.054	0.312	1.40E-22	6
Hk2	6.29E-27	-0.846	0.115	0.399	1.56E-22	6
Slc25a3	7.45E-27	0.624	0.9	0.804	1.85E-22	6
4930523C07Rik	8.34E-27	0.783	0.409	0.211	2.07E-22	6
Rps6	9.15E-27	0.463	0.963	0.824	2.27E-22	6
Xdh	9.27E-27	-0.627	0.029	0.277	2.30E-22	6
Ccser2	9.40E-27	0.637	0.39	0.198	2.33E-22	6
2310022A10Rik	9.94E-27	-0.706	0.064	0.324	2.47E-22	6
Slc31a1	1.14E-26	-0.671	0.054	0.314	2.84E-22	6
Ppp2r5c	1.17E-26	0.715	0.652	0.505	2.90E-22	6
Anxa4	1.19E-26	-0.773	0.154	0.436	2.96E-22	6
Eif3f	1.21E-26	0.712	0.706	0.58	3.00E-22	6
Myh9	1.26E-26	0.557	0.799	0.661	3.14E-22	6
Elovl5	1.27E-26	0.848	0.578	0.418	3.16E-22	6
Pqlc1	1.42E-26	0.987	0.478	0.306	3.54E-22	6
Cytip	1.50E-26	0.558	0.85	0.646	3.71E-22	6
Rps11	1.58E-26	0.422	0.995	0.82	3.92E-22	6
Rpl6	1.58E-26	0.449	0.998	0.841	3.93E-22	6
Itgb1	1.62E-26	-0.691	0.309	0.591	4.02E-22	6
Arap1	1.68E-26	-0.722	0.059	0.319	4.17E-22	6
Gabpb1	1.84E-26	0.998	0.417	0.235	4.56E-22	6
Ube2j1	2.06E-26	0.822	0.574	0.433	5.10E-22	6
Csrnp1	2.30E-26	-1.080	0.571	0.783	5.71E-22	6
Phf23	2.39E-26	-0.699	0.174	0.478	5.92E-22	6
Slc16a10	2.77E-26	-0.674	0.044	0.296	6.87E-22	6
Ifnar2	3.10E-26	-0.727	0.096	0.368	7.69E-22	6
Tspan13	3.44E-26	0.670	0.598	0.389	8.56E-22	6
Rsu1	4.18E-26	-0.525	0.118	0.406	1.04E-21	6
P4hb	5.44E-26	-0.842	0.532	0.723	1.35E-21	6
Rps27rt	6.38E-26	0.596	0.779	0.652	1.58E-21	6
Ccr2	7.16E-26	1.086	0.527	0.328	1.78E-21	6
Plekho2	7.21E-26	-0.650	0.194	0.497	1.79E-21	6
Pik3r5	8.56E-26	-0.581	0.042	0.291	2.13E-21	6
Spin1	1.02E-25	0.829	0.456	0.283	2.53E-21	6
Mef2a	1.22E-25	-0.660	0.154	0.452	3.04E-21	6
Tspan3	1.35E-25	-0.728	0.086	0.353	3.36E-21	6
Dhrs3	1.37E-25	-0.666	0.034	0.274	3.40E-21	6
Tpr	1.39E-25	0.747	0.696	0.554	3.46E-21	6
Lamtor3	1.47E-25	-0.520	0.074	0.342	3.65E-21	6
Atp6ap1	1.67E-25	-0.723	0.26	0.558	4.14E-21	6
Sde2	1.95E-25	-0.902	0.199	0.489	4.85E-21	6
Rnf19b	1.99E-25	-0.762	0.25	0.543	4.94E-21	6

Wac	2.32E-25	0.613	0.694	0.558	5.75E-21	6
Mrps6	2.47E-25	0.759	0.431	0.253	6.14E-21	6
Emsy	2.51E-25	0.832	0.373	0.198	6.23E-21	6
Dnajb6	3.07E-25	0.603	0.703	0.589	7.62E-21	6
Snap23	3.80E-25	-0.602	0.103	0.378	9.43E-21	6
Tpm4	3.88E-25	0.703	0.684	0.541	9.64E-21	6
Ptpn6	3.96E-25	-0.610	0.086	0.349	9.84E-21	6
Creg1	4.81E-25	-0.846	0.135	0.408	1.20E-20	6
Dtx3	8.11E-25	0.713	0.275	0.118	2.01E-20	6
Mtss1	8.16E-25	-0.647	0.027	0.256	2.03E-20	6
Sumo2	8.75E-25	0.612	0.745	0.627	2.17E-20	6
Hexb	1.01E-24	-0.813	0.076	0.324	2.51E-20	6
Myo5a	1.07E-24	-0.603	0.093	0.36	2.66E-20	6
Atp6v0e	1.13E-24	-0.694	0.446	0.696	2.81E-20	6
Sec62	1.19E-24	0.662	0.716	0.594	2.97E-20	6
Runx1	1.30E-24	-0.776	0.206	0.498	3.24E-20	6
Mat2b	1.31E-24	0.684	0.426	0.258	3.24E-20	6
Pak2	1.83E-24	0.615	0.735	0.609	4.56E-20	6
Mbnl2	1.93E-24	-0.710	0.213	0.511	4.79E-20	6
Fyn	2.02E-24	0.602	0.63	0.448	5.02E-20	6
Isg20	2.09E-24	0.529	0.265	0.105	5.18E-20	6
Pip5k1c	2.19E-24	-0.719	0.267	0.567	5.43E-20	6
Rps21	2.33E-24	0.449	0.936	0.784	5.80E-20	6
Cux1	2.65E-24	-0.561	0.135	0.419	6.59E-20	6
Tubb5	2.71E-24	-0.910	0.292	0.558	6.74E-20	6
Notch1	3.32E-24	0.687	0.419	0.239	8.25E-20	6
Atp6v0a1	3.34E-24	-0.511	0.027	0.256	8.30E-20	6
Pmaip1	4.24E-24	0.900	0.574	0.397	1.05E-19	6
Cd53	4.25E-24	0.361	0.944	0.801	1.06E-19	6
Ehd4	4.36E-24	-0.670	0.184	0.466	1.08E-19	6
Ptpn18	4.53E-24	0.755	0.522	0.364	1.12E-19	6
Eif3h	5.03E-24	0.639	0.708	0.611	1.25E-19	6
Neurl3	5.08E-24	0.710	0.566	0.383	1.26E-19	6
Limd2	5.51E-24	0.798	0.397	0.226	1.37E-19	6
Rhoh	6.12E-24	0.725	0.328	0.161	1.52E-19	6
Kdm5b	6.57E-24	0.567	0.316	0.146	1.63E-19	6
Smarca5	6.83E-24	0.695	0.718	0.594	1.70E-19	6
Evl	8.25E-24	-0.493	0.027	0.251	2.05E-19	6
Cdt1	8.49E-24	-0.695	0.078	0.328	2.11E-19	6
Rap2b	8.74E-24	-0.643	0.142	0.416	2.17E-19	6
Hmgal	1.07E-23	-0.519	0.093	0.354	2.65E-19	6
Tshz1	1.41E-23	0.723	0.262	0.111	3.50E-19	6
Eef1b2	1.62E-23	0.449	0.912	0.767	4.03E-19	6
Klf2	1.76E-23	-1.000	0.074	0.314	4.37E-19	6
Rsb1l1	1.83E-23	0.668	0.397	0.222	4.54E-19	6
Mknk2	1.90E-23	0.447	0.821	0.715	4.73E-19	6

Arl8a	1.94E-23	-0.552	0.145	0.424	4.82E-19	6
Rplp0	2.87E-23	0.489	0.926	0.828	7.12E-19	6
Atp6v1h	2.97E-23	-0.688	0.203	0.489	7.39E-19	6
AB124611	3.72E-23	-0.538	0.037	0.259	9.24E-19	6
Rpl36a	3.79E-23	0.490	0.877	0.678	9.42E-19	6
Pdlim5	4.00E-23	-0.568	0.123	0.391	9.94E-19	6
Ormdl3	4.44E-23	0.754	0.306	0.151	1.10E-18	6
Vapa	5.15E-23	-0.604	0.358	0.638	1.28E-18	6
Chka	7.16E-23	-0.962	0.203	0.478	1.78E-18	6
Wls	8.96E-23	0.882	0.36	0.208	2.23E-18	6
Por	9.67E-23	-0.860	0.277	0.547	2.40E-18	6
Mcf2	1.01E-22	-0.575	0.054	0.285	2.50E-18	6
Pik3ca	1.17E-22	0.801	0.375	0.213	2.91E-18	6
Rrbp1	1.19E-22	-0.691	0.502	0.707	2.97E-18	6
Samd8	1.30E-22	-0.589	0.056	0.287	3.22E-18	6
Taldo1	1.30E-22	-0.839	0.333	0.597	3.23E-18	6
Lrrfip2	1.43E-22	-0.590	0.098	0.354	3.55E-18	6
Psip1	1.49E-22	0.659	0.38	0.207	3.71E-18	6
Ndel1	1.71E-22	-0.640	0.211	0.499	4.25E-18	6
Fam111a	1.92E-22	-0.711	0.054	0.281	4.76E-18	6
Dnase2a	1.93E-22	-0.453	0.037	0.26	4.78E-18	6
mt-Nd1	1.93E-22	-0.681	0.956	0.955	4.80E-18	6
Srrm2	2.00E-22	0.476	0.833	0.744	4.97E-18	6
Tpi1	2.02E-22	-0.860	0.341	0.587	5.03E-18	6
mt-Co2	2.23E-22	-0.611	1	0.994	5.54E-18	6
Zfp703	3.50E-22	-0.826	0.265	0.532	8.69E-18	6
Atp6v1g1	3.55E-22	-0.622	0.255	0.529	8.83E-18	6
Ywhag	3.88E-22	-0.623	0.287	0.562	9.64E-18	6
Sod2	3.98E-22	-0.963	0.267	0.547	9.88E-18	6
Irf5	4.33E-22	-0.502	0.051	0.277	1.07E-17	6
Lgals1	4.41E-22	0.558	0.897	0.692	1.09E-17	6
Clta	5.51E-22	-0.635	0.473	0.694	1.37E-17	6
mt-Co3	5.62E-22	-0.628	0.975	0.962	1.40E-17	6
Arhgap45	5.66E-22	0.600	0.574	0.416	1.41E-17	6
Wsb2	6.40E-22	-0.521	0.083	0.327	1.59E-17	6
H3f3a	6.99E-22	-0.466	0.961	0.932	1.74E-17	6
Ndufc1	7.43E-22	-0.446	0.108	0.361	1.85E-17	6
Fnip1	9.48E-22	-0.676	0.289	0.577	2.35E-17	6
Dirc2	1.15E-21	-0.535	0.069	0.3	2.86E-17	6
Cish	1.17E-21	0.654	0.38	0.208	2.90E-17	6
Aprt	1.20E-21	-0.473	0.115	0.371	2.99E-17	6
Metrl1	1.36E-21	-0.651	0.191	0.46	3.39E-17	6
Csnk1g3	1.71E-21	0.789	0.338	0.186	4.26E-17	6
Synj1	1.83E-21	-0.567	0.184	0.46	4.54E-17	6
Snx1	1.93E-21	-0.513	0.172	0.443	4.81E-17	6
Znhit1	1.95E-21	-0.386	0.083	0.329	4.84E-17	6



Cacul1	2.04E-21	-0.565	0.24	0.53	5.06E-17	6
Cyb5a	2.34E-21	0.757	0.529	0.388	5.81E-17	6
Sgk1	2.50E-21	-0.917	0.118	0.355	6.21E-17	6
Atrx	3.57E-21	0.754	0.61	0.482	8.87E-17	6
Cdk4	3.79E-21	-0.384	0.056	0.284	9.42E-17	6
Il6ra	3.98E-21	-0.533	0.14	0.402	9.90E-17	6
Ccdc117	4.07E-21	0.746	0.321	0.169	1.01E-16	6
Padi2	4.08E-21	0.618	0.26	0.116	1.01E-16	6
Cdk17	4.37E-21	0.584	0.353	0.189	1.08E-16	6
Naa50	4.57E-21	-0.604	0.267	0.541	1.13E-16	6
Ncl	4.69E-21	0.400	0.944	0.839	1.16E-16	6
Gpnmb	5.86E-21	-1.898	0.056	0.267	1.45E-16	6
Ppm1b	6.19E-21	0.680	0.375	0.221	1.54E-16	6
Mrps28	6.25E-21	-0.452	0.051	0.269	1.55E-16	6
Tut4	6.38E-21	0.810	0.436	0.273	1.58E-16	6
Mpp1	6.60E-21	-0.580	0.098	0.338	1.64E-16	6
Cd164	6.66E-21	0.592	0.75	0.623	1.65E-16	6
Map4k4	6.98E-21	-0.925	0.299	0.563	1.73E-16	6
Ppp1r12a	7.41E-21	0.750	0.659	0.551	1.84E-16	6
Rpl10	8.71E-21	-0.576	0.686	0.771	2.16E-16	6
Arl6ip5	8.93E-21	0.726	0.561	0.435	2.22E-16	6
Kif1c	9.11E-21	-0.555	0.15	0.405	2.26E-16	6
Rpl9-ps6	9.27E-21	0.532	0.814	0.7	2.30E-16	6
Sp140	9.91E-21	-0.818	0.145	0.388	2.46E-16	6
Rblcc1	1.00E-20	0.750	0.475	0.319	2.48E-16	6
Nfic	1.08E-20	-0.675	0.098	0.33	2.69E-16	6
Ccdc50	1.10E-20	-0.395	0.103	0.348	2.73E-16	6
Actg1	1.15E-20	0.361	1	0.966	2.87E-16	6
Abcg1	1.17E-20	-0.612	0.098	0.331	2.89E-16	6
Map3k8	1.45E-20	-0.671	0.054	0.265	3.61E-16	6
Sf3b1	1.55E-20	0.427	0.892	0.805	3.86E-16	6
Tnfrsf12a	1.60E-20	-0.622	0.047	0.258	3.96E-16	6
Fryl	1.64E-20	0.689	0.358	0.201	4.07E-16	6
Zfp52	1.64E-20	0.761	0.473	0.312	4.08E-16	6
Vasp	1.66E-20	0.434	0.75	0.638	4.12E-16	6
Cast	1.81E-20	0.696	0.547	0.42	4.50E-16	6
Arhgef1	1.83E-20	0.602	0.478	0.322	4.55E-16	6
Ppp1r15a	1.98E-20	-1.020	0.373	0.629	4.91E-16	6
Phlpp1	2.49E-20	0.774	0.355	0.204	6.17E-16	6
Atpif1	2.62E-20	-0.606	0.25	0.5	6.51E-16	6
Soat1	2.65E-20	-0.686	0.228	0.484	6.57E-16	6
Psmb6	3.23E-20	-0.594	0.24	0.506	8.02E-16	6
Pym1	3.25E-20	0.694	0.338	0.191	8.08E-16	6
Fbl	3.56E-20	-0.404	0.069	0.293	8.85E-16	6
Arrdc4	3.66E-20	-0.712	0.049	0.255	9.09E-16	6
Lasp1	3.77E-20	-0.815	0.392	0.657	9.35E-16	6

Etv6	3.91E-20	-0.426	0.088	0.324	9.72E-16	6
Rps15	4.96E-20	0.392	0.936	0.808	1.23E-15	6
Ncoa2	5.14E-20	0.579	0.363	0.204	1.28E-15	6
Selenot	6.85E-20	0.639	0.583	0.467	1.70E-15	6
Atp6v1e1	6.92E-20	-0.680	0.35	0.621	1.72E-15	6
Rps5	7.17E-20	0.413	0.926	0.794	1.78E-15	6
N4bp1	7.56E-20	0.724	0.596	0.46	1.88E-15	6
Vav3	8.15E-20	-0.421	0.056	0.271	2.02E-15	6
Rassf2	9.08E-20	-0.458	0.066	0.283	2.26E-15	6
Atxn7	1.03E-19	0.726	0.377	0.22	2.57E-15	6
Nfatc1	1.22E-19	0.781	0.368	0.214	3.03E-15	6
Gnaq	1.27E-19	-0.509	0.088	0.315	3.16E-15	6
Nfkb1	1.39E-19	0.616	0.745	0.635	3.46E-15	6
Prr13	1.41E-19	0.523	0.676	0.559	3.51E-15	6
Fam214b	1.72E-19	-0.524	0.1	0.329	4.27E-15	6
7-Sep	1.85E-19	0.540	0.703	0.607	4.60E-15	6
Neu1	2.10E-19	-0.499	0.088	0.316	5.22E-15	6
Nr4a3	2.19E-19	0.400	0.674	0.478	5.44E-15	6
Vdac1	2.19E-19	-0.618	0.245	0.502	5.44E-15	6
Dpp7	2.22E-19	-0.487	0.047	0.25	5.52E-15	6
Ezr	2.48E-19	0.503	0.824	0.704	6.16E-15	6
Gabarapl2	2.57E-19	0.644	0.547	0.433	6.39E-15	6
Sp3	2.61E-19	0.659	0.52	0.389	6.48E-15	6
Ttyh3	2.70E-19	-0.459	0.105	0.342	6.72E-15	6
Trappc2l	2.72E-19	-0.327	0.081	0.307	6.76E-15	6
Rap1b	2.95E-19	0.449	0.941	0.846	7.33E-15	6
Rpl23	3.28E-19	0.340	0.988	0.912	8.14E-15	6
Retreg1	3.57E-19	0.618	0.385	0.228	8.86E-15	6
Colgalt1	3.79E-19	-0.367	0.083	0.308	9.42E-15	6
Riok3	3.92E-19	-0.604	0.299	0.571	9.75E-15	6
Rps18	4.20E-19	0.419	0.873	0.703	1.04E-14	6
Rpl3	4.86E-19	0.430	0.88	0.725	1.21E-14	6
Orai1	4.90E-19	0.712	0.522	0.38	1.22E-14	6
Trnt1	5.46E-19	0.703	0.319	0.176	1.36E-14	6
Rack1	5.49E-19	0.447	0.895	0.752	1.36E-14	6
Cd44	5.75E-19	-0.793	0.674	0.817	1.43E-14	6
Arf2	5.87E-19	-0.421	0.078	0.296	1.46E-14	6
Ifi47	6.11E-19	1.048	0.39	0.233	1.52E-14	6
Mfsd1	6.14E-19	-0.587	0.194	0.437	1.53E-14	6
Csnk1a1	6.27E-19	0.548	0.73	0.637	1.56E-14	6
Rassf1	8.09E-19	-0.534	0.186	0.443	2.01E-14	6
Lbr	8.36E-19	0.482	0.429	0.261	2.08E-14	6
Nsa2	8.93E-19	0.590	0.703	0.61	2.22E-14	6
G3bp2	9.36E-19	0.703	0.542	0.419	2.32E-14	6
Pnp	9.66E-19	-0.663	0.301	0.561	2.40E-14	6
Rps20	1.00E-18	0.412	0.966	0.84	2.50E-14	6

Igsf8	1.01E-18	-0.392	0.056	0.262	2.51E-14	6
Phc3	1.04E-18	0.657	0.262	0.129	2.59E-14	6
Ccrl2	1.15E-18	-1.351	0.255	0.487	2.85E-14	6
Irak2	1.18E-18	-0.751	0.23	0.486	2.93E-14	6
Bzw1	1.19E-18	0.552	0.725	0.637	2.95E-14	6
Kif5b	1.45E-18	0.598	0.718	0.624	3.60E-14	6
Slc2a1	1.49E-18	-0.848	0.252	0.495	3.70E-14	6
Uck2	1.74E-18	-0.755	0.206	0.44	4.33E-14	6
Atp5g1	2.04E-18	-0.551	0.282	0.531	5.06E-14	6
Rpl19	2.23E-18	0.433	0.877	0.767	5.53E-14	6
Mapk6	2.34E-18	-0.604	0.306	0.58	5.80E-14	6
Bnip3l	2.56E-18	0.597	0.569	0.434	6.35E-14	6
Mxd1	3.29E-18	0.489	0.784	0.688	8.17E-14	6
Ifrd1	3.33E-18	-0.874	0.77	0.869	8.27E-14	6
Med13l	3.39E-18	-0.529	0.189	0.442	8.42E-14	6
Smc4	3.88E-18	0.729	0.512	0.367	9.65E-14	6
Bst2	4.18E-18	-0.526	0.137	0.371	1.04E-13	6
Arl2bp	4.32E-18	0.591	0.404	0.262	1.07E-13	6
Cd81	4.88E-18	0.635	0.4	0.231	1.21E-13	6
Uap1	5.01E-18	0.810	0.466	0.331	1.24E-13	6
Actn1	5.83E-18	-0.967	0.071	0.265	1.45E-13	6
Klhl24	5.97E-18	0.667	0.365	0.218	1.48E-13	6
Dusp11	6.12E-18	0.621	0.63	0.552	1.52E-13	6
Irf8	6.63E-18	-0.753	0.194	0.432	1.65E-13	6
Elmsan1	7.01E-18	-0.617	0.098	0.309	1.74E-13	6
Vim	7.05E-18	-0.847	0.907	0.864	1.75E-13	6
Ythdc1	7.84E-18	0.686	0.588	0.494	1.95E-13	6
Gng12	8.58E-18	-0.522	0.108	0.325	2.13E-13	6
Fkbp2	9.72E-18	-0.352	0.118	0.346	2.41E-13	6
Pdcd1lg2	9.89E-18	0.523	0.287	0.144	2.46E-13	6
Arpc1b	1.08E-17	-0.442	0.806	0.837	2.69E-13	6
Eif3e	1.16E-17	0.521	0.676	0.566	2.88E-13	6
Fkbp3	1.30E-17	0.763	0.387	0.257	3.22E-13	6
Eno1b	1.49E-17	-0.516	0.167	0.403	3.70E-13	6
P2rx4	1.54E-17	-0.397	0.069	0.273	3.81E-13	6
Entpd7	1.55E-17	-0.519	0.093	0.3	3.84E-13	6
Ulk1	1.59E-17	0.712	0.338	0.196	3.94E-13	6
Rpl37	1.88E-17	0.374	0.961	0.841	4.68E-13	6
Kctd12	1.92E-17	-0.869	0.39	0.615	4.77E-13	6
Ifi27l2a	2.12E-17	0.549	0.691	0.519	5.26E-13	6
4932438A13Rik	2.32E-17	0.600	0.444	0.297	5.76E-13	6
Ell	2.32E-17	-0.514	0.061	0.254	5.77E-13	6
Sod1	2.39E-17	0.442	0.809	0.7	5.93E-13	6
Entpd1	2.46E-17	-0.753	0.135	0.351	6.12E-13	6
Eif4g2	2.48E-17	0.403	0.848	0.746	6.15E-13	6
Ncor1	2.64E-17	0.589	0.581	0.481	6.57E-13	6

Rhog	3.11E-17	0.456	0.853	0.789	7.72E-13	6
Tnfrsf1b	3.27E-17	0.540	0.659	0.557	8.11E-13	6
Ap2a2	3.41E-17	-0.374	0.081	0.287	8.47E-13	6
Washc2	3.46E-17	-0.509	0.142	0.372	8.59E-13	6
Capza1	3.62E-17	0.527	0.701	0.621	8.99E-13	6
Ramp3	3.85E-17	0.587	0.407	0.235	9.57E-13	6
Ptpn12	3.99E-17	-0.449	0.066	0.264	9.92E-13	6
Serbp1	4.65E-17	0.409	0.868	0.742	1.16E-12	6
Ccl8	4.74E-17	-2.925	0.071	0.252	1.18E-12	6
Mapk3	4.88E-17	-0.439	0.14	0.365	1.21E-12	6
Dusp1	4.97E-17	-1.293	0.588	0.747	1.23E-12	6
Mif	5.22E-17	-0.718	0.333	0.546	1.30E-12	6
Coro1c	5.35E-17	-0.464	0.221	0.473	1.33E-12	6
Mcm6	5.50E-17	0.630	0.306	0.167	1.37E-12	6
Stx12	5.57E-17	-0.282	0.081	0.291	1.38E-12	6
Rammet	5.85E-17	0.624	0.463	0.347	1.45E-12	6
Gpr132	6.80E-17	0.347	0.723	0.564	1.69E-12	6
Rhoq	7.09E-17	-0.452	0.098	0.31	1.76E-12	6
Hspa1a	7.38E-17	-1.226	0.387	0.605	1.83E-12	6
Naga	7.91E-17	-0.441	0.069	0.265	1.97E-12	6
Irf2bp2	8.12E-17	-0.623	0.297	0.54	2.02E-12	6
Macf1	9.62E-17	0.585	0.554	0.433	2.39E-12	6
Apaf1	9.76E-17	0.684	0.417	0.284	2.43E-12	6
Map7d1	1.01E-16	-0.480	0.27	0.528	2.52E-12	6
Azin1	1.07E-16	-0.664	0.365	0.618	2.67E-12	6
Itpr12	1.09E-16	-0.364	0.076	0.275	2.71E-12	6
Ikzf1	1.12E-16	0.556	0.417	0.274	2.77E-12	6
Trim8	1.12E-16	-0.405	0.115	0.331	2.79E-12	6
Malat1	1.13E-16	-1.647	0.946	0.965	2.80E-12	6
Hmgn1	1.14E-16	-0.444	0.123	0.339	2.82E-12	6
Stard4	1.23E-16	0.623	0.304	0.169	3.05E-12	6
Bag3	1.58E-16	-0.541	0.211	0.445	3.92E-12	6
Rpl21	1.66E-16	0.419	0.907	0.761	4.12E-12	6
Rragc	1.79E-16	-0.460	0.252	0.512	4.45E-12	6
Gm10073	1.80E-16	0.474	0.775	0.674	4.47E-12	6
Mxi1	2.07E-16	0.712	0.564	0.449	5.13E-12	6
Notch2	2.20E-16	-0.551	0.15	0.375	5.45E-12	6
Sema4d	2.50E-16	0.272	0.593	0.422	6.22E-12	6
Gde1	2.52E-16	-0.563	0.118	0.323	6.26E-12	6
Cic	2.71E-16	-0.366	0.076	0.272	6.73E-12	6
Osbpl8	2.80E-16	-0.660	0.301	0.534	6.95E-12	6
Rps12	2.85E-16	0.363	0.993	0.9	7.08E-12	6
Jmy	2.92E-16	0.605	0.341	0.198	7.26E-12	6
Rpl27a	2.99E-16	0.335	0.973	0.851	7.43E-12	6
Wsb1	3.11E-16	-0.630	0.387	0.636	7.72E-12	6
Fgl2	3.20E-16	0.767	0.542	0.411	7.96E-12	6

Ube2h	3.38E-16	0.589	0.525	0.409	8.38E-12	6
Morf4l1	3.40E-16	0.409	0.9	0.808	8.44E-12	6
Trafd1	3.53E-16	-0.402	0.132	0.353	8.77E-12	6
Tmsb10	3.87E-16	0.305	0.944	0.818	9.60E-12	6
Slc25a51	3.90E-16	0.770	0.439	0.327	9.68E-12	6
Baiap2	4.18E-16	-0.452	0.088	0.287	1.04E-11	6
Clcn3	4.71E-16	0.763	0.316	0.188	1.17E-11	6
Dtx3l	4.75E-16	0.781	0.377	0.247	1.18E-11	6
Gadd45b	5.25E-16	-1.036	0.37	0.586	1.30E-11	6
Abhd12	5.34E-16	-0.428	0.105	0.305	1.33E-11	6
Rps16	5.59E-16	0.338	0.988	0.853	1.39E-11	6
Zfp292	6.24E-16	0.625	0.412	0.268	1.55E-11	6
Ywhab	6.70E-16	0.463	0.779	0.668	1.66E-11	6
Hspa5	6.91E-16	-0.524	0.99	0.955	1.72E-11	6
mt-Nd4	7.39E-16	-0.616	0.99	0.962	1.84E-11	6
Sertad1	7.82E-16	-0.445	0.127	0.342	1.94E-11	6
mt-Nd3	7.84E-16	-0.675	0.767	0.854	1.95E-11	6
Mgea5	8.08E-16	0.577	0.532	0.414	2.01E-11	6
Arid4b	8.15E-16	0.549	0.652	0.542	2.02E-11	6
Fuca2	8.79E-16	-0.381	0.081	0.273	2.18E-11	6
Ghitm	8.80E-16	0.485	0.676	0.582	2.19E-11	6
Senp6	9.02E-16	0.651	0.49	0.375	2.24E-11	6
Sptbn1	9.03E-16	0.590	0.343	0.211	2.24E-11	6
mt-Atp6	9.03E-16	-0.584	1	0.983	2.24E-11	6
Snx5	9.34E-16	-0.647	0.422	0.612	2.32E-11	6
Rps29	9.51E-16	-0.314	0.968	0.926	2.36E-11	6
Txnrd1	1.05E-15	-0.577	0.211	0.439	2.62E-11	6
Ubxn7	1.11E-15	0.582	0.311	0.18	2.76E-11	6
Lamtor1	1.16E-15	-0.359	0.118	0.332	2.89E-11	6
Lpp	1.28E-15	-0.381	0.069	0.252	3.18E-11	6
Cpeb4	1.46E-15	-0.585	0.191	0.418	3.63E-11	6
Cep120	1.47E-15	0.712	0.289	0.167	3.65E-11	6
Sra1	1.51E-15	-0.550	0.23	0.472	3.74E-11	6
Tax1bp1	1.54E-15	0.496	0.801	0.729	3.82E-11	6
Itga4	1.62E-15	-0.628	0.11	0.309	4.01E-11	6
Ubl3	1.71E-15	0.579	0.701	0.616	4.24E-11	6
Samhd1	2.01E-15	0.759	0.723	0.632	5.00E-11	6
Rpl32	2.03E-15	0.388	0.922	0.799	5.04E-11	6
Ap3d1	2.08E-15	-0.400	0.174	0.403	5.18E-11	6
Camta2	2.16E-15	-0.384	0.071	0.257	5.37E-11	6
Rpl10-ps3	2.28E-15	-0.437	0.375	0.625	5.65E-11	6
Eif4ebp2	2.38E-15	0.678	0.532	0.442	5.91E-11	6
Nsf	2.38E-15	-0.310	0.1	0.305	5.92E-11	6
Rilpl2	2.89E-15	-0.689	0.424	0.628	7.18E-11	6
Pgap2	3.13E-15	-0.258	0.081	0.273	7.77E-11	6
Snx30	3.16E-15	-0.303	0.078	0.269	7.85E-11	6

Abhd2	3.48E-15	0.614	0.319	0.191	8.64E-11	6
Pi4k2a	4.14E-15	-0.390	0.145	0.361	1.03E-10	6
Ppt1	4.42E-15	-0.522	0.137	0.342	1.10E-10	6
Akt1	4.87E-15	-0.444	0.218	0.456	1.21E-10	6
Cd80	4.90E-15	-0.564	0.083	0.264	1.22E-10	6
Pgd	4.97E-15	-0.435	0.213	0.445	1.23E-10	6
Nup62	5.00E-15	-0.329	0.12	0.331	1.24E-10	6
Acap2	5.30E-15	-0.450	0.164	0.389	1.32E-10	6
Pde4b	6.13E-15	-0.657	0.355	0.576	1.52E-10	6
Rpl22	6.28E-15	0.497	0.772	0.678	1.56E-10	6
St3gal1	6.34E-15	-0.480	0.255	0.487	1.58E-10	6
Rnf145	6.48E-15	0.597	0.319	0.197	1.61E-10	6
Txn1	6.52E-15	-0.598	0.819	0.832	1.62E-10	6
Atg3	7.24E-15	-0.337	0.125	0.331	1.80E-10	6
Dbi	7.38E-15	-0.552	0.375	0.577	1.83E-10	6
Rgcc	8.36E-15	-0.722	0.191	0.394	2.08E-10	6
Fbxo30	8.75E-15	-0.382	0.071	0.25	2.17E-10	6
Bnip3	8.99E-15	-0.813	0.127	0.311	2.23E-10	6
Rpl18	9.79E-15	0.375	0.887	0.769	2.43E-10	6
Cyba	1.11E-14	-0.529	0.586	0.699	2.75E-10	6
Camk1d	1.18E-14	-0.389	0.076	0.255	2.92E-10	6
Myl12a	1.30E-14	0.504	0.684	0.616	3.23E-10	6
Slc9a3r1	1.35E-14	0.639	0.551	0.462	3.35E-10	6
Mllt6	1.39E-14	0.529	0.402	0.265	3.45E-10	6
Rad23a	1.41E-14	-0.339	0.105	0.3	3.51E-10	6
Tcn2	1.43E-14	-0.385	0.108	0.3	3.54E-10	6
Snx9	1.49E-14	0.599	0.551	0.443	3.71E-10	6
Spag7	1.59E-14	-0.294	0.086	0.274	3.96E-10	6
Vps35	1.83E-14	-0.349	0.213	0.448	4.55E-10	6
Pld3	2.11E-14	0.350	0.564	0.405	5.23E-10	6
Ak2	2.24E-14	-0.382	0.208	0.439	5.57E-10	6
Magt1	2.25E-14	-0.417	0.196	0.414	5.60E-10	6
Paf1	2.56E-14	-0.432	0.14	0.347	6.37E-10	6
Dhx9	2.69E-14	0.638	0.544	0.458	6.68E-10	6
Fuca1	2.77E-14	-0.282	0.123	0.329	6.89E-10	6
Iscu	2.82E-14	-0.401	0.125	0.326	7.01E-10	6
Il10ra	3.40E-14	-0.435	0.098	0.282	8.44E-10	6
Csnk1e	3.61E-14	-0.419	0.11	0.305	8.96E-10	6
Klf10	3.74E-14	-0.440	0.103	0.288	9.29E-10	6
Ndufa1	3.78E-14	0.462	0.662	0.578	9.39E-10	6
Eif5	3.80E-14	-0.497	0.735	0.869	9.44E-10	6
Ccng1	4.28E-14	0.628	0.417	0.303	1.06E-09	6
Cir1	4.29E-14	0.565	0.316	0.195	1.07E-09	6
Ext1	4.83E-14	-0.355	0.093	0.275	1.20E-09	6
Rps9	4.90E-14	0.273	0.985	0.911	1.22E-09	6
Emb	5.45E-14	1.045	0.598	0.538	1.35E-09	6

Heca	5.71E-14	0.509	0.275	0.153	1.42E-09	6
Actb	6.51E-14	-0.434	1	0.99	1.62E-09	6
Purb	6.77E-14	0.540	0.596	0.517	1.68E-09	6
Ugcg	7.28E-14	-0.609	0.292	0.508	1.81E-09	6
Ppp4r3b	8.13E-14	0.592	0.544	0.454	2.02E-09	6
Hccs	8.73E-14	0.830	0.397	0.292	2.17E-09	6
Nampt	9.39E-14	-0.424	0.333	0.573	2.33E-09	6
Def6	1.04E-13	0.529	0.282	0.161	2.58E-09	6
Dock2	1.10E-13	0.529	0.468	0.365	2.74E-09	6
Rtn4	1.15E-13	-0.460	0.449	0.638	2.87E-09	6
Zdhhc20	1.20E-13	0.641	0.407	0.298	2.97E-09	6
Xist	1.22E-13	0.292	0.88	0.803	3.02E-09	6
Rars	1.23E-13	-0.498	0.238	0.456	3.06E-09	6
Ankrd11	1.24E-13	0.487	0.632	0.549	3.08E-09	6
Gnpd1	1.31E-13	-0.282	0.093	0.276	3.24E-09	6
Ralgds	1.42E-13	-0.418	0.093	0.271	3.52E-09	6
Snhg9	1.45E-13	-0.452	0.11	0.295	3.60E-09	6
Tap1	1.51E-13	0.648	0.449	0.342	3.74E-09	6
Rpl11	1.52E-13	0.368	0.88	0.773	3.78E-09	6
Tacc1	1.56E-13	0.613	0.488	0.396	3.89E-09	6
Hpcal1	1.65E-13	-0.323	0.238	0.473	4.11E-09	6
Stk24	1.70E-13	0.559	0.549	0.467	4.22E-09	6
Zfp36l2	1.71E-13	0.357	0.882	0.764	4.24E-09	6
Dek	1.96E-13	0.435	0.701	0.594	4.88E-09	6
Gsto1	2.14E-13	-0.394	0.179	0.393	5.32E-09	6
Gsr	2.47E-13	-0.853	0.115	0.287	6.14E-09	6
Arhgdib	2.62E-13	0.492	0.762	0.67	6.51E-09	6
Cpeb2	2.67E-13	-0.423	0.105	0.287	6.63E-09	6
Pbdc1	3.35E-13	-0.347	0.11	0.295	8.31E-09	6
Uba1	3.37E-13	0.531	0.596	0.528	8.37E-09	6
Myo1f	3.38E-13	-0.331	0.13	0.326	8.39E-09	6
Rala	3.47E-13	-0.347	0.213	0.432	8.61E-09	6
Ssb	3.78E-13	0.430	0.701	0.629	9.38E-09	6
Dnajc1	3.90E-13	0.627	0.331	0.216	9.69E-09	6
Plpbbp	4.42E-13	-0.370	0.123	0.31	1.10E-08	6
Cmtm7	4.59E-13	0.661	0.498	0.409	1.14E-08	6
Gadd45a	4.67E-13	-1.240	0.115	0.283	1.16E-08	6
Anxa11	4.69E-13	0.458	0.605	0.528	1.16E-08	6
Kdm6b	5.15E-13	-0.574	0.618	0.823	1.28E-08	6
Faim	5.21E-13	0.701	0.262	0.155	1.29E-08	6
Syf2	5.28E-13	0.459	0.61	0.556	1.31E-08	6
Eaf1	5.36E-13	-0.344	0.191	0.402	1.33E-08	6
Usp14	5.55E-13	-0.252	0.115	0.305	1.38E-08	6
Ppp1ca	5.75E-13	0.428	0.716	0.606	1.43E-08	6
Ubap1	5.81E-13	-0.491	0.105	0.28	1.44E-08	6
Sfr1	6.07E-13	0.511	0.674	0.596	1.51E-08	6

Tmpo	6.32E-13	0.601	0.412	0.291	1.57E-08	6
Kmt5a	9.78E-13	-0.360	0.233	0.46	2.43E-08	6
Rab5c	9.91E-13	-0.427	0.412	0.618	2.46E-08	6
Cdc42se2	1.16E-12	0.658	0.422	0.329	2.88E-08	6
Stx4a	1.19E-12	-0.279	0.132	0.324	2.94E-08	6
Tmem50a	1.19E-12	0.501	0.623	0.551	2.97E-08	6
Tet3	1.21E-12	-0.423	0.15	0.341	3.00E-08	6
Cxcr4	1.26E-12	0.617	0.797	0.734	3.14E-08	6
Nisch	1.30E-12	-0.452	0.206	0.419	3.23E-08	6
Atp6v0d1	1.42E-12	-0.419	0.311	0.538	3.52E-08	6
Sptan1	1.48E-12	0.391	0.657	0.582	3.69E-08	6
2010111I01Rik	1.53E-12	0.640	0.343	0.231	3.80E-08	6
Gmfg	1.54E-12	0.470	0.498	0.393	3.82E-08	6
Bin1	1.57E-12	-0.284	0.123	0.303	3.90E-08	6
Tiprl	1.60E-12	0.607	0.426	0.329	3.97E-08	6
Khdrbs1	1.97E-12	0.627	0.488	0.411	4.89E-08	6
Samd4b	2.08E-12	-0.338	0.164	0.361	5.16E-08	6
Hsph1	2.34E-12	0.467	0.551	0.44	5.82E-08	6
Tex2	2.60E-12	0.660	0.309	0.201	6.45E-08	6
Ipo5	2.60E-12	-0.254	0.091	0.258	6.45E-08	6
Srebf2	2.66E-12	0.557	0.527	0.436	6.60E-08	6
Ppp1cb	2.74E-12	0.486	0.505	0.424	6.80E-08	6
Chd2	2.79E-12	0.527	0.52	0.42	6.92E-08	6
Son	3.06E-12	0.360	0.816	0.761	7.59E-08	6
Hmgb1	3.65E-12	0.285	0.73	0.631	9.06E-08	6
Nfkbib	4.19E-12	-0.431	0.311	0.536	1.04E-07	6
Lnpep	4.63E-12	0.497	0.539	0.457	1.15E-07	6
Fndc3a	4.99E-12	-0.399	0.137	0.318	1.24E-07	6
Abr	5.18E-12	-0.407	0.113	0.285	1.29E-07	6
Flcn	5.70E-12	-0.494	0.328	0.548	1.41E-07	6
Srsf3	6.02E-12	-0.452	0.363	0.581	1.50E-07	6
Serf2	6.35E-12	-0.395	0.493	0.677	1.58E-07	6
Spg21	6.91E-12	-0.254	0.184	0.39	1.72E-07	6
Ddx6	6.93E-12	0.362	0.777	0.689	1.72E-07	6
Gng5	7.25E-12	-0.448	0.502	0.682	1.80E-07	6
Fbxl3	7.42E-12	0.559	0.365	0.262	1.84E-07	6
Fam102a	7.47E-12	0.320	0.275	0.155	1.86E-07	6
Dot1l	7.51E-12	-0.404	0.255	0.466	1.87E-07	6
Tollip	7.99E-12	-0.297	0.12	0.298	1.98E-07	6
Kdm5a	8.18E-12	0.582	0.36	0.252	2.03E-07	6
Dusp5	9.08E-12	0.297	0.838	0.761	2.26E-07	6
Noct	9.51E-12	-0.683	0.206	0.387	2.36E-07	6
Abracl	1.05E-11	0.480	0.596	0.544	2.61E-07	6
Btg1	1.08E-11	0.284	0.941	0.923	2.69E-07	6
Lactb	1.10E-11	-0.356	0.135	0.314	2.74E-07	6
Psmb10	1.15E-11	-0.278	0.152	0.34	2.85E-07	6



Tuba4a	1.16E-11	-0.363	0.127	0.303	2.87E-07	6
Tprgl	1.19E-11	0.568	0.392	0.3	2.96E-07	6
Arl8b	1.23E-11	-0.392	0.324	0.545	3.07E-07	6
Agpat4	1.35E-11	-0.438	0.174	0.36	3.36E-07	6
Arhgap17	1.43E-11	-0.272	0.145	0.331	3.55E-07	6
Chd4	1.45E-11	0.476	0.701	0.658	3.59E-07	6
Snx6	1.45E-11	-0.370	0.179	0.365	3.61E-07	6
Ctnna1	1.57E-11	-0.441	0.23	0.428	3.91E-07	6
Ik	1.58E-11	-0.438	0.385	0.593	3.92E-07	6
Zfand5	1.62E-11	-0.667	0.547	0.693	4.02E-07	6
Nono	1.62E-11	0.466	0.576	0.501	4.03E-07	6
Furin	1.63E-11	-0.417	0.346	0.559	4.05E-07	6
Chmp4b	1.80E-11	-0.401	0.596	0.748	4.47E-07	6
Rmnd5a	1.85E-11	0.534	0.392	0.296	4.60E-07	6
Tap2	1.92E-11	0.558	0.373	0.272	4.78E-07	6
Serinc1	1.96E-11	0.562	0.517	0.456	4.88E-07	6
Top2b	2.18E-11	0.609	0.355	0.257	5.43E-07	6
Ap2s1	2.27E-11	-0.301	0.184	0.381	5.65E-07	6
Rps27l	2.34E-11	-0.446	0.284	0.483	5.82E-07	6
Tet2	2.44E-11	-0.429	0.179	0.367	6.07E-07	6
Nus1	2.45E-11	-0.290	0.238	0.444	6.08E-07	6
Zfp106	2.45E-11	-0.274	0.147	0.333	6.09E-07	6
Stt3b	2.73E-11	-0.253	0.157	0.346	6.77E-07	6
Tmem14c	2.89E-11	-0.309	0.267	0.484	7.18E-07	6
Slc43a2	2.92E-11	-0.309	0.1	0.258	7.26E-07	6
Arhgef2	2.97E-11	-0.292	0.162	0.35	7.39E-07	6
Sbno1	2.98E-11	0.558	0.556	0.5	7.41E-07	6
Scamp2	3.43E-11	-0.289	0.201	0.399	8.51E-07	6
Ndrp1	3.48E-11	0.421	0.559	0.443	8.64E-07	6
Hyou1	3.58E-11	-0.258	0.14	0.319	8.89E-07	6
Mia2	3.60E-11	0.557	0.542	0.48	8.93E-07	6
Rbm33	4.78E-11	0.616	0.316	0.216	1.19E-06	6
Idi1	4.85E-11	0.529	0.35	0.235	1.20E-06	6
Grina	5.26E-11	-0.928	0.309	0.502	1.31E-06	6
6-Sep	5.73E-11	0.509	0.301	0.189	1.42E-06	6
Hsd17b11	5.76E-11	-0.361	0.189	0.378	1.43E-06	6
Nmt1	6.35E-11	-0.270	0.225	0.433	1.58E-06	6
Chmp1b	6.54E-11	0.561	0.355	0.263	1.62E-06	6
Ahnak	6.56E-11	-0.673	0.748	0.781	1.63E-06	6
Stat5a	6.61E-11	0.545	0.27	0.164	1.64E-06	6
Slc15a3	6.81E-11	-0.470	0.309	0.508	1.69E-06	6
Scarb2	8.10E-11	-0.286	0.181	0.366	2.01E-06	6
Madd	8.36E-11	0.488	0.284	0.181	2.08E-06	6
Lin54	8.50E-11	0.704	0.333	0.236	2.11E-06	6
Cd84	9.75E-11	-0.490	0.179	0.346	2.42E-06	6
Tcp1l12	9.96E-11	0.486	0.404	0.294	2.47E-06	6

Bclaf3	1.01E-10	0.659	0.272	0.17	2.50E-06	6
Msn	1.13E-10	0.303	0.838	0.736	2.81E-06	6
Nfkbia	1.23E-10	-1.125	0.723	0.829	3.06E-06	6
Nap1l1	1.26E-10	0.254	0.755	0.621	3.14E-06	6
Fam133b	1.42E-10	0.522	0.446	0.354	3.52E-06	6
Hmgn5	1.45E-10	0.533	0.375	0.27	3.61E-06	6
Bax	1.52E-10	-0.291	0.321	0.539	3.77E-06	6
Slfn5	1.52E-10	-0.481	0.157	0.325	3.78E-06	6
Ccn1	1.59E-10	-0.619	0.694	0.829	3.95E-06	6
1700017B05Rik	1.68E-10	-0.579	0.243	0.429	4.17E-06	6
Tkt	1.74E-10	-0.358	0.289	0.489	4.31E-06	6
Fli1	1.88E-10	0.640	0.36	0.269	4.68E-06	6
Selenow	1.95E-10	0.404	0.691	0.625	4.85E-06	6
Polr1d	2.01E-10	0.464	0.625	0.596	5.00E-06	6
Stk11	2.12E-10	0.518	0.397	0.306	5.27E-06	6
Brd4	2.29E-10	0.376	0.669	0.63	5.70E-06	6
Dnmt3a	2.46E-10	-0.414	0.123	0.276	6.11E-06	6
Crebrf	2.62E-10	0.581	0.311	0.21	6.51E-06	6
Rab5a	2.65E-10	0.461	0.49	0.419	6.59E-06	6
Eprs	2.81E-10	0.838	0.483	0.413	6.98E-06	6
Map2k1	2.91E-10	-0.291	0.245	0.453	7.22E-06	6
Ensa	3.02E-10	-0.255	0.216	0.418	7.50E-06	6
Hcls1	3.05E-10	0.505	0.6	0.556	7.57E-06	6
Cers2	3.10E-10	-0.360	0.306	0.515	7.71E-06	6
Gch1	3.18E-10	-0.305	0.115	0.272	7.89E-06	6
Slc39a1	3.43E-10	-0.276	0.228	0.426	8.52E-06	6
Ppp4r3a	3.45E-10	0.488	0.453	0.371	8.58E-06	6
Hmgn2	3.54E-10	-0.321	0.137	0.297	8.78E-06	6
Cotl1	3.64E-10	0.297	0.762	0.688	9.05E-06	6
Lcp2	3.77E-10	0.434	0.382	0.281	9.36E-06	6
Impact	3.81E-10	-0.378	0.191	0.371	9.46E-06	6
Nme1	3.99E-10	-0.325	0.24	0.431	9.92E-06	6
Chordc1	4.00E-10	0.557	0.407	0.33	9.92E-06	6
Tnip1	4.35E-10	0.512	0.314	0.211	1.08E-05	6
Rbx1	4.66E-10	-0.344	0.343	0.544	1.16E-05	6
Traf3	4.83E-10	0.535	0.353	0.254	1.20E-05	6
Hist1h2bc	5.00E-10	-0.395	0.147	0.308	1.24E-05	6
Ccng2	5.10E-10	0.450	0.272	0.173	1.27E-05	6
Fgfr1op2	5.88E-10	0.630	0.441	0.376	1.46E-05	6
Prpf40a	5.90E-10	0.398	0.645	0.596	1.47E-05	6
Bzw2	6.22E-10	0.547	0.333	0.242	1.54E-05	6
Cdk6	6.58E-10	0.610	0.316	0.22	1.63E-05	6
Golph3	6.99E-10	0.463	0.522	0.466	1.74E-05	6
Stk40	7.43E-10	-0.335	0.164	0.334	1.85E-05	6
Nab1	9.46E-10	0.452	0.505	0.429	2.35E-05	6
Cisd2	9.77E-10	0.532	0.471	0.408	2.43E-05	6

Klf7	1.03E-09	-0.373	0.137	0.294	2.56E-05	6
Tmed10	1.03E-09	-0.354	0.429	0.6	2.57E-05	6
Nipbl	1.05E-09	0.524	0.532	0.47	2.62E-05	6
Phf20l1	1.09E-09	0.485	0.365	0.271	2.72E-05	6
Vps26a	1.10E-09	-0.289	0.223	0.412	2.74E-05	6
Banf1	1.14E-09	-0.257	0.24	0.431	2.84E-05	6
H2afj	1.16E-09	-0.285	0.211	0.399	2.89E-05	6
Hnrnpl	1.26E-09	0.382	0.694	0.657	3.14E-05	6
Psm8	1.30E-09	-0.355	0.319	0.521	3.23E-05	6
Nlrc5	1.30E-09	0.451	0.257	0.161	3.24E-05	6
Arf5	1.36E-09	0.361	0.662	0.618	3.39E-05	6
Irf2bp1	1.38E-09	0.663	0.417	0.328	3.42E-05	6
Rac1	1.53E-09	0.370	0.843	0.743	3.80E-05	6
Drap1	1.54E-09	-0.273	0.25	0.46	3.82E-05	6
Hnrnpull1	1.55E-09	0.457	0.581	0.528	3.85E-05	6
Snrpe	1.56E-09	0.358	0.623	0.571	3.88E-05	6
Atp6v1d	1.71E-09	-0.326	0.314	0.51	4.26E-05	6
Scyl2	1.71E-09	0.585	0.341	0.255	4.26E-05	6
Hbs1l	1.72E-09	0.557	0.326	0.236	4.27E-05	6
Cyfp1	1.81E-09	-0.295	0.196	0.374	4.49E-05	6
Ogt	1.86E-09	0.430	0.324	0.224	4.63E-05	6
Kansl1	1.92E-09	0.480	0.449	0.376	4.77E-05	6
Rpl22l1	1.92E-09	0.409	0.596	0.549	4.78E-05	6
Eif1a	2.01E-09	-0.321	0.321	0.522	5.00E-05	6
Arrb2	2.10E-09	-0.265	0.211	0.398	5.21E-05	6
Gfpt1	2.40E-09	-0.421	0.24	0.414	5.95E-05	6
Tes	2.53E-09	0.394	0.603	0.529	6.28E-05	6
Glpr1	2.56E-09	0.594	0.431	0.349	6.37E-05	6
Eif5a	2.63E-09	-0.377	0.814	0.823	6.54E-05	6
Npc2	2.96E-09	-0.478	0.738	0.76	7.35E-05	6
Slc38a1	3.01E-09	-0.489	0.338	0.524	7.48E-05	6
Man2b1	3.17E-09	-0.354	0.235	0.414	7.86E-05	6
Runx3	3.33E-09	0.548	0.564	0.494	8.27E-05	6
Dennd4a	3.84E-09	0.284	0.598	0.521	9.54E-05	6
Ap3b1	3.90E-09	0.716	0.478	0.442	9.68E-05	6
Tpp1	4.64E-09	-0.427	0.252	0.414	0.000115147	6
Dstn	4.77E-09	-0.368	0.272	0.45	0.000118437	6
Rbbp4	4.92E-09	0.409	0.549	0.498	0.000122322	6
Zmym5	4.94E-09	0.520	0.314	0.22	0.000122641	6
Ctcf	5.04E-09	0.518	0.417	0.34	0.00012509	6
Nfkbie	5.20E-09	-0.340	0.176	0.336	0.00012917	6
Slc20a1	5.20E-09	-0.536	0.13	0.272	0.000129236	6
Sf3b4	5.37E-09	-0.263	0.304	0.511	0.000133291	6
Esyt2	5.37E-09	0.368	0.316	0.223	0.00013339	6
Vdac2	5.52E-09	-0.353	0.397	0.574	0.000137169	6
Thrap3	7.27E-09	0.335	0.65	0.607	0.000180642	6

Rdx	7.68E-09	0.497	0.458	0.393	0.000190713	6
Rab10	8.15E-09	0.490	0.632	0.603	0.000202449	6
Ubn1	8.38E-09	0.406	0.51	0.44	0.000208273	6
Arf4	8.47E-09	0.280	0.782	0.72	0.000210301	6
Gppb111	8.62E-09	0.495	0.297	0.211	0.000214071	6
Cdc5l	8.71E-09	0.494	0.551	0.509	0.000216305	6
Prdx1	8.76E-09	-0.755	0.613	0.677	0.000217624	6
Nabp1	9.04E-09	0.272	0.439	0.338	0.00022448	6
Ehd1	9.77E-09	-0.311	0.25	0.428	0.000242744	6
Ppp1r2	9.98E-09	-0.297	0.267	0.457	0.000247932	6
Errfi1	9.99E-09	-0.488	0.208	0.368	0.000248181	6
Zcchc2	1.05E-08	-0.401	0.152	0.298	0.000262035	6
Neat1	1.10E-08	-0.718	0.206	0.359	0.000272105	6
Nedd9	1.34E-08	0.427	0.25	0.159	0.000332255	6
Tmem131	1.35E-08	-0.289	0.147	0.293	0.000334315	6
Atp6v1f	1.35E-08	-0.318	0.387	0.583	0.000335207	6
Casp4	1.43E-08	-0.349	0.208	0.374	0.000355673	6
Rbbp7	1.46E-08	0.558	0.402	0.332	0.000362058	6
Ubxn2a	1.46E-08	0.485	0.262	0.177	0.000362326	6
H2-T22	1.47E-08	0.473	0.292	0.209	0.000364129	6
Fip111	1.52E-08	0.758	0.382	0.32	0.000377823	6
Rnf10	1.57E-08	0.442	0.547	0.518	0.000389158	6
Cntrl	1.62E-08	0.511	0.324	0.236	0.000401317	6
Rsb1	1.66E-08	0.521	0.377	0.291	0.0004122	6
Naca	1.80E-08	0.290	0.694	0.643	0.000447696	6
Egr1	1.81E-08	-2.234	0.346	0.463	0.00045056	6
Tnks2	1.90E-08	0.504	0.395	0.332	0.000472679	6
Tm9sf3	1.98E-08	0.343	0.615	0.572	0.000491075	6
Lpcat1	2.01E-08	0.571	0.252	0.171	0.000498606	6
Tram1	2.43E-08	0.552	0.5	0.468	0.000602712	6
S100a11	2.86E-08	-0.598	0.779	0.808	0.000711351	6
Jdp2	2.88E-08	-0.437	0.297	0.463	0.000714448	6
Tmem234	2.92E-08	0.452	0.483	0.439	0.000726296	6
Ciapi1	2.97E-08	0.442	0.262	0.175	0.00073684	6
Mapk1	2.98E-08	0.456	0.512	0.479	0.000739781	6
Acin1	3.38E-08	0.358	0.551	0.513	0.000840209	6
Scaf11	3.59E-08	0.467	0.468	0.419	0.000892826	6
Txnip	4.20E-08	-0.558	0.208	0.357	0.001043271	6
Bcl2l1	4.37E-08	0.430	0.409	0.327	0.001085243	6
Hbp1	4.82E-08	0.388	0.444	0.368	0.001198266	6
Ddx24	4.85E-08	0.586	0.461	0.421	0.001205501	6
Calm1	4.88E-08	-0.418	0.978	0.916	0.001211074	6
Sik1	5.15E-08	0.277	0.708	0.654	0.001278613	6
Igbp1	5.67E-08	0.534	0.377	0.324	0.001407973	6
Pum2	6.14E-08	0.309	0.61	0.573	0.001526146	6
Cox6c	6.34E-08	0.292	0.784	0.694	0.001574771	6

Ccdc6	6.45E-08	0.443	0.25	0.172	0.00160261	6
Sat1	7.53E-08	-0.561	0.801	0.844	0.001870891	6
Manf	7.63E-08	-0.339	0.382	0.549	0.001896049	6
Mettl23	8.01E-08	0.456	0.255	0.179	0.001989894	6
1700020I14Rik	8.16E-08	0.519	0.324	0.251	0.002027651	6
Ubald1	8.23E-08	0.597	0.36	0.296	0.002043861	6
Aplp2	8.49E-08	0.405	0.544	0.481	0.002108858	6
Per1	8.49E-08	-0.335	0.152	0.289	0.002109261	6
Smox	8.70E-08	-0.647	0.424	0.585	0.002160069	6
Uqcrq	8.84E-08	-0.260	0.343	0.528	0.002195259	6
Raph1	8.94E-08	0.678	0.404	0.334	0.002221279	6
Ggta1	9.14E-08	-0.273	0.172	0.317	0.002270617	6
Csrp1	9.29E-08	0.520	0.37	0.293	0.002308741	6
Zfand6	9.35E-08	0.521	0.431	0.379	0.002323253	6
Usp34	1.01E-07	0.486	0.458	0.403	0.002510376	6
Napa	1.07E-07	-0.303	0.319	0.507	0.00265842	6
Lsm14a	1.09E-07	0.458	0.468	0.436	0.002712624	6
Cab39	1.20E-07	0.397	0.515	0.482	0.002972109	6
Ppp1r10	1.20E-07	-0.414	0.289	0.45	0.002975297	6
Usp38	1.33E-07	0.486	0.338	0.263	0.003300803	6
Setd1b	1.34E-07	0.585	0.289	0.21	0.003338636	6
Capn2	1.37E-07	-0.400	0.301	0.471	0.003398965	6
Gpbp1	1.40E-07	0.392	0.588	0.552	0.003472599	6
Wdr89	1.46E-07	0.297	0.686	0.651	0.00361806	6
Plp2	1.47E-07	0.468	0.453	0.385	0.003644115	6
Cyth1	1.54E-07	-0.269	0.24	0.406	0.003815585	6
Mir142hg	1.65E-07	-0.408	0.152	0.282	0.004087177	6
St8sia4	1.67E-07	0.501	0.375	0.298	0.004148526	6
Cox6a1	1.77E-07	-0.311	0.593	0.684	0.004399065	6
Ino80d	1.79E-07	0.476	0.306	0.227	0.004437292	6
Ubl5	1.82E-07	0.382	0.596	0.575	0.004508614	6
Btf3	1.86E-07	0.269	0.716	0.678	0.004631552	6
Hdac1	1.90E-07	0.493	0.377	0.319	0.004723097	6
Rnf213	1.90E-07	-0.517	0.184	0.32	0.004726361	6
Isg15	1.99E-07	-0.771	0.235	0.37	0.004934139	6
Eeal	2.12E-07	0.523	0.522	0.476	0.005259726	6
Man1a	2.33E-07	0.445	0.461	0.399	0.005790072	6
Pfdn5	2.41E-07	0.419	0.537	0.512	0.005988641	6
Apbb1ip	2.42E-07	-0.321	0.319	0.501	0.006019397	6
H2-T23	2.45E-07	0.389	0.554	0.506	0.006081016	6
Cpd	2.55E-07	0.506	0.304	0.226	0.006332286	6
Oat	2.62E-07	-0.256	0.275	0.457	0.006516853	6
Ywhah	2.63E-07	0.312	0.701	0.627	0.006525019	6
Arl4a	2.67E-07	0.417	0.257	0.178	0.006639117	6
Lipa	2.69E-07	-0.544	0.223	0.351	0.00668394	6
Bcl2l11	2.92E-07	-0.273	0.444	0.629	0.007250609	6

Lysmd3	3.23E-07	0.488	0.346	0.273	0.008022116	6
Skp1a	3.24E-07	0.377	0.529	0.492	0.008050042	6
Setd2	3.29E-07	0.431	0.529	0.504	0.0081682	6
Rad21	3.29E-07	0.436	0.458	0.404	0.008183288	6
Rpl29	3.37E-07	0.300	0.828	0.722	0.008379984	6
Birc6	3.78E-07	0.432	0.485	0.441	0.009387255	6
Malt1	3.78E-07	-0.482	0.324	0.471	0.0093937	6
Qk	3.79E-07	-0.333	0.397	0.569	0.009424524	6
Tiam1	3.85E-07	0.605	0.319	0.244	0.009570647	6
Vamp8	4.06E-07	-0.278	0.333	0.504	0.010081283	6
Gyg	4.15E-07	-0.413	0.194	0.334	0.010295926	6
Laptn4a	4.26E-07	-0.355	0.561	0.67	0.010590206	6
Hipk1	4.75E-07	-0.262	0.287	0.46	0.01179262	6
Gatad2a	4.82E-07	-0.295	0.299	0.476	0.011974548	6
Rab21	4.94E-07	0.363	0.525	0.496	0.012264606	6
Bex3	5.00E-07	0.470	0.279	0.208	0.012413002	6
Srsf2	5.11E-07	-0.397	0.824	0.863	0.012689776	6
Cox7a2l	5.67E-07	0.369	0.539	0.495	0.01409475	6
Lpin2	5.68E-07	-0.334	0.15	0.277	0.014108369	6
Nufip2	5.71E-07	0.254	0.652	0.604	0.014189017	6
Baz1a	5.99E-07	0.407	0.593	0.557	0.014879937	6
Ldb1	6.87E-07	0.426	0.262	0.188	0.017058142	6
Rbm27	7.10E-07	0.518	0.38	0.325	0.01762706	6
Irf2	7.72E-07	0.519	0.4	0.345	0.019163824	6
Rps12-ps3	7.94E-07	0.311	0.65	0.614	0.019732426	6
Ip6k1	8.03E-07	0.494	0.316	0.248	0.01994114	6
Rc3h1	8.32E-07	0.496	0.431	0.388	0.020670424	6
Ptpn7	8.56E-07	0.333	0.294	0.218	0.021252737	6
Smc3	8.77E-07	0.403	0.453	0.402	0.021777202	6
Pitpna	8.83E-07	-0.330	0.525	0.643	0.021940148	6
Iqgap1	1.00E-06	-0.383	0.831	0.842	0.024860006	6
Lgals9	1.07E-06	-0.303	0.238	0.38	0.026475573	6
Actn4	1.08E-06	-0.371	0.483	0.619	0.026841811	6
Ndufa13	1.10E-06	0.483	0.453	0.431	0.027300166	6
Mndal	1.18E-06	0.283	0.515	0.437	0.029225954	6
Sidt2	1.32E-06	0.406	0.321	0.251	0.032855754	6
Zc3h12a	1.39E-06	-0.438	0.306	0.459	0.034557476	6
Mthfsl	1.42E-06	-0.256	0.135	0.256	0.035222966	6
Fam98b	1.44E-06	0.511	0.25	0.185	0.035731948	6
Cnot6	1.51E-06	0.498	0.414	0.371	0.037623042	6
Esyt1	1.58E-06	0.419	0.48	0.45	0.039277469	6
Gm8186	1.60E-06	0.448	0.375	0.327	0.039734666	6
H2afz	1.64E-06	0.428	0.875	0.831	0.040756516	6
Sumo1	1.75E-06	0.434	0.449	0.419	0.043479985	6
Ilf3	1.80E-06	-0.262	0.233	0.385	0.04477239	6
Ucp2	1.87E-06	-0.449	0.848	0.789	0.046421111	6

Rsf1	1.87E-06	0.526	0.365	0.305	0.046422508	6
H2afv	1.88E-06	0.436	0.277	0.208	0.046774608	6
Mycbp2	1.89E-06	0.385	0.431	0.372	0.046995131	6
Jmjd1c	1.97E-06	-0.271	0.314	0.484	0.048844843	6
Npepps	2.04E-06	-0.342	0.319	0.485	0.050646946	6
Snrpg	2.05E-06	0.329	0.6	0.57	0.050824813	6
Slc3a2	2.06E-06	-0.281	0.74	0.818	0.051157183	6
Clint1	2.12E-06	0.411	0.5	0.473	0.052590091	6
Creb1	2.25E-06	0.577	0.365	0.313	0.055963759	6
Galnt1	2.30E-06	0.474	0.409	0.368	0.057104981	6
Casp8ap2	2.42E-06	0.456	0.282	0.211	0.059997862	6
Spty2d1	2.47E-06	0.451	0.652	0.636	0.061322921	6
Mtdh	2.54E-06	0.454	0.52	0.494	0.063147695	6
Dnajb9	2.63E-06	-0.540	0.483	0.623	0.065264347	6
Ell2	2.77E-06	0.491	0.471	0.436	0.068909848	6
Pum1	2.79E-06	0.422	0.456	0.42	0.069279671	6
Clcn4	2.98E-06	-0.277	0.221	0.367	0.07411511	6
Cdv3	3.00E-06	0.425	0.458	0.43	0.07449438	6
Ifi27	3.13E-06	0.389	0.262	0.197	0.077701959	6
Ankrd44	3.71E-06	0.299	0.355	0.289	0.092134736	6
Tmed5	3.78E-06	-0.335	0.461	0.603	0.09388425	6
Luc7l2	3.82E-06	0.270	0.65	0.635	0.094871091	6
Esco1	3.86E-06	0.480	0.321	0.258	0.095876595	6
Ehbp1l1	4.35E-06	-0.251	0.194	0.328	0.108133316	6
Arhgdia	4.42E-06	-0.266	0.659	0.727	0.109744542	6
Arid1a	4.49E-06	0.424	0.449	0.414	0.111549787	6
Ybx3	4.50E-06	-0.282	0.355	0.502	0.111734068	6
Zmiz1	4.55E-06	-0.270	0.355	0.514	0.112906969	6
mt-Atp8	4.55E-06	-0.294	0.355	0.522	0.113063417	6
Tob2	4.76E-06	0.563	0.735	0.696	0.118275761	6
Eif4g1	4.97E-06	-0.267	0.341	0.504	0.123407287	6
Yy1	5.02E-06	0.322	0.564	0.546	0.124642203	6
mt-Cytb	5.30E-06	-0.537	0.995	0.965	0.131747043	6
R3hdm4	5.33E-06	0.440	0.387	0.35	0.13227067	6
Arid4a	5.41E-06	0.500	0.407	0.358	0.134278816	6
Stmn1	6.77E-06	-0.474	0.174	0.28	0.168084203	6
Brd2	6.80E-06	-0.367	0.843	0.851	0.168850872	6
Srp9	7.45E-06	0.410	0.525	0.522	0.184974815	6
Nfil3	7.57E-06	0.353	0.627	0.588	0.188090587	6
Rfk	7.80E-06	0.452	0.275	0.218	0.193685842	6
Pnn	7.88E-06	0.427	0.473	0.441	0.195678412	6
Myo1g	8.21E-06	0.261	0.444	0.382	0.203903263	6
Bsg	8.33E-06	-0.374	0.434	0.576	0.20701522	6
Tspo	8.43E-06	-0.346	0.449	0.578	0.209317542	6
Capn1	8.60E-06	0.439	0.314	0.26	0.21370364	6
Itgb2	9.04E-06	-0.469	0.672	0.704	0.224443959	6

Smarce1	1.00E-05	0.448	0.395	0.357	0.249131857	6
Hspa1b	1.03E-05	-0.814	0.471	0.6	0.255859699	6
Slc44a2	1.04E-05	0.286	0.336	0.267	0.258352001	6
Mob1a	1.06E-05	0.338	0.564	0.549	0.262436306	6
Col4a3bp	1.09E-05	0.499	0.36	0.312	0.270762551	6
Arfgef1	1.11E-05	0.360	0.365	0.315	0.27559255	6
Herpud2	1.11E-05	0.469	0.338	0.293	0.27562581	6
Rpl27-ps3	1.12E-05	0.404	0.446	0.433	0.277275763	6
CD8a-pAbO (Ab)	1.12E-05	-0.744	0.574	0.716	0.278011218	6
Slu7	1.23E-05	0.406	0.392	0.356	0.304403557	6
Syncrip	1.33E-05	0.398	0.48	0.462	0.329646727	6
Gnai3	1.45E-05	0.295	0.512	0.486	0.36125861	6
Sem1	1.52E-05	-0.260	0.598	0.701	0.377875805	6
Klf13	1.53E-05	0.485	0.358	0.31	0.378849488	6
Map3k1	1.56E-05	0.414	0.409	0.362	0.38642795	6
Ncoa3	1.62E-05	0.422	0.4	0.366	0.402968577	6
Gpx4	1.63E-05	0.351	0.547	0.527	0.40485775	6
Hspa4l	1.70E-05	0.473	0.25	0.189	0.423374522	6
Hivep1	1.75E-05	0.501	0.289	0.233	0.435245322	6
Rab2a	1.76E-05	0.357	0.529	0.524	0.438116738	6
Add3	1.82E-05	0.453	0.316	0.262	0.451603561	6
Slc30a1	1.89E-05	-0.330	0.255	0.384	0.470357006	6
Ybx1	1.93E-05	-0.255	0.792	0.783	0.479449133	6
Cdc37	1.99E-05	0.342	0.463	0.446	0.495459484	6
Tbrg1	2.04E-05	0.404	0.279	0.226	0.50622959	6
Aff1	2.16E-05	0.481	0.451	0.428	0.537284726	6
mt-Co1	2.26E-05	-0.383	1	0.994	0.562521096	6
Ep300	2.27E-05	0.332	0.49	0.464	0.563086847	6
Gm47283	2.35E-05	-0.571	0.355	0.496	0.584748113	6
Ccny	2.38E-05	0.450	0.301	0.253	0.591502805	6
Cd274	2.43E-05	-0.413	0.301	0.439	0.602414946	6
Ube2i	2.46E-05	0.263	0.574	0.57	0.610615025	6
Atf7ip	2.47E-05	-0.281	0.196	0.317	0.614074986	6
Kmt5b	2.61E-05	0.435	0.27	0.211	0.64795656	6
Dedd2	2.74E-05	-0.645	0.228	0.339	0.679763199	6
Bod1l	2.76E-05	0.521	0.284	0.23	0.685547736	6
Cbx4	2.81E-05	0.336	0.385	0.323	0.698644125	6
Srpkl	2.99E-05	0.342	0.319	0.269	0.742260171	6
Srp14	3.13E-05	0.430	0.392	0.364	0.777837077	6
Slc25a5	3.35E-05	-0.274	0.632	0.695	0.832445843	6
Fam168b	3.49E-05	0.394	0.397	0.37	0.867179501	6
Arpc5	3.53E-05	-0.268	0.733	0.77	0.875894365	6
Fkbp1a	3.72E-05	0.283	0.581	0.555	0.924243698	6
mt-Nd4l	4.29E-05	-0.501	0.775	0.816	1	6
Ccnt1	5.04E-05	0.323	0.483	0.461	1	6
Pon2	5.15E-05	0.381	0.324	0.278	1	6



Krtcap2	5.15E-05	0.371	0.502	0.48	1	6
Cdk9	5.17E-05	-0.276	0.353	0.514	1	6
Ubr2	5.22E-05	0.406	0.36	0.316	1	6
Matr3	5.28E-05	0.389	0.444	0.429	1	6
Ddx17	5.32E-05	0.300	0.542	0.541	1	6
Snw1	5.64E-05	0.494	0.468	0.466	1	6
Fam53c	5.99E-05	0.325	0.301	0.246	1	6
Mlec	6.56E-05	0.476	0.292	0.251	1	6
Aldoa	7.55E-05	-0.419	0.804	0.819	1	6
Cul3	7.60E-05	0.277	0.569	0.568	1	6
Spcs2	7.84E-05	0.350	0.512	0.489	1	6
Cdk13	7.92E-05	0.428	0.402	0.371	1	6
Fam117b	8.48E-05	0.429	0.451	0.428	1	6
Ube2r2	8.52E-05	0.461	0.441	0.436	1	6
Clic1	9.95E-05	-0.251	0.517	0.637	1	6
Rnf6	0.00011569	0.458	0.341	0.311	1	6
Ywhaq	0.00011676	0.270	0.525	0.491	1	6
Ddb1	0.00012026	0.488	0.353	0.332	1	6
N4bp2l2	0.00013157	0.351	0.358	0.321	1	6
Ube4b	0.00013817	0.402	0.255	0.208	1	6
Riok1	0.00014334	0.338	0.277	0.227	1	6
Eif4e2	0.00016235	0.395	0.434	0.422	1	6
Dctn4	0.0001636	0.349	0.35	0.317	1	6
Smc6	0.00017342	0.455	0.392	0.358	1	6
Atp2a2	0.0001804	0.299	0.583	0.583	1	6
Ddx21	0.00018148	0.311	0.515	0.508	1	6
Eno1	0.0001841	-0.418	0.61	0.664	1	6
Tceal9	0.00019492	0.390	0.446	0.412	1	6
Ago2	0.00019726	0.278	0.551	0.539	1	6
Mphosph8	0.00019788	0.512	0.272	0.226	1	6
Dynll1	0.00020262	-0.270	0.632	0.733	1	6
Pttg1	0.00022195	0.382	0.282	0.236	1	6
Itsn2	0.00024148	0.330	0.463	0.456	1	6
Cdc73	0.00025261	0.412	0.321	0.287	1	6
Cggbp1	0.0002618	0.382	0.483	0.486	1	6
Tlk1	0.00026614	0.399	0.297	0.257	1	6
Maz	0.00026995	0.374	0.422	0.399	1	6
Hspa4	0.00028121	0.396	0.527	0.536	1	6
Rybp	0.00029251	-0.372	0.436	0.577	1	6
Cdc40	0.00032993	0.400	0.257	0.214	1	6
Fem1c	0.00034147	-0.286	0.544	0.664	1	6
Hmgcr	0.00034695	0.411	0.314	0.276	1	6
Rab1a	0.00037147	-0.277	0.721	0.751	1	6
Csnk1d	0.00039731	0.299	0.554	0.571	1	6
Rnf19a	0.00040393	0.388	0.255	0.212	1	6
Edf1	0.00047389	0.360	0.549	0.566	1	6

Tomm34	0.00048153	0.398	0.282	0.246	1	6
Chp1	0.00049545	0.277	0.52	0.518	1	6
Ptp4a1	0.00049719	-0.326	0.674	0.774	1	6
Ankrd17	0.00050232	0.326	0.483	0.484	1	6
Arpp19	0.00050468	0.318	0.461	0.462	1	6
Dnajc5	0.00051901	0.274	0.569	0.564	1	6
Acs14	0.00055381	0.300	0.358	0.337	1	6
H3f3b	0.00055807	-0.303	0.993	0.964	1	6
Lats2	0.0005603	0.393	0.436	0.433	1	6
Crkl	0.0005651	0.373	0.363	0.341	1	6
Cr11	0.0005735	0.410	0.37	0.361	1	6
Kcnn4	0.00060435	-0.260	0.287	0.384	1	6
Raf1	0.00061474	0.296	0.27	0.224	1	6
Lrrc8c	0.00062288	0.478	0.324	0.296	1	6
Eed	0.00062359	0.355	0.36	0.334	1	6
Rpl36	0.0006282	0.257	0.596	0.599	1	6
mt-Nd5	0.0006619	-0.404	0.934	0.908	1	6
Myl12b	0.0006892	0.266	0.27	0.226	1	6
Glg1	0.00072576	0.380	0.4	0.386	1	6
Ets2	0.00081045	-0.468	0.52	0.622	1	6
Ski	0.00092117	0.374	0.417	0.406	1	6
Sqstm1	0.00095894	-0.352	0.902	0.9	1	6
Med13	0.0010071	0.276	0.473	0.465	1	6
Ncbp1	0.00104235	0.335	0.255	0.217	1	6
Adam10	0.00104238	0.391	0.297	0.272	1	6
Nup98	0.00107119	0.320	0.488	0.5	1	6
Phf3	0.00109167	0.417	0.426	0.425	1	6
S100a6	0.00109448	-0.385	0.73	0.778	1	6
Suco	0.00110601	-0.349	0.282	0.39	1	6
Nr4a1	0.0011929	-0.266	0.412	0.533	1	6
Wipf1	0.00122462	-0.253	0.439	0.567	1	6
Srsf7	0.0012489	-0.324	0.463	0.603	1	6
Rbm5	0.00126122	0.277	0.434	0.423	1	6
Chic2	0.00129078	0.299	0.431	0.427	1	6
Arf6	0.00131789	0.252	0.733	0.721	1	6
Ankrd13c	0.00133474	0.399	0.262	0.232	1	6
Cdk2ap2	0.00135586	0.270	0.426	0.415	1	6
Bptf	0.00138788	0.334	0.444	0.446	1	6
Parp14	0.00142031	0.295	0.301	0.26	1	6
Tmem59	0.00154185	0.283	0.456	0.457	1	6
Sri	0.00155332	0.337	0.404	0.403	1	6
Mt1	0.00155466	-0.535	0.801	0.769	1	6
Gm16286	0.00159128	0.490	0.326	0.313	1	6
Bclaf1	0.00162427	0.270	0.51	0.521	1	6
Dock10	0.00167913	0.274	0.385	0.359	1	6
Vezf1	0.0018276	0.335	0.355	0.337	1	6

Nup153	0.00192483	0.429	0.319	0.302	1	6
Ift20	0.00200178	0.436	0.321	0.31	1	6
Dhx36	0.00201993	0.411	0.262	0.23	1	6
Pkm	0.00212896	-0.253	0.836	0.847	1	6
Coro2a	0.00219329	0.436	0.25	0.217	1	6
Sec11a	0.00226359	0.336	0.365	0.361	1	6
Ttc14	0.00241226	0.436	0.267	0.236	1	6
Suz12	0.00244441	0.297	0.336	0.312	1	6
Xpo6	0.00247869	0.321	0.297	0.271	1	6
Nek7	0.00252852	0.383	0.324	0.306	1	6
Hnrnpul2	0.00253888	0.313	0.451	0.471	1	6
Il4ra	0.00255493	0.378	0.407	0.395	1	6
Fundc2	0.00264305	0.339	0.333	0.315	1	6
Bcap31	0.0026797	0.352	0.385	0.384	1	6
Tnrc6a	0.00272623	0.352	0.424	0.425	1	6
Cox20	0.00278494	0.407	0.355	0.352	1	6
Ankrd12	0.00282961	0.268	0.426	0.415	1	6
Nr4a2	0.00312938	-0.287	0.429	0.517	1	6
Zfp131	0.00318456	0.314	0.431	0.436	1	6
Bin2	0.00318665	0.373	0.319	0.295	1	6
Mta2	0.00321056	0.267	0.431	0.439	1	6
Mark2	0.0032433	0.267	0.412	0.414	1	6
Hsp90b1	0.00325676	-0.265	0.824	0.787	1	6
Nt5c	0.00333216	0.429	0.309	0.298	1	6
Tmem128	0.00352206	0.372	0.292	0.275	1	6
Polr2a	0.00368268	0.293	0.529	0.558	1	6
Hadha	0.00372731	0.362	0.412	0.416	1	6
Acbd5	0.00382091	0.347	0.272	0.245	1	6
Pdcd10	0.0044143	0.369	0.397	0.408	1	6
Atp5d	0.00441781	0.279	0.495	0.523	1	6
Selplg	0.00457634	0.253	0.537	0.541	1	6
Rheb	0.00459837	0.355	0.439	0.473	1	6
Hspd1	0.0047518	0.317	0.473	0.47	1	6
Usp47	0.00525894	0.350	0.292	0.272	1	6
Spcs1	0.00549545	0.342	0.419	0.434	1	6
Impdh1	0.00564608	0.304	0.275	0.245	1	6
Ppil4	0.00568702	0.392	0.267	0.244	1	6
Cript	0.00576838	0.369	0.341	0.341	1	6
Clec2d	0.00589353	0.314	0.301	0.27	1	6
Ppp2r2d	0.0059237	0.313	0.282	0.258	1	6
Kpna1	0.0061048	0.378	0.309	0.294	1	6
Srsf11	0.00612517	-0.377	0.62	0.718	1	6
Rgs10	0.00664907	0.426	0.414	0.419	1	6
Tmf1	0.0070074	0.407	0.343	0.336	1	6
Copb2	0.00722835	0.403	0.358	0.372	1	6
Arcn1	0.00861787	0.298	0.431	0.455	1	6

Csnk1g2	0.00898411	0.341	0.265	0.244	1	6
Ifi203	0.0089912	0.294	0.353	0.328	1	6
Gxylt1	0.00903965	0.372	0.284	0.266	1	6
Tmem30a	0.00957081	0.352	0.4	0.414	1	6
Zc3h13	0.00966715	0.396	0.287	0.267	1	6
Huwe1	0.00982741	0.332	0.409	0.417	1	6
Pank3	0.00988569	0.278	0.326	0.316	1	6
Nkg7	0	2.655	0.73	0.045	0	7
Pclaf	0	2.646	0.736	0.074	0	7
Trbc2	0	2.306	0.943	0.112	0	7
Cd8a	0	2.265	0.497	0.017	0	7
Nrgn	0	2.238	0.5	0.015	0	7
Cd3e	0	2.224	0.946	0.105	0	7
Thy1	0	2.211	0.923	0.092	0	7
Rgs16	0	2.181	0.79	0.064	0	7
Il2rb	0	2.024	0.986	0.151	0	7
Cd3g	0	1.981	0.929	0.089	0	7
Cd8b1	0	1.715	0.537	0.012	0	7
Cd3d	0	1.678	0.903	0.08	0	7
Lck	0	1.616	0.901	0.084	0	7
Ptpcap	0	1.537	0.847	0.083	0	7
Eomes	0	1.486	0.406	0.01	0	7
Sh2d2a	0	1.460	0.849	0.077	0	7
Nrn1	0	1.413	0.42	0.012	0	7
1-Sep	0	1.385	0.903	0.112	0	7
Pdcd1	0	1.339	0.651	0.045	0	7
Cst7	0	1.294	0.696	0.066	0	7
Klrc1	0	1.263	0.412	0.015	0	7
Prf1	0	1.235	0.327	0.007	0	7
Gimap4	0	1.153	0.724	0.063	0	7
Tox	0	0.973	0.571	0.033	0	7
Zdhhc2	0	0.969	0.577	0.041	0	7
Skap1	0	0.959	0.696	0.054	0	7
Myb	0	0.899	0.534	0.03	0	7
Zap70	0	0.818	0.605	0.032	0	7
Phgdh	0	0.816	0.509	0.026	0	7
Stk26	0	0.810	0.608	0.045	0	7
Dut	2.42E-306	1.253	0.659	0.066	6.02E-302	7
Trac	5.55E-306	2.027	0.966	0.149	1.38E-301	7
Ms4a4b	1.84E-305	2.349	0.662	0.067	4.58E-301	7
Tigit	2.30E-305	1.052	0.716	0.067	5.72E-301	7
Lat	1.38E-294	1.108	0.798	0.092	3.43E-290	7
Itm2a	5.73E-294	0.752	0.44	0.022	1.42E-289	7
Bcl11b	6.92E-290	0.890	0.625	0.053	1.72E-285	7
Themis	2.51E-287	0.673	0.398	0.017	6.24E-283	7
Hmgb3	3.63E-282	0.817	0.543	0.043	9.03E-278	7

Hist1h3c	3.28E-279	0.547	0.327	0.01	8.15E-275	7
Cd28	2.00E-277	1.208	0.81	0.1	4.97E-273	7
Dtl	1.67E-276	0.879	0.483	0.033	4.16E-272	7
Cd96	6.52E-276	0.531	0.338	0.011	1.62E-271	7
Mcm5	9.78E-275	1.436	0.713	0.093	2.43E-270	7
Tnfrsf18	5.40E-267	1.311	0.827	0.115	1.34E-262	7
Gstp3	1.53E-266	0.801	0.56	0.047	3.80E-262	7
Hells	1.71E-263	0.979	0.545	0.049	4.24E-259	7
Tnfrsf9	1.18E-261	1.832	0.935	0.169	2.92E-257	7
Cxcr6	4.98E-260	1.131	0.457	0.03	1.24E-255	7
Icos	1.74E-259	1.540	0.901	0.137	4.33E-255	7
Kif11	2.53E-259	0.839	0.449	0.03	6.29E-255	7
Gzmb	2.93E-258	2.203	0.568	0.053	7.29E-254	7
Ctla4	2.41E-254	1.445	0.815	0.113	5.99E-250	7
Ctsw	1.03E-253	0.713	0.412	0.023	2.56E-249	7
Cd247	2.51E-248	0.663	0.526	0.043	6.24E-244	7
Ablim1	6.79E-248	0.910	0.733	0.092	1.69E-243	7
Itk	5.03E-246	0.901	0.736	0.09	1.25E-241	7
Top2a	2.04E-245	2.041	0.688	0.099	5.08E-241	7
Camk4	4.06E-244	0.615	0.509	0.041	1.01E-239	7
Cd2	6.09E-243	1.047	0.815	0.113	1.51E-238	7
Ccna2	1.83E-241	1.102	0.52	0.049	4.55E-237	7
Perp	1.90E-241	0.598	0.42	0.026	4.73E-237	7
Spn	2.89E-241	1.035	0.744	0.103	7.17E-237	7
Rnf125	7.46E-239	1.168	0.864	0.132	1.85E-234	7
Ets1	1.33E-233	1.466	0.974	0.202	3.30E-229	7
Gm19585	1.44E-231	1.050	0.486	0.04	3.58E-227	7
Ppp1r16b	2.83E-231	0.747	0.668	0.079	7.03E-227	7
Cd5	4.20E-231	0.949	0.628	0.07	1.04E-226	7
Rad51	2.14E-230	0.630	0.412	0.029	5.31E-226	7
Nusap1	8.14E-230	0.927	0.463	0.039	2.02E-225	7
Mki67	9.13E-230	2.108	0.699	0.11	2.27E-225	7
Gimap7	4.73E-227	0.485	0.372	0.021	1.18E-222	7
Sla2	1.74E-226	0.621	0.412	0.028	4.32E-222	7
Spc24	8.45E-224	0.867	0.497	0.049	2.10E-219	7
Tnfrsf4	1.09E-222	1.164	0.73	0.104	2.72E-218	7
Ikzf3	1.66E-220	0.587	0.5	0.044	4.13E-216	7
Ncapd2	1.50E-219	0.818	0.528	0.057	3.72E-215	7
Rpa2	1.99E-219	0.919	0.608	0.079	4.93E-215	7
Rrm1	2.24E-219	1.308	0.668	0.104	5.56E-215	7
Tbx21	2.30E-218	0.698	0.432	0.033	5.72E-214	7
Mcm6	2.52E-218	1.413	0.764	0.142	6.26E-214	7
Cd27	3.95E-218	0.587	0.506	0.046	9.82E-214	7
Dnajc9	3.04E-217	1.361	0.739	0.136	7.56E-213	7
Inpp4b	2.92E-216	0.797	0.562	0.062	7.24E-212	7
Smc2	4.12E-216	1.438	0.653	0.1	1.02E-211	7

Rrm2	1.06E-214	1.351	0.531	0.06	2.63E-210	7
Slc39a4	1.78E-214	0.394	0.358	0.021	4.42E-210	7
Ube2c	2.12E-214	1.445	0.562	0.068	5.27E-210	7
Fasl	7.98E-214	0.551	0.321	0.016	1.98E-209	7
Tff1	1.48E-213	0.680	0.267	0.009	3.68E-209	7
Mad2l1	7.47E-209	0.710	0.511	0.057	1.86E-204	7
Lig1	3.00E-206	1.350	0.636	0.098	7.46E-202	7
Kif15	4.07E-206	0.743	0.423	0.037	1.01E-201	7
Gata3	2.34E-204	0.671	0.574	0.066	5.81E-200	7
Hist1h2ae	2.24E-203	0.748	0.398	0.032	5.57E-199	7
Ncapg	3.95E-201	0.600	0.386	0.03	9.80E-197	7
Stk39	1.34E-200	0.875	0.548	0.068	3.32E-196	7
Diaph3	6.34E-199	0.717	0.449	0.044	1.58E-194	7
Uhrf1	1.02E-198	1.073	0.568	0.076	2.54E-194	7
Ikzf2	1.48E-198	1.399	0.73	0.12	3.67E-194	7
Dusp14	7.95E-197	0.993	0.483	0.05	1.97E-192	7
Pglyrp1	2.17E-195	0.799	0.77	0.125	5.40E-191	7
Clspn	2.10E-194	0.694	0.381	0.03	5.23E-190	7
AW112010	2.93E-194	2.007	0.972	0.32	7.28E-190	7
Birc5	4.33E-194	1.225	0.577	0.081	1.08E-189	7
Mns1	1.80E-193	0.582	0.364	0.027	4.48E-189	7
Aspm	3.13E-188	0.639	0.315	0.02	7.77E-184	7
Mcm3	1.74E-186	1.190	0.659	0.119	4.31E-182	7
Tyms	6.10E-186	0.907	0.474	0.056	1.52E-181	7
Gtse1	3.74E-185	0.496	0.321	0.021	9.29E-181	7
Cenpe	6.42E-185	0.849	0.412	0.039	1.59E-180	7
Atad2	1.57E-184	0.960	0.645	0.107	3.89E-180	7
Cdk1	2.23E-184	0.946	0.526	0.069	5.53E-180	7
Itgal	4.15E-183	1.152	0.906	0.214	1.03E-178	7
Ccne2	9.62E-182	0.555	0.324	0.022	2.39E-177	7
Cd6	1.48E-180	0.593	0.435	0.042	3.68E-176	7
Pde4d	4.02E-180	0.755	0.659	0.101	9.99E-176	7
Mcm4	9.90E-180	1.262	0.688	0.137	2.46E-175	7
Cdca8	3.57E-179	0.866	0.5	0.064	8.88E-175	7
Gpr174	2.56E-175	0.437	0.361	0.028	6.35E-171	7
Trbc1	3.48E-175	1.223	0.46	0.051	8.63E-171	7
Fbxo5	3.72E-175	0.654	0.312	0.022	9.25E-171	7
Cbx3	4.07E-175	1.788	0.929	0.376	1.01E-170	7
Plod2	6.50E-175	0.450	0.318	0.022	1.62E-170	7
Crbn	6.00E-174	0.938	0.696	0.128	1.49E-169	7
Ltb	2.48E-173	0.698	0.517	0.064	6.16E-169	7
Gmnn	5.34E-172	0.882	0.599	0.103	1.33E-167	7
Grap	7.89E-172	0.529	0.463	0.053	1.96E-167	7
Slain1	4.77E-170	0.509	0.366	0.031	1.19E-165	7
Asf1b	7.30E-170	0.607	0.406	0.042	1.81E-165	7
Il27ra	1.44E-168	0.441	0.415	0.041	3.59E-164	7

Acap1	5.42E-168	0.598	0.656	0.105	1.35E-163	7
Stmn1	1.79E-167	2.149	0.807	0.243	4.46E-163	7
Selenoh	5.04E-166	0.953	0.662	0.133	1.25E-161	7
Il21r	7.53E-166	1.373	0.844	0.213	1.87E-161	7
Chst2	1.30E-165	0.422	0.321	0.023	3.22E-161	7
Prim1	3.84E-165	0.715	0.46	0.058	9.53E-161	7
Mcm7	2.64E-163	0.826	0.56	0.091	6.55E-159	7
Casp3	6.65E-163	1.676	0.929	0.351	1.65E-158	7
Esco2	9.55E-163	0.413	0.253	0.014	2.37E-158	7
Lag3	1.90E-162	0.813	0.449	0.053	4.71E-158	7
Ptpn22	2.94E-162	1.153	0.864	0.227	7.29E-158	7
Topbp1	1.01E-159	0.806	0.585	0.102	2.50E-155	7
Tacc3	1.31E-159	0.733	0.486	0.068	3.26E-155	7
Mbnl3	5.10E-159	0.358	0.31	0.023	1.27E-154	7
Rab27a	5.79E-157	0.510	0.568	0.086	1.44E-152	7
Nuf2	2.68E-156	0.467	0.341	0.031	6.64E-152	7
Ctla2a	3.45E-154	0.578	0.56	0.083	8.56E-150	7
Cdca5	3.13E-153	0.394	0.27	0.018	7.78E-149	7
Rpsa	1.00E-152	1.464	0.997	0.741	2.48E-148	7
Atad5	9.21E-152	0.587	0.338	0.031	2.29E-147	7
Tpx2	3.28E-151	0.762	0.426	0.053	8.15E-147	7
Galnt3	8.76E-151	0.397	0.261	0.017	2.18E-146	7
Il18r1	6.34E-150	0.619	0.42	0.048	1.58E-145	7
Tmpo	9.42E-150	1.414	0.841	0.268	2.34E-145	7
Ckap2	8.30E-149	0.556	0.364	0.038	2.06E-144	7
Rora	8.86E-149	1.142	0.807	0.203	2.20E-144	7
Gimap6	1.95E-148	0.440	0.534	0.077	4.85E-144	7
H2afv	1.89E-147	1.114	0.733	0.183	4.69E-143	7
Gm8369	4.26E-147	0.496	0.372	0.038	1.06E-142	7
Rps15a	6.13E-147	1.467	0.986	0.75	1.52E-142	7
Runx2	1.34E-146	0.996	0.719	0.16	3.34E-142	7
Rps26	1.39E-146	1.344	0.997	0.878	3.46E-142	7
Lbr	3.41E-146	1.051	0.844	0.238	8.47E-142	7
Psip1	1.03E-145	1.015	0.756	0.187	2.55E-141	7
Gimap9	2.26E-145	0.541	0.406	0.046	5.62E-141	7
Gimap1	4.23E-145	0.445	0.418	0.048	1.05E-140	7
Cyp51	1.86E-144	1.354	0.861	0.268	4.62E-140	7
Hmgn5	2.64E-144	1.267	0.832	0.244	6.56E-140	7
Psat1	3.32E-144	0.898	0.653	0.147	8.26E-140	7
Ncaph	8.94E-144	0.489	0.355	0.038	2.22E-139	7
Osbpl3	1.53E-143	0.545	0.517	0.081	3.81E-139	7
Prkch	5.02E-143	0.888	0.767	0.188	1.25E-138	7
Rpl4	6.67E-143	1.318	0.991	0.778	1.66E-138	7
Cks1b	7.69E-143	0.929	0.56	0.107	1.91E-138	7
Kif4	7.74E-143	0.384	0.278	0.022	1.92E-138	7
Rpl5	1.10E-142	1.352	1	0.8	2.74E-138	7

Ccng1	1.08E-141	1.389	0.841	0.28	2.68E-137	7
F2r	1.59E-141	0.438	0.321	0.029	3.95E-137	7
Gimap3	2.76E-141	0.432	0.446	0.056	6.86E-137	7
Idi1	3.67E-141	1.266	0.781	0.211	9.13E-137	7
D16Ertd472e	9.18E-141	1.141	0.895	0.271	2.28E-136	7
Thap12	9.70E-141	1.030	0.781	0.213	2.41E-136	7
Rac2	2.34E-140	1.451	0.986	0.563	5.81E-136	7
Rps8	8.24E-140	1.231	0.997	0.867	2.05E-135	7
Cenpq	4.72E-139	0.562	0.472	0.072	1.17E-134	7
Chaf1a	5.32E-139	0.587	0.406	0.053	1.32E-134	7
Eef1a1	1.19E-138	1.135	0.997	0.951	2.95E-134	7
Hip1r	1.62E-138	0.481	0.48	0.068	4.04E-134	7
Rbl2	2.01E-138	0.711	0.537	0.095	5.00E-134	7
Serpinb6b	6.89E-138	0.912	0.531	0.087	1.71E-133	7
Cep55	8.28E-138	0.403	0.278	0.023	2.06E-133	7
Rps13	1.73E-137	1.156	0.989	0.863	4.30E-133	7
Pkp4	1.83E-137	0.975	0.614	0.13	4.54E-133	7
Syt13	3.39E-137	0.443	0.352	0.036	8.42E-133	7
Syt12	3.90E-137	0.385	0.304	0.026	9.68E-133	7
Hmgb1	4.51E-137	1.684	0.98	0.618	1.12E-132	7
Rif1	4.69E-137	0.711	0.551	0.098	1.17E-132	7
Rps3	1.55E-136	1.176	0.991	0.852	3.85E-132	7
Nup210	1.74E-136	0.634	0.506	0.082	4.32E-132	7
Rps20	1.95E-136	1.164	0.994	0.84	4.85E-132	7
Cit	2.38E-136	0.481	0.318	0.031	5.91E-132	7
Cenph	6.23E-136	0.495	0.318	0.032	1.55E-131	7
Rps3a1	7.24E-136	1.240	0.997	0.833	1.80E-131	7
Rps4x	1.47E-135	1.216	1	0.784	3.66E-131	7
Ftl1	6.55E-135	-2.778	0.969	0.963	1.63E-130	7
Arsb	9.35E-135	0.767	0.503	0.086	2.32E-130	7
Cdc6	1.35E-134	0.812	0.384	0.05	3.35E-130	7
Rhof	3.81E-134	0.797	0.719	0.157	9.46E-130	7
Ccl5	1.84E-132	1.429	0.75	0.184	4.58E-128	7
Tnfsf4	3.49E-131	0.957	0.318	0.032	8.67E-127	7
Nap111	4.32E-131	1.538	0.969	0.61	1.07E-126	7
Eef1b2	2.49E-130	1.331	0.986	0.764	6.18E-126	7
Epas1	3.32E-130	0.749	0.355	0.042	8.24E-126	7
Panx1	1.28E-129	0.666	0.588	0.117	3.19E-125	7
Nt5c3b	3.04E-129	0.467	0.378	0.049	7.55E-125	7
Hmnr	2.57E-128	0.470	0.295	0.028	6.38E-124	7
Smc4	3.70E-128	1.829	0.852	0.349	9.18E-124	7
Rcn1	6.35E-128	0.383	0.31	0.031	1.58E-123	7
Ezh2	1.38E-127	1.127	0.702	0.188	3.42E-123	7
Il2ra	2.15E-126	1.012	0.56	0.105	5.35E-122	7
Rpl39	2.85E-126	1.131	0.997	0.844	7.08E-122	7
Stard4	4.47E-126	0.837	0.651	0.15	1.11E-121	7



Snrpe	5.82E-126	1.341	0.949	0.553	1.44E-121	7
Rfc3	1.38E-125	0.635	0.503	0.091	3.42E-121	7
Cdc20	1.78E-125	0.469	0.281	0.026	4.42E-121	7
Klrd1	2.65E-125	1.127	0.443	0.07	6.59E-121	7
Ran	8.50E-125	1.453	0.977	0.695	2.11E-120	7
Cdca3	2.35E-124	0.456	0.349	0.042	5.84E-120	7
Rps18	7.13E-124	1.298	0.983	0.698	1.77E-119	7
Ubp1	9.43E-124	0.652	0.392	0.057	2.34E-119	7
Dusp4	1.03E-123	0.620	0.466	0.074	2.57E-119	7
Ccdc88c	1.42E-123	0.564	0.545	0.097	3.52E-119	7
Sema4c	3.32E-123	0.794	0.344	0.042	8.24E-119	7
Hmgn2	5.93E-123	1.310	0.767	0.26	1.47E-118	7
Hmgb2	7.91E-123	2.265	0.957	0.66	1.96E-118	7
Hdac1	9.94E-123	0.968	0.844	0.292	2.47E-118	7
Shcbp1	1.40E-122	0.275	0.256	0.022	3.48E-118	7
Orc6	3.30E-122	0.737	0.551	0.117	8.21E-118	7
Pla2g16	4.65E-122	0.767	0.702	0.179	1.16E-117	7
Incenp	6.73E-122	0.943	0.591	0.133	1.67E-117	7
Cyfp2	8.77E-122	0.690	0.744	0.187	2.18E-117	7
Cenpf	3.07E-121	0.754	0.332	0.04	7.62E-117	7
Aurkb	5.11E-121	0.426	0.315	0.036	1.27E-116	7
Padi2	5.65E-121	0.695	0.531	0.102	1.40E-116	7
Rplp0	9.52E-121	1.082	0.997	0.824	2.36E-116	7
Rps7	1.13E-120	1.132	0.989	0.791	2.81E-116	7
Rpl36a	1.34E-120	1.303	0.977	0.674	3.33E-116	7
Cd82	2.31E-120	0.825	0.747	0.201	5.75E-116	7
Fam92a	5.38E-120	0.330	0.273	0.025	1.34E-115	7
Sv2c	2.11E-119	0.591	0.321	0.035	5.24E-115	7
Msi2	2.98E-119	0.744	0.651	0.151	7.39E-115	7
Rps12	3.59E-119	1.069	0.994	0.901	8.93E-115	7
Rpl32	3.73E-119	1.093	0.994	0.796	9.25E-115	7
Stil	4.27E-119	0.317	0.256	0.022	1.06E-114	7
Rpa1	7.25E-119	0.794	0.562	0.128	1.80E-114	7
Rbbp7	1.50E-118	1.091	0.832	0.308	3.73E-114	7
Rack1	3.39E-118	1.129	0.991	0.748	8.42E-114	7
Fcer1g	1.66E-117	-3.423	0.173	0.781	4.13E-113	7
Rpl23a	2.19E-117	1.063	0.983	0.826	5.44E-113	7
Tyropb	4.37E-117	-3.139	0.097	0.756	1.09E-112	7
Prcl	5.49E-117	0.621	0.369	0.051	1.36E-112	7
Hsd17b7	6.82E-117	0.646	0.472	0.084	1.69E-112	7
Hacd3	9.03E-117	0.714	0.631	0.151	2.24E-112	7
Mcm2	1.28E-116	0.527	0.406	0.063	3.19E-112	7
Rpl28	1.79E-116	1.063	0.991	0.827	4.44E-112	7
Rpl3	2.19E-116	1.175	0.98	0.721	5.45E-112	7
Ccr8	3.15E-116	0.457	0.312	0.034	7.82E-112	7
Malat1	4.71E-116	-2.574	0.841	0.97	1.17E-111	7

Rpa3	8.46E-116	0.605	0.489	0.096	2.10E-111	7
Cenpw	2.18E-115	0.373	0.327	0.04	5.42E-111	7
Rpl17	6.09E-115	0.963	0.997	0.892	1.51E-110	7
Smco4	8.28E-115	0.416	0.392	0.058	2.06E-110	7
Kdm2b	1.05E-114	0.820	0.759	0.212	2.60E-110	7
Gimap8	1.06E-114	0.361	0.335	0.04	2.62E-110	7
Ccnb2	1.65E-114	0.698	0.452	0.079	4.09E-110	7
Spata13	2.51E-114	0.653	0.739	0.188	6.22E-110	7
Ndc80	2.60E-114	0.457	0.298	0.034	6.47E-110	7
Rps6	4.91E-114	1.046	0.994	0.824	1.22E-109	7
Plk4	5.22E-114	0.501	0.375	0.055	1.30E-109	7
Sult2b1	9.09E-114	0.404	0.264	0.025	2.26E-109	7
Serbp1	1.47E-113	1.212	0.972	0.737	3.64E-109	7
Psph	3.04E-113	0.268	0.261	0.025	7.55E-109	7
Mms22l	3.26E-113	0.392	0.307	0.036	8.10E-109	7
Rpl6	3.88E-113	0.997	0.989	0.843	9.64E-109	7
Bub1	5.55E-113	0.500	0.312	0.038	1.38E-108	7
Rabgap1l	6.54E-113	0.562	0.571	0.118	1.62E-108	7
Trp53i11	9.53E-113	0.378	0.312	0.035	2.37E-108	7
S1pr4	1.29E-112	0.367	0.409	0.06	3.20E-108	7
Gpr68	1.47E-112	0.483	0.415	0.065	3.66E-108	7
Ptpn7	1.55E-112	0.705	0.702	0.195	3.84E-108	7
Snrpg	3.49E-112	1.184	0.943	0.55	8.67E-108	7
Pmf1	5.44E-112	0.558	0.483	0.095	1.35E-107	7
Carmil2	5.92E-112	0.468	0.392	0.057	1.47E-107	7
Rps5	8.11E-112	1.040	0.991	0.791	2.01E-107	7
Tfdp1	9.06E-112	0.805	0.605	0.156	2.25E-107	7
Eef2	1.21E-111	1.045	0.989	0.805	3.00E-107	7
Serpine2	1.28E-111	0.852	0.253	0.024	3.18E-107	7
Cers4	1.58E-111	0.344	0.284	0.029	3.93E-107	7
Racgap1	2.38E-111	0.580	0.503	0.099	5.92E-107	7
Npm3	7.58E-111	0.975	0.784	0.271	1.88E-106	7
Rps24	9.28E-111	0.908	0.994	0.864	2.30E-106	7
Rplp1	1.66E-110	0.969	0.997	0.894	4.12E-106	7
Rpl12	1.17E-109	1.095	0.986	0.75	2.90E-105	7
Rpl7	2.30E-109	1.034	0.991	0.766	5.72E-105	7
Fam169b	8.27E-109	0.256	0.256	0.024	2.05E-104	7
Gem	9.44E-109	0.730	0.494	0.094	2.34E-104	7
Xlr4b	1.40E-108	0.286	0.259	0.025	3.49E-104	7
H2-Q7	1.60E-108	1.050	0.96	0.397	3.98E-104	7
Ptch1	1.75E-108	0.336	0.261	0.026	4.34E-104	7
Ppp1cc	2.65E-108	1.024	0.94	0.441	6.58E-104	7
Dhfr	3.41E-108	0.557	0.415	0.07	8.46E-104	7
Paics	3.97E-108	1.033	0.812	0.3	9.85E-104	7
Gimap5	1.28E-107	0.267	0.29	0.031	3.18E-103	7
6-Sep	1.49E-107	0.630	0.676	0.168	3.70E-103	7

Rpl35	3.00E-107	1.088	0.991	0.783	7.46E-103	7
Hopx	3.48E-107	0.926	0.685	0.185	8.63E-103	7
Arl6ip1	5.05E-107	1.533	0.96	0.619	1.25E-102	7
Rangap1	5.49E-107	1.007	0.844	0.328	1.36E-102	7
Hnrnpa2b1	2.42E-106	1.065	1	0.845	6.00E-102	7
Mmd	3.64E-106	0.655	0.616	0.151	9.03E-102	7
Rpl15	4.65E-106	1.017	0.98	0.766	1.15E-101	7
Basp1	5.54E-106	-3.705	0.241	0.755	1.38E-101	7
Atp10a	8.11E-106	0.282	0.253	0.025	2.02E-101	7
Anxa6	9.52E-106	0.946	0.869	0.354	2.37E-101	7
Hist1h4d	1.72E-105	0.399	0.341	0.047	4.27E-101	7
Dlgap5	4.31E-105	0.301	0.253	0.026	1.07E-100	7
Gnas	4.48E-105	1.010	0.997	0.811	1.11E-100	7
Cdc25b	1.28E-104	0.491	0.338	0.047	3.17E-100	7
Ppia	2.92E-104	1.051	0.991	0.809	7.25E-100	7
Tshz1	3.20E-104	0.592	0.489	0.099	7.94E-100	7
Ccnb1	4.99E-104	0.294	0.264	0.029	1.24E-99	7
Limd2	1.11E-103	0.731	0.705	0.21	2.77E-99	7
Fkbp3	1.48E-103	0.863	0.724	0.238	3.66E-99	7
Hjurp	1.87E-103	0.592	0.486	0.099	4.64E-99	7
Lgals3	2.81E-103	-3.551	0.577	0.826	6.97E-99	7
Ssrp1	4.52E-103	1.074	0.759	0.28	1.12E-98	7
Vgll4	4.55E-103	0.755	0.739	0.216	1.13E-98	7
Cbx5	5.52E-103	0.684	0.543	0.128	1.37E-98	7
Anp32e	6.11E-103	1.162	0.881	0.409	1.52E-98	7
Msh2	7.59E-103	0.310	0.301	0.038	1.88E-98	7
Rpl34	1.24E-102	0.954	0.986	0.853	3.08E-98	7
Cd226	1.68E-102	0.434	0.264	0.029	4.18E-98	7
Nucks1	1.85E-102	1.086	0.81	0.317	4.58E-98	7
Ssbp3	5.93E-102	0.844	0.727	0.23	1.47E-97	7
Twsg1	2.81E-101	0.508	0.435	0.081	6.98E-97	7
Prkca	3.01E-101	0.313	0.315	0.041	7.49E-97	7
Kif20b	3.91E-101	0.458	0.318	0.043	9.71E-97	7
Plekha2	6.88E-101	0.879	0.824	0.304	1.71E-96	7
Dtymk	8.75E-101	0.619	0.494	0.112	2.17E-96	7
Trip13	1.09E-100	0.326	0.259	0.029	2.70E-96	7
Dhcr24	1.11E-100	0.739	0.545	0.128	2.76E-96	7
Nono	1.50E-100	1.072	0.906	0.483	3.74E-96	7
Ppat	2.55E-100	0.495	0.409	0.074	6.34E-96	7
Casp8ap2	2.80E-100	0.857	0.662	0.19	6.95E-96	7
Hspd1	6.08E-100	1.328	0.906	0.445	1.51E-95	7
Nfatc1	7.92E-100	0.752	0.688	0.197	1.97E-95	7
Slc12a2	1.25E-99	0.513	0.392	0.067	3.12E-95	7
Lilr4b	1.35E-99	-2.818	0.236	0.754	3.36E-95	7
Stat4	2.34E-99	0.473	0.52	0.105	5.81E-95	7
Mllt3	2.47E-99	0.516	0.517	0.111	6.13E-95	7

Tk1	2.47E-99	0.407	0.315	0.043	6.15E-95	7
Plaur	3.83E-99	-3.159	0.116	0.706	9.51E-95	7
Rps15	4.52E-99	0.891	0.994	0.805	1.12E-94	7
Hcst	2.75E-98	0.616	0.588	0.146	6.84E-94	7
Serpina3g	3.99E-98	0.596	0.457	0.089	9.92E-94	7
Rpl30	4.26E-98	0.970	0.983	0.798	1.06E-93	7
Faah	4.37E-98	0.257	0.259	0.028	1.09E-93	7
Set	6.51E-98	1.294	0.949	0.6	1.62E-93	7
Dek	7.16E-98	1.255	0.96	0.58	1.78E-93	7
Dpy30	7.40E-98	0.687	0.614	0.177	1.84E-93	7
Ptma	9.92E-98	1.163	1	0.925	2.46E-93	7
Ftl1-ps1	1.40E-97	-2.396	0.696	0.835	3.47E-93	7
Traf4	2.66E-97	0.332	0.366	0.057	6.60E-93	7
Fam3c	3.01E-97	0.586	0.554	0.138	7.47E-93	7
Gramd3	4.18E-97	0.569	0.543	0.124	1.04E-92	7
H2-Q6	4.81E-97	0.939	0.96	0.393	1.19E-92	7
Nlrc3	6.48E-97	0.366	0.267	0.031	1.61E-92	7
Rps23	9.73E-97	0.885	0.997	0.842	2.42E-92	7
Apobec3	9.91E-97	0.954	0.702	0.232	2.46E-92	7
Ide	1.27E-96	0.674	0.554	0.143	3.15E-92	7
Sumo2	1.31E-96	1.101	0.957	0.616	3.25E-92	7
Sh3kbp1	2.52E-96	0.988	0.909	0.411	6.26E-92	7
Inpp1	4.88E-96	0.336	0.33	0.048	1.21E-91	7
Smc1a	5.74E-96	0.990	0.764	0.288	1.43E-91	7
Npat	1.12E-95	0.462	0.412	0.076	2.78E-91	7
Izumo1r	2.06E-95	0.445	0.338	0.048	5.12E-91	7
Tipr1	2.29E-95	1.213	0.781	0.309	5.68E-91	7
Camk2n1	3.67E-95	0.507	0.304	0.041	9.12E-91	7
Phf6	5.00E-95	0.451	0.48	0.102	1.24E-90	7
Sae1	7.16E-95	0.673	0.642	0.187	1.78E-90	7
Fdx1	1.37E-94	0.513	0.446	0.092	3.41E-90	7
Nmrk1	1.40E-94	0.546	0.338	0.053	3.49E-90	7
Acot7	1.96E-94	0.721	0.67	0.205	4.87E-90	7
Smc6	2.34E-94	0.982	0.821	0.333	5.82E-90	7
Plcg1	3.45E-94	0.340	0.298	0.04	8.57E-90	7
Eif3h	6.08E-94	0.980	0.957	0.597	1.51E-89	7
Cd14	1.65E-93	-3.641	0.111	0.678	4.09E-89	7
Bra1	2.20E-93	0.387	0.25	0.029	5.45E-89	7
Rps2	2.77E-93	1.085	0.98	0.789	6.87E-89	7
Usp1	4.01E-93	0.751	0.699	0.221	9.97E-89	7
Cdk6	4.96E-93	0.887	0.659	0.201	1.23E-88	7
Pds5b	6.00E-93	0.372	0.435	0.086	1.49E-88	7
Gm8186	6.64E-93	0.827	0.787	0.304	1.65E-88	7
Dkc1	1.10E-92	0.599	0.446	0.096	2.73E-88	7
Fth1	1.32E-92	-2.474	0.994	0.983	3.29E-88	7
Rpl8	2.91E-92	0.991	0.983	0.756	7.23E-88	7

Npm1	2.98E-92	1.193	0.986	0.794	7.41E-88	7
Cip2a	3.36E-92	0.358	0.298	0.042	8.35E-88	7
Mcl1	4.24E-92	-1.676	0.92	0.893	1.05E-87	7
Wdr76	5.25E-92	0.314	0.259	0.031	1.31E-87	7
Rdx	8.96E-92	0.908	0.852	0.371	2.22E-87	7
Hsp90ab1	1.23E-91	0.989	0.994	0.88	3.04E-87	7
Tmem158	8.54E-91	0.482	0.301	0.043	2.12E-86	7
Exosc8	2.14E-90	0.614	0.599	0.172	5.31E-86	7
Rpl23	2.75E-90	0.754	0.997	0.912	6.82E-86	7
Lrba	2.95E-90	0.410	0.372	0.065	7.34E-86	7
Lockd	5.32E-90	0.369	0.295	0.042	1.32E-85	7
Rfwd3	7.40E-90	0.577	0.466	0.107	1.84E-85	7
Ddit4	2.67E-89	1.011	0.764	0.266	6.64E-85	7
Pola1	2.95E-89	0.462	0.352	0.062	7.32E-85	7
Rplp2	4.63E-89	0.825	0.991	0.855	1.15E-84	7
Sdf4	7.20E-89	1.088	0.866	0.403	1.79E-84	7
Rpl9	7.37E-89	0.848	0.983	0.841	1.83E-84	7
Asns	8.35E-89	0.300	0.287	0.039	2.07E-84	7
Alox5ap	8.56E-89	-2.653	0.057	0.635	2.13E-84	7
Ier5l	1.43E-88	0.515	0.418	0.083	3.55E-84	7
Trp53inp1	2.09E-88	0.744	0.58	0.148	5.20E-84	7
Ppil1	4.70E-88	0.399	0.46	0.102	1.17E-83	7
Polr3k	8.83E-88	0.526	0.517	0.133	2.19E-83	7
Hnrnpab	9.91E-88	1.049	0.963	0.727	2.46E-83	7
Syt11	1.49E-87	0.520	0.378	0.07	3.69E-83	7
Nol7	1.51E-87	0.852	0.798	0.329	3.74E-83	7
Rpl31	1.78E-87	0.813	0.997	0.835	4.41E-83	7
Dnmt1	1.82E-87	0.719	0.551	0.151	4.53E-83	7
Psap	2.32E-87	-3.326	0.906	0.846	5.77E-83	7
Rpl22l1	2.61E-87	0.993	0.929	0.53	6.48E-83	7
Haus4	2.78E-87	0.319	0.301	0.045	6.91E-83	7
Atp2a3	2.98E-87	0.329	0.494	0.108	7.40E-83	7
Rpl37	5.52E-87	0.825	0.983	0.841	1.37E-82	7
Kif23	5.96E-87	0.505	0.46	0.099	1.48E-82	7
Csf2rb	8.71E-87	-2.922	0.088	0.648	2.16E-82	7
Rps14	1.15E-86	0.835	0.989	0.861	2.86E-82	7
Carnmt1	1.35E-86	0.479	0.517	0.131	3.35E-82	7
11-Sep	1.41E-86	0.807	0.781	0.297	3.49E-82	7
Cnn2	1.47E-86	0.841	0.903	0.395	3.64E-82	7
Eif3e	2.37E-86	0.970	0.949	0.551	5.87E-82	7
Rpl13a	4.03E-86	0.843	0.71	0.263	1.00E-81	7
App	7.42E-86	-2.587	0.094	0.639	1.84E-81	7
Lsm6	9.66E-86	0.717	0.628	0.203	2.40E-81	7
Hprt	1.03E-85	0.879	0.852	0.387	2.57E-81	7
Rpia	1.25E-85	0.530	0.517	0.131	3.10E-81	7
Il2rg	1.69E-85	0.947	0.935	0.491	4.21E-81	7

Sms	2.49E-85	0.761	0.713	0.251	6.18E-81	7
Rpl21	4.25E-85	0.875	0.986	0.758	1.06E-80	7
Etaa1	4.33E-85	0.336	0.298	0.045	1.07E-80	7
Hmgcs1	4.65E-85	0.957	0.665	0.222	1.16E-80	7
Ccdc34	5.89E-85	0.457	0.401	0.083	1.46E-80	7
Rwdd1	6.43E-85	0.819	0.79	0.323	1.60E-80	7
Fam98b	8.56E-85	0.589	0.58	0.167	2.13E-80	7
Rps19	1.01E-84	0.889	0.989	0.783	2.50E-80	7
Tipin	1.21E-84	0.358	0.281	0.041	3.02E-80	7
Aes	2.73E-84	0.911	0.963	0.541	6.77E-80	7
Rpl27	3.17E-84	0.859	0.983	0.744	7.88E-80	7
Serpinb9	3.97E-84	1.093	0.628	0.197	9.87E-80	7
Rpl13	1.27E-83	0.813	0.994	0.834	3.17E-79	7
Ilf2	1.89E-83	0.519	0.56	0.156	4.69E-79	7
Gm11808	1.97E-83	0.843	0.986	0.749	4.89E-79	7
Ybx3	2.90E-83	1.191	0.884	0.47	7.20E-79	7
Rps16	4.47E-83	0.781	0.994	0.854	1.11E-78	7
Arl14ep	4.86E-83	0.484	0.352	0.065	1.21E-78	7
Rpl10a	5.23E-83	0.930	0.957	0.62	1.30E-78	7
Smarca5	5.96E-83	1.000	0.935	0.583	1.48E-78	7
Pkp3	1.00E-82	0.409	0.361	0.065	2.48E-78	7
Ttc39c	1.19E-82	0.341	0.432	0.091	2.96E-78	7
Jade2	1.80E-82	0.265	0.281	0.041	4.48E-78	7
Cd68	1.88E-82	-2.847	0.193	0.666	4.67E-78	7
Lgals1	2.79E-82	1.090	0.983	0.689	6.92E-78	7
Cd4	2.87E-82	0.625	0.423	0.086	7.13E-78	7
Hdac7	3.19E-82	0.395	0.406	0.083	7.93E-78	7
B4galnt1	6.10E-82	1.002	0.739	0.29	1.52E-77	7
Snrpf	1.01E-81	0.869	0.872	0.434	2.50E-77	7
Rpl11	1.65E-81	0.831	0.991	0.767	4.10E-77	7
Ndfip1	1.83E-81	0.640	0.75	0.278	4.54E-77	7
Ncbp1	2.14E-81	0.625	0.631	0.196	5.31E-77	7
Slc35d1	2.30E-81	0.379	0.384	0.075	5.72E-77	7
Rps11	3.21E-81	0.798	0.989	0.822	7.98E-77	7
Ppp1ca	6.97E-81	0.916	0.949	0.594	1.73E-76	7
Rpl18	7.35E-81	0.855	0.98	0.765	1.83E-76	7
Cntrl	1.08E-80	0.645	0.665	0.218	2.68E-76	7
Blmh	1.24E-80	0.628	0.636	0.204	3.07E-76	7
Rbm3	2.45E-80	0.934	0.963	0.694	6.07E-76	7
Fundc2	5.23E-80	0.732	0.753	0.291	1.30E-75	7
Emilin2	6.61E-80	-2.314	0.08	0.613	1.64E-75	7
Rasal3	9.00E-80	0.312	0.344	0.061	2.24E-75	7
Anp32b	1.42E-79	1.026	0.946	0.622	3.53E-75	7
Idh3a	1.56E-79	0.482	0.517	0.141	3.87E-75	7
Rfc5	1.56E-79	0.426	0.369	0.076	3.88E-75	7
Erh	1.70E-79	0.912	0.79	0.375	4.22E-75	7

Pcna-ps2	1.71E-79	0.491	0.619	0.189	4.26E-75	7
Trp53	1.81E-79	0.717	0.795	0.327	4.50E-75	7
E2f2	1.92E-79	0.471	0.361	0.07	4.78E-75	7
Foxp3	2.03E-79	0.905	0.389	0.077	5.03E-75	7
Ubxn2a	2.06E-79	0.476	0.574	0.16	5.11E-75	7
Lsm5	2.06E-79	0.596	0.599	0.188	5.12E-75	7
Rbbp4	2.51E-79	0.930	0.889	0.479	6.23E-75	7
Chchd10	3.30E-79	0.496	0.406	0.089	8.20E-75	7
Chek1	3.79E-79	0.294	0.278	0.042	9.41E-75	7
Foxo1	9.06E-79	0.679	0.705	0.238	2.25E-74	7
Eif3f	9.73E-79	0.869	0.952	0.567	2.42E-74	7
Gm10073	1.02E-78	0.890	0.963	0.664	2.54E-74	7
Ikzf1	1.22E-78	0.674	0.716	0.259	3.02E-74	7
Nsd2	1.32E-78	0.537	0.509	0.135	3.29E-74	7
Rps17	1.50E-78	0.926	0.986	0.736	3.72E-74	7
Atxn1	1.86E-78	0.423	0.5	0.123	4.63E-74	7
Ddx19a	2.01E-78	0.549	0.588	0.184	4.99E-74	7
Dbf4	2.48E-78	0.618	0.54	0.15	6.15E-74	7
Ly75	2.69E-78	0.348	0.426	0.09	6.68E-74	7
Rpl24	2.85E-78	0.810	0.986	0.783	7.08E-74	7
H2afx	4.51E-78	0.655	0.551	0.159	1.12E-73	7
Baz1b	7.50E-78	0.800	0.773	0.315	1.86E-73	7
Abca2	8.76E-78	0.403	0.415	0.09	2.18E-73	7
Rnf138	1.15E-77	0.483	0.602	0.179	2.86E-73	7
Hnrnpa1	1.31E-77	0.945	0.955	0.651	3.26E-73	7
Gm42047	1.41E-77	0.553	0.358	0.07	3.50E-73	7
Mtf2	1.58E-77	0.499	0.625	0.19	3.92E-73	7
Alyref	2.43E-77	0.831	0.815	0.375	6.03E-73	7
Rfc4	2.75E-77	0.290	0.27	0.041	6.84E-73	7
Lsm8	6.27E-77	0.507	0.551	0.16	1.56E-72	7
Hmgcr	7.06E-77	0.679	0.707	0.254	1.75E-72	7
Rpl29	1.40E-76	0.855	0.974	0.715	3.49E-72	7
Ifngr1	1.94E-76	0.929	0.858	0.411	4.81E-72	7
Hpf1	2.68E-76	0.674	0.634	0.219	6.65E-72	7
Pcna	2.92E-76	1.033	0.955	0.65	7.25E-72	7
Sesn3	3.40E-76	0.381	0.401	0.085	8.45E-72	7
Ncl	5.05E-76	0.872	0.991	0.838	1.26E-71	7
Rpl27a	6.77E-76	0.736	0.991	0.851	1.68E-71	7
Ccnd2	6.92E-76	0.924	0.795	0.319	1.72E-71	7
Cstb	9.96E-76	-2.476	0.696	0.802	2.48E-71	7
Grap2	2.37E-75	0.519	0.511	0.134	5.89E-71	7
Nfatc3	2.45E-75	0.534	0.685	0.236	6.08E-71	7
Csf2ra	2.88E-75	-2.035	0.168	0.638	7.14E-71	7
Fen1	8.35E-75	0.592	0.517	0.149	2.07E-70	7
Rps27a	1.05E-74	0.760	0.989	0.864	2.61E-70	7
Rnf149	1.13E-74	-2.371	0.509	0.758	2.80E-70	7

Bex3	1.13E-74	0.560	0.611	0.189	2.80E-70	7
Prps2	1.55E-74	0.399	0.392	0.087	3.85E-70	7
Trnt1	2.00E-74	0.517	0.554	0.164	4.98E-70	7
Rpl41	2.19E-74	0.741	0.997	0.91	5.44E-70	7
Ifitm2	2.87E-74	-2.265	0.196	0.654	7.13E-70	7
Mbnl1	3.10E-74	0.819	0.963	0.564	7.70E-70	7
Spi1	7.45E-74	-1.867	0.08	0.594	1.85E-69	7
Zbtb1	1.14E-73	0.599	0.778	0.29	2.84E-69	7
Rfc2	1.39E-73	0.699	0.634	0.226	3.46E-69	7
Rasgrp1	1.67E-73	0.343	0.344	0.066	4.14E-69	7
Cebpb	2.15E-73	-2.355	0.622	0.79	5.33E-69	7
Isy1	2.16E-73	0.604	0.81	0.325	5.38E-69	7
Slc25a4	3.24E-73	0.810	0.781	0.342	8.05E-69	7
Cdc25a	4.27E-73	0.468	0.384	0.085	1.06E-68	7
Marcks	5.91E-73	-2.467	0.068	0.583	1.47E-68	7
Eef1g	6.58E-73	0.927	0.946	0.556	1.63E-68	7
Odc1	1.34E-72	1.105	0.969	0.668	3.33E-68	7
Rad21	1.47E-72	0.709	0.832	0.383	3.66E-68	7
Ppp1r8	2.11E-72	0.426	0.537	0.152	5.23E-68	7
Dgka	2.13E-72	0.519	0.54	0.147	5.28E-68	7
Hnrnpull1	3.77E-72	0.830	0.915	0.509	9.35E-68	7
Sdcbp	4.47E-72	-1.694	0.807	0.819	1.11E-67	7
Nop58	5.61E-72	0.916	0.778	0.348	1.39E-67	7
Celf2	5.79E-72	0.919	0.932	0.541	1.44E-67	7
Pkmyt1	7.72E-72	0.432	0.293	0.052	1.92E-67	7
Rps9	7.92E-72	0.686	1	0.911	1.97E-67	7
Def6	1.68E-71	0.466	0.526	0.149	4.18E-67	7
Ptafr	1.92E-71	-2.094	0.054	0.568	4.76E-67	7
Snrnp25	2.07E-71	0.446	0.415	0.103	5.14E-67	7
Slc7a5	2.13E-71	0.544	0.591	0.185	5.30E-67	7
Coro1a	2.22E-71	0.847	0.986	0.753	5.51E-67	7
Suz12	2.46E-71	0.779	0.724	0.29	6.12E-67	7
Cst3	3.86E-71	-3.193	0.841	0.791	9.58E-67	7
Erg28	4.59E-71	0.448	0.474	0.129	1.14E-66	7
Csrp1	5.30E-71	0.583	0.724	0.274	1.32E-66	7
Vbp1	5.37E-71	0.456	0.597	0.194	1.33E-66	7
Wrnip1	6.21E-71	0.379	0.395	0.091	1.54E-66	7
Pa2g4	6.68E-71	1.037	0.821	0.424	1.66E-66	7
Dhx9	7.51E-71	0.756	0.858	0.441	1.86E-66	7
Nsmce4a	8.34E-71	0.411	0.472	0.126	2.07E-66	7
Strbp	9.35E-71	0.301	0.361	0.075	2.32E-66	7
Aebp2	1.00E-70	0.682	0.864	0.397	2.49E-66	7
Parvg	1.03E-70	0.460	0.548	0.16	2.55E-66	7
Ss18	1.12E-70	0.557	0.739	0.281	2.78E-66	7
Tfrc	1.25E-70	0.682	0.673	0.243	3.11E-66	7
Ppp3cb	1.37E-70	0.581	0.659	0.241	3.40E-66	7



Cblb	1.42E-70	0.645	0.727	0.263	3.53E-66	7
Nfyb	1.58E-70	0.340	0.401	0.093	3.93E-66	7
Syncrip	1.78E-70	0.744	0.872	0.44	4.42E-66	7
Tsn	1.84E-70	0.789	0.784	0.355	4.57E-66	7
Chsy1	2.72E-70	0.521	0.526	0.154	6.76E-66	7
Banf1	2.91E-70	0.896	0.795	0.397	7.22E-66	7
Zc3h15	3.28E-70	0.795	0.903	0.5	8.14E-66	7
Rpl14	3.29E-70	0.886	0.963	0.675	8.16E-66	7
Ifitm3	3.46E-70	-2.764	0.091	0.585	8.60E-66	7
Ctss	3.53E-70	-3.249	0.776	0.774	8.76E-66	7
Cnbp	3.96E-70	0.802	0.972	0.775	9.84E-66	7
Akna	4.41E-70	0.376	0.557	0.159	1.09E-65	7
Hint1	5.69E-70	0.856	0.869	0.46	1.41E-65	7
Rpl18a	8.38E-70	0.695	0.989	0.822	2.08E-65	7
Lpcat4	2.03E-69	0.295	0.31	0.057	5.03E-65	7
Pabpc4	2.16E-69	0.605	0.636	0.232	5.37E-65	7
Gbp7	3.16E-69	0.592	0.616	0.198	7.85E-65	7
Nde1	4.17E-69	0.373	0.406	0.097	1.04E-64	7
Mthfd1	7.33E-69	0.335	0.304	0.058	1.82E-64	7
Ncapd3	9.69E-69	0.292	0.287	0.051	2.41E-64	7
Med14	1.96E-68	0.395	0.429	0.107	4.87E-64	7
Rbl1	2.04E-68	0.349	0.33	0.068	5.07E-64	7
Snrnp40	2.05E-68	0.399	0.455	0.121	5.09E-64	7
Tgfbi	5.24E-68	-2.759	0.04	0.541	1.30E-63	7
Pabpc1	7.94E-68	0.618	0.994	0.929	1.97E-63	7
Ppih	8.92E-68	0.387	0.412	0.104	2.21E-63	7
Slc35e2	9.24E-68	0.356	0.429	0.106	2.29E-63	7
Gins4	1.05E-67	0.418	0.415	0.105	2.61E-63	7
Ikzf4	1.16E-67	0.365	0.31	0.057	2.89E-63	7
Eif1ax	1.61E-67	0.693	0.739	0.32	4.01E-63	7
Yaf2	1.93E-67	0.355	0.46	0.123	4.79E-63	7
Itgav	2.11E-67	0.687	0.815	0.36	5.23E-63	7
Rps12-ps3	4.58E-67	0.881	0.918	0.599	1.14E-62	7
Fcgr2b	5.11E-67	-2.531	0.054	0.544	1.27E-62	7
Ifi207	6.00E-67	-2.019	0.034	0.531	1.49E-62	7
Uqcrh	6.61E-67	0.768	0.963	0.704	1.64E-62	7
Haus3	7.01E-67	0.332	0.443	0.113	1.74E-62	7
Plin2	7.02E-67	-2.329	0.247	0.647	1.74E-62	7
Spint2	9.22E-67	0.299	0.366	0.078	2.29E-62	7
Hsph1	9.35E-67	1.012	0.855	0.424	2.32E-62	7
Larp7	1.04E-66	0.549	0.648	0.235	2.57E-62	7
Wdr6	1.39E-66	0.250	0.304	0.057	3.45E-62	7
Mdh1	3.34E-66	0.762	0.821	0.398	8.30E-62	7
Rpl37a	3.78E-66	0.714	0.997	0.854	9.39E-62	7
G3bp2	3.92E-66	0.810	0.812	0.405	9.74E-62	7
Fos	4.62E-66	-2.839	0.199	0.642	1.15E-61	7

Mthfd2	5.15E-66	0.599	0.653	0.242	1.28E-61	7
Birc2	6.15E-66	0.466	0.662	0.221	1.53E-61	7
Batf	6.34E-66	0.431	0.463	0.126	1.58E-61	7
Tpd52	6.37E-66	-2.026	0.312	0.658	1.58E-61	7
Haus6	7.41E-66	0.259	0.298	0.057	1.84E-61	7
Stat3	1.11E-65	1.053	0.972	0.731	2.76E-61	7
Msh6	1.22E-65	0.259	0.287	0.052	3.03E-61	7
Prpf4	1.27E-65	0.349	0.455	0.121	3.16E-61	7
Hspe1	1.28E-65	1.015	0.94	0.617	3.19E-61	7
Syk	1.39E-65	-1.709	0.068	0.55	3.45E-61	7
Cetn2	1.61E-65	0.386	0.44	0.119	4.00E-61	7
Dis3	1.76E-65	0.302	0.355	0.079	4.37E-61	7
Smc3	1.80E-65	0.664	0.824	0.381	4.47E-61	7
Srsf1	2.11E-65	0.639	0.693	0.279	5.23E-61	7
Cmtm7	2.67E-65	0.811	0.812	0.392	6.64E-61	7
Rps21	3.11E-65	0.717	0.98	0.783	7.72E-61	7
Mrpl18	5.85E-65	0.656	0.67	0.271	1.45E-60	7
Ctsb	7.52E-65	-2.714	0.912	0.847	1.87E-60	7
Tmem263	8.16E-65	0.272	0.29	0.053	2.03E-60	7
Fcgr3	9.52E-65	-2.132	0.051	0.53	2.37E-60	7
Cbfb	1.03E-64	0.628	0.764	0.328	2.55E-60	7
Ilrn	1.33E-64	-3.515	0.062	0.543	3.31E-60	7
Gabarap	2.24E-64	-1.199	0.915	0.847	5.56E-60	7
Bmyc	2.60E-64	0.466	0.364	0.084	6.46E-60	7
Ptp4a3	2.65E-64	0.289	0.276	0.05	6.57E-60	7
Pnkd	3.33E-64	0.372	0.355	0.081	8.27E-60	7
Prkar1a	6.99E-64	0.746	0.966	0.671	1.74E-59	7
Mat2b	8.74E-64	0.455	0.662	0.246	2.17E-59	7
Ptbp1	8.81E-64	0.746	0.96	0.63	2.19E-59	7
Gm10282	1.11E-63	0.329	0.335	0.074	2.77E-59	7
Setx	1.27E-63	0.413	0.466	0.132	3.14E-59	7
Hist1h4i	1.35E-63	0.396	0.392	0.096	3.35E-59	7
Sec11c	2.12E-63	0.836	0.878	0.514	5.27E-59	7
Brd9	2.29E-63	0.358	0.423	0.11	5.69E-59	7
Ccr1	2.54E-63	-2.510	0.057	0.534	6.32E-59	7
Mthfd11	3.20E-63	0.432	0.446	0.123	7.95E-59	7
Zfp36	3.49E-63	-1.992	0.727	0.845	8.66E-59	7
Nudcd2	4.10E-63	0.468	0.429	0.12	1.02E-58	7
Mrps6	9.61E-63	0.436	0.67	0.241	2.39E-58	7
Atp5a1	1.17E-62	0.780	0.955	0.66	2.90E-58	7
Glpr1	1.95E-62	0.683	0.764	0.331	4.85E-58	7
Mettl23	2.04E-62	0.419	0.523	0.164	5.05E-58	7
Ddx20	2.07E-62	0.294	0.358	0.083	5.14E-58	7
Cacybp	2.72E-62	0.706	0.736	0.327	6.76E-58	7
Nudt21	2.89E-62	0.470	0.597	0.206	7.18E-58	7
Grn	3.93E-62	-2.559	0.338	0.653	9.75E-58	7

Ccl6	4.88E-62	-3.665	0.128	0.565	1.21E-57	7
Ly6a	7.21E-62	0.821	0.767	0.311	1.79E-57	7
Vars	8.66E-62	0.332	0.355	0.084	2.15E-57	7
Fam107b	8.82E-62	0.626	0.938	0.496	2.19E-57	7
Cyld	1.29E-61	0.361	0.636	0.226	3.19E-57	7
Zfp53	1.78E-61	0.345	0.375	0.088	4.42E-57	7
Rpl38	2.06E-61	0.635	0.997	0.851	5.11E-57	7
Hmox1	2.07E-61	-3.245	0.153	0.572	5.14E-57	7
Prmt1	2.97E-61	0.628	0.656	0.267	7.37E-57	7
Btg3	4.08E-61	0.374	0.509	0.152	1.01E-56	7
Nlrp3	4.23E-61	-2.974	0.068	0.532	1.05E-56	7
Kars	4.28E-61	0.500	0.548	0.19	1.06E-56	7
Kpnb1	5.83E-61	0.748	0.81	0.408	1.45E-56	7
Siva1	6.00E-61	0.525	0.594	0.211	1.49E-56	7
Hp1bp3	6.12E-61	0.656	0.784	0.358	1.52E-56	7
Gna15	1.29E-60	0.326	0.352	0.082	3.20E-56	7
Cbx1	1.37E-60	0.651	0.653	0.267	3.40E-56	7
Gm11361	1.43E-60	0.560	0.69	0.282	3.56E-56	7
Atp5g3	1.53E-60	0.808	0.952	0.655	3.80E-56	7
Gmps	1.61E-60	0.528	0.625	0.238	3.99E-56	7
Thoc3	1.91E-60	0.351	0.42	0.114	4.74E-56	7
Stip1	2.02E-60	0.589	0.673	0.276	5.01E-56	7
Lgmn	2.07E-60	-2.553	0.082	0.531	5.15E-56	7
Hccs	2.15E-60	0.612	0.693	0.276	5.35E-56	7
Dynll2	2.41E-60	0.520	0.659	0.255	5.98E-56	7
Cisd1	2.54E-60	0.380	0.443	0.129	6.30E-56	7
Rpl9-ps6	2.65E-60	0.750	0.955	0.693	6.58E-56	7
Atp5g2	3.36E-60	0.785	0.94	0.619	8.35E-56	7
Nrm	3.54E-60	0.488	0.435	0.122	8.80E-56	7
Crot	3.70E-60	0.369	0.321	0.072	9.19E-56	7
Akr1b3	3.83E-60	0.589	0.764	0.331	9.51E-56	7
Lyar	4.09E-60	0.584	0.528	0.183	1.02E-55	7
Adipor2	4.20E-60	0.626	0.855	0.423	1.04E-55	7
Rfc1	4.97E-60	0.519	0.46	0.14	1.23E-55	7
Fnip2	6.08E-60	-2.038	0.128	0.562	1.51E-55	7
Plbd1	6.74E-60	-2.037	0.017	0.484	1.67E-55	7
Itgam	7.11E-60	-2.132	0.057	0.512	1.77E-55	7
Psmb1	7.62E-60	0.700	0.938	0.588	1.89E-55	7
Bzw1	8.62E-60	0.712	0.957	0.625	2.14E-55	7
Prmt5	8.80E-60	0.365	0.384	0.1	2.18E-55	7
Ghitm	1.13E-59	0.714	0.943	0.568	2.81E-55	7
Tcp1	1.16E-59	0.792	0.855	0.491	2.88E-55	7
Cct2	1.16E-59	0.756	0.895	0.522	2.88E-55	7
Dnajc2	1.51E-59	0.623	0.676	0.282	3.75E-55	7
Ctsh	1.56E-59	-1.576	0.051	0.51	3.87E-55	7
Lamc1	1.87E-59	0.379	0.418	0.111	4.64E-55	7

Slc22a15	1.89E-59	0.292	0.307	0.064	4.69E-55	7
Eif2ak3	2.01E-59	0.417	0.449	0.128	5.00E-55	7
Magoh	2.38E-59	0.586	0.719	0.311	5.91E-55	7
Nolc1	2.75E-59	0.666	0.685	0.286	6.83E-55	7
Thoc7	3.10E-59	0.489	0.58	0.211	7.71E-55	7
Zeb2	3.40E-59	-2.085	0.318	0.654	8.46E-55	7
Rpl35a	3.43E-59	0.647	0.994	0.858	8.51E-55	7
Exosc2	4.35E-59	0.286	0.355	0.085	1.08E-54	7
Leprotl1	5.11E-59	0.670	0.773	0.356	1.27E-54	7
Ly86	5.16E-59	-1.856	0.037	0.496	1.28E-54	7
Eif2s3x	6.28E-59	0.659	0.812	0.402	1.56E-54	7
Ctcf	9.57E-59	0.691	0.719	0.324	2.38E-54	7
Slbp	1.03E-58	0.761	0.815	0.429	2.55E-54	7
Wfdc17	1.61E-58	-2.517	0.099	0.533	3.99E-54	7
Zc3h12d	1.78E-58	0.297	0.261	0.048	4.41E-54	7
Ctsz	1.81E-58	-1.809	0.372	0.653	4.50E-54	7
Pold2	2.01E-58	0.342	0.264	0.052	4.99E-54	7
Fkbp4	2.12E-58	0.519	0.631	0.244	5.28E-54	7
Rpl36a-ps1	2.21E-58	0.441	0.551	0.191	5.48E-54	7
Uhrf2	2.67E-58	0.811	0.77	0.358	6.63E-54	7
Ncf2	2.82E-58	-1.599	0.034	0.49	7.00E-54	7
Cep57	2.93E-58	0.364	0.44	0.126	7.28E-54	7
Atp5b	3.17E-58	0.735	0.92	0.542	7.89E-54	7
Prps1	3.31E-58	0.356	0.44	0.128	8.22E-54	7
Cenpa	3.62E-58	0.765	0.705	0.302	8.98E-54	7
Snape1	3.69E-58	0.355	0.46	0.135	9.17E-54	7
Supt16	3.76E-58	0.676	0.724	0.33	9.35E-54	7
Gmfg	4.55E-58	0.578	0.804	0.377	1.13E-53	7
Trim28	5.53E-58	0.552	0.801	0.38	1.37E-53	7
Nedd9	5.67E-58	0.475	0.483	0.146	1.41E-53	7
Esyt1	5.96E-58	0.705	0.861	0.428	1.48E-53	7
Ndufa4	7.09E-58	0.731	0.884	0.489	1.76E-53	7
Vcpkmt	7.53E-58	0.288	0.364	0.09	1.87E-53	7
H2-Ab1	1.03E-57	-4.498	0.457	0.679	2.55E-53	7
Tpm4	1.66E-57	0.717	0.909	0.529	4.13E-53	7
Uchl5	4.33E-57	0.573	0.665	0.277	1.08E-52	7
Efhd2	4.64E-57	-1.600	0.69	0.753	1.15E-52	7
Aldh18a1	5.00E-57	0.255	0.276	0.055	1.24E-52	7
Tdp2	5.35E-57	0.297	0.477	0.143	1.33E-52	7
Gm10076	6.47E-57	0.703	0.886	0.528	1.61E-52	7
Cpox	7.32E-57	0.436	0.457	0.143	1.82E-52	7
Tgm2	7.84E-57	-2.195	0.034	0.485	1.95E-52	7
Ints7	8.84E-57	0.351	0.406	0.112	2.20E-52	7
Ubxn7	8.90E-57	0.407	0.526	0.169	2.21E-52	7
Pim1	8.96E-57	-1.288	0.932	0.936	2.23E-52	7
Upf3b	1.01E-56	0.377	0.477	0.147	2.50E-52	7

Cnih1	1.03E-56	0.523	0.625	0.248	2.55E-52	7
Lamp1	1.20E-56	-2.081	0.449	0.675	2.98E-52	7
Thbs1	1.29E-56	-4.218	0.173	0.568	3.19E-52	7
Tubb5	1.36E-56	1.410	0.81	0.526	3.38E-52	7
Cd74	1.81E-56	-3.792	0.744	0.778	4.50E-52	7
Uba2	1.83E-56	0.408	0.56	0.2	4.54E-52	7
H2-Eb1	1.89E-56	-4.126	0.27	0.607	4.70E-52	7
Krtcap2	1.98E-56	0.774	0.838	0.461	4.91E-52	7
Tbrg1	2.09E-56	0.486	0.58	0.209	5.18E-52	7
Wdr89	2.37E-56	0.684	0.963	0.635	5.90E-52	7
Nsmaf	2.49E-56	0.351	0.332	0.079	6.18E-52	7
Nup85	3.42E-56	0.424	0.438	0.132	8.50E-52	7
Zeb1	4.00E-56	0.297	0.403	0.104	9.94E-52	7
Arhgap11a	5.42E-56	0.322	0.318	0.074	1.35E-51	7
Spcs3	5.61E-56	0.530	0.659	0.269	1.39E-51	7
Naca	5.89E-56	0.698	0.949	0.628	1.46E-51	7
Lclat1	6.31E-56	0.269	0.278	0.058	1.57E-51	7
Nedd4	7.45E-56	0.361	0.312	0.071	1.85E-51	7
Ier3	8.23E-56	-2.952	0.276	0.622	2.04E-51	7
Maz	8.73E-56	0.602	0.795	0.377	2.17E-51	7
Mpeg1	1.01E-55	-1.988	0.026	0.469	2.50E-51	7
Agfg1	1.05E-55	0.531	0.69	0.284	2.60E-51	7
Csf2rb2	1.34E-55	-1.918	0.043	0.483	3.33E-51	7
Cisd3	1.42E-55	0.320	0.352	0.09	3.52E-51	7
Shisa5	1.61E-55	0.681	0.92	0.526	4.01E-51	7
Sfxn1	1.87E-55	0.583	0.489	0.166	4.64E-51	7
H2-Aa	2.08E-55	-4.369	0.426	0.658	5.15E-51	7
Shmt2	2.22E-55	0.565	0.466	0.153	5.50E-51	7
Gla	2.39E-55	-1.863	0.324	0.653	5.92E-51	7
7-Sep	2.39E-55	0.750	0.909	0.596	5.93E-51	7
Ppm1d	3.77E-55	0.281	0.392	0.103	9.37E-51	7
Ywhaq	5.12E-55	0.686	0.852	0.472	1.27E-50	7
4930523C07Rik	5.27E-55	0.382	0.597	0.202	1.31E-50	7
Dpysl2	5.82E-55	0.574	0.662	0.273	1.45E-50	7
Iars	6.05E-55	0.314	0.386	0.106	1.50E-50	7
Nsa2	6.24E-55	0.668	0.952	0.596	1.55E-50	7
Sugt1	7.50E-55	0.659	0.827	0.434	1.86E-50	7
Cox6c	8.22E-55	0.678	0.974	0.684	2.04E-50	7
Timeless	1.13E-54	0.309	0.25	0.048	2.80E-50	7
Lyz2	1.19E-54	-4.357	0.33	0.618	2.95E-50	7
Nans	1.33E-54	0.510	0.594	0.226	3.31E-50	7
Anapc5	1.37E-54	0.468	0.582	0.216	3.40E-50	7
Zbtb38	1.59E-54	0.379	0.452	0.135	3.96E-50	7
Pdcd4	1.77E-54	0.378	0.543	0.179	4.39E-50	7
Abhd2	1.92E-54	0.404	0.534	0.18	4.77E-50	7
Ppal	1.99E-54	0.487	0.497	0.171	4.94E-50	7

Eef1d	2.03E-54	0.698	0.901	0.533	5.03E-50	7
Rpl22	2.57E-54	0.684	0.957	0.669	6.39E-50	7
Hnrnpr	2.58E-54	0.414	0.574	0.212	6.40E-50	7
Tmsb10	2.65E-54	0.664	0.997	0.816	6.59E-50	7
Sc5d	2.78E-54	0.316	0.483	0.149	6.90E-50	7
Psemb9	3.45E-54	0.458	0.619	0.237	8.56E-50	7
Prrc2b	3.62E-54	0.414	0.659	0.26	9.00E-50	7
Ssb	4.49E-54	0.710	0.923	0.617	1.12E-49	7
Atp8b2	5.85E-54	0.286	0.341	0.083	1.45E-49	7
Hif1a	6.38E-54	0.681	0.832	0.432	1.59E-49	7
Cct5	7.11E-54	0.659	0.875	0.466	1.77E-49	7
Atic	7.82E-54	0.478	0.48	0.161	1.94E-49	7
Tcof1	8.61E-54	0.519	0.619	0.24	2.14E-49	7
Gm10260	9.58E-54	0.298	0.361	0.095	2.38E-49	7
Tapbpl	1.06E-53	0.479	0.52	0.179	2.62E-49	7
Khdrbs1	1.13E-53	0.516	0.812	0.393	2.82E-49	7
Cks2	1.27E-53	0.515	0.81	0.37	3.15E-49	7
Tfam	1.31E-53	0.309	0.381	0.104	3.26E-49	7
Sqle	1.44E-53	0.457	0.472	0.15	3.57E-49	7
Mta1	1.54E-53	0.427	0.56	0.206	3.83E-49	7
Uap1	1.60E-53	0.580	0.722	0.318	3.98E-49	7
Med30	1.64E-53	0.357	0.415	0.124	4.08E-49	7
Emsy	1.68E-53	0.480	0.545	0.19	4.17E-49	7
Chordc1	1.69E-53	0.490	0.722	0.313	4.20E-49	7
Hspa14	1.73E-53	0.505	0.591	0.23	4.29E-49	7
Prpf38a	1.80E-53	0.323	0.489	0.16	4.47E-49	7
Igkc	1.90E-53	0.448	0.338	0.087	4.73E-49	7
Rpl7a	2.64E-53	0.614	0.989	0.801	6.56E-49	7
Pop5	2.69E-53	0.333	0.401	0.115	6.68E-49	7
Sri	2.92E-53	0.583	0.793	0.381	7.25E-49	7
Gtpbp1	3.52E-53	0.430	0.523	0.179	8.74E-49	7
Rsl1d1	3.83E-53	0.548	0.688	0.304	9.52E-49	7
Lsm2	4.08E-53	0.411	0.406	0.121	1.01E-48	7
S100a13	4.77E-53	0.666	0.866	0.466	1.18E-48	7
Rtraf	4.90E-53	0.565	0.67	0.288	1.22E-48	7
Pnn	5.55E-53	0.574	0.824	0.421	1.38E-48	7
Cxcl2	5.57E-53	-5.079	0.401	0.673	1.38E-48	7
Grk6	5.62E-53	0.354	0.381	0.105	1.40E-48	7
Fdft1	6.37E-53	0.411	0.438	0.133	1.58E-48	7
Lsm3	6.49E-53	0.480	0.58	0.226	1.61E-48	7
Eif3i	9.81E-53	0.634	0.807	0.421	2.44E-48	7
Eif3l	9.83E-53	0.613	0.761	0.377	2.44E-48	7
Eif4ebp2	1.60E-52	0.553	0.838	0.425	3.97E-48	7
Rcl1	1.78E-52	0.317	0.352	0.091	4.42E-48	7
Eif3m	2.05E-52	0.527	0.716	0.33	5.10E-48	7
Gar1	2.13E-52	0.363	0.389	0.112	5.29E-48	7

Hnrnpu	2.16E-52	0.692	0.955	0.723	5.38E-48	7
Lin54	2.48E-52	0.574	0.582	0.223	6.17E-48	7
Snrpd2	2.49E-52	0.615	0.688	0.321	6.17E-48	7
Pmepa1	2.55E-52	0.541	0.58	0.208	6.34E-48	7
Rcc2	2.63E-52	0.418	0.585	0.223	6.54E-48	7
Nfe2l2	2.69E-52	-1.622	0.236	0.594	6.69E-48	7
Smarcc1	2.71E-52	0.486	0.545	0.203	6.72E-48	7
Ncapg2	2.90E-52	0.543	0.443	0.141	7.20E-48	7
Rps28	4.04E-52	0.578	0.997	0.887	1.00E-47	7
Satb1	4.17E-52	0.278	0.446	0.128	1.03E-47	7
Nucb1	4.79E-52	0.640	0.866	0.466	1.19E-47	7
Ndc1	5.15E-52	0.261	0.264	0.056	1.28E-47	7
Zfp367	5.24E-52	0.361	0.31	0.074	1.30E-47	7
Emg1	6.31E-52	0.437	0.614	0.239	1.57E-47	7
Ciapin1	6.98E-52	0.337	0.497	0.163	1.73E-47	7
Cd63	7.45E-52	-2.233	0.091	0.495	1.85E-47	7
Cnot9	7.51E-52	0.440	0.5	0.174	1.87E-47	7
Scaf11	8.27E-52	0.598	0.801	0.4	2.05E-47	7
Csflr	1.15E-51	-1.726	0.048	0.463	2.85E-47	7
Dab2	1.41E-51	-1.974	0.031	0.449	3.51E-47	7
Rab7b	1.73E-51	-1.719	0.028	0.447	4.30E-47	7
Ube2s	2.25E-51	0.713	0.92	0.595	5.60E-47	7
Ddx27	3.20E-51	0.491	0.545	0.203	7.95E-47	7
Hcfc1	3.23E-51	0.386	0.506	0.174	8.02E-47	7
Arhgdib	3.66E-51	0.754	0.949	0.66	9.09E-47	7
E2f4	4.26E-51	0.435	0.58	0.222	1.06E-46	7
Ncaph2	5.33E-51	0.368	0.509	0.178	1.32E-46	7
Rprd1b	5.48E-51	0.370	0.469	0.153	1.36E-46	7
Vps54	6.16E-51	0.327	0.531	0.182	1.53E-46	7
Ifrd1	7.10E-51	-1.556	0.861	0.863	1.76E-46	7
Sf3a3	9.18E-51	0.483	0.531	0.201	2.28E-46	7
Dgat1	1.09E-50	0.463	0.733	0.315	2.70E-46	7
Gm9493	1.15E-50	0.445	0.665	0.275	2.86E-46	7
Calm3	1.63E-50	0.624	0.855	0.449	4.04E-46	7
Slc16a1	1.90E-50	0.472	0.602	0.237	4.71E-46	7
Cpsf2	2.10E-50	0.485	0.577	0.225	5.23E-46	7
Cfap36	2.24E-50	0.384	0.415	0.128	5.57E-46	7
Mphosph8	2.40E-50	0.383	0.571	0.209	5.95E-46	7
Ptpn18	2.44E-50	0.504	0.778	0.351	6.07E-46	7
Lypla1	2.75E-50	0.427	0.582	0.228	6.83E-46	7
Aimp1	2.91E-50	0.484	0.639	0.267	7.24E-46	7
Clec4d	4.26E-50	-2.763	0.034	0.447	1.06E-45	7
Ms4a6c	4.55E-50	-2.085	0.105	0.495	1.13E-45	7
Hdgf	4.75E-50	0.574	0.892	0.539	1.18E-45	7
Kpna2	4.92E-50	0.353	0.429	0.133	1.22E-45	7
Kcnab2	4.96E-50	0.415	0.557	0.204	1.23E-45	7

C3ar1	5.41E-50	-1.798	0.023	0.433	1.34E-45	7
Tcerg1	5.77E-50	0.575	0.727	0.341	1.43E-45	7
Gbp3	6.37E-50	0.530	0.463	0.152	1.58E-45	7
Mxd4	6.41E-50	0.459	0.523	0.189	1.59E-45	7
Rhoh	6.71E-50	0.273	0.477	0.154	1.67E-45	7
Fgfr1op2	7.18E-50	0.531	0.747	0.359	1.78E-45	7
Fam129b	7.92E-50	-1.735	0.207	0.558	1.97E-45	7
Ranbp1	9.48E-50	0.720	0.705	0.345	2.35E-45	7
Pycr2	1.31E-49	0.315	0.406	0.121	3.27E-45	7
Tomm5	1.39E-49	0.428	0.432	0.142	3.46E-45	7
Tmem97	1.66E-49	0.352	0.361	0.103	4.13E-45	7
AU020206	1.71E-49	0.316	0.412	0.123	4.24E-45	7
Impa1	2.04E-49	0.433	0.54	0.203	5.07E-45	7
Itga5	2.10E-49	-1.644	0.077	0.479	5.22E-45	7
Cnot6l	2.16E-49	0.408	0.736	0.319	5.36E-45	7
Pdap1	2.26E-49	0.615	0.841	0.458	5.61E-45	7
Btf3	2.72E-49	0.644	0.943	0.665	6.76E-45	7
Mrpl13	2.76E-49	0.449	0.523	0.196	6.85E-45	7
Kctd12	2.84E-49	-1.832	0.293	0.618	7.04E-45	7
Aif1	2.85E-49	-1.608	0.023	0.43	7.08E-45	7
Mafb	2.88E-49	-2.439	0.06	0.459	7.16E-45	7
Pold1	2.90E-49	0.288	0.315	0.08	7.21E-45	7
Ddx39	5.36E-49	0.419	0.514	0.188	1.33E-44	7
Tpr	5.45E-49	0.663	0.909	0.543	1.35E-44	7
Atp2b4	5.45E-49	0.308	0.554	0.186	1.35E-44	7
Ptp4a2	5.64E-49	0.616	0.989	0.782	1.40E-44	7
Rnaseh2b	7.75E-49	0.258	0.287	0.068	1.92E-44	7
Atp5j	8.69E-49	0.626	0.866	0.502	2.16E-44	7
Rsb1l1	8.84E-49	0.266	0.582	0.213	2.20E-44	7
Ola1	1.01E-48	0.520	0.668	0.294	2.52E-44	7
Rnf187	1.10E-48	0.466	0.656	0.283	2.74E-44	7
Cnot6	1.17E-48	0.491	0.736	0.353	2.90E-44	7
Mis18a	1.25E-48	0.512	0.534	0.197	3.10E-44	7
Slc25a19	1.35E-48	0.354	0.48	0.162	3.36E-44	7
Lcp1	1.36E-48	0.595	0.989	0.781	3.37E-44	7
Rps27	1.58E-48	0.523	0.991	0.898	3.93E-44	7
Zyg11b	1.58E-48	0.575	0.423	0.135	3.93E-44	7
Tecr	1.63E-48	0.512	0.676	0.298	4.05E-44	7
Slamf6	1.76E-48	0.356	0.259	0.057	4.37E-44	7
P2ry10	1.80E-48	0.290	0.685	0.255	4.48E-44	7
Cct3	2.14E-48	0.462	0.673	0.296	5.31E-44	7
Oaz1	2.33E-48	0.542	0.98	0.824	5.79E-44	7
Parp1	2.80E-48	0.434	0.491	0.176	6.95E-44	7
Tacc1	2.99E-48	0.512	0.781	0.38	7.42E-44	7
Impad1	3.43E-48	0.445	0.548	0.206	8.52E-44	7
Ccdc25	3.51E-48	0.459	0.506	0.183	8.73E-44	7



H2-T22	3.60E-48	0.390	0.534	0.196	8.93E-44	7
Got2	3.77E-48	0.542	0.722	0.343	9.37E-44	7
Crem	3.78E-48	0.760	0.926	0.605	9.38E-44	7
Rp9	3.90E-48	0.341	0.54	0.199	9.69E-44	7
Rpl27-ps3	4.26E-48	0.530	0.79	0.413	1.06E-43	7
Htatsf1	4.70E-48	0.456	0.537	0.203	1.17E-43	7
Lyn	5.58E-48	-1.377	0.159	0.533	1.39E-43	7
Gm2000	7.18E-48	0.568	0.801	0.426	1.78E-43	7
Polr2b	7.69E-48	0.384	0.472	0.163	1.91E-43	7
Stat1	7.82E-48	0.557	0.764	0.361	1.94E-43	7
Capza1	7.96E-48	0.604	0.94	0.608	1.98E-43	7
Actl6a	8.18E-48	0.507	0.56	0.222	2.03E-43	7
Galnt1	8.40E-48	0.602	0.73	0.35	2.09E-43	7
Cdk2ap1	8.72E-48	0.396	0.503	0.183	2.17E-43	7
Snu13	1.02E-47	0.605	0.807	0.435	2.54E-43	7
Zc3h14	1.21E-47	0.399	0.557	0.215	3.02E-43	7
Mlec	1.47E-47	0.454	0.588	0.234	3.64E-43	7
Eftud2	2.25E-47	0.276	0.423	0.134	5.59E-43	7
S100a10	2.36E-47	0.735	0.972	0.685	5.86E-43	7
Dusp2	2.54E-47	0.358	0.849	0.422	6.31E-43	7
Ddb1	2.83E-47	0.461	0.685	0.313	7.03E-43	7
Fam133b	3.12E-47	0.512	0.73	0.339	7.75E-43	7
Atp5c1	3.51E-47	0.565	0.812	0.424	8.72E-43	7
Saraf	3.59E-47	0.409	0.795	0.379	8.91E-43	7
Polr2m	3.65E-47	0.462	0.631	0.267	9.05E-43	7
Nr3c1	3.65E-47	0.590	0.747	0.365	9.07E-43	7
Xpo1	3.99E-47	0.464	0.622	0.26	9.91E-43	7
Zdhhc18	4.75E-47	0.305	0.554	0.201	1.18E-42	7
Efr3a	5.61E-47	0.449	0.685	0.295	1.39E-42	7
Wdr43	6.19E-47	0.544	0.628	0.276	1.54E-42	7
Atp5o	6.53E-47	0.618	0.869	0.519	1.62E-42	7
Strap	6.54E-47	0.490	0.767	0.379	1.62E-42	7
Agpat3	7.00E-47	0.382	0.472	0.163	1.74E-42	7
Ctdspl2	7.92E-47	0.301	0.409	0.127	1.97E-42	7
Clns1a	7.92E-47	0.373	0.46	0.161	1.97E-42	7
Slnf2	9.43E-47	-1.654	0.568	0.74	2.34E-42	7
Arpp19	9.56E-47	0.597	0.81	0.442	2.38E-42	7
Gabpb2	9.74E-47	0.419	0.472	0.163	2.42E-42	7
Bzw2	1.24E-46	0.401	0.58	0.228	3.07E-42	7
Mettl16	1.31E-46	0.266	0.378	0.112	3.26E-42	7
Sumo1	1.54E-46	0.536	0.773	0.4	3.84E-42	7
Sirpa	1.61E-46	-1.206	0.023	0.414	3.99E-42	7
Phf5a	1.90E-46	0.488	0.727	0.341	4.72E-42	7
Mif4gd	2.65E-46	0.412	0.665	0.292	6.59E-42	7
Thumpd1	2.88E-46	0.329	0.452	0.151	7.15E-42	7
Orai1	3.10E-46	0.504	0.784	0.366	7.70E-42	7

Ptpn11	3.40E-46	0.363	0.594	0.237	8.45E-42	7
Tap1	4.99E-46	0.461	0.722	0.327	1.24E-41	7
Cdk2	5.59E-46	0.361	0.463	0.16	1.39E-41	7
Acsl5	6.40E-46	0.404	0.537	0.208	1.59E-41	7
Rsl24d1	6.92E-46	0.405	0.557	0.224	1.72E-41	7
Mbd2	7.98E-46	0.452	0.847	0.457	1.98E-41	7
Zfp706	1.46E-45	0.450	0.676	0.3	3.61E-41	7
Pithd1	1.53E-45	0.283	0.46	0.158	3.81E-41	7
Elf1	1.54E-45	0.523	0.915	0.564	3.83E-41	7
Rnps1	1.73E-45	0.526	0.744	0.373	4.29E-41	7
Smad7	1.74E-45	0.438	0.784	0.365	4.33E-41	7
Ipo7	1.75E-45	0.543	0.784	0.407	4.35E-41	7
Synj2bp	2.04E-45	0.296	0.386	0.119	5.07E-41	7
Eps8	2.17E-45	-1.342	0.028	0.412	5.39E-41	7
Uqcrc2	2.37E-45	0.520	0.736	0.359	5.89E-41	7
Slc25a5	2.63E-45	0.710	0.952	0.677	6.53E-41	7
Nasp	2.76E-45	0.499	0.778	0.388	6.87E-41	7
Rpl13a-ps1	3.03E-45	0.315	0.531	0.199	7.51E-41	7
Ddx10	3.03E-45	0.481	0.477	0.178	7.53E-41	7
Nop9	3.59E-45	0.309	0.415	0.135	8.91E-41	7
C5ar1	3.75E-45	-1.887	0.04	0.42	9.32E-41	7
Trim35	4.66E-45	0.337	0.562	0.215	1.16E-40	7
Pole3	4.95E-45	0.395	0.497	0.188	1.23E-40	7
Trib1	5.53E-45	-2.062	0.324	0.621	1.37E-40	7
Hnrnpa3	6.13E-45	0.667	0.943	0.683	1.52E-40	7
Mrps30	6.43E-45	0.316	0.46	0.16	1.60E-40	7
Psmb3	7.20E-45	0.460	0.696	0.327	1.79E-40	7
Zfp52	7.42E-45	0.475	0.69	0.301	1.84E-40	7
Khsrp	8.50E-45	0.560	0.864	0.507	2.11E-40	7
Vps26b	1.03E-44	0.300	0.369	0.112	2.55E-40	7
Otud4	1.14E-44	0.407	0.52	0.193	2.82E-40	7
Card19	1.19E-44	-1.537	0.216	0.546	2.94E-40	7
Snrpa1	1.22E-44	0.341	0.418	0.14	3.02E-40	7
Add1	1.42E-44	0.405	0.628	0.264	3.52E-40	7
Snrpc	1.43E-44	0.403	0.699	0.321	3.54E-40	7
Adam8	1.59E-44	-2.077	0.517	0.679	3.96E-40	7
Cdv3	1.93E-44	0.552	0.79	0.411	4.78E-40	7
Ccl9	2.69E-44	-2.341	0.102	0.477	6.69E-40	7
Eif3c	2.92E-44	0.619	0.878	0.548	7.25E-40	7
Mdp1	2.99E-44	0.257	0.361	0.106	7.42E-40	7
Rpl26	2.99E-44	0.567	0.98	0.764	7.43E-40	7
Rhot2	3.08E-44	0.275	0.366	0.11	7.66E-40	7
Trim59	3.93E-44	0.262	0.372	0.108	9.76E-40	7
Pebp1	3.97E-44	0.603	0.702	0.357	9.86E-40	7
Prpf19	4.29E-44	0.360	0.5	0.189	1.07E-39	7
Tuba1a	4.47E-44	0.506	0.73	0.346	1.11E-39	7

Aimp2	4.89E-44	0.295	0.338	0.099	1.22E-39	7
Noc4l	4.90E-44	0.339	0.358	0.106	1.22E-39	7
Unc93b1	5.42E-44	-1.298	0.094	0.457	1.35E-39	7
Paxip1	7.01E-44	0.290	0.327	0.091	1.74E-39	7
Rbm45	7.16E-44	0.303	0.403	0.129	1.78E-39	7
Cybb	8.31E-44	-2.145	0.065	0.433	2.06E-39	7
Nrip1	8.36E-44	0.369	0.577	0.226	2.08E-39	7
Ruvbl2	1.04E-43	0.292	0.46	0.162	2.57E-39	7
Rps25	1.24E-43	0.556	0.986	0.84	3.09E-39	7
Memol	1.26E-43	0.386	0.54	0.216	3.12E-39	7
Rfk	1.40E-43	0.323	0.528	0.203	3.47E-39	7
Anp32a	1.44E-43	0.737	0.881	0.567	3.59E-39	7
Pld4	1.59E-43	-1.207	0.031	0.406	3.95E-39	7
Gtf2i	1.64E-43	0.419	0.361	0.113	4.07E-39	7
Ckap5	1.71E-43	0.326	0.386	0.123	4.26E-39	7
Cdc123	1.74E-43	0.435	0.551	0.226	4.33E-39	7
Luc7l	1.75E-43	0.465	0.653	0.295	4.34E-39	7
Dcun1d5	2.22E-43	0.439	0.622	0.279	5.52E-39	7
Phc3	2.42E-43	0.287	0.392	0.123	6.01E-39	7
Rpl19	2.53E-43	0.551	0.966	0.763	6.29E-39	7
Nme1	2.56E-43	0.647	0.761	0.399	6.36E-39	7
Mphosph6	2.72E-43	0.343	0.426	0.144	6.75E-39	7
Ndufa1	3.11E-43	0.560	0.923	0.564	7.71E-39	7
Sat1	3.84E-43	-1.476	0.861	0.84	9.54E-39	7
Ier5	4.31E-43	-1.782	0.662	0.756	1.07E-38	7
Impdh2	5.97E-43	0.393	0.599	0.254	1.48E-38	7
Ppid	5.97E-43	0.342	0.616	0.265	1.48E-38	7
Cfp	6.60E-43	-1.337	0.057	0.426	1.64E-38	7
Tusc3	6.68E-43	0.275	0.375	0.118	1.66E-38	7
Bcap29	6.68E-43	0.427	0.472	0.18	1.66E-38	7
Arl2bp	1.10E-42	0.348	0.614	0.251	2.74E-38	7
Cxcl16	1.24E-42	-1.522	0.051	0.415	3.09E-38	7
Tdg	1.52E-42	0.314	0.435	0.149	3.78E-38	7
Oxsr1	1.61E-42	0.385	0.415	0.141	3.99E-38	7
Lsm4	1.73E-42	0.376	0.472	0.176	4.30E-38	7
CAAA01118383.1	2.18E-42	0.425	0.614	0.264	5.42E-38	7
Dad1	2.83E-42	0.552	0.92	0.565	7.04E-38	7
Bola3	3.82E-42	0.274	0.409	0.138	9.49E-38	7
Impa2	4.08E-42	0.342	0.472	0.17	1.01E-37	7
Elob	5.55E-42	0.594	0.932	0.608	1.38E-37	7
Pla2g7	8.40E-42	-1.780	0.028	0.391	2.09E-37	7
Picalm	9.09E-42	-1.152	0.864	0.814	2.26E-37	7
Trim25	9.15E-42	-1.517	0.366	0.613	2.27E-37	7
Cct4	9.35E-42	0.525	0.821	0.47	2.32E-37	7
Abt1	9.78E-42	0.263	0.415	0.14	2.43E-37	7
Alg10b	1.15E-41	0.285	0.352	0.108	2.84E-37	7

Trmt6	1.19E-41	0.382	0.372	0.123	2.96E-37	7
Ndufa10	1.33E-41	0.502	0.679	0.323	3.31E-37	7
Rnf20	1.69E-41	0.351	0.52	0.203	4.19E-37	7
Mier1	1.82E-41	0.481	0.75	0.385	4.53E-37	7
Nol11	1.88E-41	0.293	0.403	0.134	4.67E-37	7
Ybx1	2.09E-41	0.599	0.977	0.772	5.20E-37	7
Ms4a6d	2.30E-41	-1.704	0.088	0.438	5.70E-37	7
Gda	2.36E-41	-1.595	0.048	0.408	5.85E-37	7
Slc7a1	2.36E-41	0.315	0.511	0.192	5.87E-37	7
Eif2a	2.62E-41	0.384	0.509	0.203	6.52E-37	7
Sdc3	3.01E-41	-1.219	0.054	0.411	7.47E-37	7
Taf1	3.50E-41	0.258	0.412	0.136	8.70E-37	7
Lhfpl2	3.69E-41	-2.213	0.051	0.406	9.16E-37	7
Minos1	4.00E-41	0.446	0.747	0.378	9.93E-37	7
Mrpl42	5.25E-41	0.439	0.634	0.283	1.30E-36	7
Gm10269	5.30E-41	0.443	0.608	0.276	1.32E-36	7
Nap1l4	5.77E-41	0.391	0.665	0.309	1.43E-36	7
Snrpd1	6.03E-41	0.520	0.739	0.395	1.50E-36	7
Pole4	6.21E-41	0.417	0.616	0.276	1.54E-36	7
Nrf1	6.87E-41	0.255	0.369	0.114	1.71E-36	7
Psme3	7.13E-41	0.443	0.753	0.382	1.77E-36	7
Tomm7	8.91E-41	0.564	0.929	0.602	2.21E-36	7
Cd300lf	9.50E-41	-2.000	0.065	0.42	2.36E-36	7
Gpr35	9.98E-41	-1.308	0.023	0.379	2.48E-36	7
Fam110a	1.00E-40	0.411	0.753	0.364	2.49E-36	7
Cox4i1	1.00E-40	0.564	0.974	0.7	2.49E-36	7
Sfr1	1.08E-40	0.551	0.909	0.583	2.69E-36	7
Cwc15	1.21E-40	0.537	0.838	0.491	3.00E-36	7
H2-Q4	1.26E-40	0.524	0.892	0.522	3.12E-36	7
Paip2	1.36E-40	0.389	0.807	0.431	3.39E-36	7
1700020I14Rik	1.37E-40	0.297	0.574	0.237	3.40E-36	7
Gspt1	1.48E-40	0.495	0.685	0.341	3.67E-36	7
Myl12a	1.52E-40	0.574	0.918	0.603	3.77E-36	7
Nabp1	1.58E-40	0.303	0.713	0.323	3.92E-36	7
Mdh2	1.61E-40	0.472	0.656	0.319	4.01E-36	7
Rab7	1.63E-40	-1.150	0.881	0.814	4.05E-36	7
Nol10	2.45E-40	0.302	0.372	0.118	6.10E-36	7
Tars	2.47E-40	0.309	0.455	0.168	6.15E-36	7
Stk24	2.55E-40	0.444	0.838	0.451	6.33E-36	7
Ddx1	2.73E-40	0.445	0.409	0.147	6.79E-36	7
Gabpb1	2.94E-40	0.326	0.557	0.228	7.31E-36	7
Cox7a2l	2.99E-40	0.494	0.866	0.477	7.44E-36	7
R3hdm4	3.15E-40	0.358	0.702	0.332	7.84E-36	7
Cct7	3.26E-40	0.470	0.682	0.335	8.10E-36	7
Lta4h	3.27E-40	0.338	0.597	0.252	8.12E-36	7
Calu	4.36E-40	0.366	0.682	0.314	1.08E-35	7

Cops6	4.92E-40	0.439	0.639	0.292	1.22E-35	7
Elov15	7.12E-40	0.388	0.798	0.407	1.77E-35	7
Hars	7.98E-40	0.290	0.429	0.152	1.98E-35	7
Phax	8.12E-40	0.385	0.545	0.227	2.02E-35	7
Ppm1b	8.15E-40	0.312	0.534	0.214	2.02E-35	7
Cyb5b	8.69E-40	0.382	0.52	0.213	2.16E-35	7
Arl5a	9.85E-40	0.472	0.736	0.368	2.45E-35	7
Xpo7	9.94E-40	0.269	0.42	0.147	2.47E-35	7
Anxa1	1.10E-39	-1.702	0.105	0.447	2.74E-35	7
Sod1	1.12E-39	0.533	0.952	0.693	2.79E-35	7
Npc2	1.18E-39	-1.292	0.838	0.754	2.92E-35	7
Tbc1d9	1.28E-39	-0.998	0.009	0.359	3.18E-35	7
Hat1	1.34E-39	0.443	0.562	0.243	3.32E-35	7
Hexa	1.41E-39	-1.408	0.156	0.481	3.50E-35	7
Acadl	1.47E-39	0.491	0.679	0.327	3.66E-35	7
Zcchc17	1.49E-39	0.306	0.455	0.169	3.70E-35	7
Cir1	1.58E-39	0.295	0.494	0.186	3.93E-35	7
Nrros	1.79E-39	-1.437	0.168	0.498	4.44E-35	7
Ptprs	1.80E-39	0.262	0.307	0.087	4.48E-35	7
Usp38	1.82E-39	0.295	0.594	0.249	4.52E-35	7
Nudt5	1.87E-39	0.309	0.361	0.118	4.64E-35	7
Rer1	1.92E-39	0.383	0.716	0.346	4.76E-35	7
Dnajc1	1.98E-39	0.416	0.517	0.206	4.92E-35	7
Emp1	2.04E-39	-1.943	0.179	0.496	5.07E-35	7
Cdc73	2.08E-39	0.360	0.622	0.27	5.16E-35	7
Atxn10	2.24E-39	0.280	0.5	0.192	5.57E-35	7
Sec11a	2.63E-39	0.410	0.693	0.343	6.53E-35	7
Hbs1l	3.08E-39	0.335	0.545	0.224	7.64E-35	7
Matr3	3.61E-39	0.398	0.776	0.41	8.96E-35	7
Plp2	3.87E-39	0.454	0.756	0.369	9.60E-35	7
Clec4a2	4.19E-39	-1.222	0.028	0.374	1.04E-34	7
Csnk2b	4.42E-39	0.510	0.875	0.54	1.10E-34	7
Terf2	4.47E-39	0.387	0.457	0.17	1.11E-34	7
Psmb8	5.42E-39	0.540	0.906	0.561	1.35E-34	7
Gm9844	5.77E-39	0.490	0.869	0.497	1.43E-34	7
Sf3b3	6.01E-39	0.321	0.608	0.271	1.49E-34	7
Nudc	6.68E-39	0.509	0.625	0.305	1.66E-34	7
Ppp2r2d	6.88E-39	0.287	0.58	0.241	1.71E-34	7
Ndufb7	7.23E-39	0.436	0.69	0.337	1.79E-34	7
Ppp2r5c	7.28E-39	0.510	0.875	0.494	1.81E-34	7
Bend4	7.40E-39	0.403	0.278	0.077	1.84E-34	7
Rbbp5	8.78E-39	0.282	0.372	0.123	2.18E-34	7
5031439G07Rik	9.59E-39	-1.093	0.105	0.444	2.38E-34	7
Gm10036	9.82E-39	0.407	0.562	0.248	2.44E-34	7
Hdac2	1.00E-38	0.291	0.426	0.154	2.50E-34	7
Elk3	1.04E-38	0.383	0.591	0.253	2.57E-34	7

Pcnp	1.06E-38	0.456	0.784	0.429	2.63E-34	7
Kmt2a	1.10E-38	0.343	0.608	0.266	2.74E-34	7
Spcs1	1.14E-38	0.498	0.776	0.414	2.83E-34	7
Mtap	1.39E-38	0.347	0.378	0.13	3.46E-34	7
Atf3	1.42E-38	-1.877	0.176	0.496	3.53E-34	7
Larp1b	1.53E-38	0.254	0.435	0.153	3.79E-34	7
Ube2j1	1.55E-38	0.410	0.798	0.421	3.85E-34	7
Ctsl	1.55E-38	-2.448	0.239	0.517	3.86E-34	7
Uchl3	1.64E-38	0.268	0.406	0.142	4.07E-34	7
Ssr2	1.68E-38	0.486	0.75	0.394	4.17E-34	7
Gm16286	1.73E-38	0.380	0.639	0.295	4.30E-34	7
Vps36	2.52E-38	0.413	0.52	0.221	6.27E-34	7
Rgl1	2.57E-38	-1.392	0.034	0.373	6.39E-34	7
Lrp1	2.92E-38	-1.078	0.023	0.365	7.24E-34	7
Dusp1	3.53E-38	-2.090	0.631	0.744	8.77E-34	7
Srrt	3.70E-38	0.335	0.656	0.309	9.19E-34	7
Glrx5	3.85E-38	0.373	0.582	0.258	9.57E-34	7
Atp5f1	4.00E-38	0.506	0.844	0.491	9.93E-34	7
Gars	4.65E-38	0.386	0.54	0.234	1.15E-33	7
G3bp1	4.66E-38	0.482	0.943	0.667	1.16E-33	7
Ddx21	5.99E-38	0.517	0.83	0.49	1.49E-33	7
Tap2	6.00E-38	0.256	0.608	0.259	1.49E-33	7
Fam129a	6.29E-38	0.412	0.588	0.253	1.56E-33	7
Edf1	6.29E-38	0.564	0.875	0.548	1.56E-33	7
Cd44	6.36E-38	-1.383	0.827	0.807	1.58E-33	7
Srpk1	6.63E-38	0.329	0.58	0.255	1.65E-33	7
Skp1a	6.64E-38	0.449	0.855	0.473	1.65E-33	7
Cdk4	7.28E-38	0.464	0.56	0.253	1.81E-33	7
Ccni	7.40E-38	0.469	0.855	0.493	1.84E-33	7
Uba1	7.92E-38	0.496	0.864	0.514	1.97E-33	7
Rock1	8.71E-38	0.473	0.912	0.59	2.16E-33	7
Eprs	8.88E-38	0.431	0.767	0.397	2.21E-33	7
Ppp4r3a	1.06E-37	0.387	0.716	0.357	2.63E-33	7
Rnh1	1.11E-37	-1.366	0.409	0.6	2.75E-33	7
Rabggtb	1.13E-37	0.413	0.645	0.313	2.81E-33	7
Slc1a5	1.15E-37	0.313	0.736	0.351	2.85E-33	7
Mrps23	1.35E-37	0.267	0.418	0.152	3.35E-33	7
Snhg6	1.36E-37	0.450	0.628	0.295	3.39E-33	7
Uhmk1	1.40E-37	0.393	0.591	0.264	3.48E-33	7
Aida	1.40E-37	0.345	0.571	0.247	3.49E-33	7
Tent5a	1.56E-37	1.046	0.682	0.383	3.88E-33	7
Eri1	1.59E-37	0.365	0.514	0.211	3.94E-33	7
Sgpl1	1.71E-37	-1.312	0.423	0.612	4.24E-33	7
Crkl	2.10E-37	0.395	0.673	0.323	5.22E-33	7
Mak16	2.13E-37	0.300	0.497	0.198	5.28E-33	7
Snrpd3	2.18E-37	0.556	0.773	0.437	5.41E-33	7

Ociad1	2.27E-37	0.479	0.815	0.452	5.65E-33	7
Fmr1	2.30E-37	0.259	0.509	0.203	5.71E-33	7
Cdc37	2.45E-37	0.471	0.77	0.428	6.09E-33	7
Fcgr1	2.46E-37	-1.188	0.02	0.355	6.12E-33	7
Prkcd	3.03E-37	-1.281	0.352	0.591	7.53E-33	7
Atl3	3.52E-37	0.283	0.443	0.166	8.75E-33	7
Cct8	4.05E-37	0.566	0.832	0.51	1.01E-32	7
Kif2a	4.24E-37	0.337	0.591	0.26	1.05E-32	7
Osm	4.60E-37	-1.826	0.085	0.418	1.14E-32	7
Ndufb5	4.61E-37	0.393	0.668	0.323	1.14E-32	7
U2af1	4.66E-37	0.446	0.77	0.426	1.16E-32	7
Fbx114	4.73E-37	0.278	0.429	0.158	1.17E-32	7
Cox20	4.83E-37	0.438	0.67	0.334	1.20E-32	7
Snrpb2	5.29E-37	0.503	0.778	0.444	1.32E-32	7
Tcea1	5.50E-37	0.446	0.744	0.4	1.37E-32	7
Preld1	6.03E-37	0.505	0.886	0.531	1.50E-32	7
Nmt2	6.07E-37	0.283	0.355	0.117	1.51E-32	7
Hadha	6.14E-37	0.456	0.759	0.396	1.53E-32	7
Emc10	6.28E-37	0.356	0.56	0.245	1.56E-32	7
Tmem30a	6.53E-37	0.386	0.753	0.394	1.62E-32	7
Zmpste24	6.91E-37	0.340	0.409	0.15	1.72E-32	7
Abcb1b	7.73E-37	0.326	0.298	0.089	1.92E-32	7
Brix1	7.74E-37	0.344	0.602	0.274	1.92E-32	7
Pfdn4	7.95E-37	0.291	0.401	0.144	1.98E-32	7
1110004F10Rik	8.68E-37	0.411	0.676	0.338	2.16E-32	7
Atad1	9.11E-37	0.312	0.534	0.224	2.26E-32	7
Eml4	9.38E-37	0.287	0.412	0.146	2.33E-32	7
Pid1	1.03E-36	-0.973	0.011	0.341	2.55E-32	7
Csnk1a1	1.06E-36	0.537	0.918	0.627	2.62E-32	7
Exosc3	1.18E-36	0.282	0.392	0.138	2.94E-32	7
Rbm27	1.29E-36	0.334	0.662	0.31	3.21E-32	7
Mmp19	1.40E-36	-1.729	0.04	0.37	3.49E-32	7
Endod1	1.96E-36	0.266	0.358	0.118	4.87E-32	7
Rab3ip	2.04E-36	0.255	0.267	0.073	5.08E-32	7
Tsr1	2.21E-36	0.290	0.355	0.118	5.50E-32	7
Sf3b2	2.24E-36	0.451	0.761	0.428	5.57E-32	7
Fmn1	2.58E-36	0.308	0.901	0.498	6.42E-32	7
Gnpda2	3.12E-36	0.259	0.298	0.09	7.75E-32	7
Txn2	3.20E-36	0.413	0.705	0.349	7.95E-32	7
Uqcrfs1	3.28E-36	0.473	0.773	0.416	8.15E-32	7
Scyl2	4.08E-36	0.391	0.557	0.244	1.01E-31	7
Mrc1	4.12E-36	-1.886	0.026	0.35	1.02E-31	7
Metap2	4.24E-36	0.517	0.795	0.452	1.05E-31	7
Add3	4.26E-36	0.300	0.577	0.247	1.06E-31	7
Tnfaip2	4.35E-36	-1.269	0.028	0.355	1.08E-31	7
Scd2	5.18E-36	0.454	0.514	0.213	1.29E-31	7

Gabpa	5.53E-36	0.312	0.474	0.192	1.37E-31	7
Eny2	5.84E-36	0.347	0.622	0.292	1.45E-31	7
Yipf4	5.94E-36	0.286	0.591	0.264	1.48E-31	7
Lamp2	6.17E-36	-1.377	0.432	0.603	1.53E-31	7
Map3k1	6.21E-36	0.427	0.702	0.346	1.54E-31	7
Sfn	6.44E-36	0.269	0.338	0.105	1.60E-31	7
Senp6	6.50E-36	0.349	0.724	0.363	1.62E-31	7
Erap1	7.10E-36	0.312	0.438	0.167	1.76E-31	7
Msr1	8.04E-36	-1.448	0.028	0.353	2.00E-31	7
Cebpa	8.99E-36	-1.354	0.051	0.373	2.23E-31	7
Snrpb	9.13E-36	0.483	0.903	0.575	2.27E-31	7
Clcn3	9.65E-36	0.273	0.469	0.18	2.40E-31	7
Wdr3	9.89E-36	0.358	0.381	0.135	2.46E-31	7
Orc2	1.06E-35	0.283	0.293	0.088	2.64E-31	7
Plek	1.23E-35	-1.544	0.602	0.71	3.06E-31	7
Pbrm1	1.29E-35	0.429	0.668	0.334	3.22E-31	7
Eif3b	1.33E-35	0.539	0.773	0.444	3.30E-31	7
Mrpl4	1.50E-35	0.315	0.466	0.188	3.72E-31	7
Lxn	1.77E-35	0.289	0.358	0.123	4.40E-31	7
Ipo5	1.91E-35	0.407	0.52	0.232	4.73E-31	7
Myh9	2.10E-35	0.459	0.949	0.653	5.23E-31	7
Gns	2.19E-35	-1.182	0.128	0.434	5.44E-31	7
Cdc5l	2.25E-35	0.397	0.849	0.492	5.60E-31	7
Ube2m	2.50E-35	0.388	0.722	0.361	6.20E-31	7
Bub3	2.52E-35	0.321	0.591	0.271	6.26E-31	7
Top2b	2.65E-35	0.321	0.562	0.246	6.59E-31	7
Dcaf7	2.65E-35	0.317	0.645	0.303	6.59E-31	7
Srebf2	2.66E-35	0.376	0.804	0.421	6.61E-31	7
Slc11a1	3.03E-35	-1.236	0.065	0.387	7.53E-31	7
Slc7a8	3.29E-35	-1.102	0.014	0.336	8.18E-31	7
Ssna1	3.53E-35	0.293	0.415	0.156	8.76E-31	7
Ubc	3.77E-35	-1.237	0.98	0.954	9.37E-31	7
Rps27rt	3.81E-35	0.463	0.952	0.643	9.47E-31	7
Ttc3	3.87E-35	0.294	0.386	0.136	9.60E-31	7
Krr1	4.40E-35	0.261	0.412	0.154	1.09E-30	7
Nuak2	5.11E-35	-1.061	0.037	0.358	1.27E-30	7
Elavl1	5.24E-35	0.317	0.651	0.318	1.30E-30	7
Gstp1	6.26E-35	0.250	0.369	0.127	1.55E-30	7
Srp19	6.41E-35	0.465	0.761	0.408	1.59E-30	7
Atp6v0b	7.63E-35	-1.180	0.392	0.591	1.90E-30	7
Pdha1	8.13E-35	0.380	0.597	0.277	2.02E-30	7
Mrps36	8.76E-35	0.318	0.463	0.187	2.18E-30	7
Rnf130	9.01E-35	-1.050	0.131	0.437	2.24E-30	7
Rhob	9.25E-35	-2.357	0.341	0.553	2.30E-30	7
Nfkbia	1.02E-34	-1.788	0.784	0.824	2.53E-30	7
Idh3g	1.07E-34	0.350	0.565	0.255	2.65E-30	7



Cdkn1a	1.14E-34	-1.287	0.688	0.769	2.83E-30	7
Srp14	1.14E-34	0.398	0.699	0.347	2.83E-30	7
Cox5a	1.30E-34	0.495	0.838	0.483	3.22E-30	7
Eif5a	1.51E-34	0.627	0.983	0.813	3.75E-30	7
Cbfa2t3	1.92E-34	-1.497	0.028	0.346	4.78E-30	7
Tmem128	2.46E-34	0.279	0.574	0.259	6.11E-30	7
Msl3	2.48E-34	0.315	0.381	0.138	6.16E-30	7
Rpl36	2.50E-34	0.460	0.886	0.582	6.22E-30	7
Ddost	2.62E-34	0.455	0.741	0.389	6.51E-30	7
Tubb4b	2.65E-34	0.522	0.793	0.484	6.59E-30	7
Pds5a	2.69E-34	0.359	0.622	0.295	6.68E-30	7
Rbm8a	2.95E-34	0.340	0.759	0.4	7.33E-30	7
Imp3	3.24E-34	0.293	0.5	0.209	8.05E-30	7
Dnajb1	3.25E-34	0.341	0.795	0.434	8.07E-30	7
Sars	3.65E-34	0.356	0.642	0.314	9.06E-30	7
Trim27	3.72E-34	0.347	0.545	0.244	9.25E-30	7
Clec4a3	4.21E-34	-0.974	0.011	0.323	1.05E-29	7
Nop56	4.36E-34	0.450	0.855	0.553	1.08E-29	7
Lmf2	4.53E-34	0.262	0.332	0.112	1.12E-29	7
Cops4	4.67E-34	0.260	0.506	0.215	1.16E-29	7
Antxr2	4.79E-34	-1.414	0.131	0.439	1.19E-29	7
Clec4a1	4.86E-34	-1.130	0.028	0.34	1.21E-29	7
Eif4b	4.93E-34	0.453	0.841	0.502	1.23E-29	7
Atp5d	6.17E-34	0.462	0.847	0.503	1.53E-29	7
Psme2	6.79E-34	0.408	0.719	0.385	1.69E-29	7
Pirb	7.60E-34	-0.820	0.014	0.325	1.89E-29	7
Cep83	8.00E-34	0.286	0.545	0.236	1.99E-29	7
Rab20	8.38E-34	-1.364	0.105	0.41	2.08E-29	7
Ii1b	8.39E-34	-2.858	0.02	0.331	2.08E-29	7
Cers5	8.95E-34	0.262	0.48	0.196	2.22E-29	7
Ahnak	9.28E-34	-1.426	0.832	0.775	2.30E-29	7
Fkbp1a	9.41E-34	0.513	0.866	0.538	2.34E-29	7
Hnrnpl	1.05E-33	0.386	0.932	0.643	2.60E-29	7
Polr2d	1.16E-33	0.271	0.375	0.134	2.88E-29	7
Tmem189	1.17E-33	-1.371	0.494	0.634	2.91E-29	7
Pin1	1.18E-33	0.282	0.449	0.179	2.92E-29	7
Prkacb	1.36E-33	0.317	0.568	0.253	3.37E-29	7
Cox7c	1.44E-33	0.497	0.966	0.724	3.58E-29	7
Gpr137b	1.51E-33	-1.012	0.048	0.361	3.75E-29	7
Coro7	1.51E-33	0.340	0.452	0.182	3.75E-29	7
Bach1	1.51E-33	-1.417	0.276	0.527	3.76E-29	7
H2-DMb1	1.64E-33	-1.023	0.014	0.323	4.06E-29	7
Klf6	1.77E-33	-1.119	0.852	0.852	4.40E-29	7
Dnaja1	1.81E-33	0.544	0.977	0.773	4.48E-29	7
Tut4	1.97E-33	0.252	0.602	0.265	4.88E-29	7
Smn1	2.03E-33	0.330	0.534	0.238	5.05E-29	7

Cfap20	2.07E-33	0.261	0.381	0.138	5.15E-29	7
Skap2	2.23E-33	-1.016	0.193	0.48	5.54E-29	7
Golt1b	2.29E-33	0.275	0.406	0.154	5.68E-29	7
Sec62	2.35E-33	0.456	0.912	0.584	5.84E-29	7
Rbm47	2.56E-33	-1.069	0.091	0.399	6.36E-29	7
Cdca4	2.95E-33	0.302	0.582	0.26	7.32E-29	7
Ezr	3.21E-33	0.427	0.972	0.697	7.97E-29	7
Ndufa12	3.35E-33	0.451	0.676	0.354	8.32E-29	7
Pgrmc1	3.73E-33	0.329	0.574	0.261	9.26E-29	7
Glrx3	3.78E-33	0.415	0.651	0.336	9.40E-29	7
Cd300a	3.80E-33	-0.892	0.023	0.329	9.44E-29	7
Uri1	4.31E-33	0.263	0.338	0.116	1.07E-28	7
Polr1c	5.05E-33	0.305	0.577	0.264	1.26E-28	7
Txnl4a	5.60E-33	0.279	0.497	0.211	1.39E-28	7
Clec4e	6.32E-33	-2.419	0.051	0.357	1.57E-28	7
Denr	6.43E-33	0.267	0.736	0.371	1.60E-28	7
Pym1	6.78E-33	0.362	0.46	0.185	1.68E-28	7
Adgre1	8.48E-33	-1.262	0.011	0.314	2.11E-28	7
Otud6b	8.74E-33	0.268	0.312	0.103	2.17E-28	7
Ywhaz	8.91E-33	0.423	0.986	0.863	2.21E-28	7
Atp6v1b2	8.99E-33	-1.381	0.528	0.632	2.23E-28	7
Gpr65	9.03E-33	0.428	0.724	0.378	2.24E-28	7
Ssbp1	9.17E-33	0.346	0.514	0.227	2.28E-28	7
Txn1	9.20E-33	0.426	0.983	0.823	2.29E-28	7
Ppm1g	9.85E-33	0.452	0.696	0.378	2.45E-28	7
Sp1	1.00E-32	0.303	0.577	0.263	2.50E-28	7
Ncbp2	1.01E-32	0.307	0.412	0.161	2.50E-28	7
Rgs2	1.07E-32	0.724	0.932	0.704	2.66E-28	7
Cox7a2	1.18E-32	0.483	0.861	0.527	2.93E-28	7
Cs	1.23E-32	0.367	0.705	0.366	3.06E-28	7
Kat7	1.23E-32	0.271	0.557	0.248	3.06E-28	7
Lrrc25	1.44E-32	-0.808	0.011	0.312	3.59E-28	7
Ist1	1.45E-32	-1.168	0.486	0.641	3.61E-28	7
Ganab	1.49E-32	0.397	0.622	0.298	3.71E-28	7
Dusp3	1.52E-32	-0.890	0.094	0.4	3.77E-28	7
Sf3b6	1.54E-32	0.251	0.685	0.345	3.82E-28	7
Ccdc47	1.62E-32	0.332	0.545	0.248	4.02E-28	7
Txn11	1.64E-32	0.442	0.79	0.464	4.08E-28	7
Akap13	1.66E-32	0.335	0.906	0.559	4.12E-28	7
Dera	1.72E-32	0.258	0.409	0.158	4.28E-28	7
Arl4c	1.82E-32	-1.658	0.58	0.689	4.53E-28	7
Zc3h13	1.96E-32	0.293	0.56	0.252	4.87E-28	7
Zc3hav1	2.11E-32	0.353	0.886	0.536	5.25E-28	7
Ifi204	2.11E-32	-1.101	0.031	0.336	5.25E-28	7
Runx3	2.34E-32	0.458	0.841	0.479	5.81E-28	7
Csrnp1	2.44E-32	-1.458	0.759	0.771	6.06E-28	7

Stk17b	2.71E-32	0.333	0.943	0.61	6.72E-28	7
Ndufb11	2.75E-32	0.393	0.733	0.394	6.82E-28	7
Cmtm3	3.04E-32	-0.913	0.111	0.409	7.55E-28	7
Arhgap9	3.32E-32	0.290	0.401	0.153	8.25E-28	7
Tprgl	3.77E-32	0.332	0.602	0.289	9.37E-28	7
C1qb	3.96E-32	-3.103	0.131	0.41	9.85E-28	7
Asnsd1	4.26E-32	0.311	0.463	0.196	1.06E-27	7
Tpt1	4.47E-32	0.340	0.997	0.974	1.11E-27	7
Ostf1	6.07E-32	0.599	0.929	0.646	1.51E-27	7
Dcun1d1	7.80E-32	0.263	0.5	0.214	1.94E-27	7
Tardbp	8.56E-32	0.412	0.744	0.422	2.13E-27	7
Ii10rb	8.73E-32	-1.242	0.239	0.502	2.17E-27	7
Tma7	8.93E-32	0.492	0.912	0.608	2.22E-27	7
Rnf157	9.52E-32	0.302	0.327	0.112	2.36E-27	7
Yme1l1	9.67E-32	0.267	0.639	0.304	2.40E-27	7
Me2	1.02E-31	0.295	0.511	0.224	2.54E-27	7
Ndufs2	1.09E-31	0.335	0.537	0.244	2.70E-27	7
Plekho1	1.23E-31	-0.776	0.045	0.347	3.06E-27	7
Rbm22	1.39E-31	0.307	0.611	0.299	3.44E-27	7
Jun	1.49E-31	-2.275	0.466	0.631	3.71E-27	7
Ostc	1.68E-31	0.415	0.713	0.377	4.17E-27	7
Mrpl15	1.72E-31	0.287	0.477	0.201	4.27E-27	7
Ccl2	1.93E-31	-2.142	0.048	0.344	4.80E-27	7
Srp72	2.00E-31	0.382	0.753	0.412	4.96E-27	7
Ei24	2.11E-31	0.306	0.384	0.147	5.23E-27	7
Nop53	2.24E-31	0.322	0.812	0.454	5.56E-27	7
Abce1	2.47E-31	0.349	0.415	0.169	6.13E-27	7
Farsb	2.83E-31	0.302	0.378	0.145	7.02E-27	7
Vamp7	2.91E-31	0.346	0.625	0.301	7.24E-27	7
Micu2	3.03E-31	0.296	0.489	0.211	7.53E-27	7
Ube2i	3.14E-31	0.381	0.881	0.552	7.80E-27	7
Tm9sf3	3.37E-31	0.372	0.915	0.556	8.38E-27	7
Aldh2	3.75E-31	-0.923	0.06	0.357	9.31E-27	7
Gm49336	4.53E-31	0.279	0.472	0.201	1.12E-26	7
Ppp4r3b	4.53E-31	0.397	0.784	0.441	1.13E-26	7
Gpr183	4.82E-31	0.305	0.438	0.175	1.20E-26	7
Hnrnpul2	5.26E-31	0.359	0.801	0.45	1.31E-26	7
Frmd8	5.36E-31	0.261	0.338	0.12	1.33E-26	7
Nsun2	6.03E-31	0.405	0.491	0.222	1.50E-26	7
Psma4	6.21E-31	0.459	0.815	0.485	1.54E-26	7
Preli3b	6.63E-31	0.284	0.511	0.227	1.65E-26	7
Apobec1	7.00E-31	-1.047	0.043	0.337	1.74E-26	7
Kpna3	7.80E-31	0.274	0.585	0.275	1.94E-26	7
Commd3	7.98E-31	0.297	0.494	0.217	1.98E-26	7
Erlec1	8.11E-31	0.275	0.344	0.126	2.01E-26	7
Ralbp1	8.14E-31	0.358	0.608	0.296	2.02E-26	7

Cdc34	8.39E-31	0.293	0.662	0.335	2.08E-26	7
Psm14	8.83E-31	0.389	0.688	0.367	2.19E-26	7
Sptssa	9.48E-31	0.359	0.605	0.286	2.35E-26	7
Mrps33	9.67E-31	0.373	0.574	0.282	2.40E-26	7
Cr11	1.03E-30	0.314	0.676	0.343	2.56E-26	7
Anxa5	1.07E-30	-1.269	0.545	0.624	2.66E-26	7
Klrk1	1.20E-30	0.490	0.335	0.121	2.98E-26	7
Sec23b	1.31E-30	0.292	0.634	0.309	3.26E-26	7
Rps6ka1	1.51E-30	0.280	0.406	0.161	3.76E-26	7
Prdx4	1.57E-30	0.339	0.366	0.142	3.91E-26	7
Rsrp1	1.66E-30	-1.222	0.756	0.777	4.12E-26	7
Nhp2	1.80E-30	0.338	0.435	0.186	4.48E-26	7
Tc1rg1	1.83E-30	-1.238	0.267	0.507	4.56E-26	7
Ddx18	1.86E-30	0.333	0.491	0.22	4.62E-26	7
Dazap1	1.96E-30	0.328	0.614	0.304	4.87E-26	7
Hsp90aa1	2.06E-30	0.417	0.991	0.928	5.11E-26	7
Ndufs6	2.47E-30	0.320	0.543	0.257	6.13E-26	7
Phb2	2.58E-30	0.359	0.634	0.321	6.41E-26	7
Gtpbp4	2.66E-30	0.334	0.636	0.318	6.60E-26	7
Rexo2	4.31E-30	0.389	0.673	0.351	1.07E-25	7
Cd300c2	4.36E-30	-0.733	0.011	0.295	1.08E-25	7
Ipo9	4.39E-30	0.260	0.298	0.101	1.09E-25	7
H2afz	4.47E-30	0.553	0.972	0.826	1.11E-25	7
Swi5	4.68E-30	0.399	0.741	0.411	1.16E-25	7
Tbl1x	5.12E-30	0.409	0.605	0.29	1.27E-25	7
Ndufa13	5.45E-30	0.364	0.764	0.414	1.35E-25	7
Litaf	5.48E-30	-0.942	0.815	0.822	1.36E-25	7
Clec4n	5.73E-30	-1.172	0.011	0.294	1.42E-25	7
Abca1	5.99E-30	-1.208	0.034	0.318	1.49E-25	7
Sarnp	6.07E-30	0.390	0.724	0.407	1.51E-25	7
Tuba1b	6.11E-30	0.855	0.812	0.59	1.52E-25	7
Nr4a2	7.34E-30	0.700	0.804	0.494	1.82E-25	7
Abcf1	8.00E-30	0.364	0.767	0.442	1.99E-25	7
Tram1	8.89E-30	0.366	0.81	0.45	2.21E-25	7
Ncor1	1.02E-29	0.343	0.81	0.469	2.53E-25	7
Fcgr4	1.05E-29	-1.098	0.011	0.291	2.61E-25	7
Vps28	1.08E-29	0.302	0.656	0.339	2.68E-25	7
Cfdp1	1.30E-29	0.283	0.557	0.267	3.24E-25	7
Supt4a	1.40E-29	0.305	0.716	0.381	3.47E-25	7
Ptprc	1.44E-29	0.390	0.966	0.744	3.57E-25	7
Lonp2	1.45E-29	0.285	0.332	0.121	3.61E-25	7
Pigx	1.47E-29	0.316	0.466	0.206	3.66E-25	7
Ebp	1.48E-29	0.348	0.591	0.289	3.69E-25	7
Arpc5l	1.49E-29	0.273	0.423	0.176	3.70E-25	7
Tpm3	1.60E-29	0.410	0.994	0.823	3.98E-25	7
Tmem106a	1.65E-29	-0.809	0.043	0.325	4.11E-25	7

Ppp1r15a	1.66E-29	-1.603	0.44	0.623	4.11E-25	7
Nup205	1.84E-29	0.264	0.315	0.111	4.56E-25	7
Fubp1	2.01E-29	0.259	0.642	0.325	4.98E-25	7
Zdhhc3	2.36E-29	0.276	0.438	0.186	5.87E-25	7
Gapdh	2.42E-29	0.327	0.991	0.928	6.01E-25	7
Igbp1	2.64E-29	0.338	0.616	0.311	6.55E-25	7
Mrps16	2.86E-29	0.262	0.369	0.142	7.10E-25	7
Nop10	2.89E-29	0.356	0.599	0.305	7.18E-25	7
Gsn	3.05E-29	-0.823	0.082	0.37	7.56E-25	7
H2-DMA	3.14E-29	-1.192	0.125	0.401	7.81E-25	7
Slc25a17	3.27E-29	0.272	0.358	0.139	8.12E-25	7
Socs3	3.59E-29	-1.526	0.199	0.461	8.91E-25	7
Hnrnpk	3.72E-29	0.426	0.96	0.761	9.24E-25	7
Chp1	3.75E-29	0.388	0.841	0.5	9.32E-25	7
Il6ra	3.78E-29	-0.959	0.108	0.401	9.39E-25	7
Prpf8	4.21E-29	0.327	0.705	0.377	1.04E-24	7
Atp5h	4.25E-29	0.436	0.923	0.614	1.06E-24	7
Rbmx11	4.61E-29	0.307	0.554	0.264	1.15E-24	7
Fnbp1	4.69E-29	0.342	0.835	0.491	1.17E-24	7
Scpep1	5.01E-29	-1.151	0.398	0.565	1.24E-24	7
Hspa4	5.10E-29	0.378	0.844	0.518	1.27E-24	7
Pafah1b2	5.19E-29	0.300	0.545	0.257	1.29E-24	7
Caprin1	5.19E-29	0.380	0.764	0.444	1.29E-24	7
Ccar1	5.39E-29	0.262	0.69	0.362	1.34E-24	7
Psm2	5.44E-29	0.452	0.838	0.526	1.35E-24	7
Twistnb	7.29E-29	0.287	0.52	0.237	1.81E-24	7
Hspa8	7.76E-29	0.427	0.994	0.9	1.93E-24	7
Ddx24	8.14E-29	0.301	0.741	0.406	2.02E-24	7
Xrn2	9.32E-29	0.351	0.764	0.44	2.32E-24	7
Naa15	9.69E-29	0.351	0.776	0.448	2.41E-24	7
Ppp1cb	1.17E-28	0.256	0.759	0.41	2.90E-24	7
Fam204a	1.20E-28	0.285	0.446	0.189	2.97E-24	7
Gps1	1.31E-28	0.278	0.398	0.161	3.24E-24	7
Sla	1.32E-28	0.361	0.699	0.373	3.29E-24	7
Tiparp	1.34E-28	-1.523	0.429	0.598	3.34E-24	7
Apoe	1.62E-28	-3.782	0.341	0.52	4.02E-24	7
Ninj1	1.72E-28	-1.025	0.145	0.414	4.27E-24	7
Jpt1	1.87E-28	0.306	0.835	0.49	4.65E-24	7
Mapk1	1.89E-28	0.343	0.787	0.463	4.70E-24	7
Ndufab1	1.94E-28	0.423	0.673	0.376	4.82E-24	7
Tmx1	2.01E-28	0.299	0.557	0.267	4.99E-24	7
Ppil4	2.02E-28	0.252	0.514	0.23	5.03E-24	7
Nceh1	2.07E-28	-0.994	0.105	0.38	5.14E-24	7
Ufc1	2.18E-28	0.281	0.554	0.261	5.40E-24	7
Por	3.33E-28	-1.361	0.352	0.54	8.26E-24	7
Mrpl33	3.45E-28	0.365	0.781	0.456	8.56E-24	7

Kif5b	3.54E-28	0.397	0.935	0.612	8.79E-24	7
Eif2s2	3.89E-28	0.483	0.929	0.633	9.67E-24	7
Atrx	3.92E-28	0.334	0.795	0.473	9.74E-24	7
Pno1	4.17E-28	0.314	0.517	0.245	1.04E-23	7
Sp3	4.52E-28	0.283	0.713	0.379	1.12E-23	7
Mrps14	4.70E-28	0.332	0.52	0.25	1.17E-23	7
Lst1	5.13E-28	-0.972	0.062	0.338	1.27E-23	7
Cisd2	5.25E-28	0.277	0.722	0.394	1.30E-23	7
Ndfip2	5.52E-28	0.274	0.656	0.338	1.37E-23	7
Ptpre	5.82E-28	-1.181	0.119	0.391	1.45E-23	7
Cycs	6.05E-28	0.410	0.753	0.442	1.50E-23	7
Tnks2	6.09E-28	0.275	0.634	0.319	1.51E-23	7
Nt5c	6.32E-28	0.286	0.574	0.283	1.57E-23	7
Gcc2	6.43E-28	0.287	0.366	0.143	1.60E-23	7
Tgs1	6.69E-28	0.303	0.432	0.186	1.66E-23	7
Zcchc9	7.10E-28	0.326	0.537	0.259	1.76E-23	7
9-Sep	7.16E-28	0.287	0.528	0.248	1.78E-23	7
C1qa	7.35E-28	-2.170	0.028	0.295	1.83E-23	7
Vma21	7.92E-28	0.257	0.511	0.231	1.97E-23	7
Nup153	8.00E-28	0.280	0.58	0.288	1.99E-23	7
Kdelr2	8.42E-28	0.283	0.577	0.283	2.09E-23	7
Eif4h	8.75E-28	0.407	0.83	0.51	2.17E-23	7
Gxylt1	9.05E-28	0.305	0.531	0.252	2.25E-23	7
Stx11	9.31E-28	0.277	0.702	0.363	2.31E-23	7
Clec12a	9.59E-28	-0.821	0.017	0.283	2.38E-23	7
Tmem258	9.85E-28	0.425	0.818	0.489	2.45E-23	7
Igsf6	1.06E-27	-0.802	0	0.261	2.64E-23	7
Sdha	1.15E-27	0.293	0.591	0.294	2.85E-23	7
Nup62	1.19E-27	0.334	0.594	0.302	2.95E-23	7
Gnai3	1.24E-27	0.342	0.795	0.47	3.07E-23	7
Myl6	1.52E-27	0.374	0.98	0.837	3.77E-23	7
Abracl	1.64E-27	0.407	0.847	0.53	4.06E-23	7
Mrps18c	1.74E-27	0.303	0.52	0.246	4.31E-23	7
Sirpb1c	1.86E-27	-0.960	0.017	0.28	4.62E-23	7
Ifngr2	2.50E-27	-0.701	0.045	0.316	6.22E-23	7
Pgk1	2.72E-27	0.360	0.963	0.709	6.75E-23	7
Tns3	2.74E-27	-0.688	0.014	0.277	6.80E-23	7
Ptpa	3.29E-27	0.264	0.409	0.174	8.17E-23	7
Fosb	3.66E-27	-1.746	0.682	0.712	9.10E-23	7
Rab10	3.88E-27	0.380	0.909	0.587	9.65E-23	7
Acp1	4.34E-27	0.329	0.517	0.248	1.08E-22	7
Ndufv2	4.38E-27	0.383	0.636	0.344	1.09E-22	7
F13a1	4.43E-27	-1.604	0.02	0.282	1.10E-22	7
Ccnl1	4.69E-27	-1.120	0.824	0.82	1.16E-22	7
Dusp11	4.79E-27	0.306	0.861	0.539	1.19E-22	7
Prdx2	5.16E-27	0.436	0.847	0.529	1.28E-22	7

Anpep	5.69E-27	-0.941	0.017	0.277	1.41E-22	7
Bag1	5.88E-27	0.273	0.611	0.308	1.46E-22	7
Asmt	6.03E-27	0.324	0.653	0.334	1.50E-22	7
Csnk2a1	6.14E-27	0.293	0.56	0.277	1.53E-22	7
Stt3a	6.64E-27	0.282	0.656	0.338	1.65E-22	7
Cd83	6.92E-27	-1.267	0.173	0.442	1.72E-22	7
Hck	7.00E-27	-0.769	0.014	0.274	1.74E-22	7
Lmna	8.44E-27	-1.247	0.463	0.623	2.10E-22	7
Zmiz2	8.53E-27	0.262	0.511	0.235	2.12E-22	7
Pltp	8.58E-27	-1.469	0.034	0.296	2.13E-22	7
Rps29	8.86E-27	0.356	0.997	0.924	2.20E-22	7
Ntan1	1.01E-26	0.262	0.426	0.187	2.50E-22	7
C1qbp	1.03E-26	0.264	0.375	0.156	2.57E-22	7
Luc7l2	1.05E-26	0.375	0.895	0.621	2.62E-22	7
F10	1.06E-26	-1.170	0.009	0.266	2.63E-22	7
Psmb4	1.11E-26	0.375	0.849	0.53	2.76E-22	7
Gtf2h5	1.38E-26	0.275	0.523	0.248	3.44E-22	7
Slc29a1	1.46E-26	0.310	0.401	0.169	3.61E-22	7
Sgms2	1.51E-26	-1.323	0.023	0.28	3.76E-22	7
Prpf40a	1.52E-26	0.390	0.881	0.583	3.77E-22	7
Snx8	1.61E-26	-0.681	0.028	0.288	4.00E-22	7
Psmc3	1.91E-26	0.327	0.648	0.35	4.75E-22	7
Cuta	2.02E-26	0.285	0.523	0.25	5.02E-22	7
Taf1d	2.63E-26	0.284	0.855	0.526	6.54E-22	7
4833439L19Rik	2.98E-26	0.297	0.455	0.206	7.39E-22	7
Cln8	3.10E-26	-0.862	0.088	0.351	7.69E-22	7
Esf1	3.21E-26	0.313	0.452	0.205	7.97E-22	7
Olfm1	3.23E-26	-0.934	0.04	0.3	8.02E-22	7
Tlr2	3.27E-26	-1.027	0.028	0.287	8.13E-22	7
Eif3k	3.46E-26	0.388	0.812	0.491	8.59E-22	7
Ube2b	3.91E-26	0.332	0.909	0.61	9.70E-22	7
Tomm70a	4.29E-26	0.268	0.503	0.241	1.06E-21	7
Dnajb6	4.43E-26	0.281	0.915	0.578	1.10E-21	7
Gpbp1	4.52E-26	0.317	0.849	0.537	1.12E-21	7
Nfam1	4.90E-26	-0.753	0.009	0.26	1.22E-21	7
Sdc4	5.12E-26	-1.416	0.318	0.53	1.27E-21	7
Flrt3	5.49E-26	-1.775	0.071	0.326	1.36E-21	7
Srpr	5.67E-26	0.303	0.679	0.357	1.41E-21	7
Rwdd4a	5.96E-26	0.272	0.378	0.156	1.48E-21	7
Ak3	6.22E-26	0.265	0.366	0.15	1.55E-21	7
Dock8	6.66E-26	0.301	0.545	0.266	1.65E-21	7
Psmal	7.66E-26	0.275	0.628	0.327	1.90E-21	7
Lsm14a	7.87E-26	0.306	0.733	0.421	1.95E-21	7
Lrrc8c	8.68E-26	0.292	0.574	0.282	2.16E-21	7
Naaa	9.28E-26	-1.385	0.097	0.346	2.30E-21	7
Slc6a6	9.65E-26	-1.169	0.491	0.589	2.40E-21	7

Ywhah	9.80E-26	0.391	0.912	0.615	2.44E-21	7
Chchd3	1.04E-25	0.280	0.511	0.247	2.57E-21	7
Idh3b	1.08E-25	0.253	0.517	0.25	2.69E-21	7
Stx3	1.08E-25	-0.808	0.043	0.297	2.69E-21	7
Ube3a	1.73E-25	0.321	0.625	0.326	4.31E-21	7
Jak1	1.75E-25	0.289	0.938	0.66	4.35E-21	7
Ralb	1.94E-25	-0.819	0.136	0.395	4.81E-21	7
E2f1	2.08E-25	0.290	0.324	0.125	5.17E-21	7
H2-K1	2.24E-25	0.349	1	0.946	5.57E-21	7
Nemf	2.40E-25	0.296	0.622	0.322	5.97E-21	7
Plscr1	2.81E-25	0.293	0.429	0.185	6.99E-21	7
Psmb2	2.86E-25	0.376	0.815	0.5	7.10E-21	7
Cd48	2.97E-25	0.324	0.679	0.359	7.38E-21	7
Klf3	2.98E-25	-0.880	0.122	0.387	7.40E-21	7
Dnajb11	2.98E-25	0.331	0.69	0.383	7.41E-21	7
C1qc	3.03E-25	-2.794	0.142	0.375	7.52E-21	7
Pcbp2	3.40E-25	0.370	0.986	0.797	8.44E-21	7
Actn1	3.44E-25	0.288	0.506	0.239	8.54E-21	7
Bcap31	3.70E-25	0.291	0.673	0.367	9.19E-21	7
Stom	3.71E-25	-0.720	0.065	0.32	9.22E-21	7
Ets2	4.12E-25	-1.391	0.477	0.624	1.02E-20	7
Cyp4f18	4.18E-25	-1.915	0.026	0.272	1.04E-20	7
Cast	4.19E-25	0.263	0.73	0.41	1.04E-20	7
Pfn1	4.25E-25	0.417	0.994	0.854	1.06E-20	7
Ctsa	4.84E-25	-1.379	0.48	0.568	1.20E-20	7
Psme1	4.93E-25	0.346	0.889	0.573	1.23E-20	7
Plekhn2	5.33E-25	-0.893	0.094	0.349	1.32E-20	7
Btg1	5.38E-25	-0.853	0.955	0.923	1.34E-20	7
Cox8a	5.43E-25	0.423	0.957	0.751	1.35E-20	7
Creb1	5.70E-25	0.277	0.585	0.301	1.41E-20	7
Slc15a3	5.79E-25	-1.104	0.278	0.508	1.44E-20	7
Slc25a3	5.95E-25	0.376	0.98	0.801	1.48E-20	7
Wdr1	6.65E-25	0.339	0.844	0.515	1.65E-20	7
Ndufs5	7.43E-25	0.268	0.653	0.337	1.84E-20	7
Utp11	7.53E-25	0.252	0.429	0.195	1.87E-20	7
Eif3j1	8.32E-25	0.320	0.793	0.48	2.07E-20	7
Tmem109	8.43E-25	0.262	0.415	0.186	2.09E-20	7
Psma7	8.96E-25	0.400	0.795	0.493	2.22E-20	7
Zdhhc21	9.05E-25	0.287	0.358	0.149	2.25E-20	7
Plxnb2	1.09E-24	-0.540	0.011	0.252	2.71E-20	7
Dynlrb1	1.16E-24	0.332	0.795	0.466	2.89E-20	7
Ptges3	1.20E-24	0.426	0.855	0.563	2.98E-20	7
Rab32	1.24E-24	-0.671	0.043	0.292	3.09E-20	7
Psma5	1.30E-24	0.260	0.562	0.285	3.24E-20	7
Atp2b1	1.36E-24	-1.112	0.733	0.713	3.38E-20	7
Rammet	1.63E-24	0.251	0.631	0.338	4.04E-20	7



Psmc1	1.72E-24	0.293	0.634	0.334	4.27E-20	7
Vdac3	1.74E-24	0.318	0.534	0.269	4.31E-20	7
Park7	1.79E-24	0.309	0.491	0.245	4.45E-20	7
Adam15	1.93E-24	-0.805	0.088	0.338	4.81E-20	7
Cln3	2.18E-24	-1.136	0.139	0.386	5.42E-20	7
Runx1	2.22E-24	-1.145	0.27	0.492	5.51E-20	7
Tmem167	2.35E-24	0.277	0.747	0.419	5.85E-20	7
Ccdc88a	2.40E-24	-0.992	0.062	0.311	5.95E-20	7
Hnrnpf	2.89E-24	0.395	0.955	0.714	7.18E-20	7
Ssfa2	3.26E-24	-0.871	0.173	0.417	8.10E-20	7
Ifnar2	3.62E-24	-0.868	0.111	0.365	8.98E-20	7
Cd164	3.66E-24	0.309	0.903	0.615	9.09E-20	7
Anapc16	3.69E-24	0.275	0.491	0.237	9.16E-20	7
Sdhb	4.26E-24	0.256	0.642	0.346	1.06E-19	7
Was	4.30E-24	0.258	0.582	0.302	1.07E-19	7
H2afy	4.87E-24	0.298	0.909	0.589	1.21E-19	7
Kdm6b	5.30E-24	-1.133	0.804	0.811	1.32E-19	7
Sqstm1	5.53E-24	-0.863	0.969	0.896	1.37E-19	7
Ndufb10	5.68E-24	0.281	0.619	0.335	1.41E-19	7
Wdr83os	5.93E-24	0.284	0.702	0.385	1.47E-19	7
Tra2b	6.07E-24	0.325	0.94	0.69	1.51E-19	7
Slc3a2	6.27E-24	-0.812	0.892	0.809	1.56E-19	7
Ms4a7	6.37E-24	-1.656	0.026	0.263	1.58E-19	7
Vat1	6.66E-24	-1.101	0.176	0.402	1.66E-19	7
Sec13	7.07E-24	0.286	0.46	0.221	1.76E-19	7
Tnfsf12	7.29E-24	-0.604	0.023	0.265	1.81E-19	7
Larp1	7.61E-24	0.356	0.713	0.414	1.89E-19	7
Pvr	7.75E-24	-1.003	0.168	0.408	1.92E-19	7
Zmat2	7.93E-24	0.322	0.702	0.403	1.97E-19	7
Slc8b1	7.96E-24	-0.723	0.043	0.286	1.98E-19	7
Usp34	8.80E-24	0.283	0.696	0.389	2.18E-19	7
Psm3	9.41E-24	0.367	0.847	0.557	2.34E-19	7
Acbd6	9.91E-24	0.254	0.324	0.131	2.46E-19	7
Mdm2	1.13E-23	-1.442	0.551	0.642	2.80E-19	7
Psm5	1.18E-23	0.270	0.577	0.3	2.93E-19	7
Rcc1	1.23E-23	0.259	0.483	0.237	3.05E-19	7
Fam120a	1.26E-23	0.317	0.804	0.471	3.13E-19	7
Rpn2	1.34E-23	0.303	0.648	0.345	3.33E-19	7
Sub1	1.39E-23	0.396	0.935	0.692	3.44E-19	7
Tpp2	1.40E-23	0.280	0.812	0.488	3.48E-19	7
Klf4	1.50E-23	-1.645	0.54	0.622	3.73E-19	7
Ppib	1.51E-23	0.322	0.722	0.407	3.76E-19	7
Itgax	1.53E-23	-0.954	0.028	0.264	3.81E-19	7
Polr1d	1.60E-23	0.342	0.881	0.582	3.98E-19	7
Furin	1.72E-23	-1.073	0.361	0.557	4.27E-19	7
Qdpr	1.77E-23	0.278	0.403	0.185	4.39E-19	7

Ptgs2	1.88E-23	-2.683	0.065	0.303	4.68E-19	7
Chd4	2.01E-23	0.274	0.92	0.646	5.00E-19	7
Cetn3	2.02E-23	0.259	0.545	0.275	5.02E-19	7
Klf2	2.23E-23	-1.111	0.065	0.312	5.53E-19	7
Larp4	2.35E-23	0.345	0.659	0.366	5.84E-19	7
Ift20	2.45E-23	0.253	0.582	0.295	6.07E-19	7
Copb2	2.53E-23	0.299	0.648	0.355	6.29E-19	7
Atp6ap2	2.54E-23	-1.012	0.645	0.644	6.30E-19	7
Ywhab	3.29E-23	0.386	0.932	0.661	8.17E-19	7
Acly	4.30E-23	0.253	0.668	0.37	1.07E-18	7
Rmnd5a	4.41E-23	0.294	0.568	0.287	1.10E-18	7
Spcs2	4.42E-23	0.339	0.798	0.473	1.10E-18	7
Fnip1	4.43E-23	-1.027	0.401	0.568	1.10E-18	7
Peli1	4.79E-23	0.301	0.889	0.557	1.19E-18	7
Sh3pxd2b	4.89E-23	-0.578	0.043	0.28	1.21E-18	7
Nras	6.73E-23	0.325	0.767	0.45	1.67E-18	7
Ighm	6.87E-23	-0.288	0.321	0.128	1.71E-18	7
Aggf1	7.56E-23	0.262	0.455	0.213	1.88E-18	7
Nab1	8.01E-23	0.280	0.716	0.417	1.99E-18	7
Dhx15	8.16E-23	0.279	0.889	0.566	2.03E-18	7
Etv3	8.36E-23	-1.481	0.312	0.497	2.08E-18	7
Pip5k1c	1.00E-22	-1.018	0.415	0.556	2.49E-18	7
Rrbp1	1.01E-22	-0.950	0.719	0.693	2.51E-18	7
Mtdh	1.03E-22	0.307	0.787	0.479	2.56E-18	7
Gm42418	1.11E-22	0.324	0.997	0.904	2.75E-18	7
Cd93	1.23E-22	-0.941	0.034	0.263	3.05E-18	7
Prcp	1.23E-22	-0.762	0.139	0.37	3.07E-18	7
Arl6ip4	1.39E-22	0.251	0.332	0.14	3.45E-18	7
Eif4a3	1.39E-22	0.264	0.73	0.432	3.46E-18	7
Ly6e	1.92E-22	0.406	0.989	0.724	4.76E-18	7
Sowahc	2.40E-22	-0.914	0.097	0.328	5.97E-18	7
Golph3	2.40E-22	0.279	0.767	0.452	5.97E-18	7
Fndc3b	2.63E-22	-0.802	0.099	0.341	6.54E-18	7
Hmgn1	2.85E-22	0.397	0.571	0.311	7.07E-18	7
Eif3d	3.40E-22	0.261	0.619	0.34	8.45E-18	7
Uvrag	3.42E-22	-0.896	0.207	0.432	8.49E-18	7
Cttnbp2nl	3.51E-22	-0.513	0.026	0.255	8.71E-18	7
Purb	3.78E-22	0.326	0.824	0.504	9.38E-18	7
Tomm22	4.67E-22	0.253	0.665	0.382	1.16E-17	7
Cd9	4.93E-22	-1.682	0.287	0.474	1.23E-17	7
Cd52	6.00E-22	0.409	0.989	0.828	1.49E-17	7
Adam10	6.48E-22	0.251	0.52	0.259	1.61E-17	7
Ndufb6	6.60E-22	0.318	0.628	0.35	1.64E-17	7
Nabp2	7.04E-22	0.263	0.426	0.205	1.75E-17	7
Mapre1	7.58E-22	0.323	0.892	0.612	1.88E-17	7
Cd86	7.72E-22	-0.868	0.162	0.397	1.92E-17	7

Smox	8.08E-22	-1.424	0.435	0.583	2.01E-17	7
Atp6v0a1	8.25E-22	-0.620	0.031	0.254	2.05E-17	7
Havcr2	8.37E-22	0.335	0.585	0.319	2.08E-17	7
Sf3b4	9.47E-22	0.252	0.801	0.481	2.35E-17	7
Plekho2	1.06E-21	-0.912	0.295	0.489	2.64E-17	7
Cab39	1.15E-21	0.256	0.773	0.468	2.87E-17	7
Vim	1.25E-21	-1.074	0.969	0.861	3.11E-17	7
Eif4g2	1.31E-21	0.263	0.966	0.74	3.26E-17	7
Yy1	1.32E-21	0.255	0.83	0.531	3.27E-17	7
Papola	1.46E-21	0.344	0.79	0.484	3.63E-17	7
Dap	1.58E-21	0.269	0.619	0.344	3.94E-17	7
Ndufa3	1.87E-21	0.297	0.756	0.458	4.63E-17	7
Irak2	2.00E-21	-1.150	0.278	0.481	4.96E-17	7
Zfp800	2.27E-21	0.254	0.466	0.227	5.64E-17	7
Tcn2	2.31E-21	-0.697	0.074	0.301	5.74E-17	7
Dnajc8	2.55E-21	0.254	0.705	0.415	6.33E-17	7
Ndufb3	2.64E-21	0.295	0.685	0.396	6.55E-17	7
Pf4	2.90E-21	-1.977	0.034	0.251	7.20E-17	7
St13	3.40E-21	0.329	0.832	0.552	8.45E-17	7
Ncf1	3.41E-21	-0.732	0.054	0.28	8.48E-17	7
Coa5	4.08E-21	0.258	0.588	0.311	1.01E-16	7
Cd24a	4.30E-21	-2.412	0.111	0.328	1.07E-16	7
Renbp	4.55E-21	-0.563	0.037	0.256	1.13E-16	7
Dnttip2	4.76E-21	0.255	0.628	0.349	1.18E-16	7
Cox7b	4.79E-21	0.373	0.864	0.551	1.19E-16	7
Oasl2	4.90E-21	-0.965	0.034	0.255	1.22E-16	7
Arhgap1	6.88E-21	0.256	0.409	0.193	1.71E-16	7
Dirc2	6.90E-21	-0.708	0.074	0.298	1.72E-16	7
Ass1	7.07E-21	0.335	0.477	0.239	1.76E-16	7
Arrdc4	7.65E-21	-0.856	0.037	0.254	1.90E-16	7
Gpx1	7.81E-21	-1.151	0.784	0.685	1.94E-16	7
Hnrnpc	8.08E-21	0.309	0.977	0.832	2.01E-16	7
Fyb	8.20E-21	0.286	0.952	0.637	2.04E-16	7
Ckap4	8.34E-21	-0.745	0.048	0.269	2.07E-16	7
Stx7	9.05E-21	-0.825	0.278	0.456	2.25E-16	7
Spag9	1.30E-20	-1.004	0.653	0.691	3.23E-16	7
Arap1	1.31E-20	-0.779	0.088	0.315	3.25E-16	7
Abcg1	1.57E-20	-0.818	0.105	0.329	3.91E-16	7
Ldha	1.92E-20	0.323	0.943	0.707	4.77E-16	7
Baz2b	1.97E-20	-0.950	0.162	0.38	4.89E-16	7
Zfp703	2.10E-20	-1.230	0.381	0.523	5.23E-16	7
Rtcb	2.27E-20	0.271	0.517	0.275	5.63E-16	7
Sbno2	2.32E-20	-0.976	0.205	0.419	5.76E-16	7
201011I01Rik	3.71E-20	0.261	0.455	0.226	9.22E-16	7
1810022K09Rik	4.37E-20	0.251	0.622	0.349	1.09E-15	7
Mbnl2	4.98E-20	-0.957	0.327	0.502	1.24E-15	7

Atp5k	5.42E-20	0.347	0.778	0.512	1.35E-15	7
Bri3	5.68E-20	-0.862	0.278	0.452	1.41E-15	7
Mrfap1	5.69E-20	0.302	0.844	0.537	1.41E-15	7
Sestd1	5.75E-20	-0.554	0.045	0.26	1.43E-15	7
Fem1c	6.85E-20	-1.104	0.634	0.657	1.70E-15	7
Ap2b1	7.18E-20	0.274	0.599	0.34	1.78E-15	7
Mylip	7.97E-20	-0.997	0.097	0.313	1.98E-15	7
Tgif1	8.30E-20	-1.039	0.776	0.762	2.06E-15	7
Tnf	9.13E-20	-1.860	0.122	0.335	2.27E-15	7
Eif2s1	9.97E-20	0.269	0.597	0.341	2.48E-15	7
Insig1	1.00E-19	0.325	0.747	0.458	2.49E-15	7
Rpl10	1.05E-19	0.351	0.972	0.754	2.60E-15	7
Atp5e	1.07E-19	0.378	0.884	0.64	2.67E-15	7
P2rx4	1.20E-19	-0.604	0.06	0.271	2.99E-15	7
Srgn	1.26E-19	-1.144	0.991	0.96	3.12E-15	7
Plau	1.36E-19	-1.415	0.105	0.311	3.38E-15	7
Atf4	1.37E-19	-0.827	0.912	0.877	3.40E-15	7
Rnf7	1.44E-19	0.255	0.656	0.375	3.57E-15	7
Gltp	1.59E-19	0.350	0.847	0.521	3.94E-15	7
Vegfa	1.77E-19	-1.648	0.23	0.421	4.39E-15	7
Msrb1	2.28E-19	-1.253	0.295	0.464	5.66E-15	7
Ppp3r1	3.45E-19	0.254	0.705	0.402	8.57E-15	7
Sumo3	4.40E-19	0.296	0.605	0.341	1.09E-14	7
Hsp90b1	4.50E-19	0.341	0.989	0.778	1.12E-14	7
Prdx5	5.40E-19	-1.160	0.54	0.595	1.34E-14	7
Atp6v0d1	6.35E-19	-0.815	0.389	0.531	1.58E-14	7
Pum3	7.79E-19	0.261	0.375	0.182	1.93E-14	7
Tnfrsf1a	1.08E-18	-0.707	0.131	0.338	2.67E-14	7
Plcg2	1.16E-18	-0.548	0.074	0.289	2.87E-14	7
Cox6a1	1.21E-18	0.348	0.915	0.664	3.01E-14	7
Ndufc2	1.44E-18	0.301	0.651	0.385	3.59E-14	7
Kdm7a	1.59E-18	-0.882	0.304	0.495	3.96E-14	7
Rnf19b	1.64E-18	-0.985	0.384	0.533	4.08E-14	7
Maff	1.84E-18	-1.183	0.224	0.426	4.57E-14	7
Atp5g1	1.88E-18	0.306	0.764	0.501	4.68E-14	7
Myadm	2.56E-18	-0.950	0.233	0.419	6.35E-14	7
Tuba1c	2.67E-18	-1.052	0.727	0.727	6.63E-14	7
Lat2	3.03E-18	-0.778	0.182	0.381	7.53E-14	7
Slc29a3	3.67E-18	-0.594	0.091	0.295	9.11E-14	7
Srrm1	3.69E-18	0.272	0.923	0.68	9.16E-14	7
Hnrnpa0	3.87E-18	0.302	0.92	0.665	9.61E-14	7
Arf5	4.57E-18	0.290	0.886	0.606	1.14E-13	7
Vps18	4.68E-18	-0.778	0.116	0.315	1.16E-13	7
Atp6v1c1	4.71E-18	-0.967	0.29	0.448	1.17E-13	7
Slamf7	5.23E-18	-0.892	0.142	0.346	1.30E-13	7
Grina	5.26E-18	-1.436	0.352	0.498	1.31E-13	7

Fam214b	5.36E-18	-0.636	0.116	0.326	1.33E-13	7
Irf2bp2	7.27E-18	-1.034	0.398	0.532	1.81E-13	7
Cpne2	7.72E-18	-0.708	0.074	0.273	1.92E-13	7
Mindy1	8.81E-18	-0.742	0.08	0.28	2.19E-13	7
Wsb1	1.34E-17	-1.048	0.58	0.622	3.33E-13	7
Tnfrsf12a	1.35E-17	-0.765	0.06	0.255	3.36E-13	7
1810037I17Rik	1.85E-17	0.260	0.787	0.519	4.59E-13	7
Dhrs3	1.87E-17	-0.700	0.074	0.27	4.65E-13	7
Dnajc15	2.35E-17	0.260	0.517	0.284	5.83E-13	7
Ogfrl1	2.61E-17	-0.732	0.071	0.268	6.49E-13	7
Junb	2.64E-17	-0.903	0.966	0.926	6.56E-13	7
Irf5	3.60E-17	-0.582	0.077	0.274	8.94E-13	7
Pdxk	4.00E-17	-0.745	0.125	0.318	9.94E-13	7
Zfand2a	4.03E-17	-0.928	0.207	0.386	1.00E-12	7
Morf4l1	4.50E-17	0.282	0.974	0.805	1.12E-12	7
Eif5	5.99E-17	-0.676	0.932	0.857	1.49E-12	7
Atox1	6.82E-17	-0.998	0.474	0.542	1.69E-12	7
Metrl	7.29E-17	-0.954	0.298	0.452	1.81E-12	7
Ptprj	7.58E-17	-0.802	0.27	0.437	1.88E-12	7
Gas2l3	9.97E-17	-0.797	0.173	0.369	2.48E-12	7
Dnase2a	1.10E-16	-0.534	0.068	0.256	2.72E-12	7
Eif5b	1.26E-16	0.286	0.895	0.615	3.12E-12	7
Tcf4	1.69E-16	-0.795	0.116	0.305	4.19E-12	7
Gnaq	1.85E-16	-0.646	0.119	0.311	4.60E-12	7
Ecm1	2.95E-16	-0.846	0.114	0.302	7.32E-12	7
Cndp2	3.03E-16	-1.131	0.398	0.483	7.52E-12	7
Ms4a4c	3.51E-16	-1.090	0.116	0.303	8.71E-12	7
Eno1	4.28E-16	0.250	0.915	0.646	1.06E-11	7
Atp6v1a	6.48E-16	-1.228	0.574	0.578	1.61E-11	7
Synj1	9.86E-16	-0.848	0.295	0.451	2.45E-11	7
Hsd17b11	1.03E-15	-0.734	0.196	0.376	2.56E-11	7
Anxa4	1.20E-15	-0.920	0.287	0.426	2.99E-11	7
Vamp8	1.57E-15	0.325	0.741	0.479	3.91E-11	7
Gadd45g	2.37E-15	-1.046	0.085	0.267	5.88E-11	7
Canx	2.76E-15	0.267	0.932	0.664	6.87E-11	7
Atp6v1e1	4.24E-15	-0.932	0.585	0.605	1.05E-10	7
Pxn	5.53E-15	-0.805	0.213	0.385	1.37E-10	7
Sgk1	6.13E-15	-1.111	0.179	0.349	1.52E-10	7
Npc1	1.21E-14	-0.838	0.253	0.406	2.99E-10	7
H3f3a	1.31E-14	-0.395	0.98	0.931	3.26E-10	7
Tcp1l12	1.39E-14	-0.838	0.128	0.311	3.45E-10	7
Jmjd1c	3.12E-14	-0.927	0.349	0.481	7.76E-10	7
Map3k8	3.21E-14	-0.707	0.088	0.261	7.98E-10	7
Tm6sf1	3.33E-14	-0.658	0.173	0.346	8.28E-10	7
Gng5	3.64E-14	-0.713	0.747	0.666	9.05E-10	7
Mtss1	3.96E-14	-0.636	0.085	0.251	9.84E-10	7

CD8a-pAbO (Ab)	5.11E-14	1.124	0.821	0.701	1.27E-09	7
Rtn4	6.61E-14	-0.756	0.67	0.624	1.64E-09	7
Sh2b3	6.76E-14	-0.551	0.085	0.256	1.68E-09	7
Atp6v0e	8.05E-14	-0.690	0.776	0.675	2.00E-09	7
Cnpy3	8.96E-14	-0.509	0.139	0.309	2.23E-09	7
Vsir	1.02E-13	-0.753	0.219	0.376	2.53E-09	7
Atp6v1h	1.10E-13	-0.890	0.375	0.477	2.73E-09	7
Glrx	1.11E-13	0.290	0.739	0.507	2.76E-09	7
Abl2	1.88E-13	-0.776	0.23	0.382	4.68E-09	7
Tmed2	2.11E-13	0.253	0.915	0.653	5.23E-09	7
Atp6ap1	2.39E-13	-0.839	0.511	0.541	5.93E-09	7
Cyth1	2.70E-13	-0.715	0.253	0.404	6.71E-09	7
Creg1	3.01E-13	-0.970	0.267	0.398	7.49E-09	7
Ube2l3	3.14E-13	0.266	0.909	0.656	7.79E-09	7
Actr2	3.54E-13	0.271	0.946	0.689	8.80E-09	7
Ctsc	4.08E-13	-1.417	0.648	0.589	1.01E-08	7
Malt1	4.11E-13	-1.095	0.355	0.468	1.02E-08	7
Casp4	4.41E-13	-0.885	0.224	0.372	1.10E-08	7
Samd8	4.69E-13	-0.658	0.125	0.281	1.17E-08	7
Ext1	6.37E-13	-0.578	0.111	0.272	1.58E-08	7
Spp1	6.71E-13	-2.412	0.114	0.275	1.67E-08	7
Xdh	7.17E-13	-0.582	0.108	0.27	1.78E-08	7
Sec61b	8.19E-13	0.255	0.832	0.591	2.03E-08	7
Cux1	8.37E-13	-0.757	0.27	0.409	2.08E-08	7
Soat1	1.37E-12	-0.879	0.389	0.472	3.41E-08	7
Pfkfb3	1.56E-12	-0.988	0.193	0.341	3.87E-08	7
Rapgef2	2.08E-12	-0.729	0.19	0.344	5.16E-08	7
Gng12	2.71E-12	-0.640	0.168	0.32	6.72E-08	7
Cox6b1	2.79E-12	0.262	0.932	0.676	6.92E-08	7
Slc16a10	2.97E-12	-0.673	0.134	0.289	7.37E-08	7
Washc2	3.14E-12	-0.747	0.222	0.365	7.81E-08	7
Mfsd1	3.16E-12	-0.750	0.332	0.427	7.86E-08	7
Snap23	3.68E-12	-0.678	0.224	0.368	9.13E-08	7
Jarid2	4.39E-12	-0.848	0.307	0.439	1.09E-07	7
Ndel1	4.71E-12	-0.731	0.384	0.486	1.17E-07	7
Chmp4b	4.77E-12	-0.581	0.841	0.732	1.19E-07	7
Gadd45b	5.41E-12	-1.260	0.526	0.575	1.34E-07	7
Vav3	6.59E-12	-0.496	0.111	0.266	1.64E-07	7
Clta	6.64E-12	-0.629	0.815	0.672	1.65E-07	7
Lmo4	7.98E-12	-0.885	0.324	0.446	1.98E-07	7
Gm26917	9.82E-12	-0.543	0.866	0.578	2.44E-07	7
Ywhae	1.07E-11	0.267	0.963	0.79	2.67E-07	7
Iqgap1	1.19E-11	-0.572	0.969	0.834	2.94E-07	7
Gpnmb	1.21E-11	-2.048	0.122	0.261	3.02E-07	7
Naga	1.31E-11	-0.606	0.114	0.26	3.25E-07	7
Mafk	1.56E-11	-1.005	0.338	0.451	3.88E-07	7

Zfand5	1.83E-11	-0.932	0.776	0.678	4.55E-07	7
Riok3	2.20E-11	-0.789	0.528	0.555	5.46E-07	7
Pde4b	2.32E-11	-0.974	0.526	0.564	5.75E-07	7
Asah1	3.04E-11	-0.620	0.239	0.36	7.54E-07	7
Grb2	3.34E-11	-0.588	0.852	0.729	8.30E-07	7
Arl8a	3.87E-11	-0.627	0.293	0.413	9.62E-07	7
Itpripl2	4.02E-11	-0.473	0.122	0.271	9.98E-07	7
Piezo1	4.10E-11	-0.884	0.366	0.465	1.02E-06	7
Mgrn1	4.12E-11	-0.413	0.108	0.256	1.02E-06	7
S100a6	5.64E-11	-0.812	0.838	0.772	1.40E-06	7
Mcf2d	7.25E-11	-0.576	0.136	0.278	1.80E-06	7
Atp6v1g1	1.04E-10	-0.718	0.491	0.513	2.58E-06	7
Tubb6	1.20E-10	-0.804	0.44	0.505	2.97E-06	7
Arpc1b	1.23E-10	-0.387	0.969	0.828	3.06E-06	7
Neu1	1.26E-10	-0.586	0.168	0.31	3.12E-06	7
Flcn	1.66E-10	-0.822	0.491	0.537	4.12E-06	7
Bcl2l11	1.91E-10	-0.897	0.585	0.619	4.75E-06	7
Hspa5	2.62E-10	-0.500	1	0.955	6.50E-06	7
Slc43a2	3.05E-10	-0.478	0.116	0.256	7.59E-06	7
Eif4e	3.08E-10	-0.995	0.781	0.67	7.64E-06	7
Hpcal1	3.28E-10	-0.624	0.366	0.464	8.14E-06	7
Laptn4a	3.81E-10	-0.624	0.79	0.656	9.46E-06	7
Camk1d	4.25E-10	-0.520	0.116	0.251	1.06E-05	7
Ccl3	4.27E-10	-3.056	0.185	0.318	1.06E-05	7
Jdp2	4.78E-10	-0.932	0.358	0.458	1.19E-05	7
Ldlr	5.16E-10	-0.813	0.222	0.344	1.28E-05	7
Pik3r5	5.82E-10	-0.543	0.148	0.282	1.45E-05	7
Slfn5	5.95E-10	-0.787	0.196	0.321	1.48E-05	7
Ccl4	6.45E-10	-2.987	0.205	0.334	1.60E-05	7
Selenop	6.92E-10	-2.553	0.352	0.415	1.72E-05	7
Cflar	8.04E-10	-0.929	0.582	0.591	2.00E-05	7
Map4k4	8.37E-10	-1.043	0.526	0.547	2.08E-05	7
Notch2	9.20E-10	-0.721	0.244	0.368	2.29E-05	7
St3gal1	9.28E-10	-0.799	0.375	0.478	2.30E-05	7
Cltc	1.15E-09	-0.467	0.901	0.789	2.85E-05	7
Elmsan1	1.31E-09	-0.674	0.173	0.303	3.25E-05	7
Nampt	1.37E-09	-0.815	0.557	0.558	3.41E-05	7
Med13l	1.79E-09	-0.706	0.327	0.431	4.44E-05	7
Nfic	1.82E-09	-0.797	0.202	0.322	4.53E-05	7
Irs2	1.99E-09	-0.825	0.321	0.435	4.95E-05	7
Cd274	2.27E-09	-0.997	0.338	0.436	5.64E-05	7
Pi4k2a	2.69E-09	-0.580	0.236	0.353	6.69E-05	7
Vps26a	3.66E-09	-0.646	0.31	0.405	9.08E-05	7
Ctsd	4.14E-09	-1.377	0.679	0.58	0.000102711	7
Csnk1e	4.41E-09	-0.642	0.173	0.299	0.000109532	7
Gm2a	4.45E-09	-0.795	0.662	0.65	0.000110617	7

Rassf2	4.61E-09	-0.494	0.151	0.276	0.000114528	7
Chka	4.70E-09	-1.115	0.406	0.464	0.000116672	7
Ralgds	5.62E-09	-0.594	0.142	0.266	0.00013949	7
Dnajb9	6.92E-09	-0.975	0.67	0.611	0.000171929	7
Gfod1	6.98E-09	-0.276	0.301	0.156	0.00017329	7
Neat1	1.02E-08	-1.116	0.247	0.355	0.000252895	7
Fndc3a	1.10E-08	-0.587	0.19	0.314	0.000272756	7
Ccr12	1.16E-08	-1.618	0.438	0.475	0.000287666	7
Rgs10	1.22E-08	-0.554	0.321	0.424	0.000304198	7
Slc11a2	1.34E-08	-0.489	0.153	0.271	0.000333576	7
Ttyh3	1.48E-08	-0.514	0.213	0.334	0.000366528	7
Bnip3	2.00E-08	-1.003	0.193	0.305	0.000496288	7
Samhd1	2.24E-08	-0.786	0.659	0.637	0.000556736	7
Foxp1	3.07E-08	-0.704	0.332	0.431	0.000763277	7
Rilpl2	4.26E-08	-0.921	0.668	0.612	0.001058031	7
Ppp1r9b	4.29E-08	-0.523	0.236	0.347	0.001064524	7
Pdlim5	4.29E-08	-0.554	0.276	0.38	0.001065489	7
Tpp1	4.81E-08	-0.752	0.349	0.407	0.001195119	7
Osbpl8	4.86E-08	-0.810	0.506	0.521	0.001208047	7
Clic4	5.03E-08	-0.952	0.733	0.615	0.001249884	7
Ccr5	5.71E-08	-0.809	0.443	0.493	0.001419263	7
Rab5c	6.15E-08	-0.590	0.702	0.599	0.001527311	7
Klf7	6.96E-08	-0.740	0.182	0.29	0.001728768	7
Stat2	8.83E-08	-0.815	0.253	0.354	0.002193654	7
Mapk6	1.17E-07	-0.740	0.554	0.563	0.002894719	7
Etv6	1.30E-07	-0.482	0.207	0.315	0.003224767	7
Snx30	1.42E-07	-0.433	0.151	0.263	0.003522844	7
Sp140	1.68E-07	-0.849	0.295	0.377	0.004178668	7
Tubb2a	1.89E-07	-0.594	0.23	0.332	0.004697426	7
Bst2	2.89E-07	-0.670	0.278	0.361	0.007187425	7
Slc38a2	3.36E-07	-0.615	0.872	0.78	0.008351854	7
Rab1a	3.42E-07	-0.481	0.895	0.741	0.008484304	7
Mpp1	3.68E-07	-0.640	0.241	0.327	0.009151993	7
Pld3	4.32E-07	-0.291	0.688	0.399	0.01073897	7
Cyfip1	4.61E-07	-0.537	0.29	0.367	0.011461932	7
Cd84	4.72E-07	-0.771	0.273	0.339	0.011711821	7
Cpeb2	5.66E-07	-0.595	0.176	0.281	0.014047141	7
Rbms1	5.68E-07	-0.667	0.79	0.664	0.014116667	7
2310022A10Rik	5.74E-07	-0.574	0.219	0.312	0.014264162	7
Lgals8	5.99E-07	-0.415	0.153	0.262	0.014885564	7
Tet3	6.61E-07	-0.648	0.241	0.334	0.016409644	7
Mef2a	6.65E-07	-0.568	0.366	0.437	0.016511028	7
Timp2	7.21E-07	-1.130	0.227	0.306	0.017911765	7
Gna13	7.41E-07	-0.420	0.866	0.809	0.01841309	7
Akr1a1	7.96E-07	-0.673	0.804	0.629	0.019774004	7
Phf23	8.72E-07	-0.673	0.423	0.46	0.021663884	7



Cerk	9.39E-07	-0.477	0.151	0.253	0.023323213	7
Isg15	9.46E-07	-1.215	0.293	0.366	0.023489844	7
Entpd1	9.50E-07	-0.825	0.261	0.342	0.023594134	7
Mxd1	1.23E-06	-0.884	0.719	0.692	0.030642929	7
Camta2	1.26E-06	-0.432	0.148	0.25	0.031255346	7
Phlda1	1.26E-06	-0.317	0.688	0.466	0.031318053	7
Rap2b	1.41E-06	-0.696	0.344	0.402	0.035004482	7
Rasa2	1.83E-06	-0.272	0.46	0.286	0.045402864	7
Gusb	2.01E-06	-0.607	0.344	0.391	0.050047414	7
Cxcr4	2.12E-06	-0.693	0.747	0.738	0.052684709	7
Lasp1	2.13E-06	-0.802	0.699	0.637	0.052995931	7
Plk2	2.14E-06	-0.999	0.185	0.276	0.053133035	7
Slc25a37	3.14E-06	-0.299	0.361	0.219	0.077921642	7
Cers6	3.18E-06	-0.485	0.182	0.274	0.078977917	7
Eif4a1	3.83E-06	-0.309	0.957	0.855	0.095166405	7
Pea15a	4.11E-06	-0.437	0.224	0.312	0.102118047	7
Igsf8	4.16E-06	-0.393	0.165	0.254	0.103445054	7
Gadd45a	4.78E-06	-1.389	0.193	0.277	0.118699642	7
Scarb2	4.80E-06	-0.485	0.287	0.358	0.119125224	7
Cyba	7.12E-06	-0.496	0.849	0.683	0.176951426	7
Kif1c	7.73E-06	-0.601	0.347	0.391	0.192122718	7
Arf2	7.76E-06	-0.383	0.199	0.287	0.192867619	7
Stx12	8.82E-06	-0.337	0.193	0.282	0.219008523	7
Rragc	9.42E-06	-0.608	0.511	0.495	0.234099755	7
Ap3d1	9.77E-06	-0.515	0.335	0.392	0.242706893	7
Brd2	9.91E-06	-0.483	0.943	0.845	0.246083586	7
Rassf3	1.09E-05	-0.654	0.412	0.444	0.270218508	7
Marcksl1	1.09E-05	-1.444	0.577	0.556	0.270795277	7
Trafd1	1.20E-05	-0.490	0.264	0.343	0.297558204	7
Sertad1	1.47E-05	-0.611	0.264	0.332	0.364964163	7
Lrrfip2	1.57E-05	-0.636	0.276	0.342	0.390832712	7
Vapa	1.67E-05	-0.513	0.73	0.615	0.414430499	7
Fabp5	1.72E-05	-1.977	0.631	0.528	0.428035165	7
Entpd7	2.28E-05	-0.540	0.216	0.291	0.565857337	7
Emp3	2.40E-05	-0.522	0.804	0.665	0.59508429	7
Osbpl9	2.48E-05	-0.671	0.386	0.423	0.616922666	7
Snx10	2.57E-05	-0.554	0.25	0.313	0.637214341	7
Lmbrd1	2.63E-05	-0.445	0.33	0.395	0.654292657	7
Atp6v1d	2.67E-05	-0.571	0.52	0.497	0.664336154	7
AB124611	2.72E-05	-0.399	0.168	0.25	0.675515002	7
Cacul1	2.73E-05	-0.584	0.52	0.511	0.678531694	7
Bcl3	3.25E-05	-0.594	0.307	0.37	0.807047494	7
Hspa1b	4.23E-05	-0.498	0.759	0.582	1	7
Wsb2	4.28E-05	-0.500	0.253	0.315	1	7
Prdx1	4.95E-05	-0.272	0.923	0.659	1	7
Slc16a3	5.43E-05	-0.521	0.188	0.262	1	7

Arcp3	5.92E-05	-0.336	0.901	0.758	1	7
Ubb	6.02E-05	-0.412	0.997	0.982	1	7
Tet2	6.50E-05	-0.615	0.301	0.359	1	7
Tspan14	6.82E-05	-0.590	0.406	0.431	1	7
Ptp4a1	7.43E-05	-0.536	0.869	0.762	1	7
Map7d1	7.76E-05	-0.520	0.514	0.512	1	7
Snx1	9.63E-05	-0.504	0.429	0.425	1	7
Arl8b	0.00011412	-0.550	0.58	0.528	1	7
Itm2b	0.00012153	-0.720	0.957	0.774	1	7
Rara	0.00012323	-0.524	0.284	0.346	1	7
Txnip	0.000151	-0.821	0.298	0.351	1	7
Myo5a	0.00015487	-0.515	0.304	0.346	1	7
Fcho2	0.0001563	-0.462	0.244	0.317	1	7
Acap2	0.00017037	-0.586	0.327	0.378	1	7
Rhbdf2	0.0001873	-0.540	0.281	0.334	1	7
Plec	0.00019844	-0.656	0.384	0.413	1	7
Ccr2	0.00021336	-0.598	0.281	0.344	1	7
Retreg1	0.00022297	-0.270	0.347	0.232	1	7
Zmiz1	0.00026467	-0.574	0.509	0.504	1	7
Nfkbid	0.00028328	-0.277	0.415	0.287	1	7
B4galt5	0.00028957	-0.652	0.486	0.474	1	7
Lgals3bp	0.00032246	-0.704	0.389	0.391	1	7
Ctnna1	0.00033957	-0.550	0.398	0.417	1	7
Cpeb4	0.00041707	-0.662	0.372	0.405	1	7
Rhog	0.00042672	-0.363	0.906	0.786	1	7
Sgms1	0.00043937	-0.443	0.25	0.317	1	7
Dot1l	0.00044542	-0.658	0.452	0.452	1	7
Tspan3	0.00044685	-0.608	0.301	0.338	1	7
Erp29	0.00048276	-0.527	0.511	0.456	1	7
Crtc3	0.00049657	-0.431	0.23	0.289	1	7
Ncoa4	0.00052154	-0.261	0.42	0.281	1	7
Mt1	0.00052793	-0.720	0.92	0.763	1	7
Rnf213	0.00053016	-0.781	0.264	0.314	1	7
Tmem50b	0.00054567	-0.326	0.216	0.281	1	7
Fuca2	0.00064264	-0.383	0.205	0.264	1	7
Apbb1ip	0.00064574	-0.614	0.506	0.489	1	7
Rap1b	0.0007868	-0.265	0.966	0.846	1	7
Sde2	0.00082697	-0.787	0.497	0.469	1	7
Slc2a1	0.00083561	-0.874	0.517	0.477	1	7
Baiap2	0.00103873	-0.493	0.222	0.278	1	7
Adipor1	0.00105658	-0.269	0.645	0.45	1	7
Ero1l	0.00114703	-0.902	0.682	0.454	1	7
Ube2f	0.00115654	-0.404	0.312	0.352	1	7
Rnf13	0.00118305	-0.334	0.259	0.306	1	7
Fam111a	0.00124494	-0.275	0.378	0.261	1	7
Got1	0.00130465	-0.461	0.679	0.647	1	7

Prdm2	0.00137497	-0.676	0.557	0.521	1	7
Hist1h2bc	0.00138349	0.363	0.403	0.292	1	7
Nfkbiz	0.00141035	-1.146	0.438	0.442	1	7
Hk2	0.00142401	-0.659	0.358	0.383	1	7
Gde1	0.00156017	-0.600	0.281	0.312	1	7
Aff1	0.00175181	-0.485	0.406	0.431	1	7
Kcnn4	0.00198547	-0.253	0.534	0.369	1	7
Gpr132	0.0021181	-0.401	0.827	0.56	1	7
Ppt1	0.00240356	-0.576	0.307	0.33	1	7
Lamtor3	0.00241925	-0.413	0.295	0.327	1	7
Bag3	0.00250157	-0.582	0.435	0.43	1	7
Eif1	0.00260043	-0.256	0.989	0.942	1	7
Epb4112	0.00264298	-0.515	0.443	0.441	1	7
Ankrd12	0.00271972	-0.303	0.551	0.408	1	7
Smim3	0.00281413	-0.801	0.537	0.498	1	7
Rabgef1	0.00288825	-0.658	0.426	0.423	1	7
Abhd12	0.00295564	-0.404	0.261	0.294	1	7
Ucp2	0.00306356	-0.429	0.98	0.782	1	7
P4hb	0.00311743	-0.470	0.878	0.701	1	7
Uck2	0.00330359	-0.337	0.605	0.414	1	7
Chd7	0.00350178	-0.814	0.506	0.474	1	7
Nsf	0.00363086	-0.346	0.253	0.294	1	7
Hbp1	0.0038413	-0.546	0.349	0.374	1	7
Dgkz	0.00384146	-0.311	0.395	0.277	1	7
Impact	0.00399965	-0.556	0.332	0.362	1	7
Cd53	0.00428552	-0.432	0.938	0.803	1	7
Tmbim1	0.00465296	-0.367	0.261	0.297	1	7
Plpbp	0.00476846	-0.434	0.264	0.3	1	7
Stxbp3	0.00569939	-0.323	0.224	0.271	1	7
Nktr	0.00572401	-0.253	0.645	0.484	1	7
Wdr26	0.00592151	-0.424	0.852	0.702	1	7
Msl2	0.00598141	-0.306	0.497	0.357	1	7
Ypel5	0.00602162	-0.432	0.33	0.368	1	7
Sirt1	0.00619329	-0.300	0.423	0.303	1	7
Tmbim6	0.0063998	-0.262	0.94	0.775	1	7
Gcsh	0.00658727	-0.513	0.307	0.329	1	7
Suco	0.00679071	-0.395	0.517	0.376	1	7
Pgap2	0.00713498	-0.284	0.219	0.264	1	7
Arid5b	0.00807243	-0.802	0.259	0.292	1	7
Cpne3	0.00882147	-0.284	0.224	0.268	1	7
Tut7	0.00898187	-0.340	0.659	0.473	1	7
Trim30a	0.00921714	-0.523	0.31	0.332	1	7
Il6st	0.00933493	-0.288	0.219	0.267	1	7
Ccdc711	0.00983838	-0.468	0.253	0.284	1	7
Retnlg	0	4.671	0.587	0.042	0	8
Il1rl1	0	3.326	0.713	0.058	0	8

F5	0	3.316	0.606	0.026	0	8
Alox15	0	3.221	0.538	0.009	0	8
Cyp4f18	9.73E-278	3.970	0.933	0.223	2.42E-273	8
Prg2	1.30E-276	2.680	0.281	0.005	3.23E-272	8
Serpinb2	2.68E-217	2.758	0.364	0.022	6.66E-213	8
Rab44	8.56E-213	2.268	0.391	0.028	2.13E-208	8
Fgfr1	2.59E-208	3.214	0.593	0.088	6.42E-204	8
Retnla	3.88E-177	4.091	0.615	0.11	9.64E-173	8
Ccr3	8.21E-177	2.281	0.324	0.023	2.04E-172	8
Cd24a	1.11E-156	2.752	0.841	0.288	2.76E-152	8
Rflnb	5.07E-149	2.100	0.272	0.019	1.26E-144	8
Ccl6	1.51E-146	2.698	0.945	0.519	3.75E-142	8
Aqp9	1.32E-139	2.157	0.281	0.023	3.28E-135	8
Pla2g7	8.50E-139	3.039	0.801	0.348	2.11E-134	8
mt-Co1	8.54E-133	-1.802	0.985	0.995	2.12E-128	8
Malat1	2.73E-132	1.514	1	0.962	6.79E-128	8
Srgn	1.14E-129	1.588	0.991	0.96	2.82E-125	8
mt-Atp6	1.37E-120	-1.740	0.85	0.991	3.41E-116	8
Ctsb	6.52E-120	-3.435	0.177	0.887	1.62E-115	8
mt-Cytb	7.39E-117	-1.931	0.654	0.984	1.84E-112	8
mt-Nd5	9.38E-116	-2.190	0.269	0.944	2.33E-111	8
Tgm2	2.54E-113	2.723	0.81	0.442	6.30E-109	8
Rpl28	1.32E-111	-2.203	0.22	0.869	3.28E-107	8
Cd300lf	7.56E-110	3.135	0.768	0.381	1.88E-105	8
mt-Nd4l	2.64E-108	-2.134	0.101	0.851	6.56E-104	8
Rps28	5.36E-108	-1.828	0.385	0.919	1.33E-103	8
Adam8	1.76E-106	2.003	0.902	0.658	4.38E-102	8
Ctss	3.45E-106	-3.567	0.162	0.807	8.57E-102	8
Cd9	1.43E-104	2.188	0.813	0.446	3.55E-100	8
mt-Nd4	6.69E-101	-1.683	0.651	0.98	1.66E-96	8
Rps11	1.17E-99	-2.048	0.266	0.861	2.92E-95	8
Ubb	1.26E-99	1.410	0.988	0.982	3.13E-95	8
Rpl39	5.69E-95	-1.922	0.373	0.877	1.41E-90	8
Eef1a1	7.02E-95	-1.689	0.731	0.965	1.74E-90	8
Rpl31	1.88E-93	-1.736	0.312	0.872	4.68E-89	8
Slc2a3	1.65E-92	2.373	0.404	0.084	4.10E-88	8
Atp11b	1.67E-92	2.634	0.761	0.469	4.15E-88	8
Lgals1	3.79E-92	-2.499	0.089	0.737	9.43E-88	8
Rpl35	4.47E-92	-1.970	0.193	0.826	1.11E-87	8
Rpl23	5.40E-92	-1.489	0.529	0.937	1.34E-87	8
Orai2	5.50E-92	2.464	0.462	0.118	1.37E-87	8
Cd74	1.85E-91	-3.978	0.22	0.806	4.59E-87	8
Cd14	7.07E-91	-3.338	0.034	0.679	1.76E-86	8
Basp1	7.80E-91	1.617	0.936	0.716	1.94E-86	8
Got1	4.62E-90	-2.197	0.028	0.681	1.15E-85	8
Rpl6	2.93E-89	-1.676	0.324	0.879	7.28E-85	8

Rpl23a	6.90E-89	-1.762	0.251	0.866	1.71E-84	8
Klf4	1.46E-85	-2.846	0.024	0.649	3.63E-81	8
mt-Nd2	2.90E-85	-1.598	0.578	0.965	7.21E-81	8
Rps16	2.33E-84	-1.615	0.385	0.887	5.79E-80	8
Rpl29	8.01E-84	-1.577	0.098	0.762	1.99E-79	8
Rps19	3.95E-83	-1.750	0.199	0.825	9.80E-79	8
Anxa2	2.63E-81	-1.851	0.119	0.748	6.54E-77	8
App	2.67E-81	-2.361	0.031	0.64	6.63E-77	8
Rps26	5.47E-81	-1.551	0.508	0.904	1.36E-76	8
Iqgap1	1.06E-80	1.559	0.887	0.839	2.64E-76	8
Npc2	1.54E-80	-1.787	0.159	0.79	3.84E-76	8
Syne1	4.04E-80	2.156	0.388	0.089	1.00E-75	8
Rps18	5.25E-80	-1.811	0.116	0.745	1.30E-75	8
Alox5ap	8.00E-79	1.764	0.829	0.592	1.99E-74	8
Actr3	1.69E-77	1.389	0.902	0.841	4.21E-73	8
Smim3	5.31E-77	2.342	0.731	0.488	1.32E-72	8
Vim	1.17E-76	-1.922	0.462	0.888	2.91E-72	8
Rpl10	1.65E-75	-1.456	0.153	0.799	4.09E-71	8
Rpl21	2.81E-75	-1.564	0.177	0.801	6.98E-71	8
Rps2	9.02E-75	-1.536	0.223	0.83	2.24E-70	8
Ctsz	2.05E-74	-1.705	0.067	0.668	5.08E-70	8
Smox	5.78E-74	-2.040	0.024	0.604	1.44E-69	8
Rpl4	1.53E-73	-1.611	0.242	0.819	3.81E-69	8
Rpl12	1.54E-73	-1.604	0.183	0.794	3.83E-69	8
Rps8	1.86E-73	-1.454	0.459	0.896	4.63E-69	8
Ctsc	2.89E-73	-2.165	0.04	0.621	7.19E-69	8
Ifitm3	2.18E-71	-2.722	0.028	0.586	5.42E-67	8
Thbs1	1.04E-70	1.478	0.89	0.529	2.58E-66	8
Rps7	3.94E-70	-1.512	0.266	0.83	9.80E-66	8
Rpl37	4.25E-70	-1.347	0.373	0.874	1.06E-65	8
Scpep1	6.09E-70	-1.592	0.021	0.584	1.51E-65	8
Rpl15	1.30E-69	-1.466	0.217	0.808	3.23E-65	8
Sh3glb1	1.31E-69	-1.314	0.086	0.693	3.26E-65	8
Prdx1	2.45E-69	-1.807	0.104	0.703	6.07E-65	8
Rps4x	3.55E-69	-1.629	0.303	0.822	8.82E-65	8
H2-Ab1	3.94E-69	-3.809	0.171	0.694	9.80E-65	8
Snx5	1.02E-68	-1.525	0.052	0.629	2.54E-64	8
Hilpda	5.43E-68	-2.525	0.08	0.641	1.35E-63	8
Cd53	1.82E-67	-1.442	0.223	0.842	4.52E-63	8
Siglecg	1.98E-67	1.832	0.266	0.047	4.91E-63	8
Rpl32	2.67E-67	-1.441	0.269	0.835	6.63E-63	8
Gfod1	1.18E-66	2.266	0.45	0.149	2.94E-62	8
Marcks	1.36E-66	-2.217	0.037	0.582	3.39E-62	8
Cd68	3.02E-66	-2.063	0.119	0.668	7.49E-62	8
Gapdh	3.28E-66	-1.435	0.618	0.948	8.15E-62	8
Emb	9.00E-66	-2.105	0.028	0.569	2.24E-61	8

H2-Eb1	1.41E-65	-3.680	0.098	0.615	3.51E-61	8
Srpk2	1.45E-65	2.261	0.486	0.181	3.61E-61	8
H2-Aa	1.49E-65	-3.598	0.171	0.671	3.70E-61	8
Sdc4	5.23E-65	-2.045	0.015	0.545	1.30E-60	8
Prdx2	1.65E-64	-1.236	0.031	0.573	4.10E-60	8
Psmb8	2.10E-64	-1.329	0.052	0.608	5.22E-60	8
Gm11808	2.50E-64	-1.321	0.19	0.793	6.21E-60	8
Rps20	8.17E-64	-1.310	0.404	0.872	2.03E-59	8
Lyz2	1.13E-63	-3.674	0.119	0.628	2.81E-59	8
Calr	1.19E-63	-1.276	0.434	0.896	2.97E-59	8
Sh3bgr1	1.24E-63	-1.387	0.018	0.547	3.09E-59	8
Hspe1	5.31E-63	-1.381	0.092	0.663	1.32E-58	8
Rpl24	7.70E-63	-1.264	0.229	0.824	1.91E-58	8
Slc15a3	2.59E-62	-1.601	0.009	0.522	6.44E-58	8
Pten	3.58E-62	-1.097	0.067	0.629	8.90E-58	8
Ucp2	3.81E-62	-1.500	0.315	0.818	9.46E-58	8
Lgmn	1.12E-61	-2.434	0.021	0.532	2.79E-57	8
Rpl3	1.50E-61	-1.255	0.18	0.765	3.73E-57	8
Antxr2	1.75E-61	2.184	0.654	0.41	4.35E-57	8
Ifi207	2.59E-61	-1.869	0.018	0.53	6.43E-57	8
Ifitm2	3.89E-61	-1.625	0.107	0.657	9.66E-57	8
Odc1	5.79E-61	-2.106	0.162	0.712	1.44E-56	8
Ccr5	5.85E-61	-1.676	0.009	0.515	1.45E-56	8
Rack1	6.64E-61	-1.369	0.22	0.79	1.65E-56	8
Rpsa	6.66E-61	-1.409	0.217	0.783	1.65E-56	8
Rpl10a	8.94E-61	-1.156	0.095	0.667	2.22E-56	8
Eif3f	1.00E-60	-1.144	0.064	0.615	2.49E-56	8
Ccl9	1.36E-60	2.094	0.716	0.443	3.39E-56	8
Rpl36a	1.56E-60	-1.481	0.159	0.719	3.88E-56	8
Rpl27	1.83E-60	-1.133	0.187	0.787	4.55E-56	8
Sec61g	2.18E-60	-1.192	0.138	0.733	5.42E-56	8
Zfp361l1	2.64E-60	-1.797	0.064	0.595	6.55E-56	8
Rpl11	3.37E-60	-1.175	0.217	0.81	8.38E-56	8
Eef1b2	5.14E-60	-1.358	0.254	0.804	1.28E-55	8
Rpl30	5.31E-60	-1.311	0.318	0.834	1.32E-55	8
Edf1	6.59E-60	-1.019	0.052	0.593	1.64E-55	8
Gsr	1.20E-59	2.105	0.56	0.261	2.98E-55	8
Anxa5	5.77E-59	-1.334	0.095	0.648	1.43E-54	8
Eef1g	7.31E-59	-1.160	0.064	0.605	1.82E-54	8
Psme1	1.22E-58	-1.069	0.073	0.618	3.04E-54	8
Gna13	2.94E-58	-1.179	0.257	0.841	7.30E-54	8
Jun	3.16E-58	-2.176	0.119	0.649	7.86E-54	8
Slc7a11	4.15E-58	1.916	0.532	0.215	1.03E-53	8
Fabp5	5.83E-58	-2.759	0.058	0.559	1.45E-53	8
Rpl5	9.06E-58	-1.402	0.355	0.835	2.25E-53	8
Nlrp3	2.40E-57	-2.720	0.034	0.532	5.96E-53	8

Ms4a6c	4.62E-57	-2.104	0.015	0.498	1.15E-52	8
Nr4a2	5.05E-57	-1.773	0.037	0.536	1.25E-52	8
Shisa5	6.02E-57	-1.084	0.052	0.574	1.50E-52	8
Wfdc17	1.15E-56	-2.239	0.04	0.534	2.87E-52	8
Rps14	1.27E-56	-1.214	0.526	0.886	3.14E-52	8
Ifi27l2a	1.46E-56	-1.642	0.049	0.556	3.64E-52	8
Lilr4b	1.98E-56	1.135	0.859	0.719	4.93E-52	8
Eno1	3.80E-56	-1.271	0.138	0.689	9.44E-52	8
Zfand5	4.03E-56	-1.098	0.144	0.712	1.00E-51	8
Ncf2	5.67E-56	2.122	0.657	0.455	1.41E-51	8
Rps25	6.06E-56	-1.119	0.394	0.872	1.50E-51	8
Tubb6	7.78E-56	-1.162	0.031	0.527	1.93E-51	8
mt-Atp8	3.45E-55	-0.895	0.037	0.537	8.57E-51	8
S100a4	3.95E-55	-1.687	0.028	0.51	9.80E-51	8
Rpl38	4.58E-55	-1.062	0.456	0.881	1.14E-50	8
Ly86	6.64E-55	-1.731	0.018	0.495	1.65E-50	8
Il2rg	7.53E-55	-1.283	0.043	0.541	1.87E-50	8
Arf6	9.00E-55	-0.865	0.162	0.752	2.23E-50	8
Ybx3	1.27E-54	-1.296	0.031	0.517	3.17E-50	8
Pcbp1	1.43E-54	-1.055	0.226	0.825	3.54E-50	8
Mt2	1.97E-54	-2.486	0.064	0.55	4.90E-50	8
Tob2	3.63E-54	-1.197	0.165	0.727	9.01E-50	8
Actb	4.25E-54	0.648	1	0.99	1.06E-49	8
Rps3	5.31E-54	-1.206	0.477	0.88	1.32E-49	8
Rps15a	6.78E-54	-1.257	0.242	0.791	1.68E-49	8
Rpl34	8.55E-54	-1.131	0.465	0.882	2.12E-49	8
Gadd45b	1.83E-53	-1.601	0.089	0.598	4.54E-49	8
Pglyrp1	2.36E-53	1.885	0.422	0.146	5.85E-49	8
Gm26917	2.49E-53	-1.826	0.101	0.62	6.19E-49	8
Emp1	3.22E-53	-1.973	0.031	0.503	7.99E-49	8
Myl6	3.46E-53	1.232	0.841	0.845	8.60E-49	8
H2-D1	4.46E-53	0.781	0.997	0.965	1.11E-48	8
Snrpg	8.66E-53	-0.797	0.076	0.598	2.15E-48	8
Itgam	1.17E-52	1.757	0.688	0.476	2.92E-48	8
Ier3	1.88E-52	-2.122	0.135	0.628	4.66E-48	8
Slc25a5	4.28E-52	-1.012	0.159	0.72	1.06E-47	8
Krtcap2	5.50E-52	-0.996	0.031	0.506	1.37E-47	8
Atp5j	7.84E-52	-0.861	0.052	0.546	1.95E-47	8
Btg1	8.96E-52	1.202	0.911	0.925	2.22E-47	8
Mndal	2.89E-51	-1.526	0.012	0.465	7.18E-47	8
Akr1a1	4.49E-51	-1.059	0.131	0.665	1.12E-46	8
Mafb	4.59E-51	-2.368	0.012	0.46	1.14E-46	8
Rps17	6.82E-51	-1.069	0.232	0.777	1.69E-46	8
Rpl14	8.78E-51	-1.036	0.174	0.718	2.18E-46	8
Nampt	9.90E-51	-1.062	0.08	0.583	2.46E-46	8
Tmsb10	1.22E-50	-1.151	0.327	0.852	3.04E-46	8

Cd83	1.59E-50	-1.621	0.006	0.449	3.95E-46	8
Ssr4	1.82E-50	-0.897	0.015	0.468	4.51E-46	8
Atp5e	1.90E-50	-0.865	0.131	0.681	4.72E-46	8
Tmsb4x	1.94E-50	0.643	1	0.97	4.83E-46	8
Psap	2.39E-50	-2.248	0.529	0.867	5.93E-46	8
Rpl17	3.81E-50	-1.058	0.612	0.913	9.47E-46	8
Sec61b	6.25E-50	-0.823	0.104	0.631	1.55E-45	8
Tmed9	6.48E-50	-0.740	0.101	0.629	1.61E-45	8
Soat1	6.62E-50	-1.185	0.031	0.491	1.64E-45	8
Hspa1a	6.87E-50	-2.628	0.141	0.615	1.71E-45	8
Atp6v1a	8.39E-50	-1.186	0.101	0.603	2.08E-45	8
Dad1	1.25E-49	-0.734	0.092	0.61	3.11E-45	8
Anp32b	1.44E-49	-0.908	0.131	0.666	3.58E-45	8
Dusp2	2.11E-49	-1.934	0.021	0.468	5.24E-45	8
Pgam1	5.20E-49	-1.139	0.168	0.694	1.29E-44	8
Rpl10-ps3	5.96E-49	-0.664	0.107	0.636	1.48E-44	8
Picalm	8.24E-49	-1.090	0.336	0.842	2.05E-44	8
Ndr1	1.15E-48	-1.598	0.028	0.473	2.87E-44	8
Mpeg1	1.51E-48	-1.724	0.024	0.467	3.76E-44	8
Atp5o	1.54E-48	-0.741	0.07	0.563	3.83E-44	8
Rraga	1.62E-48	-0.949	0.034	0.49	4.01E-44	8
Anxa1	2.04E-48	-1.742	0.015	0.451	5.07E-44	8
Unc93b1	2.14E-48	-1.197	0.018	0.46	5.33E-44	8
Aif1	3.09E-48	-1.604	0.003	0.43	7.66E-44	8
Arl4c	3.14E-48	1.585	0.771	0.678	7.79E-44	8
Rpl18	4.51E-48	-0.998	0.251	0.805	1.12E-43	8
Rgs10	4.61E-48	-1.094	0.009	0.441	1.14E-43	8
Rpl9	5.78E-48	-1.032	0.456	0.87	1.44E-43	8
Rpl8	9.46E-48	-1.043	0.266	0.795	2.35E-43	8
Snx9	9.54E-48	-1.118	0.028	0.472	2.37E-43	8
Plbd1	1.30E-47	-1.635	0.037	0.481	3.22E-43	8
Tpm4	1.52E-47	-0.833	0.083	0.575	3.77E-43	8
Zfp703	1.57E-47	-1.145	0.067	0.539	3.89E-43	8
Ms4a6d	1.58E-47	-1.678	0.012	0.441	3.92E-43	8
Syng2	1.59E-47	-1.341	0.055	0.513	3.94E-43	8
Tubb5	1.61E-47	-1.111	0.083	0.566	4.00E-43	8
Hnrnpa1	2.38E-47	-0.755	0.15	0.695	5.92E-43	8
Grina	3.34E-47	1.967	0.657	0.481	8.30E-43	8
Fkbp1a	3.39E-47	-0.653	0.086	0.581	8.42E-43	8
Rps27l	3.52E-47	-0.914	0.04	0.494	8.74E-43	8
Topors	6.71E-47	-0.951	0.031	0.474	1.67E-42	8
Cox7b	7.25E-47	-0.659	0.092	0.593	1.80E-42	8
Rpl22l1	7.41E-47	-0.848	0.086	0.576	1.84E-42	8
Rpl27a	8.45E-47	-0.911	0.489	0.879	2.10E-42	8
Gm2000	1.03E-46	-0.781	0.028	0.468	2.56E-42	8
Preli1	1.11E-46	-0.609	0.083	0.575	2.75E-42	8



Rab7b	1.37E-46	-1.510	0.018	0.446	3.41E-42	8
Taldo1	1.76E-46	1.775	0.676	0.576	4.36E-42	8
Nsa2	1.90E-46	-0.729	0.122	0.642	4.71E-42	8
Sik1	2.33E-46	-0.716	0.153	0.684	5.78E-42	8
Irf8	3.46E-46	-1.436	0.015	0.439	8.59E-42	8
Nr4a1	4.68E-46	-1.528	0.086	0.549	1.16E-41	8
Rps27	5.08E-46	-1.083	0.563	0.921	1.26E-41	8
Ppp1ca	6.97E-46	-0.771	0.125	0.639	1.73E-41	8
Insig1	1.02E-45	-0.814	0.046	0.496	2.53E-41	8
Snx18	1.05E-45	-0.957	0.055	0.51	2.61E-41	8
Rpl36	1.22E-45	-0.631	0.113	0.624	3.02E-41	8
Dab2	1.32E-45	-1.718	0.024	0.448	3.29E-41	8
Paxbp1	1.43E-45	2.306	0.55	0.324	3.56E-41	8
Atp6v1g1	1.71E-45	-0.745	0.067	0.536	4.24E-41	8
Ehd4	2.00E-45	-0.980	0.034	0.47	4.98E-41	8
Mrfap1	2.13E-45	-0.562	0.089	0.579	5.29E-41	8
Tmem258	2.46E-45	-0.659	0.064	0.531	6.12E-41	8
Apoe	2.70E-45	-3.288	0.104	0.532	6.71E-41	8
Uqcrb	3.84E-45	-0.671	0.104	0.605	9.54E-41	8
Eif2s2	3.93E-45	-0.692	0.147	0.676	9.76E-41	8
Pld3	5.97E-45	-1.325	0.018	0.436	1.48E-40	8
Eif3e	6.55E-45	-0.788	0.104	0.598	1.63E-40	8
Arl8b	7.33E-45	-0.666	0.08	0.555	1.82E-40	8
Uqcrq	7.97E-45	-0.591	0.07	0.54	1.98E-40	8
Gm9844	8.16E-45	-0.842	0.073	0.54	2.03E-40	8
Rab6a	8.40E-45	-0.767	0.067	0.531	2.09E-40	8
Atp6v1b2	8.56E-45	-0.915	0.144	0.652	2.13E-40	8
Malt1	9.76E-45	-1.229	0.046	0.484	2.43E-40	8
Atp5g2	9.82E-45	-0.926	0.144	0.662	2.44E-40	8
Piezo1	1.34E-44	-0.942	0.043	0.481	3.33E-40	8
Rpl19	1.64E-44	-0.937	0.254	0.802	4.06E-40	8
Pld4	1.76E-44	-1.228	0.003	0.405	4.37E-40	8
Peli1	1.81E-44	-0.801	0.11	0.6	4.49E-40	8
Lgals3bp	1.96E-44	-1.271	0.006	0.412	4.86E-40	8
Atp5b	2.32E-44	-0.742	0.098	0.587	5.77E-40	8
Cd52	3.31E-44	-1.179	0.474	0.856	8.23E-40	8
Pvr	3.73E-44	-1.146	0.009	0.415	9.27E-40	8
Rpl13	4.78E-44	-0.967	0.44	0.864	1.19E-39	8
Tuba1b	5.43E-44	-0.869	0.131	0.627	1.35E-39	8
Pdia3	6.30E-44	-0.840	0.165	0.688	1.56E-39	8
Ik	6.43E-44	-0.665	0.11	0.605	1.60E-39	8
H2-K1	6.75E-44	0.885	0.954	0.948	1.68E-39	8
Sdc3	7.42E-44	-1.212	0.009	0.412	1.84E-39	8
Map4k4	8.21E-44	-0.913	0.098	0.57	2.04E-39	8
Emilin2	9.64E-44	1.486	0.713	0.577	2.39E-39	8
Nap111	1.10E-43	-1.045	0.162	0.654	2.74E-39	8

Rars	1.26E-43	-0.951	0.037	0.464	3.12E-39	8
Pnrc1	1.34E-43	-1.048	0.226	0.762	3.34E-39	8
Cxcl16	1.96E-43	-1.380	0.012	0.416	4.87E-39	8
Sral	2.16E-43	-0.887	0.046	0.479	5.37E-39	8
Slc39a1	2.40E-43	-0.770	0.021	0.435	5.96E-39	8
Hint1	2.95E-43	-0.743	0.058	0.505	7.32E-39	8
Cndp2	3.30E-43	-1.111	0.061	0.501	8.19E-39	8
Psm4	6.84E-43	-0.643	0.07	0.526	1.70E-38	8
Sf3b4	6.98E-43	-0.503	0.067	0.521	1.73E-38	8
H2-DMA	7.11E-43	-1.292	0.009	0.406	1.77E-38	8
Fcgr2b	7.67E-43	-1.662	0.11	0.539	1.91E-38	8
Gadd45a	8.50E-43	1.932	0.517	0.26	2.11E-38	8
Atp5a1	1.02E-42	-0.734	0.171	0.703	2.53E-38	8
Psm6	1.14E-42	-0.685	0.064	0.512	2.84E-38	8
Il6ra	1.18E-42	-1.096	0.009	0.405	2.93E-38	8
Tomm20	1.49E-42	-0.566	0.128	0.634	3.71E-38	8
Cebpb	2.02E-42	1.205	0.841	0.778	5.02E-38	8
Atf3	2.13E-42	-1.452	0.07	0.5	5.28E-38	8
Cycs	2.27E-42	-0.715	0.049	0.481	5.64E-38	8
Maff	2.27E-42	-1.318	0.028	0.435	5.64E-38	8
Eif4a1	2.44E-42	-0.894	0.398	0.886	6.06E-38	8
Tbca	2.54E-42	-0.649	0.076	0.534	6.32E-38	8
Ptprc	3.35E-42	1.358	0.768	0.755	8.32E-38	8
Psm2	4.41E-42	-0.569	0.08	0.54	1.09E-37	8
Gm10073	7.09E-42	-0.855	0.19	0.706	1.76E-37	8
Uqcr11	1.12E-41	-0.709	0.012	0.405	2.79E-37	8
Mlf2	1.15E-41	-0.621	0.067	0.513	2.85E-37	8
Rpl26	1.24E-41	-0.849	0.257	0.803	3.08E-37	8
Atp5g1	1.29E-41	-0.752	0.083	0.539	3.22E-37	8
Snx1	1.57E-41	-0.712	0.034	0.446	3.91E-37	8
Gm10076	1.76E-41	-0.464	0.098	0.572	4.38E-37	8
Epb4112	1.95E-41	-0.761	0.043	0.462	4.84E-37	8
Txndc17	2.05E-41	-0.771	0.018	0.415	5.10E-37	8
Lsp1	2.08E-41	-1.433	0.11	0.549	5.17E-37	8
Socs3	2.25E-41	-1.196	0.049	0.468	5.58E-37	8
Dusp3	2.37E-41	-0.895	0.012	0.403	5.89E-37	8
Ndufa7	2.40E-41	-0.582	0.058	0.493	5.97E-37	8
Slc25a4	2.73E-41	-0.903	0.003	0.385	6.79E-37	8
Gnas	3.08E-41	-0.972	0.379	0.845	7.65E-37	8
Atp1b3	3.64E-41	-0.826	0.251	0.793	9.04E-37	8
Atpif1	4.19E-41	-0.764	0.067	0.506	1.04E-36	8
Bax	4.71E-41	-0.468	0.089	0.548	1.17E-36	8
5031439G07Rik	6.49E-41	-0.874	0.037	0.446	1.61E-36	8
Eef1d	8.66E-41	-0.499	0.104	0.577	2.15E-36	8
Ywhag	1.30E-40	-0.593	0.101	0.568	3.24E-36	8
Rpl37a	1.31E-40	-0.891	0.538	0.879	3.25E-36	8

Vdac1	1.69E-40	-0.690	0.07	0.508	4.19E-36	8
Eif3i	1.96E-40	-0.577	0.046	0.463	4.86E-36	8
Snrpf	1.99E-40	-0.657	0.055	0.479	4.94E-36	8
Jarid2	2.59E-40	-0.832	0.043	0.453	6.43E-36	8
Cited2	2.70E-40	-1.088	0.098	0.536	6.71E-36	8
Naca	3.12E-40	-0.542	0.156	0.672	7.74E-36	8
Rap2b	3.23E-40	-0.920	0.024	0.418	8.03E-36	8
Tnfrsf1b	3.65E-40	-0.740	0.119	0.587	9.07E-36	8
Eid1	5.18E-40	-0.747	0.052	0.47	1.29E-35	8
Atp2b1	5.48E-40	-0.693	0.223	0.74	1.36E-35	8
Rps12-ps3	5.55E-40	-0.615	0.144	0.642	1.38E-35	8
AW112010	6.52E-40	-1.879	0.003	0.374	1.62E-35	8
Rps27rt	7.39E-40	-0.659	0.171	0.686	1.84E-35	8
Nus1	7.97E-40	-0.700	0.043	0.452	1.98E-35	8
Cd86	9.49E-40	-0.945	0.018	0.404	2.36E-35	8
Mrpl52	1.04E-39	-0.761	0.012	0.392	2.58E-35	8
Snx2	1.06E-39	-0.807	0.043	0.449	2.64E-35	8
Ssr2	1.19E-39	-0.665	0.034	0.433	2.96E-35	8
Anxa4	1.23E-39	-0.845	0.037	0.438	3.04E-35	8
Cmpk1	1.32E-39	-0.522	0.061	0.487	3.27E-35	8
Ndufa12	1.36E-39	-0.756	0.012	0.391	3.39E-35	8
Tcirg1	1.51E-39	-0.728	0.08	0.516	3.75E-35	8
Hnrnpl	1.55E-39	-0.483	0.168	0.685	3.84E-35	8
Pcyt1a	1.64E-39	-0.928	0.061	0.478	4.07E-35	8
Pa2g4	1.71E-39	-0.723	0.052	0.466	4.25E-35	8
Lrrc59	1.77E-39	-0.687	0.021	0.408	4.40E-35	8
Bmp2k	1.79E-39	-0.843	0.012	0.39	4.45E-35	8
Ii7r	1.87E-39	-1.661	0.006	0.377	4.66E-35	8
Dusp5	1.89E-39	-0.923	0.287	0.791	4.69E-35	8
Gas2l3	1.96E-39	-1.041	0.006	0.378	4.87E-35	8
Swi5	2.37E-39	-0.609	0.043	0.449	5.89E-35	8
Selenop	2.67E-39	-2.615	0.043	0.431	6.63E-35	8
Spcs2	3.47E-39	-0.609	0.076	0.512	8.63E-35	8
H2afy	3.98E-39	-0.722	0.147	0.631	9.89E-35	8
Snrpe	4.04E-39	-0.523	0.122	0.599	1.00E-34	8
Lsm12	4.92E-39	-0.514	0.061	0.482	1.22E-34	8
Rheb	6.66E-39	-0.536	0.067	0.493	1.65E-34	8
Calm3	7.24E-39	-0.562	0.067	0.493	1.80E-34	8
Rbm47	9.02E-39	-0.929	0.021	0.402	2.24E-34	8
Fos	9.11E-39	-1.736	0.211	0.639	2.26E-34	8
Ppib	1.20E-38	-0.564	0.043	0.444	2.98E-34	8
Npm1	1.28E-38	-0.994	0.364	0.828	3.18E-34	8
Uqcrrf1	1.44E-38	-0.524	0.049	0.456	3.57E-34	8
Sppl2a	1.44E-38	-0.594	0.073	0.501	3.58E-34	8
Gusb	1.51E-38	-0.783	0.024	0.408	3.75E-34	8
Rps23	1.56E-38	-0.895	0.492	0.87	3.88E-34	8

Rps24	1.64E-38	-0.897	0.636	0.883	4.08E-34	8
Rpl18a	1.74E-38	-0.876	0.382	0.854	4.32E-34	8
Hspa1b	1.82E-38	-1.371	0.177	0.614	4.51E-34	8
Ndufc2	1.88E-38	-0.663	0.031	0.419	4.67E-34	8
Ranbp1	1.94E-38	-0.805	0.012	0.383	4.81E-34	8
Map2k1	1.99E-38	-0.551	0.052	0.46	4.94E-34	8
mt-Co2	2.01E-38	-0.799	0.985	0.995	5.00E-34	8
Eps8	2.34E-38	-1.013	0.028	0.411	5.81E-34	8
Maf	3.44E-38	-1.432	0.046	0.434	8.54E-34	8
Cebpa	3.46E-38	-1.284	0.009	0.374	8.59E-34	8
Atox1	4.27E-38	-0.675	0.11	0.562	1.06E-33	8
Alkbh5	5.00E-38	-0.509	0.11	0.566	1.24E-33	8
Tcp1	5.63E-38	-0.514	0.092	0.533	1.40E-33	8
Zmiz1	5.83E-38	-0.673	0.092	0.526	1.45E-33	8
Dock10	5.95E-38	-0.929	0.012	0.379	1.48E-33	8
Ywhaq	6.64E-38	-0.552	0.083	0.515	1.65E-33	8
Dynlrb1	7.49E-38	-0.411	0.076	0.505	1.86E-33	8
Mapre2	8.61E-38	-0.642	0.052	0.454	2.14E-33	8
Ctsl	8.87E-38	-1.767	0.116	0.523	2.20E-33	8
Cox6b1	8.93E-38	-0.646	0.196	0.716	2.22E-33	8
Errfi1	1.05E-37	-1.176	0.012	0.377	2.60E-33	8
Tgoln1	1.20E-37	-0.709	0.174	0.667	2.99E-33	8
Selenon	1.31E-37	2.057	0.355	0.14	3.24E-33	8
Ptbp1	1.31E-37	-0.632	0.174	0.673	3.24E-33	8
Pdap1	1.70E-37	-0.447	0.076	0.5	4.23E-33	8
Tbc1d9	1.81E-37	-0.967	0.003	0.358	4.49E-33	8
Fam129b	1.82E-37	-0.924	0.122	0.561	4.53E-33	8
Ndufab1	1.97E-37	-0.593	0.031	0.412	4.89E-33	8
Gltp	2.22E-37	-0.632	0.11	0.562	5.52E-33	8
Eif3k	2.57E-37	-0.396	0.092	0.53	6.39E-33	8
Erh	2.60E-37	-0.628	0.034	0.416	6.47E-33	8
Atp6v1c1	3.39E-37	-0.725	0.058	0.46	8.42E-33	8
Elob	4.56E-37	-0.487	0.156	0.651	1.13E-32	8
Ly6e	4.81E-37	-1.205	0.355	0.758	1.19E-32	8
Snd1	5.10E-37	-0.595	0.043	0.432	1.27E-32	8
Erp29	5.44E-37	-0.577	0.067	0.48	1.35E-32	8
Larp1	5.55E-37	-0.543	0.052	0.45	1.38E-32	8
Ly6a	5.80E-37	-2.095	0.003	0.353	1.44E-32	8
2-Sep	6.40E-37	-0.517	0.067	0.478	1.59E-32	8
Gnl3	7.00E-37	-0.719	0.049	0.441	1.74E-32	8
Mfsd1	7.45E-37	-0.717	0.049	0.441	1.85E-32	8
Dnajb1	8.20E-37	-0.648	0.067	0.474	2.04E-32	8
Cox7a2	8.30E-37	-0.422	0.113	0.568	2.06E-32	8
Psma7	9.86E-37	-0.485	0.095	0.532	2.45E-32	8
Atp5c1	1.07E-36	-0.510	0.061	0.466	2.65E-32	8
Psma3	1.19E-36	-0.415	0.128	0.596	2.94E-32	8

Rap1a	1.26E-36	-0.420	0.147	0.63	3.12E-32	8
Rpl27-ps3	1.33E-36	-0.451	0.055	0.454	3.30E-32	8
Tfg	1.37E-36	-0.616	0.024	0.393	3.41E-32	8
Havcr2	1.81E-36	-1.015	0.003	0.351	4.49E-32	8
Rgl1	1.86E-36	-1.199	0.015	0.373	4.61E-32	8
Traf1	1.87E-36	-1.224	0.031	0.4	4.64E-32	8
Rab1b	1.99E-36	-0.555	0.043	0.428	4.94E-32	8
Cox7a2l	2.07E-36	-0.538	0.092	0.52	5.14E-32	8
Mmp19	2.33E-36	-1.574	0.015	0.37	5.78E-32	8
Snrpd3	2.42E-36	-0.407	0.067	0.475	6.02E-32	8
Ier2	2.48E-36	-0.845	0.089	0.503	6.16E-32	8
Ddost	2.52E-36	-0.532	0.043	0.428	6.27E-32	8
Rybp	2.85E-36	-0.560	0.135	0.591	7.07E-32	8
Fcgr1	3.41E-36	-1.131	0.006	0.354	8.47E-32	8
Lrrc58	3.85E-36	-0.455	0.147	0.624	9.56E-32	8
Rtn3	4.25E-36	1.776	0.639	0.596	1.06E-31	8
Cct5	4.28E-36	-0.416	0.086	0.51	1.06E-31	8
Atp6ap2	4.59E-36	-0.567	0.18	0.669	1.14E-31	8
Ndufv3	5.57E-36	-0.467	0.076	0.49	1.38E-31	8
Atp5k	6.69E-36	-0.485	0.107	0.548	1.66E-31	8
Tceal9	7.32E-36	-0.722	0.049	0.434	1.82E-31	8
Kdelr1	7.39E-36	-0.599	0.015	0.371	1.84E-31	8
Lrp1	8.03E-36	-0.953	0.012	0.364	2.00E-31	8
Eif3l	8.97E-36	-0.566	0.04	0.417	2.23E-31	8
Mrpl33	9.77E-36	-0.423	0.08	0.494	2.43E-31	8
Hadha	1.05E-35	-0.526	0.049	0.435	2.60E-31	8
Rhob	1.13E-35	-1.489	0.153	0.562	2.81E-31	8
Flna	1.13E-35	1.874	0.633	0.577	2.82E-31	8
Atp1a1	1.32E-35	-0.499	0.144	0.613	3.29E-31	8
Ndufa13	1.34E-35	-0.335	0.058	0.453	3.33E-31	8
Ccdc50	1.42E-35	-0.776	0.006	0.35	3.53E-31	8
Eif3b	1.43E-35	-0.401	0.073	0.482	3.55E-31	8
Vat1	1.77E-35	-0.877	0.037	0.408	4.41E-31	8
Ankrd33b	1.88E-35	1.800	0.428	0.203	4.67E-31	8
Adam9	2.14E-35	-0.650	0.028	0.391	5.31E-31	8
Rap2a	2.26E-35	-0.885	0.006	0.349	5.61E-31	8
Lhfpl2	2.50E-35	-1.733	0.043	0.405	6.20E-31	8
Snx3	2.52E-35	-0.649	0.199	0.7	6.25E-31	8
Mktn1	2.56E-35	-0.290	0.107	0.542	6.37E-31	8
Cdc37	2.77E-35	-0.429	0.067	0.467	6.88E-31	8
Tspan3	2.86E-35	-0.956	0.009	0.354	7.10E-31	8
Spg21	3.23E-35	-0.525	0.031	0.396	8.02E-31	8
Slc38a1	3.52E-35	-0.566	0.107	0.534	8.73E-31	8
Psm8	3.81E-35	-0.420	0.101	0.53	9.46E-31	8
Slamf7	3.84E-35	-1.073	0.009	0.353	9.54E-31	8
Ppp1cc	4.04E-35	-0.663	0.083	0.489	1.00E-30	8

Cd47	4.12E-35	-0.649	0.19	0.672	1.02E-30	8
Atp5mpl	4.25E-35	-0.382	0.08	0.491	1.05E-30	8
Cd48	4.33E-35	-0.611	0.031	0.394	1.08E-30	8
Mdh1	4.46E-35	-0.523	0.055	0.44	1.11E-30	8
Cldnd1	4.48E-35	-0.596	0.052	0.435	1.11E-30	8
Rps13	5.49E-35	-0.835	0.547	0.887	1.36E-30	8
1810022K09Rik	5.61E-35	-0.570	0.024	0.382	1.39E-30	8
Denr	5.75E-35	-0.690	0.04	0.41	1.43E-30	8
Vps35	6.28E-35	-0.469	0.061	0.453	1.56E-30	8
Tma7	6.36E-35	-0.432	0.165	0.649	1.58E-30	8
Gcsh	7.07E-35	-0.949	0.006	0.345	1.76E-30	8
Gsto1	7.57E-35	-0.629	0.034	0.398	1.88E-30	8
Serinc3	8.29E-35	1.364	0.74	0.794	2.06E-30	8
Snrpb2	8.40E-35	-0.354	0.076	0.482	2.09E-30	8
Stat1	8.70E-35	-0.831	0.037	0.401	2.16E-30	8
Atp2a2	8.89E-35	-0.572	0.147	0.606	2.21E-30	8
C1qb	9.38E-35	-2.573	0.067	0.412	2.33E-30	8
Uqcrc2	1.07E-34	-0.487	0.034	0.398	2.66E-30	8
Hspa9	1.18E-34	-0.523	0.055	0.438	2.92E-30	8
Ptges3	1.19E-34	-0.400	0.141	0.602	2.95E-30	8
Naa50	1.29E-34	-0.531	0.113	0.545	3.21E-30	8
Casp4	1.37E-34	-0.964	0.028	0.382	3.40E-30	8
Plekho1	1.95E-34	-0.752	0.009	0.347	4.85E-30	8
Mef2a	2.12E-34	-0.599	0.064	0.452	5.27E-30	8
Ifi203	2.62E-34	-1.071	0.009	0.346	6.51E-30	8
Rps6	2.64E-34	-0.846	0.459	0.853	6.55E-30	8
Rpl9-ps6	2.65E-34	-0.626	0.232	0.733	6.59E-30	8
Mrc1	3.13E-34	-1.744	0.012	0.349	7.78E-30	8
Crip1	3.18E-34	-0.897	0.26	0.705	7.89E-30	8
Tpi1	3.33E-34	-0.782	0.156	0.594	8.27E-30	8
Cbx3	3.41E-34	-0.731	0.052	0.425	8.47E-30	8
Capns1	3.45E-34	-0.372	0.104	0.531	8.56E-30	8
Pip5k1c	3.47E-34	-0.393	0.128	0.57	8.62E-30	8
Ssr1	3.92E-34	-0.316	0.095	0.513	9.74E-30	8
Phlda1	4.13E-34	-1.265	0.101	0.498	1.03E-29	8
Ctdnep1	5.05E-34	-0.402	0.037	0.399	1.25E-29	8
Plin2	5.17E-34	-0.867	0.202	0.647	1.28E-29	8
Canx	6.84E-34	-0.665	0.22	0.703	1.70E-29	8
Macf1	7.50E-34	-0.527	0.07	0.46	1.86E-29	8
Ifi204	8.23E-34	-1.098	0.006	0.336	2.04E-29	8
Sdf2l1	9.31E-34	-0.720	0.015	0.355	2.31E-29	8
Nme1	9.47E-34	-0.489	0.058	0.438	2.35E-29	8
Coro1b	9.97E-34	-0.403	0.034	0.391	2.48E-29	8
Ccr2	1.00E-33	-1.343	0.018	0.357	2.50E-29	8
Tspo	1.03E-33	-0.561	0.144	0.592	2.55E-29	8
Dhx9	1.05E-33	-0.347	0.083	0.483	2.61E-29	8

Huwe1	1.05E-33	-0.529	0.058	0.436	2.62E-29	8
Hprt	1.32E-33	-0.437	0.055	0.431	3.29E-29	8
Ndufa10	1.46E-33	-0.597	0.018	0.359	3.63E-29	8
Rab10	1.65E-33	-0.369	0.159	0.628	4.10E-29	8
Rps5	1.79E-33	-0.801	0.379	0.825	4.45E-29	8
Ndufb3	1.93E-33	-0.286	0.055	0.43	4.79E-29	8
H2-DMb1	2.00E-33	-1.041	0	0.322	4.97E-29	8
Psme2	2.05E-33	-0.568	0.052	0.422	5.10E-29	8
Clec4a3	2.10E-33	-0.984	0	0.322	5.22E-29	8
Psmb3	2.25E-33	-0.488	0.021	0.364	5.58E-29	8
Nop56	2.31E-33	-0.532	0.147	0.592	5.73E-29	8
Srp19	2.35E-33	-0.462	0.064	0.446	5.84E-29	8
Atp5d	2.55E-33	-0.290	0.113	0.543	6.33E-29	8
Lipa	2.76E-33	-1.094	0.021	0.36	6.87E-29	8
Nars	2.77E-33	-0.433	0.104	0.521	6.88E-29	8
Rassf3	2.83E-33	-0.513	0.073	0.461	7.04E-29	8
Spty2d1	3.11E-33	-0.528	0.187	0.661	7.74E-29	8
Timm13	3.20E-33	-0.464	0.037	0.392	7.94E-29	8
Tgif1	3.58E-33	-0.718	0.287	0.788	8.89E-29	8
Dazap2	3.93E-33	1.293	0.697	0.772	9.76E-29	8
Sowahc	3.99E-33	-0.951	0.006	0.332	9.91E-29	8
Sirt2	4.13E-33	-0.389	0.052	0.422	1.03E-28	8
Raph1	4.21E-33	-0.852	0.018	0.355	1.05E-28	8
Msr1	5.05E-33	-1.232	0.018	0.352	1.25E-28	8
Hsd17b12	5.07E-33	-0.394	0.061	0.438	1.26E-28	8
Tomm7	5.63E-33	-0.436	0.168	0.644	1.40E-28	8
Pdia6	5.86E-33	-0.500	0.098	0.508	1.46E-28	8
2900097C17Rik	5.90E-33	-0.450	0.055	0.426	1.47E-28	8
Rpn1	6.54E-33	-0.632	0.006	0.33	1.63E-28	8
Cct4	6.57E-33	-0.362	0.098	0.51	1.63E-28	8
M6pr	7.32E-33	-0.559	0.18	0.652	1.82E-28	8
Map3k1	7.39E-33	-0.622	0.034	0.383	1.84E-28	8
S100a10	8.47E-33	-0.832	0.272	0.723	2.10E-28	8
Rel	1.02E-32	-0.696	0.168	0.609	2.54E-28	8
H2afj	1.04E-32	-0.571	0.046	0.405	2.58E-28	8
Pi4k2a	1.11E-32	-0.553	0.024	0.364	2.76E-28	8
Supt4a	1.12E-32	-0.409	0.052	0.418	2.79E-28	8
Pgls	1.19E-32	-0.527	0.021	0.358	2.95E-28	8
Manf	1.24E-32	-0.374	0.128	0.56	3.07E-28	8
Tpt1	1.35E-32	-0.585	0.917	0.978	3.35E-28	8
Fam96a	1.54E-32	-0.523	0.031	0.376	3.83E-28	8
Oxct1	1.54E-32	-0.649	0.028	0.369	3.83E-28	8
Sgpl1	1.94E-32	-0.504	0.168	0.625	4.81E-28	8
Rftn1	2.02E-32	-0.742	0.003	0.32	5.02E-28	8
Tmed10	2.08E-32	-0.514	0.159	0.612	5.17E-28	8
Rexo2	2.17E-32	-0.561	0.037	0.386	5.40E-28	8

Psm1	2.41E-32	-0.597	0.015	0.344	5.99E-28	8
Mgat2	2.91E-32	-0.423	0.043	0.397	7.24E-28	8
Arl1	3.00E-32	-0.443	0.043	0.397	7.44E-28	8
Higd2a	3.19E-32	-0.492	0.031	0.373	7.93E-28	8
Ola1	3.69E-32	-0.483	0.009	0.331	9.18E-28	8
Tpm3	3.71E-32	1.018	0.792	0.834	9.21E-28	8
Zfand2a	3.82E-32	-0.698	0.043	0.394	9.48E-28	8
Mrpl42	4.01E-32	-0.673	0.003	0.318	9.97E-28	8
Gm2a	4.09E-32	-1.016	0.248	0.672	1.02E-27	8
Mtdh	4.21E-32	-0.454	0.107	0.516	1.05E-27	8
Hspa5	4.24E-32	-0.794	0.758	0.968	1.05E-27	8
Tpp1	4.56E-32	-0.679	0.058	0.422	1.13E-27	8
Ggta1	4.66E-32	-0.778	0.006	0.324	1.16E-27	8
Xrn2	4.95E-32	-0.360	0.086	0.478	1.23E-27	8
Gnb2	4.99E-32	-0.301	0.15	0.606	1.24E-27	8
Enah	5.76E-32	1.724	0.251	0.08	1.43E-27	8
Asah1	6.09E-32	-0.614	0.031	0.371	1.51E-27	8
Ccl2	6.55E-32	-2.023	0.021	0.344	1.63E-27	8
Usmg5	6.74E-32	-0.345	0.162	0.624	1.67E-27	8
Rps3a1	7.93E-32	-0.861	0.514	0.859	1.97E-27	8
Sap18	8.15E-32	-0.376	0.113	0.524	2.02E-27	8
C1qc	8.36E-32	-2.432	0.052	0.379	2.08E-27	8
Glrx	8.39E-32	-0.649	0.128	0.541	2.08E-27	8
Cer12	8.89E-32	-1.365	0.11	0.492	2.21E-27	8
Uvrag	9.08E-32	-0.447	0.067	0.439	2.26E-27	8
Pebp1	9.75E-32	-0.467	0.043	0.393	2.42E-27	8
Psm7	1.10E-31	-0.299	0.107	0.518	2.72E-27	8
Ptpn18	1.22E-31	-0.532	0.043	0.392	3.03E-27	8
Stat2	1.29E-31	-0.907	0.031	0.366	3.20E-27	8
Marcks11	1.33E-31	-1.328	0.168	0.577	3.29E-27	8
Asmt	1.35E-31	-0.422	0.031	0.368	3.36E-27	8
Psm1	1.39E-31	-0.306	0.165	0.631	3.45E-27	8
Cope	1.57E-31	-0.450	0.031	0.368	3.90E-27	8
Mdfic	1.58E-31	-0.754	0	0.307	3.92E-27	8
Bin1	1.66E-31	-0.710	0	0.307	4.12E-27	8
Esyt1	1.81E-31	-0.432	0.086	0.471	4.49E-27	8
0610012G03Rik	2.00E-31	-0.621	0.012	0.331	4.98E-27	8
Aprt	2.42E-31	-0.561	0.034	0.372	6.01E-27	8
Fkbp2	2.46E-31	-0.515	0.021	0.348	6.11E-27	8
Arid5b	2.55E-31	-1.333	0	0.306	6.33E-27	8
Ptms	2.79E-31	-0.714	0.235	0.697	6.94E-27	8
Ndufs5	3.38E-31	-0.428	0.034	0.371	8.38E-27	8
Psm12	3.46E-31	-0.379	0.07	0.442	8.59E-27	8
Larp4	3.64E-31	-0.377	0.049	0.4	9.05E-27	8
Clec4a1	3.66E-31	-0.952	0.018	0.339	9.08E-27	8
Gtf2f1	4.05E-31	-0.340	0.064	0.429	1.01E-26	8



Kcnn4	4.07E-31	-0.792	0.049	0.395	1.01E-26	8
Atp5f1	4.89E-31	-0.266	0.116	0.532	1.21E-26	8
Dpysl2	5.11E-31	-0.677	0.003	0.31	1.27E-26	8
Runx1	5.21E-31	-0.595	0.107	0.5	1.30E-26	8
Ms4a4c	6.85E-31	-1.314	0.003	0.308	1.70E-26	8
Sod2	6.93E-31	-0.668	0.138	0.55	1.72E-26	8
Efr3a	7.37E-31	-0.596	0.015	0.332	1.83E-26	8
Tnfaip2	7.71E-31	-0.927	0.028	0.354	1.92E-26	8
Mtch2	8.50E-31	-0.361	0.034	0.368	2.11E-26	8
Paics	8.53E-31	-0.557	0.021	0.344	2.12E-26	8
Tnfrsf1a	9.83E-31	-0.594	0.021	0.343	2.44E-26	8
Myo5a	1.12E-30	-0.623	0.031	0.36	2.79E-26	8
Aldh9a1	1.34E-30	-0.502	0.015	0.33	3.32E-26	8
Eif1a	1.40E-30	-0.405	0.119	0.53	3.49E-26	8
Ctsa	1.41E-30	-0.634	0.162	0.584	3.49E-26	8
Emc7	1.52E-30	-0.378	0.058	0.413	3.77E-26	8
Ube2r2	1.63E-30	-0.258	0.08	0.455	4.04E-26	8
Cst3	1.75E-30	-1.870	0.55	0.806	4.34E-26	8
Dnajb9	1.82E-30	-0.569	0.19	0.637	4.51E-26	8
Hipk1	1.82E-30	-0.386	0.089	0.468	4.53E-26	8
Gspt1	1.85E-30	-0.470	0.04	0.377	4.58E-26	8
Pea15a	2.01E-30	-0.592	0.012	0.323	4.99E-26	8
Rps15	2.12E-30	-0.750	0.385	0.839	5.26E-26	8
Copb1	2.12E-30	-0.453	0.037	0.371	5.28E-26	8
Hspa4	2.13E-30	-0.360	0.135	0.557	5.29E-26	8
Hnrnpul1	2.28E-30	-0.307	0.131	0.553	5.66E-26	8
Xbp1	2.37E-30	-0.370	0.119	0.524	5.89E-26	8
Flrt3	2.43E-30	-1.655	0.018	0.328	6.04E-26	8
Eif4e2	2.54E-30	-0.265	0.073	0.441	6.31E-26	8
Glrx3	2.82E-30	-0.406	0.037	0.37	7.00E-26	8
Rest	2.89E-30	-0.674	0.034	0.362	7.18E-26	8
Pid1	3.00E-30	-0.620	0.021	0.339	7.44E-26	8
Arl6ip5	3.11E-30	-0.267	0.086	0.462	7.73E-26	8
Tuba1a	3.25E-30	-0.624	0.046	0.384	8.07E-26	8
Spcs1	4.12E-30	-0.261	0.08	0.452	1.02E-25	8
Pnp	4.41E-30	-0.446	0.144	0.566	1.10E-25	8
Ccnd2	4.45E-30	-1.178	0.037	0.362	1.11E-25	8
Glmp	4.53E-30	-0.341	0.052	0.398	1.13E-25	8
Psmb10	4.75E-30	-0.478	0.024	0.344	1.18E-25	8
Naaa	5.77E-30	-1.179	0.031	0.349	1.43E-25	8
Actg1	6.21E-30	0.610	0.979	0.968	1.54E-25	8
Ndufc1	6.23E-30	-0.409	0.034	0.361	1.55E-25	8
Ddx24	6.44E-30	-0.313	0.076	0.442	1.60E-25	8
I11b	6.79E-30	-2.046	0.021	0.33	1.69E-25	8
Aes	7.17E-30	-0.415	0.153	0.585	1.78E-25	8
Tram1	8.24E-30	-0.355	0.101	0.489	2.05E-25	8

Aebp2	8.57E-30	-0.627	0.08	0.441	2.13E-25	8
Tent5a	9.25E-30	-1.045	0.07	0.417	2.30E-25	8
Phb2	9.42E-30	-0.358	0.031	0.354	2.34E-25	8
Ms4a6b	9.43E-30	-0.813	0.003	0.299	2.34E-25	8
Laptm5	9.57E-30	0.908	0.847	0.862	2.38E-25	8
Slc29a3	9.99E-30	-0.669	0.003	0.299	2.48E-25	8
Bag3	1.12E-29	-0.539	0.083	0.449	2.78E-25	8
Ppt1	1.16E-29	-0.735	0.028	0.345	2.88E-25	8
Mif	1.18E-29	-0.530	0.144	0.554	2.92E-25	8
Snhg6	1.22E-29	-0.551	0.018	0.329	3.03E-25	8
Cct7	1.26E-29	-0.429	0.04	0.37	3.13E-25	8
Ndufv2	1.34E-29	-0.396	0.043	0.376	3.33E-25	8
Bst2	1.39E-29	-0.607	0.043	0.373	3.45E-25	8
Selenos	1.73E-29	-0.357	0.064	0.416	4.30E-25	8
Ppp1r14b	1.94E-29	-0.323	0.034	0.357	4.82E-25	8
Acadl	1.99E-29	-0.424	0.037	0.363	4.95E-25	8
Nfkbib	2.46E-29	-0.328	0.135	0.543	6.10E-25	8
Got2	2.51E-29	-0.410	0.046	0.38	6.23E-25	8
Tmpo	2.56E-29	-0.745	0.012	0.314	6.36E-25	8
Polr2f	3.17E-29	-0.558	0.009	0.307	7.87E-25	8
Ndufb10	3.21E-29	-0.383	0.04	0.367	7.96E-25	8
Slc31a1	3.25E-29	-0.718	0.012	0.313	8.08E-25	8
Fyn	3.51E-29	-0.366	0.101	0.479	8.72E-25	8
Rpn2	4.18E-29	-0.328	0.046	0.378	1.04E-24	8
Set	4.71E-29	-0.465	0.196	0.641	1.17E-24	8
Nceh1	5.04E-29	-0.478	0.049	0.381	1.25E-24	8
Vmp1	5.83E-29	-0.269	0.141	0.552	1.45E-24	8
Rala	6.19E-29	-0.261	0.076	0.436	1.54E-24	8
Rwdd1	7.41E-29	-0.410	0.04	0.364	1.84E-24	8
Copb2	7.65E-29	-0.298	0.052	0.388	1.90E-24	8
Tcf4	7.88E-29	-0.739	0.012	0.31	1.96E-24	8
Pfkip	8.06E-29	-0.294	0.095	0.467	2.00E-24	8
mt-Nd1	8.99E-29	-0.761	0.743	0.966	2.23E-24	8
Gm8186	9.29E-29	-0.395	0.031	0.346	2.31E-24	8
Pdia4	9.35E-29	-0.576	0.015	0.316	2.32E-24	8
Txn1	9.46E-29	-0.747	0.431	0.853	2.35E-24	8
C1qa	9.89E-29	-2.110	0.006	0.295	2.46E-24	8
Snrpd2	1.00E-28	-0.330	0.037	0.357	2.49E-24	8
Cmtm3	1.01E-28	-0.415	0.064	0.41	2.50E-24	8
Bsg	1.04E-28	-0.400	0.162	0.588	2.59E-24	8
Plekhb2	1.09E-28	-0.343	0.034	0.351	2.70E-24	8
Abl2	1.14E-28	-0.419	0.055	0.39	2.84E-24	8
Scp2	1.21E-28	-0.295	0.08	0.44	2.99E-24	8
Arl5a	1.24E-28	-0.578	0.064	0.405	3.09E-24	8
Cux1	1.26E-28	-0.408	0.07	0.419	3.12E-24	8
Rdx	1.27E-28	-0.385	0.067	0.414	3.15E-24	8

Casp8	1.34E-28	-0.427	0.046	0.373	3.34E-24	8
Trappc1	1.36E-28	-0.542	0.006	0.296	3.37E-24	8
Epsti1	1.44E-28	-0.699	0.018	0.319	3.58E-24	8
Ifngr1	1.45E-28	-0.738	0.095	0.454	3.61E-24	8
Rab1a	1.47E-28	-0.526	0.291	0.774	3.64E-24	8
Nckap11	1.49E-28	-0.262	0.083	0.444	3.70E-24	8
Cnih4	1.56E-28	-0.383	0.034	0.35	3.87E-24	8
Tubb2a	1.67E-28	-0.646	0.031	0.342	4.14E-24	8
Nt5c	1.71E-28	-0.481	0.015	0.314	4.24E-24	8
Fundc2	1.71E-28	-0.507	0.024	0.331	4.25E-24	8
Metrn1	1.73E-28	-0.470	0.095	0.462	4.29E-24	8
1110004F10Rik	1.82E-28	-0.289	0.046	0.373	4.52E-24	8
Lrrc8c	1.86E-28	-0.595	0.015	0.313	4.61E-24	8
Sdhd	1.94E-28	-0.289	0.049	0.379	4.82E-24	8
Ecm1	1.98E-28	-0.856	0.012	0.306	4.91E-24	8
Hmgal	2.12E-28	-0.458	0.037	0.354	5.27E-24	8
Rgs1	2.13E-28	1.719	0.679	0.587	5.28E-24	8
Ndufa4	2.30E-28	-0.295	0.128	0.531	5.71E-24	8
Nop58	2.34E-28	-0.509	0.055	0.388	5.81E-24	8
Rpl22	2.35E-28	-0.479	0.235	0.708	5.83E-24	8
Erp44	2.49E-28	-0.287	0.049	0.378	6.20E-24	8
Rtraf	2.56E-28	-0.377	0.021	0.324	6.36E-24	8
Tubb4b	2.58E-28	-0.300	0.125	0.52	6.42E-24	8
Dnajc15	3.40E-28	-0.482	0.015	0.311	8.46E-24	8
Slc3a2	3.41E-28	-0.600	0.358	0.837	8.47E-24	8
2310022A10Rik	3.54E-28	-0.615	0.021	0.323	8.80E-24	8
Psmc7	3.73E-28	-0.256	0.073	0.423	9.25E-24	8
Rplp1	4.00E-28	-0.711	0.728	0.909	9.94E-24	8
Sirpb1c	4.42E-28	-0.973	0	0.28	1.10E-23	8
Gtpbp4	4.50E-28	-0.459	0.037	0.351	1.12E-23	8
Fam129a	5.18E-28	-0.770	0.003	0.285	1.29E-23	8
Pltp	5.40E-28	-1.389	0.009	0.296	1.34E-23	8
Crem	5.45E-28	-0.766	0.226	0.643	1.35E-23	8
Serpine1	5.60E-28	2.069	0.254	0.089	1.39E-23	8
Vps29	5.72E-28	-0.271	0.04	0.357	1.42E-23	8
Slc11a2	6.08E-28	-0.715	0	0.279	1.51E-23	8
Trps1	6.92E-28	-0.673	0.015	0.308	1.72E-23	8
Rpl13a	8.91E-28	-0.444	0.012	0.302	2.21E-23	8
Trappc21	9.33E-28	-0.465	0.015	0.308	2.32E-23	8
Vps28	9.42E-28	-0.292	0.049	0.373	2.34E-23	8
Txn2	9.78E-28	-0.343	0.055	0.385	2.43E-23	8
Gm11361	1.03E-27	-0.403	0.021	0.319	2.55E-23	8
Cpeb4	1.03E-27	-0.518	0.076	0.421	2.56E-23	8
Igfbp1	1.04E-27	-0.275	0.034	0.343	2.59E-23	8
Pycard	1.12E-27	-0.548	0.006	0.289	2.77E-23	8
Tmem106a	1.19E-27	-0.502	0.024	0.325	2.95E-23	8

Trmt112	1.19E-27	-0.365	0.052	0.377	2.96E-23	8
Eny2	1.22E-27	-0.368	0.024	0.325	3.03E-23	8
Atf6	1.23E-27	-0.361	0.034	0.342	3.04E-23	8
Sars	1.23E-27	-0.423	0.037	0.348	3.07E-23	8
Pomp	1.25E-27	-0.355	0.177	0.612	3.10E-23	8
Lpxn	1.27E-27	-0.311	0.089	0.446	3.15E-23	8
Olfm1	1.30E-27	-0.845	0.012	0.3	3.22E-23	8
Psmb5	1.32E-27	-0.299	0.028	0.33	3.29E-23	8
Ak2	1.38E-27	-0.261	0.086	0.442	3.42E-23	8
Tlr2	1.49E-27	-1.017	0.006	0.287	3.71E-23	8
Ptprj	1.51E-27	-0.280	0.089	0.446	3.75E-23	8
Zfp706	1.60E-27	-0.369	0.031	0.336	3.98E-23	8
Ugcg	1.61E-27	-0.395	0.128	0.514	4.01E-23	8
D17Wsu92e	1.62E-27	-0.253	0.089	0.446	4.02E-23	8
Hyou1	1.73E-27	-0.485	0.024	0.323	4.30E-23	8
Sh3pxd2b	1.79E-27	-0.607	0.003	0.281	4.46E-23	8
Eif3h	1.84E-27	-0.278	0.19	0.639	4.57E-23	8
Adam15	1.89E-27	-0.451	0.034	0.34	4.69E-23	8
Tbl1x	1.94E-27	-0.456	0.024	0.323	4.83E-23	8
Egr1	2.44E-27	-1.621	0.128	0.473	6.07E-23	8
Ppp1r9b	2.55E-27	-0.454	0.043	0.356	6.34E-23	8
Stom	2.96E-27	-0.504	0.024	0.321	7.36E-23	8
Sdhc	3.12E-27	-0.354	0.024	0.321	7.74E-23	8
Rilpl2	3.28E-27	-0.377	0.208	0.637	8.14E-23	8
Txnip	3.35E-27	1.906	0.495	0.34	8.33E-23	8
Arpc3	3.38E-27	1.189	0.688	0.77	8.41E-23	8
Hnrnpa2b1	4.14E-27	0.870	0.804	0.856	1.03E-22	8
Magt1	4.60E-27	-0.456	0.076	0.418	1.14E-22	8
Hspd1	4.63E-27	-0.539	0.119	0.489	1.15E-22	8
Bcl2l1	4.64E-27	-0.589	0.04	0.348	1.15E-22	8
Sltm	4.84E-27	2.062	0.535	0.43	1.20E-22	8
Tns3	5.66E-27	-0.668	0.003	0.277	1.41E-22	8
Cops2	5.99E-27	-0.285	0.037	0.343	1.49E-22	8
Trim30a	6.06E-27	-0.626	0.04	0.346	1.50E-22	8
Cyb5r3	7.12E-27	-0.455	0.024	0.318	1.77E-22	8
Sptssa	7.22E-27	-0.454	0.024	0.318	1.79E-22	8
Vcp	7.27E-27	-0.386	0.214	0.674	1.81E-22	8
Hdc	8.55E-27	1.139	0.294	0.106	2.12E-22	8
Scarb2	8.75E-27	-0.375	0.052	0.37	2.17E-22	8
Ube2l3	8.87E-27	-0.375	0.223	0.694	2.20E-22	8
Eif2s1	9.30E-27	-0.293	0.052	0.371	2.31E-22	8
Aco2	9.56E-27	-0.431	0.028	0.323	2.37E-22	8
Tmem131	9.68E-27	-0.660	0.015	0.298	2.40E-22	8
Bcas2	9.99E-27	-0.296	0.037	0.341	2.48E-22	8
Snx6	1.05E-26	-0.379	0.052	0.37	2.61E-22	8
Ncor2	1.08E-26	-0.498	0.012	0.293	2.68E-22	8

Asna1	1.12E-26	-0.291	0.04	0.346	2.78E-22	8
Mbn11	1.14E-26	-0.479	0.19	0.607	2.83E-22	8
Gdi2	1.15E-26	-0.438	0.248	0.713	2.86E-22	8
Btg2	1.27E-26	-0.692	0.144	0.52	3.16E-22	8
Srebf2	1.30E-26	-0.325	0.101	0.46	3.22E-22	8
Uck2	1.35E-26	-0.417	0.095	0.442	3.36E-22	8
Nisch	1.36E-26	-0.417	0.083	0.423	3.38E-22	8
Rnf213	1.41E-26	-0.754	0.031	0.326	3.50E-22	8
Btbd1	1.60E-26	-0.368	0.034	0.333	3.98E-22	8
Fcgr4	1.79E-26	-0.973	0.012	0.29	4.45E-22	8
Il6st	1.94E-26	-0.667	0.006	0.278	4.81E-22	8
Mrps14	2.15E-26	-0.451	0.006	0.278	5.34E-22	8
Gm10269	2.22E-26	-0.366	0.021	0.308	5.51E-22	8
Tiparp	2.22E-26	-0.635	0.202	0.609	5.51E-22	8
Slc30a1	2.26E-26	-0.482	0.067	0.392	5.62E-22	8
Plp2	2.29E-26	-0.417	0.073	0.406	5.68E-22	8
Cops6	2.32E-26	-0.351	0.031	0.326	5.77E-22	8
Tspan14	2.44E-26	-0.273	0.095	0.448	6.07E-22	8
Slfm5	2.48E-26	-0.723	0.034	0.329	6.16E-22	8
Nudc	2.76E-26	-0.286	0.037	0.337	6.85E-22	8
Plau	2.78E-26	-1.215	0.028	0.315	6.90E-22	8
Hccs	2.91E-26	-0.464	0.024	0.313	7.23E-22	8
Ndufa6	3.00E-26	-0.265	0.07	0.402	7.45E-22	8
Mrps33	3.25E-26	-0.382	0.024	0.313	8.07E-22	8
Itgb1	3.38E-26	-0.382	0.177	0.595	8.38E-22	8
Cln8	3.44E-26	-0.480	0.046	0.353	8.55E-22	8
Tmem256	3.51E-26	-0.344	0.028	0.318	8.72E-22	8
Pgk1	3.71E-26	-0.664	0.312	0.745	9.20E-22	8
Egln1	3.86E-26	-0.420	0.037	0.335	9.58E-22	8
Xpo1	3.92E-26	-0.459	0.015	0.294	9.74E-22	8
Dcun1d5	4.19E-26	-0.367	0.024	0.312	1.04E-21	8
Rhoq	4.26E-26	-0.601	0.024	0.311	1.06E-21	8
Bnip3	4.33E-26	-1.055	0.028	0.314	1.07E-21	8
Rbbp7	4.55E-26	-0.374	0.046	0.352	1.13E-21	8
Cyp51	5.26E-26	-0.739	0.028	0.315	1.31E-21	8
Spes3	5.41E-26	-0.400	0.021	0.305	1.34E-21	8
Lrrc25	5.61E-26	-0.519	0.024	0.31	1.39E-21	8
Znhit1	5.68E-26	-0.320	0.034	0.329	1.41E-21	8
Ctsd	6.75E-26	1.122	0.667	0.581	1.68E-21	8
Slirp	7.28E-26	-0.368	0.018	0.298	1.81E-21	8
Sptlc2	7.51E-26	-0.322	0.073	0.402	1.86E-21	8
Hnrnp11	7.68E-26	-0.393	0.061	0.378	1.91E-21	8
Ddx21	9.45E-26	-0.256	0.141	0.528	2.35E-21	8
Atp2a3	1.04E-25	1.617	0.287	0.12	2.58E-21	8
Irgm1	1.06E-25	-0.968	0.018	0.295	2.64E-21	8
F13a1	1.21E-25	-1.497	0.012	0.281	3.00E-21	8

Stt3b	1.26E-25	-0.321	0.046	0.349	3.12E-21	8
F10	1.30E-25	-1.145	0.003	0.265	3.24E-21	8
Ass1	1.37E-25	-0.829	0.003	0.265	3.40E-21	8
Ext1	1.40E-25	-0.641	0.009	0.277	3.47E-21	8
Ghitm	1.40E-25	-0.307	0.183	0.609	3.48E-21	8
Gabarapl1	1.41E-25	-0.417	0.043	0.342	3.49E-21	8
Clec4n	1.43E-25	-0.995	0.018	0.293	3.56E-21	8
Aimp1	1.54E-25	-0.362	0.021	0.301	3.82E-21	8
Anpep	1.54E-25	-0.845	0.009	0.276	3.82E-21	8
St8sia4	1.73E-25	-0.564	0.031	0.318	4.30E-21	8
Acp1	1.84E-25	-0.405	0.009	0.276	4.56E-21	8
Lactb	1.84E-25	-0.476	0.031	0.317	4.57E-21	8
Nop10	1.88E-25	-0.307	0.04	0.336	4.68E-21	8
Cd300c2	1.99E-25	-0.499	0.018	0.294	4.94E-21	8
Eno1b	2.11E-25	-0.336	0.076	0.404	5.24E-21	8
Hsph1	2.12E-25	-0.363	0.116	0.465	5.28E-21	8
Nol7	2.19E-25	-0.258	0.058	0.37	5.44E-21	8
Hcfc1r1	2.27E-25	-0.289	0.037	0.329	5.63E-21	8
Nolc1	2.39E-25	-0.470	0.034	0.322	5.95E-21	8
Eif4e	2.71E-25	-0.609	0.269	0.698	6.74E-21	8
Clec2d	2.82E-25	-0.726	0.015	0.286	7.00E-21	8
Anxa7	3.03E-25	-0.279	0.037	0.328	7.54E-21	8
Tspan31	3.15E-25	-0.503	0.003	0.262	7.81E-21	8
Tgfbi	3.30E-25	-1.309	0.199	0.531	8.20E-21	8
Cetn3	3.47E-25	-0.367	0.024	0.304	8.62E-21	8
Wdr43	3.50E-25	-0.415	0.028	0.31	8.70E-21	8
Cblb	3.77E-25	-0.703	0.024	0.302	9.37E-21	8
Stard3nl	4.64E-25	-0.443	0.006	0.267	1.15E-20	8
Spp1	4.93E-25	-2.830	0.015	0.279	1.22E-20	8
Bcl3	4.98E-25	-0.384	0.067	0.382	1.24E-20	8
Hist1h2bc	5.17E-25	-0.713	0.031	0.312	1.28E-20	8
Icam1	5.47E-25	-0.585	0.08	0.4	1.36E-20	8
Colgalt1	5.65E-25	-0.333	0.028	0.308	1.40E-20	8
Map3k8	6.44E-25	-0.805	0.006	0.265	1.60E-20	8
Arl6ip1	6.55E-25	-0.524	0.235	0.659	1.63E-20	8
Dpm2	6.83E-25	-0.370	0.037	0.325	1.70E-20	8
Tnfsf12	7.02E-25	-0.609	0.006	0.265	1.74E-20	8
Mxi1	7.21E-25	-0.304	0.119	0.474	1.79E-20	8
Cd2ap	7.31E-25	-0.604	0	0.253	1.82E-20	8
Laptm4a	7.47E-25	-0.332	0.232	0.686	1.85E-20	8
Cdk4	7.91E-25	-0.451	0.015	0.283	1.96E-20	8
Nsf	8.90E-25	-0.341	0.028	0.306	2.21E-20	8
Abhd12	8.90E-25	-0.443	0.028	0.306	2.21E-20	8
Parp14	1.00E-24	-0.699	0.012	0.275	2.49E-20	8
Arpc5	1.01E-24	0.995	0.706	0.771	2.51E-20	8
Rbmxl1	1.03E-24	-0.400	0.021	0.294	2.55E-20	8

Bin2	1.19E-24	-0.391	0.031	0.311	2.95E-20	8
2010111I01Rik	1.28E-24	-0.649	0	0.251	3.19E-20	8
Pttg1ip	1.33E-24	-0.305	0.095	0.432	3.31E-20	8
Top1	1.35E-24	-0.259	0.26	0.72	3.35E-20	8
Gm9493	1.38E-24	-0.299	0.031	0.311	3.42E-20	8
Igsf8	1.46E-24	-0.545	0.006	0.262	3.64E-20	8
Ndufa9	1.52E-24	-0.340	0.015	0.28	3.77E-20	8
Vamp7	1.68E-24	-0.265	0.043	0.334	4.18E-20	8
Foxn3	1.74E-24	-0.318	0.061	0.367	4.31E-20	8
Tcof1	1.85E-24	-0.502	0.012	0.273	4.58E-20	8
Cdkn1b	1.88E-24	-0.401	0.122	0.475	4.66E-20	8
Idh3g	1.88E-24	-0.340	0.018	0.286	4.67E-20	8
Selenof	1.93E-24	-0.281	0.168	0.571	4.80E-20	8
Cttnbp2nl	1.96E-24	-0.532	0.003	0.255	4.86E-20	8
Vdac3	2.13E-24	-0.347	0.024	0.297	5.29E-20	8
Foxp1	2.27E-24	-0.353	0.104	0.442	5.65E-20	8
Myo1g	2.33E-24	-0.411	0.083	0.402	5.79E-20	8
Vps18	2.50E-24	-0.515	0.037	0.318	6.21E-20	8
Ms4a7	2.81E-24	-1.606	0.009	0.263	6.99E-20	8
Hk2	2.81E-24	-0.417	0.08	0.397	6.99E-20	8
Ramp3	2.87E-24	-1.265	0.006	0.258	7.12E-20	8
Ddit4	2.95E-24	-1.079	0.034	0.307	7.34E-20	8
Usp14	3.00E-24	-0.255	0.031	0.307	7.44E-20	8
Aida	3.20E-24	-0.416	0.015	0.278	7.96E-20	8
Dgat1	3.27E-24	1.776	0.486	0.33	8.13E-20	8
Clic4	3.41E-24	-0.440	0.229	0.642	8.46E-20	8
Psmb9	3.50E-24	-0.457	0.012	0.271	8.71E-20	8
Ganab	3.87E-24	-0.272	0.043	0.33	9.62E-20	8
Bcl2l11	4.69E-24	-0.374	0.223	0.638	1.17E-19	8
Tmco1	4.94E-24	-0.308	0.024	0.294	1.23E-19	8
Slc16a1	4.96E-24	-0.548	0.012	0.27	1.23E-19	8
Plxnb2	5.07E-24	-0.531	0.003	0.251	1.26E-19	8
Snx30	5.08E-24	-0.462	0.012	0.27	1.26E-19	8
Rps12	5.16E-24	-0.625	0.771	0.913	1.28E-19	8
Tmem243	5.66E-24	-0.549	0.009	0.263	1.41E-19	8
Slc8b1	5.87E-24	-0.535	0.021	0.287	1.46E-19	8
Gosr2	6.06E-24	-0.327	0.031	0.305	1.50E-19	8
Etfp	6.25E-24	-0.283	0.031	0.305	1.55E-19	8
Nfil3	6.38E-24	-0.271	0.202	0.611	1.58E-19	8
Fbl	6.65E-24	-0.386	0.024	0.293	1.65E-19	8
Pbrm1	7.69E-24	-0.349	0.064	0.368	1.91E-19	8
Arrb2	8.70E-24	-0.251	0.083	0.402	2.16E-19	8
Mrps18c	8.71E-24	-0.344	0.015	0.274	2.16E-19	8
Senp3	1.06E-23	-0.446	0.015	0.273	2.62E-19	8
Tcn2	1.07E-23	-0.498	0.031	0.302	2.66E-19	8
Mtss1	1.10E-23	-0.685	0.006	0.254	2.73E-19	8

Cpne3	1.13E-23	-0.470	0.018	0.278	2.81E-19	8
Abcg1	1.24E-23	-0.378	0.046	0.331	3.07E-19	8
Slc25a11	1.36E-23	-0.314	0.024	0.29	3.37E-19	8
Mcf2	1.39E-23	-0.536	0.021	0.283	3.46E-19	8
Fkbp3	1.41E-23	-0.408	0.018	0.278	3.51E-19	8
Ndfip1	1.43E-23	-0.448	0.04	0.318	3.56E-19	8
Nemf	1.47E-23	-0.301	0.058	0.353	3.65E-19	8
Mtmr6	1.51E-23	-0.251	0.046	0.331	3.75E-19	8
Rabgef1	1.61E-23	-0.354	0.107	0.44	3.99E-19	8
Rps6ka3	1.76E-23	-0.340	0.034	0.307	4.36E-19	8
Myl12a	1.77E-23	-0.281	0.211	0.642	4.39E-19	8
Krcc1	1.81E-23	-0.332	0.028	0.295	4.50E-19	8
Rara	1.88E-23	-0.295	0.061	0.357	4.68E-19	8
Cpne2	2.04E-23	-0.622	0.018	0.275	5.07E-19	8
Tmem65	2.19E-23	-0.361	0.031	0.3	5.44E-19	8
Kpna3	2.22E-23	-0.344	0.034	0.306	5.52E-19	8
Creld2	2.22E-23	-0.326	0.028	0.294	5.52E-19	8
Myo1e	2.56E-23	-0.598	0.006	0.251	6.37E-19	8
Rcc1	2.60E-23	-0.462	0.012	0.263	6.45E-19	8
Snx8	2.63E-23	-0.332	0.024	0.287	6.52E-19	8
Psm3	2.66E-23	-0.330	0.021	0.281	6.61E-19	8
Ap2a2	2.67E-23	-0.360	0.024	0.287	6.64E-19	8
Crkl	2.67E-23	-0.259	0.061	0.357	6.64E-19	8
Dynlt3	3.12E-23	-0.275	0.046	0.328	7.75E-19	8
Galnt1	3.17E-23	-0.257	0.076	0.386	7.86E-19	8
Csflr	3.33E-23	-0.511	0.122	0.457	8.27E-19	8
Pafah1b2	3.47E-23	-0.336	0.024	0.286	8.61E-19	8
Ifi47	3.63E-23	-0.905	0.009	0.256	9.02E-19	8
Dtx3l	3.70E-23	-0.566	0.015	0.268	9.20E-19	8
Pgap2	3.72E-23	-0.383	0.018	0.274	9.24E-19	8
Snhg9	3.75E-23	-0.487	0.031	0.297	9.32E-19	8
Snap29	3.96E-23	-0.252	0.034	0.304	9.84E-19	8
Ptma	4.01E-23	0.586	0.972	0.927	9.95E-19	8
Evl	4.14E-23	-0.491	0.006	0.25	1.03E-18	8
Il21r	4.14E-23	-0.961	0.012	0.26	1.03E-18	8
Nek7	4.34E-23	-0.274	0.043	0.321	1.08E-18	8
Ssrp1	5.10E-23	-0.273	0.043	0.32	1.27E-18	8
Ralgds	5.12E-23	-0.559	0.018	0.272	1.27E-18	8
Aup1	5.17E-23	-0.368	0.028	0.29	1.28E-18	8
Sestd1	5.42E-23	-0.450	0.012	0.261	1.35E-18	8
Elk3	5.55E-23	-0.451	0.024	0.284	1.38E-18	8
Comt	5.66E-23	-0.403	0.028	0.29	1.41E-18	8
Gm10036	5.75E-23	-0.331	0.021	0.278	1.43E-18	8
Pno1	5.76E-23	-0.363	0.018	0.272	1.43E-18	8
Swap70	5.91E-23	-0.543	0.031	0.295	1.47E-18	8
Tmem173	6.04E-23	-0.469	0.009	0.254	1.50E-18	8



Syap1	6.12E-23	-0.276	0.024	0.284	1.52E-18	8
Pdha1	6.38E-23	-0.264	0.037	0.308	1.58E-18	8
Itga5	6.69E-23	-0.384	0.131	0.474	1.66E-18	8
Rad23a	7.08E-23	-0.303	0.034	0.301	1.76E-18	8
Hexb	7.56E-23	-0.451	0.046	0.323	1.88E-18	8
2410015M20Rik	8.01E-23	-0.345	0.009	0.253	1.99E-18	8
Csf2rb	9.47E-23	1.226	0.7	0.614	2.35E-18	8
Apobec3	9.92E-23	-0.500	0.018	0.27	2.46E-18	8
Nrip1	1.00E-22	-0.765	0.012	0.258	2.49E-18	8
Mien1	1.05E-22	-0.251	0.04	0.312	2.60E-18	8
Gtf2h5	1.07E-22	-0.329	0.021	0.276	2.65E-18	8
Metap1	1.32E-22	-0.255	0.037	0.305	3.28E-18	8
Gatad1	1.33E-22	-0.322	0.018	0.269	3.31E-18	8
Lmnb1	1.37E-22	1.161	0.664	0.655	3.41E-18	8
Zcchc9	1.43E-22	-0.281	0.028	0.287	3.56E-18	8
Xdh	1.48E-22	-0.499	0.021	0.274	3.68E-18	8
Npepps	1.48E-22	1.867	0.535	0.471	3.68E-18	8
Rab12	1.62E-22	-0.378	0.015	0.262	4.03E-18	8
Ppig	1.83E-22	-0.256	0.248	0.678	4.54E-18	8
Tomm70a	1.84E-22	-0.316	0.018	0.268	4.58E-18	8
Pfdn1	2.24E-22	-0.322	0.021	0.273	5.55E-18	8
Apobec1	2.32E-22	-0.462	0.055	0.335	5.77E-18	8
Ccng1	2.35E-22	-0.407	0.049	0.324	5.84E-18	8
11-Sep	2.37E-22	-0.281	0.055	0.337	5.88E-18	8
Fndc3b	2.38E-22	-0.393	0.058	0.342	5.91E-18	8
P2rx4	2.62E-22	-0.334	0.021	0.272	6.51E-18	8
Ddi2	2.69E-22	-0.320	0.037	0.302	6.68E-18	8
Washc5	2.73E-22	-0.326	0.024	0.278	6.78E-18	8
Igsf6	2.77E-22	-0.627	0.015	0.259	6.88E-18	8
Crybg1	3.01E-22	-0.499	0.031	0.289	7.47E-18	8
Prkacb	3.26E-22	-0.364	0.028	0.283	8.11E-18	8
Klf6	3.26E-22	-0.680	0.502	0.87	8.11E-18	8
Ube2l6	3.71E-22	-0.494	0.012	0.253	9.22E-18	8
Cox4i1	3.72E-22	-0.387	0.278	0.739	9.25E-18	8
Atf4	3.73E-22	0.895	0.774	0.885	9.26E-18	8
Plpbp	3.91E-22	-0.266	0.043	0.312	9.70E-18	8
Cflar	3.92E-22	-0.336	0.211	0.611	9.75E-18	8
Mgat1	4.22E-22	-0.257	0.043	0.312	1.05E-17	8
Nuak2	4.48E-22	-0.418	0.067	0.355	1.11E-17	8
Hmgcs1	4.68E-22	-0.565	0.015	0.258	1.16E-17	8
Fbxo28	4.86E-22	-0.283	0.034	0.294	1.21E-17	8
Nans	4.88E-22	-0.394	0.015	0.258	1.21E-17	8
Tiprl	5.66E-22	-0.339	0.064	0.349	1.41E-17	8
Rnf13	6.05E-22	-0.266	0.046	0.317	1.50E-17	8
Rpl7	7.11E-22	-0.538	0.391	0.799	1.77E-17	8
Sema4d	7.64E-22	-0.505	0.125	0.449	1.90E-17	8

Fam91a1	9.81E-22	-0.289	0.021	0.267	2.44E-17	8
Zbtb21	9.85E-22	-0.383	0.034	0.29	2.45E-17	8
Gpr65	1.02E-21	-0.351	0.101	0.413	2.53E-17	8
Ssbp1	1.05E-21	-0.339	0.015	0.255	2.60E-17	8
Cdca4	1.22E-21	-0.307	0.034	0.29	3.03E-17	8
Tmem50b	1.27E-21	-0.256	0.034	0.29	3.16E-17	8
Ccdc711	1.34E-21	-0.365	0.037	0.295	3.32E-17	8
Prkar2a	1.58E-21	-0.303	0.028	0.277	3.93E-17	8
Runx3	1.67E-21	-0.403	0.165	0.516	4.16E-17	8
Pik3r5	1.85E-21	-0.377	0.034	0.288	4.59E-17	8
Vma21	2.05E-21	-0.283	0.018	0.259	5.09E-17	8
Crtc3	2.09E-21	-0.341	0.04	0.299	5.18E-17	8
Gtf2f2	2.09E-21	-0.362	0.018	0.258	5.19E-17	8
Ergic3	2.10E-21	-0.268	0.028	0.276	5.21E-17	8
P4ha1	2.14E-21	-0.289	0.076	0.367	5.31E-17	8
Irf2bpl	2.19E-21	-0.390	0.067	0.348	5.44E-17	8
Rpl41	2.21E-21	-0.489	0.722	0.925	5.48E-17	8
Tsc22d2	2.31E-21	-0.356	0.04	0.298	5.74E-17	8
Adcy7	2.43E-21	-0.289	0.034	0.287	6.03E-17	8
Tmed3	2.45E-21	-0.281	0.028	0.276	6.09E-17	8
Pf4	2.99E-21	-1.760	0.018	0.251	7.43E-17	8
H2afz	3.34E-21	-0.649	0.453	0.854	8.29E-17	8
Retreg1	3.55E-21	-0.664	0.015	0.25	8.81E-17	8
Dnajc13	3.75E-21	-0.321	0.031	0.28	9.31E-17	8
Thap12	3.83E-21	-0.506	0.018	0.256	9.51E-17	8
Impact	3.89E-21	-0.272	0.083	0.375	9.66E-17	8
Trim8	4.05E-21	-0.269	0.058	0.331	1.01E-16	8
Tmem219	4.12E-21	-0.292	0.021	0.262	1.02E-16	8
Abhd17b	4.87E-21	-0.262	0.04	0.296	1.21E-16	8
Sar1b	4.87E-21	-0.277	0.021	0.261	1.21E-16	8
Glipr1	5.02E-21	-0.264	0.08	0.369	1.25E-16	8
Litaf	5.02E-21	0.848	0.746	0.825	1.25E-16	8
Plekhf2	5.28E-21	-0.292	0.034	0.284	1.31E-16	8
Grpel1	5.57E-21	-0.278	0.021	0.26	1.38E-16	8
Rap1gds1	5.76E-21	-0.256	0.028	0.272	1.43E-16	8
Cox8a	6.18E-21	-0.448	0.33	0.785	1.54E-16	8
Atp6v0a1	6.51E-21	-0.353	0.018	0.254	1.62E-16	8
Eif2ak1	6.89E-21	-0.310	0.031	0.277	1.71E-16	8
Gnpda1	7.44E-21	-0.266	0.031	0.277	1.85E-16	8
Csnk2a1	7.66E-21	-0.253	0.046	0.306	1.90E-16	8
Itgav	8.86E-21	-0.427	0.101	0.399	2.20E-16	8
Arl5b	1.16E-20	-0.439	0.031	0.274	2.89E-16	8
Nfic	1.18E-20	-0.458	0.061	0.329	2.94E-16	8
St3gal1	1.33E-20	-0.350	0.153	0.489	3.30E-16	8
Fam107b	1.48E-20	-0.453	0.187	0.538	3.68E-16	8
Gnl2	1.52E-20	-0.296	0.034	0.28	3.78E-16	8

Etv3	1.57E-20	-0.313	0.168	0.504	3.90E-16	8
Dnmt3a	1.81E-20	-0.426	0.034	0.278	4.49E-16	8
Ptgs2	2.23E-20	-1.896	0.055	0.302	5.54E-16	8
Ifnar1	2.49E-20	-0.314	0.031	0.272	6.18E-16	8
Smchd1	3.13E-20	-0.259	0.073	0.35	7.77E-16	8
E2f4	3.24E-20	-0.333	0.021	0.253	8.04E-16	8
Plekhm2	3.38E-20	-0.272	0.073	0.349	8.39E-16	8
Lpp	4.02E-20	-0.414	0.021	0.252	9.97E-16	8
Vgll4	4.33E-20	-0.694	0.024	0.256	1.07E-15	8
Hmgn1	4.52E-20	-0.270	0.067	0.339	1.12E-15	8
Git1	5.26E-20	-0.312	0.031	0.269	1.31E-15	8
Cd93	5.33E-20	-0.597	0.028	0.262	1.32E-15	8
Ubash3b	5.48E-20	-0.279	0.04	0.286	1.36E-15	8
Nfe2l2	6.05E-20	-0.280	0.214	0.594	1.50E-15	8
Taf7	6.09E-20	-0.442	0.021	0.25	1.51E-15	8
Mbtd1	7.22E-20	-0.294	0.046	0.296	1.79E-15	8
Stmn1	7.30E-20	-0.740	0.043	0.286	1.81E-15	8
Rab8b	7.50E-20	0.963	0.691	0.768	1.86E-15	8
Neurl3	8.31E-20	1.685	0.492	0.389	2.06E-15	8
Ccdc88a	9.07E-20	-0.434	0.055	0.31	2.25E-15	8
Idi1	9.85E-20	-0.597	0.024	0.253	2.45E-15	8
Fkbp4	1.08E-19	-0.278	0.037	0.278	2.68E-15	8
Gm42418	1.09E-19	-0.687	0.538	0.929	2.71E-15	8
Dhrs3	1.14E-19	-0.404	0.034	0.271	2.83E-15	8
Fnip2	1.17E-19	-0.365	0.205	0.556	2.92E-15	8
Srsf2	1.20E-19	0.977	0.719	0.868	2.97E-15	8
Papd5	1.29E-19	-0.300	0.031	0.265	3.21E-15	8
B4galnt1	1.33E-19	-0.254	0.064	0.327	3.31E-15	8
Ipo5	1.37E-19	-0.279	0.028	0.259	3.40E-15	8
Ptpa	1.44E-19	-0.253	0.031	0.265	3.59E-15	8
S100a6	1.49E-19	0.924	0.771	0.776	3.69E-15	8
Ppia	1.52E-19	-0.487	0.468	0.837	3.77E-15	8
Fem1b	1.57E-19	-0.344	0.037	0.276	3.91E-15	8
Gpr35	1.68E-19	-0.355	0.092	0.374	4.17E-15	8
Vav3	2.03E-19	-0.266	0.034	0.269	5.03E-15	8
B230219D22Rik	2.08E-19	-0.289	0.031	0.263	5.17E-15	8
Xpr1	2.40E-19	-0.264	0.028	0.257	5.95E-15	8
Arpc2	2.92E-19	0.640	0.902	0.898	7.25E-15	8
Gyg	2.94E-19	-0.413	0.073	0.338	7.30E-15	8
Zmiz2	3.02E-19	-0.273	0.031	0.262	7.49E-15	8
Smc4	4.67E-19	-0.260	0.104	0.39	1.16E-14	8
Bzw2	5.65E-19	-0.314	0.031	0.259	1.40E-14	8
Msmo1	5.69E-19	-0.270	0.04	0.276	1.41E-14	8
Impdh1	6.01E-19	-0.365	0.031	0.258	1.49E-14	8
Amecr11	7.20E-19	-0.284	0.031	0.258	1.79E-14	8
Cln3	7.35E-19	1.860	0.465	0.368	1.82E-14	8

Eif1	9.58E-19	0.601	0.853	0.95	2.38E-14	8
Serbp1	1.25E-18	-0.423	0.349	0.771	3.09E-14	8
Atp5j2	1.29E-18	0.277	0.135	0.457	3.19E-14	8
Isg15	1.55E-18	-0.511	0.104	0.375	3.84E-14	8
Slc20a1	1.59E-18	-0.538	0.043	0.275	3.95E-14	8
Sh3bgrl3	1.60E-18	0.683	0.813	0.845	3.98E-14	8
Slc43a2	1.93E-18	-0.345	0.034	0.259	4.80E-14	8
Gm47283	2.41E-18	-0.416	0.174	0.503	5.98E-14	8
Ogfrl1	2.70E-18	-0.368	0.04	0.269	6.72E-14	8
Lbh	3.52E-18	-0.320	0.034	0.257	8.75E-14	8
Epb41	4.16E-18	-0.259	0.052	0.29	1.03E-13	8
Capg	5.18E-18	-0.354	0.211	0.559	1.29E-13	8
Cd274	5.21E-18	-0.339	0.144	0.446	1.29E-13	8
Kdm2b	5.35E-18	-0.624	0.034	0.253	1.33E-13	8
Rpl7a	6.28E-18	-0.369	0.398	0.833	1.56E-13	8
Smad7	6.52E-18	-0.334	0.119	0.402	1.62E-13	8
Socs1	7.67E-18	-0.492	0.043	0.269	1.91E-13	8
Irf1	9.22E-18	-0.364	0.116	0.395	2.29E-13	8
B2m	9.91E-18	-0.445	0.908	0.981	2.46E-13	8
C5ar1	1.55E-17	-0.694	0.138	0.413	3.85E-13	8
Nr4a3	1.77E-17	-0.754	0.202	0.505	4.41E-13	8
Oaz1	1.89E-17	0.855	0.716	0.839	4.68E-13	8
Pik3r1	1.93E-17	-0.273	0.138	0.434	4.79E-13	8
Stat3	1.99E-17	-0.451	0.355	0.765	4.94E-13	8
Brd2	2.03E-17	-0.407	0.44	0.872	5.04E-13	8
Fam53c	2.14E-17	-0.258	0.04	0.261	5.32E-13	8
Ier5	2.29E-17	-0.452	0.358	0.772	5.70E-13	8
Timp2	3.17E-17	-0.833	0.076	0.313	7.86E-13	8
Zbtb1	3.55E-17	-0.296	0.08	0.329	8.81E-13	8
Tnf	7.05E-17	-1.074	0.095	0.336	1.75E-12	8
Tiam1	9.18E-17	-0.271	0.043	0.26	2.28E-12	8
Rbm39	1.09E-16	0.920	0.728	0.893	2.72E-12	8
1700017B05Rik	1.18E-16	1.708	0.483	0.414	2.94E-12	8
Ptpn22	1.21E-16	-0.499	0.052	0.273	3.01E-12	8
Mt1	1.32E-16	-0.486	0.45	0.788	3.27E-12	8
CD4-pAbO (Ab)	2.60E-16	-0.359	0.859	0.881	6.45E-12	8
Plaur	3.12E-16	0.863	0.709	0.672	7.75E-12	8
Slk	3.36E-16	1.524	0.529	0.526	8.35E-12	8
Znrf1	3.55E-16	-0.282	0.043	0.253	8.82E-12	8
S100a11	5.00E-16	0.747	0.746	0.81	1.24E-11	8
Ets1	5.77E-16	-0.898	0.049	0.254	1.43E-11	8
Eef2	6.57E-16	-0.442	0.431	0.835	1.63E-11	8
Actn1	7.05E-16	-0.532	0.052	0.264	1.75E-11	8
Tmbim6	7.29E-16	0.950	0.642	0.791	1.81E-11	8
Sgms2	8.75E-16	1.276	0.391	0.259	2.17E-11	8
Ccl4	1.24E-15	-2.289	0.11	0.338	3.08E-11	8

Tmem30a	1.29E-15	0.269	0.138	0.428	3.21E-11	8
Wdr83os	1.50E-15	0.337	0.131	0.417	3.73E-11	8
Hmgn5	2.69E-15	-0.308	0.067	0.287	6.69E-11	8
Pde3b	3.62E-15	1.738	0.297	0.173	8.99E-11	8
Rab5if	4.43E-15	0.268	0.116	0.381	1.10E-10	8
Atxn2l	5.16E-15	0.292	0.208	0.558	1.28E-10	8
Gadd45g	9.18E-15	-0.539	0.061	0.268	2.28E-10	8
Snw1	9.32E-15	0.272	0.171	0.482	2.31E-10	8
Dnaja1	9.59E-15	1.145	0.67	0.79	2.38E-10	8
Crk	9.86E-15	0.285	0.113	0.371	2.45E-10	8
Ccl8	1.04E-14	-2.560	0.058	0.251	2.59E-10	8
Nfkbiz	1.15E-14	-0.638	0.183	0.456	2.86E-10	8
Pum1	1.93E-14	0.344	0.15	0.437	4.79E-10	8
Ywhaz	2.38E-14	0.708	0.752	0.876	5.91E-10	8
Zcrb1	2.72E-14	0.303	0.101	0.343	6.75E-10	8
Gpnmb	2.95E-14	-1.551	0.067	0.263	7.33E-10	8
Chchd2	3.65E-14	0.772	0.7	0.852	9.06E-10	8
Csf2rb2	3.83E-14	1.659	0.498	0.457	9.50E-10	8
Foxo1	4.32E-14	-0.319	0.067	0.273	1.07E-09	8
Lasp1	5.31E-14	1.440	0.569	0.644	1.32E-09	8
Tes	5.42E-14	1.321	0.526	0.534	1.35E-09	8
Hnrnpd	1.18E-13	0.294	0.232	0.587	2.92E-09	8
Eif4h	1.21E-13	0.271	0.208	0.544	3.00E-09	8
Rnf4	1.54E-13	0.332	0.187	0.5	3.82E-09	8
Hmgb2	1.60E-13	-0.450	0.336	0.694	3.97E-09	8
Psma6	2.01E-13	0.260	0.162	0.45	5.00E-09	8
Golga4	2.28E-13	0.281	0.098	0.325	5.67E-09	8
Ccar1	2.49E-13	0.255	0.135	0.393	6.18E-09	8
Cdc5l	2.67E-13	0.287	0.205	0.528	6.62E-09	8
Mta2	2.77E-13	0.306	0.165	0.453	6.88E-09	8
Ap3s1	3.18E-13	0.304	0.15	0.423	7.90E-09	8
Hpcal1	3.29E-13	0.257	0.177	0.473	8.18E-09	8
Rassf5	3.69E-13	1.697	0.281	0.169	9.16E-09	8
Fkbp8	4.20E-13	0.299	0.11	0.347	1.04E-08	8
D8Ertd738e	4.25E-13	0.282	0.217	0.553	1.05E-08	8
Rps29	4.53E-13	-0.329	0.838	0.933	1.13E-08	8
Mpc1	4.82E-13	0.309	0.11	0.346	1.20E-08	8
Rplp2	5.02E-13	0.586	0.838	0.863	1.25E-08	8
Cxxc1	5.72E-13	0.282	0.089	0.304	1.42E-08	8
Fam117b	6.48E-13	0.258	0.165	0.444	1.61E-08	8
Rtf2	6.91E-13	0.255	0.095	0.315	1.72E-08	8
Wtap	7.32E-13	0.319	0.177	0.471	1.82E-08	8
Ddx47	8.18E-13	0.348	0.113	0.349	2.03E-08	8
Usp16	9.54E-13	0.251	0.128	0.375	2.37E-08	8
Tm9sf2	9.91E-13	0.308	0.141	0.4	2.46E-08	8
Srpr	1.06E-12	0.281	0.135	0.387	2.63E-08	8

Supt16	1.10E-12	0.303	0.122	0.364	2.73E-08	8
mt-Co3	1.31E-12	-0.475	0.853	0.969	3.25E-08	8
Gas7	1.37E-12	1.695	0.315	0.211	3.39E-08	8
Plk2	1.38E-12	-0.265	0.083	0.281	3.43E-08	8
Usp25	1.45E-12	0.289	0.122	0.362	3.61E-08	8
Sat1	1.49E-12	0.610	0.768	0.845	3.71E-08	8
Sypl	1.57E-12	0.257	0.128	0.373	3.89E-08	8
Lamp1	1.71E-12	-0.398	0.367	0.678	4.24E-08	8
Calm1	2.18E-12	-0.488	0.765	0.928	5.41E-08	8
Por	3.53E-12	1.165	0.52	0.53	8.78E-08	8
Mob4	3.55E-12	0.267	0.092	0.301	8.82E-08	8
Tsc22d4	3.79E-12	0.265	0.119	0.35	9.42E-08	8
H13	4.19E-12	0.485	0.165	0.439	1.04E-07	8
Furin	4.52E-12	1.369	0.517	0.548	1.12E-07	8
Ran	4.76E-12	-0.253	0.355	0.73	1.18E-07	8
Tbc1d10b	4.83E-12	0.321	0.095	0.305	1.20E-07	8
Gnai3	5.11E-12	0.308	0.199	0.503	1.27E-07	8
Gnai2	5.26E-12	-0.344	0.48	0.817	1.31E-07	8
Cab39	6.21E-12	0.289	0.199	0.499	1.54E-07	8
Mindy1	6.39E-12	1.671	0.352	0.265	1.59E-07	8
Itgb2	6.40E-12	0.933	0.624	0.706	1.59E-07	8
6-Mar	6.83E-12	0.313	0.098	0.309	1.70E-07	8
Tlk2	8.43E-12	0.288	0.107	0.324	2.09E-07	8
Taf10	9.20E-12	0.359	0.107	0.325	2.28E-07	8
Fcer1g	1.18E-11	-0.606	0.645	0.754	2.93E-07	8
Xiap	1.19E-11	0.479	0.116	0.339	2.96E-07	8
Clec4d	1.24E-11	-0.959	0.202	0.437	3.09E-07	8
Stx4a	1.26E-11	0.401	0.107	0.323	3.12E-07	8
Smarce1	1.32E-11	0.251	0.135	0.372	3.29E-07	8
Chtop	1.37E-11	0.408	0.144	0.391	3.40E-07	8
Gak	1.46E-11	0.322	0.122	0.349	3.62E-07	8
Nadk	1.48E-11	0.315	0.104	0.316	3.68E-07	8
Csrnp1	1.75E-11	-0.291	0.416	0.789	4.36E-07	8
Rpl7l1	1.79E-11	0.266	0.083	0.276	4.44E-07	8
Nup98	2.08E-11	0.408	0.211	0.515	5.16E-07	8
Rgs2	2.13E-11	-0.494	0.416	0.733	5.30E-07	8
Itm2c	2.21E-11	1.347	0.517	0.566	5.49E-07	8
Pygl	2.32E-11	1.520	0.287	0.188	5.75E-07	8
Mapkapk3	3.07E-11	0.290	0.141	0.377	7.62E-07	8
Rnf6	3.10E-11	0.250	0.11	0.323	7.71E-07	8
Vamp3	3.19E-11	0.478	0.162	0.422	7.92E-07	8
Hdgf	3.22E-11	1.635	0.502	0.561	8.00E-07	8
Calu	3.44E-11	0.268	0.122	0.346	8.55E-07	8
Ptpn2	4.33E-11	0.347	0.141	0.379	1.08E-06	8
Nfyc	4.71E-11	0.289	0.092	0.288	1.17E-06	8
Smim14	5.22E-11	0.256	0.11	0.321	1.30E-06	8

Suds3	5.33E-11	0.278	0.086	0.276	1.32E-06	8
Ap1g1	5.52E-11	0.409	0.144	0.382	1.37E-06	8
Bri3	5.93E-11	0.327	0.183	0.457	1.47E-06	8
Elf2	6.33E-11	0.297	0.15	0.391	1.57E-06	8
Lnpep	6.54E-11	0.313	0.196	0.476	1.62E-06	8
Sdcbp	6.75E-11	0.680	0.737	0.823	1.68E-06	8
Coro1a	6.76E-11	0.932	0.661	0.771	1.68E-06	8
Sp1	6.84E-11	0.280	0.095	0.29	1.70E-06	8
Junb	7.88E-11	-0.261	0.657	0.943	1.96E-06	8
Tmbim4	8.29E-11	0.271	0.128	0.351	2.06E-06	8
Nipbl	8.42E-11	0.314	0.205	0.488	2.09E-06	8
Prkx	8.71E-11	0.278	0.128	0.35	2.16E-06	8
Rsl24d1	9.62E-11	0.266	0.073	0.251	2.39E-06	8
Srsf5	1.02E-10	0.708	0.682	0.856	2.53E-06	8
Bptf	1.06E-10	0.397	0.19	0.46	2.64E-06	8
Coro1c	1.07E-10	0.326	0.193	0.471	2.66E-06	8
Smarcc2	1.08E-10	0.296	0.083	0.267	2.69E-06	8
Zfand6	1.12E-10	0.348	0.153	0.395	2.79E-06	8
Nrd1	1.14E-10	0.285	0.141	0.37	2.83E-06	8
Usp9x	1.31E-10	0.449	0.165	0.417	3.24E-06	8
Hp1bp3	1.33E-10	0.317	0.153	0.393	3.31E-06	8
Rps27a	1.37E-10	-0.335	0.661	0.882	3.39E-06	8
Bub3	1.51E-10	0.361	0.101	0.298	3.76E-06	8
Zbtb7a	1.54E-10	0.265	0.275	0.618	3.82E-06	8
Kctd12	1.59E-10	1.108	0.554	0.603	3.96E-06	8
Fam214b	1.60E-10	0.366	0.116	0.325	3.98E-06	8
Elavl1	1.69E-10	0.344	0.128	0.348	4.19E-06	8
Lims1	1.74E-10	0.289	0.165	0.413	4.31E-06	8
2610507B11Rik	1.74E-10	0.269	0.116	0.324	4.32E-06	8
Chordc1	1.90E-10	0.387	0.128	0.346	4.71E-06	8
S100a13	1.91E-10	0.343	0.211	0.502	4.76E-06	8
Ube2h	1.99E-10	0.299	0.174	0.429	4.94E-06	8
Mia3	2.11E-10	0.254	0.135	0.355	5.24E-06	8
Sqstm1	2.11E-10	0.817	0.771	0.907	5.24E-06	8
B4galt1	2.19E-10	0.271	0.205	0.483	5.44E-06	8
Cbfb	2.21E-10	0.310	0.138	0.363	5.49E-06	8
Crebbp	2.30E-10	0.298	0.211	0.497	5.70E-06	8
Mfsd5	2.30E-10	0.335	0.098	0.29	5.71E-06	8
Psme4	2.49E-10	0.281	0.095	0.284	6.19E-06	8
Lmna	2.89E-10	1.183	0.563	0.617	7.19E-06	8
Snx10	2.93E-10	0.291	0.116	0.32	7.27E-06	8
Cox17	2.93E-10	0.382	0.147	0.377	7.28E-06	8
Bud31	3.00E-10	0.419	0.144	0.373	7.46E-06	8
Emd	3.01E-10	0.404	0.18	0.442	7.48E-06	8
Anxa6	3.04E-10	1.728	0.413	0.38	7.55E-06	8
Pnrc2	3.05E-10	0.347	0.165	0.41	7.57E-06	8

Ptp4a2	3.25E-10	0.674	0.67	0.8	8.06E-06	8
Ripk1	3.27E-10	0.312	0.159	0.399	8.11E-06	8
Hnrnp1	3.56E-10	1.306	0.535	0.628	8.85E-06	8
Akirin2	3.59E-10	0.276	0.098	0.288	8.93E-06	8
Ing1	3.67E-10	0.351	0.141	0.361	9.11E-06	8
Sec24c	4.00E-10	0.251	0.089	0.27	9.93E-06	8
Ube2z	4.43E-10	0.407	0.107	0.303	1.10E-05	8
Baz1b	4.70E-10	0.376	0.135	0.351	1.17E-05	8
Akap8	4.71E-10	0.259	0.11	0.307	1.17E-05	8
Gng2	4.98E-10	0.360	0.15	0.381	1.24E-05	8
Slu7	5.02E-10	0.429	0.144	0.369	1.25E-05	8
Polr2a	5.06E-10	0.269	0.254	0.573	1.26E-05	8
N4bp212	5.38E-10	0.387	0.125	0.334	1.34E-05	8
Oser1	5.45E-10	0.325	0.196	0.465	1.35E-05	8
Fermt3	5.90E-10	0.424	0.119	0.324	1.47E-05	8
Gsk3a	6.20E-10	0.400	0.159	0.395	1.54E-05	8
Mapk3	6.32E-10	0.351	0.141	0.362	1.57E-05	8
Rab11b	6.41E-10	0.429	0.18	0.437	1.59E-05	8
Otud5	6.57E-10	0.348	0.131	0.345	1.63E-05	8
Smap2	6.83E-10	0.405	0.174	0.424	1.70E-05	8
Ddx50	6.85E-10	0.435	0.119	0.322	1.70E-05	8
Arcn1	6.93E-10	0.397	0.196	0.467	1.72E-05	8
Med15	7.13E-10	0.289	0.086	0.262	1.77E-05	8
Kpnb1	8.03E-10	0.381	0.183	0.443	2.00E-05	8
Clk4	8.13E-10	0.326	0.15	0.374	2.02E-05	8
Ikbkb	8.24E-10	0.295	0.147	0.368	2.05E-05	8
Vapb	8.38E-10	0.395	0.125	0.333	2.08E-05	8
Agpat5	1.03E-09	0.440	0.098	0.282	2.55E-05	8
Dot11	1.08E-09	0.314	0.202	0.466	2.68E-05	8
Zbtb11	1.10E-09	0.319	0.086	0.259	2.74E-05	8
Atf2	1.14E-09	0.331	0.098	0.28	2.83E-05	8
Tmem189	1.19E-09	1.025	0.554	0.63	2.95E-05	8
Sun2	1.21E-09	1.566	0.425	0.409	3.00E-05	8
Map7d1	1.33E-09	0.394	0.229	0.527	3.31E-05	8
Entpd1	1.34E-09	1.394	0.388	0.335	3.33E-05	8
Ppp4c	1.39E-09	0.403	0.242	0.551	3.45E-05	8
Rcc2	1.49E-09	0.264	0.083	0.251	3.70E-05	8
Ptafr	1.56E-09	1.032	0.523	0.541	3.88E-05	8
Rbbp4	1.63E-09	0.391	0.223	0.516	4.04E-05	8
Tnrc6a	1.66E-09	0.404	0.187	0.437	4.13E-05	8
Gatad2b	1.66E-09	0.276	0.177	0.421	4.13E-05	8
Cot11	1.68E-09	0.981	0.572	0.699	4.17E-05	8
Axin1	1.72E-09	0.283	0.083	0.251	4.27E-05	8
H3f3b	1.79E-09	-0.291	0.823	0.973	4.45E-05	8
Chuk	1.94E-09	0.370	0.107	0.294	4.81E-05	8
Sdf2	2.00E-09	0.370	0.11	0.3	4.96E-05	8



Larp7	2.02E-09	0.379	0.092	0.266	5.03E-05	8
Hdlbp	2.10E-09	0.264	0.275	0.613	5.23E-05	8
Bcl10	2.22E-09	0.464	0.177	0.424	5.52E-05	8
Psmc4	2.26E-09	0.396	0.125	0.327	5.62E-05	8
Eif4g2	2.26E-09	0.991	0.581	0.762	5.62E-05	8
Ctnnb1	2.28E-09	1.197	0.529	0.625	5.67E-05	8
Stk19	2.40E-09	1.573	0.254	0.166	5.96E-05	8
Wdr45b	2.41E-09	0.264	0.095	0.271	5.98E-05	8
Smg7	2.47E-09	0.318	0.128	0.33	6.12E-05	8
1700020I14Rik	2.57E-09	0.329	0.092	0.264	6.38E-05	8
Rbm22	2.68E-09	0.361	0.125	0.326	6.66E-05	8
Ier3ip1	2.80E-09	0.423	0.159	0.388	6.95E-05	8
Arih1	2.80E-09	0.360	0.242	0.545	6.96E-05	8
Cwc25	2.93E-09	0.371	0.144	0.354	7.29E-05	8
Eif4a2	3.13E-09	0.267	0.297	0.644	7.77E-05	8
Dctn4	3.15E-09	0.314	0.128	0.329	7.82E-05	8
Cdc42	3.23E-09	0.546	0.734	0.862	8.01E-05	8
Dirc2	3.39E-09	0.279	0.11	0.295	8.43E-05	8
Usp34	3.66E-09	0.362	0.177	0.418	9.08E-05	8
Dstn	3.96E-09	0.429	0.196	0.452	9.83E-05	8
Ash11	4.10E-09	0.310	0.128	0.326	0.000101946	8
Etnk1	4.23E-09	0.357	0.135	0.337	0.000105171	8
Sfpq	4.53E-09	0.863	0.624	0.815	0.000112591	8
Slain2	4.58E-09	0.324	0.089	0.256	0.000113781	8
Ep400	4.59E-09	0.382	0.113	0.299	0.000114126	8
Rab22a	4.61E-09	0.444	0.131	0.333	0.000114494	8
Vasp	4.63E-09	1.223	0.535	0.651	0.00011503	8
Irf5	5.13E-09	0.315	0.098	0.272	0.000127513	8
Cul1	5.18E-09	0.378	0.125	0.321	0.000128693	8
Ube2n	5.28E-09	0.429	0.257	0.58	0.000131164	8
Washc2	5.43E-09	0.373	0.153	0.368	0.000134797	8
Lrrfip1	5.58E-09	1.190	0.535	0.646	0.000138591	8
Ubxn1	5.62E-09	0.426	0.138	0.344	0.00013951	8
Myh9	5.81E-09	1.083	0.554	0.676	0.000144394	8
Pitpnc1	6.01E-09	0.311	0.113	0.295	0.000149352	8
mt-Nd3	6.55E-09	-0.281	0.523	0.866	0.000162779	8
Fnbp4	7.34E-09	0.366	0.18	0.416	0.000182282	8
Vps4b	7.38E-09	0.417	0.18	0.418	0.00018341	8
Copz1	7.54E-09	0.547	0.18	0.423	0.000187275	8
Lpin2	7.89E-09	0.332	0.104	0.278	0.000195884	8
Maea	9.19E-09	0.369	0.128	0.323	0.000228192	8
Pcmt1	9.44E-09	0.618	0.156	0.375	0.000234579	8
Ddx54	9.97E-09	0.353	0.104	0.279	0.000247733	8
Herpud2	1.01E-08	0.409	0.119	0.306	0.000251859	8
Snx4	1.02E-08	0.427	0.122	0.311	0.000254371	8
Dlst	1.07E-08	0.436	0.128	0.322	0.000265203	8

Cers6	1.14E-08	0.315	0.104	0.277	0.000283678	8
Pabpc1	1.20E-08	0.430	0.844	0.938	0.000298896	8
Ubald2	1.33E-08	0.317	0.177	0.404	0.000330714	8
Cast	1.34E-08	0.324	0.196	0.44	0.000332576	8
Eif5b	1.42E-08	0.309	0.309	0.647	0.000352065	8
Tyrobp	1.42E-08	-0.415	0.544	0.729	0.0003523	8
Flcn	1.45E-08	0.281	0.254	0.549	0.000359479	8
Alyref	1.46E-08	0.385	0.177	0.41	0.000361917	8
Elf4	1.51E-08	0.316	0.119	0.302	0.000374247	8
Eed	1.60E-08	0.436	0.144	0.346	0.00039799	8
Oat	1.65E-08	0.619	0.202	0.459	0.000409912	8
Ubr2	1.71E-08	0.405	0.135	0.329	0.000425597	8
Fis1	1.77E-08	0.536	0.187	0.428	0.000439483	8
Nab1	1.86E-08	0.402	0.199	0.446	0.000461714	8
Ptk2b	1.92E-08	1.547	0.349	0.295	0.000477847	8
Lta4h	1.98E-08	0.321	0.107	0.28	0.000491946	8
Cdc42se1	2.00E-08	0.578	0.19	0.434	0.000496455	8
Dnajc5	2.12E-08	0.381	0.266	0.581	0.000525811	8
Lsm3	2.14E-08	0.316	0.092	0.253	0.000531326	8
Skil	2.20E-08	0.335	0.321	0.665	0.000545645	8
Mpp1	2.32E-08	0.447	0.138	0.333	0.000575222	8
Aftph	2.65E-08	0.427	0.135	0.327	0.000657558	8
Ctbp1	2.73E-08	0.551	0.119	0.3	0.000677198	8
Arhgef2	2.73E-08	0.459	0.147	0.349	0.000679173	8
Yipf3	2.94E-08	0.483	0.101	0.267	0.000730308	8
Sem1	3.38E-08	0.260	0.33	0.713	0.000839821	8
Trib1	3.40E-08	0.694	0.572	0.606	0.000843694	8
Prpf40a	3.66E-08	0.358	0.287	0.616	0.000910197	8
Fbxo33	4.15E-08	0.464	0.174	0.394	0.001031808	8
Lgals8	4.17E-08	0.375	0.101	0.264	0.001034797	8
Bdp1	4.19E-08	0.266	0.101	0.262	0.001041377	8
Tbc1d15	4.27E-08	0.412	0.15	0.35	0.001059712	8
Cyb5r4	4.40E-08	0.493	0.113	0.286	0.001092082	8
Mcl1	4.41E-08	-0.329	0.67	0.906	0.001096098	8
Kmt2c	4.61E-08	0.341	0.15	0.348	0.001144978	8
Sec11c	4.82E-08	0.318	0.254	0.548	0.001198229	8
Myl12b	5.02E-08	1.505	0.294	0.226	0.001245927	8
Tra2a	5.55E-08	0.309	0.266	0.557	0.001377903	8
Ncor1	5.79E-08	0.402	0.232	0.501	0.001438758	8
Atg3	6.09E-08	0.467	0.138	0.327	0.001512221	8
Arih2	6.16E-08	0.257	0.095	0.251	0.001531199	8
Top2b	6.27E-08	0.360	0.107	0.272	0.001556461	8
Setd2	6.33E-08	0.479	0.242	0.52	0.001573391	8
Ppp1r12c	6.39E-08	0.547	0.144	0.338	0.001587118	8
Ppp1cb	6.50E-08	0.498	0.199	0.442	0.001615405	8
Zc3h7a	6.62E-08	0.541	0.22	0.479	0.001644117	8

Rps21	6.86E-08	-0.262	0.48	0.81	0.001705084	8
Itsn2	7.05E-08	0.374	0.217	0.469	0.001752377	8
Usf2	7.10E-08	0.465	0.235	0.512	0.001762456	8
Serp1	7.57E-08	0.358	0.315	0.661	0.001880399	8
Plekha2	8.64E-08	0.479	0.15	0.342	0.002145254	8
Tbl1xr1	9.11E-08	0.556	0.11	0.277	0.002262153	8
Mef2d	9.24E-08	0.552	0.254	0.541	0.002295955	8
Ctcf	9.66E-08	0.365	0.156	0.355	0.00239841	8
Rsrc2	9.73E-08	0.371	0.251	0.529	0.002416438	8
Ilf3	1.00E-07	0.455	0.174	0.386	0.002494527	8
Zc3hav1	1.02E-07	0.277	0.278	0.57	0.002545957	8
Tec	1.05E-07	1.548	0.281	0.213	0.002620022	8
Baiap2	1.10E-07	0.328	0.116	0.283	0.002723005	8
Tox4	1.13E-07	0.449	0.141	0.328	0.00280936	8
Cpsf6	1.14E-07	0.304	0.098	0.253	0.00282932	8
Pnir	1.16E-07	0.372	0.144	0.329	0.002875978	8
Ube2e3	1.25E-07	0.371	0.144	0.333	0.003116603	8
Cap1	1.30E-07	1.241	0.505	0.627	0.003228002	8
Supt5	1.31E-07	0.370	0.104	0.262	0.003251211	8
Atxn7	1.40E-07	1.467	0.294	0.226	0.003466022	8
Ppp1r15b	1.45E-07	0.394	0.235	0.506	0.003607167	8
Gpx4	1.64E-07	1.231	0.465	0.532	0.004069327	8
Tug1	1.68E-07	0.347	0.116	0.28	0.004164266	8
Fam110a	1.81E-07	0.256	0.187	0.395	0.004497988	8
Esco1	1.82E-07	0.272	0.11	0.27	0.004532799	8
Cxcl2	1.93E-07	-0.742	0.713	0.655	0.00478864	8
Fam104a	2.11E-07	0.557	0.18	0.4	0.005232631	8
Prpf39	2.25E-07	0.359	0.119	0.285	0.005577413	8
Kras	2.40E-07	0.510	0.214	0.457	0.005954541	8
Camta2	2.61E-07	0.373	0.101	0.253	0.006490044	8
Usp19	2.80E-07	0.494	0.15	0.339	0.006956161	8
Snx20	2.87E-07	0.345	0.113	0.272	0.007119083	8
Hectd1	2.91E-07	0.401	0.254	0.531	0.007219575	8
Sf3b6	2.93E-07	0.645	0.168	0.373	0.007287767	8
Cmtm6	3.04E-07	0.438	0.15	0.339	0.007549273	8
Pmaip1	3.13E-07	1.391	0.416	0.408	0.007765086	8
Ppm1a	3.19E-07	0.499	0.171	0.378	0.007911411	8
Rapgef6	3.20E-07	0.270	0.125	0.291	0.007949218	8
Ube2s	3.21E-07	0.420	0.303	0.629	0.007974557	8
Med28	3.24E-07	0.477	0.113	0.273	0.008051477	8
Srek1	3.31E-07	0.462	0.144	0.324	0.008225819	8
Rnf11	3.52E-07	0.344	0.153	0.338	0.008741781	8
Cstb	3.52E-07	-0.349	0.569	0.808	0.008747175	8
Ppp6c	3.61E-07	0.539	0.162	0.361	0.008977684	8
Mat2b	3.76E-07	0.496	0.116	0.277	0.009332904	8
Inpp5d	3.82E-07	0.450	0.138	0.315	0.009490838	8

Aamp	3.84E-07	0.508	0.257	0.543	0.009540876	8
Atp6v0d1	4.14E-07	0.503	0.254	0.538	0.010281863	8
Tmem183a	4.20E-07	0.427	0.104	0.255	0.010444769	8
Aplp2	4.30E-07	0.378	0.239	0.498	0.010670476	8
Sla	4.58E-07	1.425	0.401	0.39	0.011368	8
Pat1	4.77E-07	0.503	0.18	0.391	0.011841819	8
Fam133b	4.93E-07	0.424	0.171	0.37	0.012251249	8
Pbdc1	4.98E-07	0.526	0.125	0.291	0.012360254	8
Acbd5	5.10E-07	0.473	0.104	0.254	0.01266254	8
Dnm2	5.12E-07	0.532	0.162	0.356	0.012729677	8
Klf7	5.23E-07	1.527	0.327	0.281	0.012982472	8
Ggnbp2	5.24E-07	0.428	0.278	0.579	0.013007713	8
Nfat5	5.61E-07	0.403	0.22	0.456	0.013939933	8
Arl2bp	5.88E-07	0.390	0.119	0.279	0.014594427	8
Tgfbr2	5.90E-07	1.385	0.318	0.271	0.014649556	8
Cop1	5.97E-07	0.495	0.128	0.296	0.014826644	8
Nfkbie	6.49E-07	0.417	0.153	0.335	0.016127969	8
Ubxn4	6.63E-07	0.341	0.312	0.635	0.0164653	8
Syk	6.86E-07	1.267	0.468	0.527	0.01704935	8
Cpsf7	7.10E-07	0.528	0.147	0.327	0.01764314	8
CD8a-pAbO (Ab)	7.73E-07	0.456	0.624	0.712	0.019209392	8
Atrx	7.76E-07	0.456	0.248	0.503	0.019269468	8
Cggbp1	7.85E-07	0.553	0.239	0.499	0.019510729	8
Ykt6	8.24E-07	0.500	0.147	0.326	0.02046262	8
Tardbp	8.45E-07	0.577	0.214	0.452	0.021000016	8
Rad21	1.03E-06	0.511	0.199	0.419	0.025503164	8
Arhgef1	1.06E-06	1.482	0.355	0.331	0.026246261	8
Hnrnpc	1.10E-06	0.608	0.645	0.851	0.027336275	8
Hnrnpdl	1.17E-06	0.382	0.315	0.642	0.02900973	8
Capza1	1.19E-06	0.327	0.309	0.643	0.029445673	8
Sec14l1	1.26E-06	0.467	0.122	0.28	0.031361228	8
Riok3	1.35E-06	1.246	0.468	0.558	0.033448118	8
Ube2k	1.36E-06	0.450	0.26	0.539	0.033822804	8
Nktr	1.37E-06	0.364	0.254	0.505	0.034011279	8
Atp6ap1	1.39E-06	1.232	0.462	0.544	0.034433764	8
Osm	1.42E-06	1.440	0.413	0.399	0.035384891	8
Gatad2a	1.55E-06	0.569	0.229	0.477	0.038419164	8
Mthfsl	1.57E-06	0.348	0.11	0.255	0.038903	8
Rbm5	1.70E-06	0.418	0.211	0.435	0.042191275	8
Pkn1	1.78E-06	0.547	0.153	0.331	0.044296523	8
Arhgap45	1.79E-06	1.415	0.41	0.427	0.04456013	8
Acsl4	1.85E-06	0.617	0.162	0.348	0.04605282	8
Eif3j1	2.05E-06	0.583	0.248	0.51	0.050823702	8
Dusp1	2.06E-06	-0.358	0.462	0.752	0.051260872	8
Kdm1a	2.08E-06	0.394	0.11	0.254	0.051772275	8
Rbbp8	2.11E-06	0.418	0.153	0.328	0.052420675	8

Pdcd6	2.32E-06	0.591	0.232	0.482	0.057540529	8
Rab2a	2.34E-06	0.584	0.26	0.538	0.058141028	8
Msl1	2.40E-06	0.572	0.193	0.401	0.059598679	8
Rab14	2.60E-06	0.503	0.275	0.566	0.064595479	8
Slc11a1	2.67E-06	0.279	0.187	0.379	0.066307631	8
Ints6	2.79E-06	0.390	0.122	0.27	0.069416322	8
Tatdn2	2.83E-06	0.473	0.193	0.396	0.070244937	8
Cnot6	2.83E-06	0.655	0.183	0.384	0.070278161	8
Chd7	2.84E-06	0.399	0.248	0.488	0.070424759	8
Irak2	3.03E-06	0.382	0.245	0.482	0.075145457	8
Man2b1	3.08E-06	0.548	0.202	0.413	0.076456842	8
Cln5	3.11E-06	0.490	0.119	0.268	0.077347248	8
Capzb	3.34E-06	0.609	0.627	0.79	0.083025966	8
Bag6	3.42E-06	0.545	0.138	0.299	0.085071703	8
Ppp1r2	3.48E-06	0.505	0.223	0.457	0.086534838	8
Aldoa	3.55E-06	0.374	0.728	0.823	0.088227492	8
Pon2	3.70E-06	0.517	0.131	0.289	0.091802701	8
Wdr26	3.84E-06	0.344	0.367	0.728	0.095477603	8
Tab2	3.90E-06	0.518	0.284	0.576	0.096795051	8
Ip6k1	3.93E-06	0.426	0.116	0.26	0.097575761	8
Nxf1	4.13E-06	0.609	0.217	0.443	0.102594419	8
Chd1	4.54E-06	0.496	0.196	0.4	0.112709074	8
Tuba1c	4.54E-06	0.668	0.596	0.734	0.112744328	8
Mark2	4.60E-06	0.627	0.208	0.424	0.114259787	8
Mkln1	4.62E-06	0.560	0.15	0.318	0.114792606	8
Stk10	5.07E-06	1.501	0.294	0.248	0.12592654	8
Pum2	5.37E-06	0.401	0.294	0.591	0.13330086	8
Snrpb	5.45E-06	0.416	0.3	0.608	0.135481556	8
Hmgn2	5.53E-06	0.433	0.138	0.295	0.137393608	8
Ubr4	5.66E-06	0.469	0.199	0.404	0.140528379	8
Becn1	5.66E-06	0.683	0.19	0.39	0.140617893	8
Mfsd14b	5.90E-06	0.585	0.122	0.269	0.146435461	8
Myo1f	6.08E-06	0.512	0.153	0.322	0.151013984	8
Der11	6.20E-06	0.560	0.242	0.491	0.154112029	8
Rsf1	6.25E-06	0.448	0.153	0.317	0.155228048	8
Ube2i	6.26E-06	0.505	0.287	0.585	0.155550062	8
Selenok	6.66E-06	0.320	0.358	0.712	0.165522509	8
Nap114	7.17E-06	0.524	0.162	0.337	0.178136072	8
Pabpc4	7.27E-06	0.378	0.119	0.261	0.180455807	8
Carhsp1	7.43E-06	0.483	0.131	0.282	0.184514507	8
Zfp52	7.80E-06	0.491	0.162	0.331	0.193853508	8
Gpr132	7.86E-06	0.957	0.511	0.578	0.195318205	8
Tet3	8.02E-06	0.478	0.165	0.337	0.199208463	8
Cers2	8.17E-06	0.591	0.254	0.515	0.203002495	8
Ube2d3	8.26E-06	0.697	0.581	0.816	0.205051176	8
Ccdc12	8.37E-06	0.573	0.162	0.335	0.207844535	8

Tpm3-rs7	8.67E-06	0.698	0.159	0.332	0.215253752	8
Fth1	8.72E-06	-0.927	0.954	0.986	0.216593432	8
Il10ra	9.05E-06	0.332	0.131	0.278	0.224785867	8
Adipor2	9.68E-06	0.463	0.232	0.458	0.240491305	8
Ythdf3	1.01E-05	0.551	0.205	0.411	0.250795186	8
Nrbp1	1.02E-05	0.605	0.202	0.407	0.253241058	8
Kmt2a	1.02E-05	0.389	0.141	0.292	0.254494653	8
Creg1	1.05E-05	0.324	0.205	0.401	0.262005417	8
Snap23	1.06E-05	0.417	0.183	0.37	0.262914028	8
Rnh1	1.08E-05	1.111	0.483	0.595	0.268018644	8
Fam32a	1.09E-05	0.613	0.156	0.323	0.26971021	8
Spag7	1.10E-05	0.520	0.125	0.27	0.272693008	8
Fnip1	1.10E-05	0.503	0.294	0.573	0.274179792	8
Cisd2	1.11E-05	0.533	0.211	0.423	0.27448148	8
Lbr	1.11E-05	1.346	0.306	0.269	0.276418887	8
Ss18	1.13E-05	0.477	0.153	0.314	0.279663583	8
Supt6	1.16E-05	0.586	0.156	0.322	0.286998762	8
Pgs1	1.16E-05	0.495	0.128	0.273	0.287105476	8
Zfp91	1.17E-05	0.512	0.315	0.628	0.290031852	8
Prdm2	1.20E-05	0.422	0.278	0.536	0.298068121	8
Srsf4	1.30E-05	0.493	0.156	0.321	0.322304652	8
Celf1	1.40E-05	0.575	0.208	0.413	0.348885636	8
Rhbdf2	1.64E-05	0.518	0.168	0.34	0.406786492	8
Dnajb6	1.64E-05	1.261	0.477	0.603	0.408210663	8
Btbd7	1.65E-05	0.534	0.135	0.281	0.410786488	8
Tbk1	1.78E-05	0.640	0.208	0.41	0.441072067	8
Gfpt1	1.79E-05	0.586	0.211	0.414	0.444792371	8
Kcmf1	1.98E-05	0.609	0.242	0.48	0.49243599	8
Grn	2.01E-05	-0.284	0.428	0.647	0.498546877	8
Adss	2.06E-05	0.603	0.229	0.452	0.510849691	8
Cd63	2.07E-05	0.613	0.498	0.472	0.514492152	8
Sgms1	2.07E-05	0.467	0.159	0.322	0.514944065	8
Srsf7	2.11E-05	0.487	0.315	0.609	0.524049508	8
Gxylt1	2.13E-05	0.544	0.131	0.274	0.528508841	8
Plek	2.22E-05	0.660	0.587	0.71	0.552182967	8
Rtf1	2.39E-05	0.568	0.223	0.437	0.594017833	8
Cd300a	2.54E-05	0.564	0.159	0.321	0.631026967	8
Atp6v0e	2.61E-05	0.281	0.358	0.697	0.648864009	8
Api5	2.70E-05	0.639	0.226	0.446	0.66963295	8
Csnk1e	2.78E-05	1.463	0.315	0.291	0.691165469	8
Nfkb2	2.86E-05	0.447	0.128	0.266	0.710451956	8
Itgb7	2.97E-05	0.273	0.171	0.333	0.737619451	8
Prpf38b	3.06E-05	0.364	0.318	0.611	0.76126969	8
Ergic2	3.15E-05	0.520	0.156	0.313	0.782504607	8
Cnppd1	3.19E-05	0.540	0.223	0.431	0.793325333	8
Sbno1	3.39E-05	0.474	0.269	0.516	0.841367822	8

Baz1a	3.46E-05	0.455	0.3	0.573	0.859819963	8
Rsrp1	3.68E-05	0.745	0.602	0.785	0.914663296	8
Tut7	3.90E-05	0.447	0.26	0.495	0.968117801	8
Traf3	3.98E-05	0.398	0.131	0.267	0.98843416	8
Kdm2a	4.03E-05	0.552	0.211	0.41	1	8
Scaf8	4.06E-05	0.545	0.128	0.264	1	8
Rab11a	4.30E-05	1.411	0.422	0.5	1	8
Notch1	4.32E-05	0.724	0.125	0.257	1	8
Clec4e	4.34E-05	-0.565	0.205	0.348	1	8
Ppp1r18	4.46E-05	0.634	0.272	0.533	1	8
Pafah1b1	4.49E-05	0.269	0.364	0.711	1	8
Amfr	4.78E-05	0.602	0.144	0.29	1	8
Ythdc1	4.80E-05	0.552	0.266	0.512	1	8
Fam111a	4.87E-05	0.387	0.138	0.274	1	8
Plec	5.34E-05	0.485	0.223	0.421	1	8
Wdr89	5.89E-05	0.285	0.346	0.67	1	8
Samsn1	6.02E-05	0.460	0.508	0.508	1	8
Son	6.05E-05	0.793	0.566	0.775	1	8
Gsn	6.07E-05	0.583	0.187	0.364	1	8
Git2	6.63E-05	0.715	0.196	0.377	1	8
Frg1	6.96E-05	0.695	0.199	0.386	1	8
Tomm34	7.03E-05	0.521	0.125	0.254	1	8
Psen1	7.06E-05	0.713	0.235	0.456	1	8
Hsd17b11	7.07E-05	1.424	0.355	0.367	1	8
Nt5c3	7.71E-05	0.517	0.131	0.262	1	8
Ehd1	7.71E-05	0.552	0.223	0.427	1	8
Pias1	7.91E-05	0.694	0.18	0.348	1	8
Cpeb2	8.17E-05	0.571	0.144	0.283	1	8
Stx11	8.52E-05	1.369	0.376	0.381	1	8
Retreg3	8.93E-05	0.507	0.135	0.268	1	8
Srsf6	9.13E-05	0.407	0.333	0.646	1	8
Kdm5a	9.50E-05	0.430	0.135	0.265	1	8
Scaf4	9.80E-05	0.586	0.135	0.268	1	8
Tollip	0.00010112	0.518	0.15	0.294	1	8
Shoc2	0.00010451	0.549	0.128	0.257	1	8
Lcp1	0.00010732	0.641	0.648	0.8	1	8
Fli1	0.00011474	0.592	0.144	0.281	1	8
Hif1a	0.00011531	0.466	0.251	0.465	1	8
Fxyd5	0.00011759	0.559	0.602	0.771	1	8
Tapbp	0.0001186	0.511	0.303	0.576	1	8
Arpc1a	0.00012114	1.103	0.214	0.411	1	8
Mxd1	0.0001266	0.754	0.569	0.7	1	8
Arf4	0.00012696	0.904	0.538	0.734	1	8
Cks2	0.00012811	0.402	0.22	0.403	1	8
Cd84	0.00012855	1.323	0.336	0.336	1	8
Prpf4b	0.00013122	0.603	0.183	0.348	1	8

Zmynd11	0.00013722	0.645	0.165	0.317	1	8
Rap1b	0.00014639	0.515	0.654	0.863	1	8
Gmfb	0.00014705	0.590	0.159	0.307	1	8
Neu1	0.00015334	0.494	0.162	0.309	1	8
Prkcd	0.00015409	0.493	0.315	0.592	1	8
Pdzd8	0.00016203	0.578	0.138	0.268	1	8
Etf1	0.00016231	0.461	0.352	0.679	1	8
Spi1	0.00016525	0.411	0.318	0.58	1	8
Fubp1	0.00017144	0.692	0.187	0.351	1	8
Csrp1	0.00020252	0.451	0.162	0.305	1	8
Ankrd44	0.00020626	1.413	0.306	0.292	1	8
Clec12a	0.00022893	0.412	0.144	0.275	1	8
Syf2	0.00024569	0.651	0.303	0.573	1	8
Aldh2	0.00024869	0.581	0.187	0.349	1	8
Ddx46	0.00028206	0.707	0.18	0.337	1	8
Man1a	0.00030812	0.632	0.223	0.412	1	8
Csde1	0.00033971	0.307	0.391	0.744	1	8
Dcaf12	0.00034207	0.778	0.168	0.316	1	8
Tacc1	0.00035104	0.646	0.223	0.411	1	8
BC005537	0.00035726	0.388	0.391	0.738	1	8
Gclc	0.00037033	0.628	0.162	0.3	1	8
Mrps28	0.00038448	0.769	0.138	0.261	1	8
Rbms1	0.00041396	0.346	0.379	0.686	1	8
Lfng	0.00043086	0.554	0.287	0.524	1	8
Rnf130	0.00043345	0.595	0.232	0.431	1	8
Tuba4a	0.00050895	0.620	0.162	0.299	1	8
Dennd4a	0.00053248	1.166	0.44	0.53	1	8
Lrrfip2	0.00054154	0.744	0.19	0.346	1	8
Ptpn7	0.00054207	1.405	0.251	0.221	1	8
Sirt1	0.00054973	0.584	0.174	0.317	1	8
Wac	0.00056347	0.439	0.315	0.58	1	8
Tcp1l12	0.00057191	1.410	0.309	0.3	1	8
Tmod3	0.00058542	0.680	0.287	0.536	1	8
Vps37b	0.00063447	0.312	0.379	0.639	1	8
Chmp4b	0.00064139	0.333	0.404	0.756	1	8
Smarcd2	0.00067583	0.824	0.165	0.304	1	8
Snrnp70	0.00068725	0.582	0.291	0.537	1	8
Ehbp111	0.0008423	1.498	0.315	0.32	1	8
Cd164	0.00084801	0.310	0.361	0.645	1	8
Lgals3	0.00084959	-0.537	0.813	0.812	1	8
Wapl	0.00085817	0.699	0.239	0.432	1	8
Osbp19	0.00087285	1.463	0.373	0.423	1	8
Noct	0.00092901	1.258	0.355	0.377	1	8
Lamp2	0.00094394	1.048	0.468	0.601	1	8
Gpi1	0.00094596	0.277	0.364	0.651	1	8
Kat6a	0.00095048	0.659	0.187	0.336	1	8



Tagln2	0.00098447	0.493	0.639	0.754	1	8
Lst1	0.00099645	0.462	0.187	0.33	1	8
Ep300	0.00110004	0.700	0.263	0.476	1	8
Cdk11b	0.0011211	0.649	0.272	0.488	1	8
Kdm5c	0.00119229	0.715	0.232	0.418	1	8
AB124611	0.0012357	0.596	0.138	0.251	1	8
Notch2	0.00129311	1.353	0.339	0.362	1	8
Adgre5	0.00131328	1.135	0.306	0.303	1	8
Arhgap30	0.00131684	1.361	0.339	0.365	1	8
Agpat4	0.00146066	1.386	0.33	0.35	1	8
Ccr1	0.00160825	0.393	0.477	0.509	1	8
Rbm3	0.00173411	0.332	0.398	0.725	1	8
Gls	0.00173599	0.938	0.511	0.697	1	8
Ftl1-ps1	0.001846	0.370	0.709	0.834	1	8
Ptbp3	0.00190709	0.280	0.401	0.737	1	8
Ppp6r1	0.00208132	0.711	0.141	0.25	1	8
Leng8	0.00209011	1.331	0.324	0.341	1	8
Ddx17	0.00212384	1.169	0.428	0.547	1	8
Tmem43	0.00216792	0.576	0.15	0.265	1	8
Ppp6r3	0.00221124	0.649	0.144	0.254	1	8
Adgre1	0.00222516	0.956	0.306	0.297	1	8
Drap1	0.00263899	1.436	0.376	0.45	1	8
Far1	0.00264608	0.739	0.205	0.359	1	8
Tln1	0.00272917	0.469	0.379	0.689	1	8
Plac8	0.00283463	-0.361	0.214	0.313	1	8
Myadm	0.0028698	0.583	0.242	0.417	1	8
Map2k4	0.00289709	0.686	0.187	0.324	1	8
Safb	0.00291242	0.678	0.174	0.302	1	8
Ski	0.00307067	0.714	0.239	0.416	1	8
Hbp1	0.00314627	0.748	0.22	0.381	1	8
Herpud1	0.00318595	1.246	0.425	0.521	1	8
Tmed5	0.00322832	0.592	0.336	0.608	1	8
Cnbp	0.00333818	0.489	0.602	0.795	1	8
Fam49b	0.00365731	0.533	0.343	0.619	1	8
Vsir	0.00374942	0.711	0.217	0.375	1	8
Pim1	0.00406452	0.283	0.81	0.943	1	8
Prr13	0.00410508	1.143	0.437	0.574	1	8
Ppp3ca	0.00413758	0.664	0.251	0.436	1	8
Bach1	0.00414619	0.435	0.309	0.524	1	8
Cd300ld	0.0042378	1.161	0.251	0.235	1	8
Paip2	0.00437657	0.790	0.263	0.462	1	8
Srrm1	0.00458854	0.401	0.394	0.709	1	8
Usp7	0.00488989	0.593	0.3	0.526	1	8
Itgax	0.00516305	0.551	0.153	0.257	1	8
Txnrd1	0.00528897	0.616	0.254	0.434	1	8
Pcbp2	0.00555995	0.575	0.569	0.82	1	8

Cybb	0.00629003	0.621	0.407	0.413	1	8
Fcgr3	0.00633713	0.721	0.44	0.507	1	8
Wdr1	0.00658202	0.621	0.306	0.545	1	8
Neat1	0.00674395	0.634	0.22	0.356	1	8
Ell2	0.0070633	0.652	0.266	0.447	1	8
Gdi1	0.00720531	0.652	0.15	0.252	1	8
Mapkapk2	0.0075051	0.789	0.349	0.627	1	8
Kmt2d	0.00787131	0.671	0.183	0.305	1	8
Cltc	0.00799734	0.692	0.563	0.807	1	8
Ivns1abp	0.00836398	0.709	0.254	0.428	1	8
Med13	0.00871704	0.627	0.278	0.475	1	8
Jak1	0.00898028	0.398	0.394	0.69	1	8
Mafg	0.00901007	0.708	0.263	0.446	1	8
Stag2	0.00928843	0.701	0.19	0.315	1	8
Atf1	0.00934621	0.713	0.254	0.432	1	8
Ppp1r12a	0.00935356	0.576	0.327	0.57	1	8
Ngdn	0.00944853	0.756	0.159	0.266	1	8
Epc1	0.00974965	0.769	0.217	0.363	1	8
Tspan13	0.00984671	0.989	0.361	0.405	1	8
Fscn1	0	5.389	0.85	0.031	0	9
Ccl22	0	4.559	0.817	0.045	0	9
Tbc1d4	0	4.433	0.937	0.098	0	9
Ccr7	0	4.282	0.967	0.119	0	9
Cacnb3	0	3.824	0.917	0.021	0	9
Il12b	0	2.891	0.306	0.004	0	9
Mmp25	0	2.831	0.827	0.065	0	9
Cd200	0	2.467	0.711	0.042	0	9
Mreg	0	2.410	0.867	0.075	0	9
Socs2	0	2.372	0.767	0.085	0	9
Sema7a	0	2.345	0.804	0.092	0	9
Rogdi	0	1.805	0.744	0.047	0	9
H2-Eb2	0	1.571	0.495	0.011	0	9
Adcy6	0	1.552	0.578	0.009	0	9
Il4i1	0	1.532	0.615	0.011	0	9
Strip2	0	1.364	0.535	0.012	0	9
Lad1	0	1.359	0.435	0.011	0	9
Gm13546	0	1.241	0.435	0.006	0	9
Slco5a1	5.49E-297	0.705	0.259	0.002	1.36E-292	9
Ly75	7.26E-297	2.116	0.724	0.078	1.80E-292	9
Flt3	9.08E-293	1.542	0.618	0.051	2.26E-288	9
Serpib6b	3.04E-278	2.716	0.711	0.082	7.54E-274	9
Poglut1	4.01E-276	1.611	0.671	0.074	9.96E-272	9
Serpib9	1.37E-256	3.192	0.917	0.187	3.41E-252	9
Tbc1d8	1.13E-255	1.342	0.621	0.062	2.81E-251	9
Arhgef40	4.25E-238	0.892	0.375	0.019	1.05E-233	9
Stat4	3.59E-236	1.794	0.718	0.099	8.91E-232	9

Foxp4	2.36E-223	1.772	0.777	0.134	5.86E-219	9
Tmem39a	5.59E-220	2.007	0.744	0.126	1.39E-215	9
Bcl2l14	6.57E-219	1.503	0.299	0.011	1.63E-214	9
Arl5c	3.55E-216	1.626	0.764	0.127	8.83E-212	9
Slc4a8	1.07E-214	1.626	0.402	0.027	2.66E-210	9
Il15ra	1.72E-214	1.166	0.435	0.033	4.28E-210	9
Ktn1	3.75E-211	2.344	0.854	0.192	9.30E-207	9
Rras2	8.53E-209	1.196	0.578	0.069	2.12E-204	9
Zbtb46	7.27E-202	1.142	0.542	0.06	1.80E-197	9
Tmem176a	7.63E-201	2.043	0.751	0.136	1.89E-196	9
Glipr2	6.16E-198	1.665	0.615	0.087	1.53E-193	9
Adam23	7.06E-194	0.925	0.319	0.017	1.75E-189	9
Cd40	8.18E-190	1.917	0.698	0.125	2.03E-185	9
Adgrg6	4.65E-188	1.187	0.472	0.049	1.16E-183	9
Fnbp11	1.55E-187	1.335	0.601	0.086	3.84E-183	9
Npr1	3.70E-183	1.174	0.269	0.012	9.20E-179	9
Sinhcaf	3.66E-182	1.455	0.645	0.103	9.10E-178	9
Lsp1	2.56E-178	2.616	0.983	0.505	6.36E-174	9
Spint2	9.71E-177	1.137	0.548	0.071	2.41E-172	9
Relb	5.21E-174	1.518	0.774	0.168	1.30E-169	9
Grasp	1.04E-173	1.310	0.595	0.087	2.58E-169	9
Ccser2	1.40E-173	1.796	0.781	0.182	3.47E-169	9
Ramp3	1.59E-171	2.149	0.847	0.216	3.95E-167	9
Myo1g	2.79E-169	2.154	0.944	0.359	6.92E-165	9
Marcks	3.78E-168	2.746	0.983	0.534	9.39E-164	9
Syng2	6.22E-166	2.473	0.953	0.467	1.54E-161	9
Itga4	1.99E-165	2.301	0.86	0.269	4.95E-161	9
Snn	1.82E-164	0.691	0.279	0.016	4.51E-160	9
Tnfrsf4	4.86E-164	1.616	0.372	0.032	1.21E-159	9
Tmem123	1.96E-162	3.280	0.947	0.526	4.87E-158	9
Sh3bp4	3.23E-162	0.831	0.395	0.038	8.03E-158	9
Zmynd15	5.25E-161	1.573	0.495	0.066	1.30E-156	9
Tspan33	1.63E-160	1.102	0.465	0.057	4.05E-156	9
Swap70	2.23E-155	2.006	0.837	0.254	5.55E-151	9
Dnah2	6.03E-155	1.109	0.339	0.028	1.50E-150	9
Slc27a3	1.55E-154	0.752	0.256	0.014	3.85E-150	9
Mkl1	3.28E-153	1.240	0.654	0.127	8.15E-149	9
Traf1	2.97E-152	1.823	0.95	0.353	7.37E-148	9
Pcgf5	7.12E-152	1.834	0.887	0.303	1.77E-147	9
Scin	1.06E-151	1.595	0.352	0.032	2.63E-147	9
Nr4a3	2.02E-151	2.647	0.944	0.468	5.01E-147	9
Map3k14	2.32E-150	1.122	0.575	0.091	5.77E-146	9
Ptger4	9.05E-150	1.590	0.767	0.185	2.25E-145	9
Samsn1	7.00E-149	2.506	0.967	0.486	1.74E-144	9
Birc2	7.15E-149	1.644	0.821	0.217	1.78E-144	9
Tmem176b	8.62E-148	1.741	0.757	0.183	2.14E-143	9

Map4k4	1.75E-144	2.237	0.963	0.526	4.35E-140	9
Tmsb4x	5.52E-144	1.695	0.993	0.971	1.37E-139	9
Iscu	2.46E-143	1.677	0.847	0.287	6.11E-139	9
Cxcl16	3.51E-142	1.886	0.937	0.369	8.72E-138	9
Gnb4	2.11E-141	1.206	0.415	0.051	5.23E-137	9
Pik3r1	2.29E-141	2.269	0.907	0.395	5.68E-137	9
Cnn2	2.66E-141	2.050	0.917	0.398	6.60E-137	9
Spsb1	4.60E-141	1.047	0.458	0.061	1.14E-136	9
Plxnc1	7.65E-138	1.593	0.728	0.191	1.90E-133	9
Ccl5	1.56E-137	3.201	0.741	0.189	3.87E-133	9
Cst3	2.13E-137	2.629	0.997	0.783	5.30E-133	9
Ccdc88a	4.41E-137	1.969	0.824	0.272	1.10E-132	9
Clic4	3.06E-136	2.236	0.96	0.605	7.61E-132	9
Hsf2	6.57E-135	1.157	0.548	0.098	1.63E-130	9
Plscr1	2.31E-134	1.885	0.684	0.174	5.75E-130	9
Car2	7.41E-134	0.960	0.306	0.026	1.84E-129	9
Ogfr1	2.09E-133	1.987	0.757	0.233	5.18E-129	9
Etv3	2.62E-133	1.998	0.94	0.465	6.50E-129	9
Cd83	2.64E-130	1.820	0.937	0.402	6.55E-126	9
Tmtc2	3.70E-130	0.716	0.279	0.022	9.20E-126	9
Ccl17	1.97E-129	1.772	0.316	0.029	4.91E-125	9
Lactb	2.34E-127	1.853	0.787	0.279	5.81E-123	9
Tmem131l	3.92E-126	0.990	0.505	0.084	9.74E-122	9
Zbtb18	6.48E-126	1.497	0.714	0.193	1.61E-121	9
Papss2	1.99E-123	0.833	0.336	0.037	4.94E-119	9
Calm1	6.63E-121	1.971	0.99	0.916	1.65E-116	9
Tspan3	8.27E-120	2.171	0.817	0.313	2.06E-115	9
Fam49a	3.92E-119	1.119	0.571	0.121	9.74E-115	9
Nostrin	2.38E-118	1.061	0.372	0.049	5.90E-114	9
Rel	3.54E-118	1.743	0.963	0.568	8.80E-114	9
Filip1l	4.24E-118	1.616	0.711	0.2	1.05E-113	9
Tmem131	7.86E-118	1.740	0.761	0.261	1.95E-113	9
Bcl2a1d	4.35E-117	1.710	0.867	0.369	1.08E-112	9
Marcks1l	1.84E-116	1.725	0.95	0.538	4.58E-112	9
Rassf2	2.78E-116	1.343	0.767	0.245	6.91E-112	9
Actb	5.81E-116	1.364	0.993	0.99	1.44E-111	9
Actn1	1.03E-114	2.430	0.711	0.231	2.55E-110	9
Lrrk1	7.97E-114	0.745	0.369	0.049	1.98E-109	9
Grk3	9.83E-114	1.004	0.532	0.104	2.44E-109	9
St8sia4	5.64E-113	1.455	0.804	0.279	1.40E-108	9
Sema4a	6.16E-113	1.267	0.674	0.176	1.53E-108	9
Dpp4	2.89E-112	0.817	0.472	0.081	7.17E-108	9
Eno3	5.64E-112	0.951	0.339	0.042	1.40E-107	9
Psme2	3.74E-111	1.693	0.837	0.382	9.29E-107	9
App1l	1.69E-110	1.487	0.761	0.252	4.20E-106	9
Ncoa7	4.30E-110	2.147	0.595	0.152	1.07E-105	9

Rftn1	5.55E-109	1.361	0.777	0.281	1.38E-104	9
Adora2a	1.67E-106	0.891	0.555	0.113	4.14E-102	9
Slc41a1	2.48E-105	0.896	0.402	0.063	6.15E-101	9
Cytip	5.37E-105	1.653	0.96	0.644	1.33E-100	9
Stxbp6	7.62E-105	0.795	0.329	0.042	1.89E-100	9
Bcl2a1a	6.94E-103	1.286	0.674	0.197	1.72E-98	9
Gypc	2.41E-102	0.764	0.319	0.041	5.98E-98	9
Dnajc12	6.96E-102	0.945	0.458	0.088	1.73E-97	9
Csrp1	2.36E-101	1.481	0.761	0.276	5.86E-97	9
Rps27l	1.56E-100	1.770	0.864	0.451	3.87E-96	9
Net1	1.53E-99	1.613	0.558	0.14	3.79E-95	9
Kif21b	1.65E-99	1.074	0.571	0.137	4.10E-95	9
Jak2	6.82E-99	1.459	0.904	0.416	1.69E-94	9
Crip1	8.37E-99	1.805	0.96	0.669	2.08E-94	9
Hmgn3	3.26E-98	0.823	0.342	0.049	8.10E-94	9
Lrp8	7.94E-98	0.973	0.336	0.047	1.97E-93	9
Cmc2	1.09E-97	1.172	0.465	0.098	2.71E-93	9
Zfp36l2	4.16E-96	-2.715	0.213	0.799	1.03E-91	9
Cebpb	5.21E-96	-2.809	0.246	0.807	1.29E-91	9
Tmem120b	3.86E-95	0.782	0.385	0.065	9.59E-91	9
Sepsecs	5.85E-95	0.692	0.282	0.033	1.45E-90	9
Mllt6	7.23E-95	1.170	0.751	0.25	1.80E-90	9
Cd80	4.75E-93	1.311	0.708	0.23	1.18E-88	9
Htr7	4.98E-93	0.641	0.395	0.067	1.24E-88	9
Fam129a	2.17E-92	1.337	0.714	0.25	5.38E-88	9
Fchsd2	3.49E-92	0.922	0.478	0.104	8.67E-88	9
Rabgap1l	6.07E-92	0.874	0.535	0.123	1.51E-87	9
Bmp2k	6.11E-92	1.447	0.804	0.35	1.52E-87	9
Aebp2	6.53E-92	1.238	0.88	0.4	1.62E-87	9
Tpm1	1.43E-91	1.270	0.668	0.216	3.55E-87	9
Arc	1.71E-91	0.941	0.422	0.078	4.26E-87	9
Prnp	3.49E-91	1.771	0.455	0.097	8.66E-87	9
Pkib	6.05E-91	1.439	0.581	0.169	1.50E-86	9
Map3k1	1.43E-90	1.449	0.794	0.344	3.56E-86	9
Anxa3	2.65E-90	1.398	0.648	0.21	6.59E-86	9
Gyg	7.13E-90	2.136	0.738	0.305	1.77E-85	9
Rcsd1	2.91E-89	1.082	0.535	0.134	7.22E-85	9
Rab21	4.74E-88	1.340	0.88	0.479	1.18E-83	9
Wnk1	1.22E-87	1.434	0.96	0.702	3.03E-83	9
Dennd5a	1.53E-87	1.164	0.807	0.332	3.80E-83	9
Tnfaip8	2.53E-87	1.423	0.824	0.383	6.29E-83	9
Smurf1	2.78E-87	0.756	0.468	0.104	6.90E-83	9
Ctnna1	1.15E-86	1.690	0.807	0.397	2.86E-82	9
Il21r	1.31E-85	1.238	0.694	0.226	3.26E-81	9
Cd53	1.76E-85	-2.092	0.399	0.83	4.37E-81	9
Arl5a	8.03E-85	1.256	0.807	0.367	1.99E-80	9

H2-Q6	3.12E-83	1.229	0.92	0.4	7.74E-79	9
Cd1d1	9.00E-83	0.774	0.286	0.04	2.24E-78	9
P2ry10	1.29E-81	0.880	0.784	0.253	3.20E-77	9
Nav1	2.82E-80	0.970	0.542	0.151	6.99E-76	9
Psme1	1.72E-79	1.326	0.907	0.575	4.27E-75	9
Stat5a	1.90E-79	0.992	0.558	0.152	4.73E-75	9
Fxyd5	4.28E-79	-1.859	0.299	0.785	1.06E-74	9
Spred1	4.83E-79	1.077	0.618	0.206	1.20E-74	9
Psmb8	5.09E-79	1.336	0.924	0.563	1.26E-74	9
Mfhas1	6.48E-79	0.956	0.488	0.128	1.61E-74	9
Flrt3	1.18E-78	1.558	0.751	0.291	2.94E-74	9
Sdcbp	1.76E-78	-1.913	0.565	0.831	4.37E-74	9
Ikbkb	1.91E-78	1.182	0.784	0.336	4.74E-74	9
Arf4	1.99E-78	1.243	0.93	0.714	4.93E-74	9
Fth1	3.11E-78	-2.342	0.977	0.984	7.72E-74	9
Specc1	4.03E-78	1.283	0.492	0.132	1.00E-73	9
Ptms	9.66E-78	1.270	0.967	0.659	2.40E-73	9
Itgb2	1.67E-77	-1.984	0.209	0.726	4.14E-73	9
Zc3h12c	5.08E-77	0.960	0.449	0.105	1.26E-72	9
Psme2b	1.71E-76	0.814	0.538	0.155	4.25E-72	9
Bcl2a1b	3.89E-76	1.032	0.694	0.257	9.65E-72	9
Nrp2	3.98E-76	1.694	0.605	0.21	9.87E-72	9
Rap2a	4.14E-76	1.215	0.744	0.311	1.03E-71	9
Ube2l6	2.95E-75	1.313	0.621	0.222	7.33E-71	9
Stk4	4.42E-75	1.178	0.841	0.418	1.10E-70	9
Apobec3	1.78E-74	1.058	0.664	0.238	4.43E-70	9
Plaur	6.17E-74	-2.759	0.166	0.698	1.53E-69	9
Pdcd1lg2	6.60E-74	0.912	0.512	0.136	1.64E-69	9
Avpi1	1.21E-73	0.612	0.322	0.057	3.01E-69	9
Gpr132	1.75E-73	1.138	0.953	0.556	4.34E-69	9
Cd63	2.05E-73	1.416	0.88	0.453	5.09E-69	9
Pgap2	4.85E-73	1.079	0.641	0.243	1.20E-68	9
Epb41	6.41E-73	1.205	0.681	0.259	1.59E-68	9
Mtmr4	1.38E-72	0.827	0.359	0.072	3.43E-68	9
Selplg	1.65E-72	1.216	0.887	0.523	4.10E-68	9
Ift57	6.38E-72	0.502	0.316	0.055	1.59E-67	9
Klrk1	1.18E-71	0.745	0.472	0.116	2.93E-67	9
Ssh1	1.82E-71	0.823	0.449	0.111	4.51E-67	9
Nuak2	2.15E-71	1.064	0.767	0.32	5.33E-67	9
Idi1	2.43E-71	1.423	0.635	0.223	6.03E-67	9
Ccdc50	3.12E-71	1.245	0.714	0.314	7.75E-67	9
Ece1	6.59E-71	0.826	0.565	0.168	1.64E-66	9
Ttyh3	7.45E-71	1.273	0.708	0.309	1.85E-66	9
Tagln2	2.88E-70	1.475	0.95	0.739	7.16E-66	9
B4galnt1	2.85E-69	1.097	0.708	0.295	7.08E-65	9
Procr	3.19E-69	1.449	0.382	0.087	7.93E-65	9

Tuba1a	4.32E-69	1.428	0.741	0.349	1.07E-64	9
Nfkbib	5.08E-69	1.095	0.877	0.505	1.26E-64	9
Pmvk	7.42E-69	0.976	0.475	0.133	1.84E-64	9
Ncf1	2.75E-68	0.967	0.664	0.249	6.84E-64	9
Cbfa2t3	1.97E-67	1.263	0.748	0.308	4.90E-63	9
H2-Q7	3.02E-67	1.038	0.87	0.406	7.50E-63	9
Rassf3	3.82E-67	1.159	0.824	0.423	9.48E-63	9
Stat1	6.21E-67	1.188	0.774	0.363	1.54E-62	9
Cpne2	6.88E-67	1.078	0.635	0.244	1.71E-62	9
Uap1	2.58E-66	1.731	0.704	0.322	6.42E-62	9
Smarce1	4.91E-66	1.124	0.724	0.342	1.22E-61	9
Actg1	2.57E-65	0.966	0.987	0.968	6.39E-61	9
Btla	2.73E-65	0.540	0.286	0.048	6.79E-61	9
Basp1	3.02E-65	1.016	0.983	0.715	7.50E-61	9
Rab8b	8.53E-65	1.157	0.94	0.755	2.12E-60	9
Cd86	1.14E-63	1.204	0.777	0.365	2.84E-59	9
Ncoa4	2.03E-63	1.050	0.664	0.27	5.03E-59	9
Zmiz2	2.15E-63	0.875	0.625	0.232	5.34E-59	9
Ccdc6	2.37E-63	0.926	0.505	0.161	5.89E-59	9
Rps19	2.70E-63	0.935	0.97	0.785	6.71E-59	9
Gbp5	3.06E-63	0.707	0.309	0.059	7.61E-59	9
Cd44	3.47E-63	-1.766	0.442	0.826	8.62E-59	9
Siglecg	9.67E-62	0.544	0.279	0.047	2.40E-57	9
AA467197	1.48E-61	1.019	0.551	0.173	3.68E-57	9
Ctsb	7.75E-61	-2.764	0.831	0.852	1.92E-56	9
Chp1	8.14E-61	1.161	0.847	0.502	2.02E-56	9
Wdr1	1.73E-60	1.047	0.85	0.517	4.31E-56	9
Kcnk6	2.50E-60	0.718	0.409	0.107	6.20E-56	9
Ly6e	2.56E-60	-1.980	0.336	0.758	6.35E-56	9
Kdm4a	3.10E-60	1.018	0.419	0.115	7.71E-56	9
Fabp5	1.59E-59	1.801	0.844	0.519	3.95E-55	9
Sema4c	5.25E-59	0.509	0.272	0.048	1.31E-54	9
Vdr	8.20E-59	1.205	0.532	0.175	2.04E-54	9
Gcnt2	8.55E-59	0.739	0.512	0.153	2.12E-54	9
Tank	9.99E-59	0.945	0.698	0.303	2.48E-54	9
Prex1	1.22E-58	1.018	0.691	0.31	3.02E-54	9
Dapp1	1.49E-58	0.775	0.585	0.212	3.70E-54	9
Traf3	1.63E-58	0.950	0.621	0.243	4.04E-54	9
Myh9	3.86E-58	0.994	0.92	0.657	9.58E-54	9
Sdhaf1	6.76E-58	0.672	0.442	0.124	1.68E-53	9
Lmna	9.27E-58	-1.925	0.176	0.635	2.30E-53	9
Clec2d	5.67E-57	0.910	0.641	0.254	1.41E-52	9
Cd68	5.70E-57	-2.328	0.252	0.659	1.42E-52	9
Gfpt1	7.40E-57	0.987	0.784	0.385	1.84E-52	9
Id2	1.00E-56	1.184	0.947	0.734	2.49E-52	9
Lpcat1	1.52E-56	0.847	0.492	0.161	3.77E-52	9

Lnx2	4.25E-56	0.622	0.429	0.119	1.06E-51	9
Trim35	4.31E-56	1.034	0.571	0.217	1.07E-51	9
Vopp1	6.34E-56	0.754	0.395	0.107	1.58E-51	9
Myl6	9.98E-56	0.862	0.953	0.839	2.48E-51	9
Tmcc3	2.78E-55	0.782	0.475	0.148	6.90E-51	9
Rhof	3.71E-55	0.921	0.532	0.171	9.21E-51	9
4930523C07Rik	8.04E-55	0.714	0.588	0.206	2.00E-50	9
Gpr137b	2.95E-54	0.971	0.714	0.326	7.33E-50	9
Apaf1	4.14E-54	0.920	0.645	0.275	1.03E-49	9
Ctsd	4.63E-54	-2.254	0.173	0.606	1.15E-49	9
Zc3h7b	5.75E-54	0.695	0.309	0.071	1.43E-49	9
Tmem8	9.08E-54	0.562	0.372	0.095	2.26E-49	9
Fcgr3	2.67E-53	-2.034	0.056	0.526	6.64E-49	9
Alox5ap	4.35E-53	-2.049	0.203	0.623	1.08E-48	9
Synj1	7.96E-53	1.088	0.781	0.426	1.98E-48	9
Etv6	1.85E-52	0.794	0.671	0.291	4.60E-48	9
Nfkb2	1.99E-52	0.719	0.618	0.241	4.95E-48	9
Ppfibp2	2.25E-52	0.756	0.349	0.089	5.58E-48	9
Gpr183	3.69E-52	1.578	0.492	0.175	9.17E-48	9
Dnajc10	5.25E-52	0.718	0.485	0.17	1.30E-47	9
Plin2	7.01E-52	-2.128	0.262	0.643	1.74E-47	9
Castor2	7.91E-52	0.556	0.329	0.079	1.96E-47	9
Ddx6	1.23E-51	0.954	0.904	0.684	3.05E-47	9
Il2ra	5.48E-51	0.616	0.425	0.115	1.36E-46	9
Nudt9	7.73E-51	1.015	0.465	0.166	1.92E-46	9
Phlpp1	8.70E-51	0.783	0.542	0.197	2.16E-46	9
Pkm	1.33E-50	-1.315	0.724	0.852	3.29E-46	9
Arap2	1.37E-50	0.842	0.465	0.147	3.41E-46	9
Zhx2	1.42E-50	0.430	0.299	0.064	3.53E-46	9
Fyb	2.07E-50	-1.742	0.299	0.671	5.15E-46	9
Mthfd2	2.13E-50	0.922	0.591	0.248	5.29E-46	9
Tmem189	2.65E-50	-1.614	0.252	0.645	6.57E-46	9
Hmox1	2.76E-50	-2.914	0.136	0.569	6.86E-46	9
N4bp2l1	4.23E-50	0.712	0.575	0.216	1.05E-45	9
Htra2	4.28E-50	0.771	0.422	0.132	1.06E-45	9
Tspo	4.32E-50	1.059	0.85	0.556	1.07E-45	9
Nhlrc2	1.03E-49	0.798	0.439	0.142	2.56E-45	9
Tbl1x	1.05E-49	0.949	0.638	0.291	2.61E-45	9
Traf6	1.23E-49	0.713	0.548	0.209	3.07E-45	9
Tmem63b	2.68E-49	0.579	0.282	0.061	6.66E-45	9
Polb	2.74E-49	0.632	0.392	0.114	6.81E-45	9
Stxbp3	3.67E-49	0.894	0.595	0.253	9.12E-45	9
Pde4b	5.66E-49	0.879	0.904	0.546	1.41E-44	9
Ccr1	8.10E-49	-2.296	0.076	0.529	2.01E-44	9
Fcer1g	8.24E-49	-1.936	0.628	0.754	2.05E-44	9
Sri	2.03E-48	0.884	0.708	0.388	5.03E-44	9



Ghitm	3.40E-48	0.911	0.857	0.575	8.45E-44	9
Rap2b	3.68E-48	1.504	0.698	0.384	9.14E-44	9
Cd47	4.49E-48	0.870	0.914	0.635	1.11E-43	9
Itgam	4.65E-48	-2.036	0.073	0.507	1.15E-43	9
Cblb	1.24E-47	0.778	0.631	0.272	3.07E-43	9
Pvr	5.16E-47	1.008	0.731	0.379	1.28E-42	9
Acadm	6.05E-47	0.986	0.512	0.211	1.50E-42	9
H2-Aa	9.42E-47	1.071	0.934	0.632	2.34E-42	9
Tpm4	1.42E-46	0.929	0.831	0.536	3.53E-42	9
Emilin2	2.44E-46	-1.811	0.203	0.603	6.07E-42	9
Itgb1	3.02E-46	0.915	0.857	0.56	7.49E-42	9
Tspan13	6.03E-46	0.947	0.751	0.386	1.50E-41	9
Pfkfb3	8.03E-46	1.055	0.664	0.317	2.00E-41	9
Lyz2	1.13E-45	-3.929	0.292	0.618	2.82E-41	9
Lgals1	1.18E-45	-1.755	0.455	0.717	2.92E-41	9
Thap2	1.18E-45	0.799	0.468	0.17	2.93E-41	9
Mif4gd	1.49E-45	0.731	0.645	0.296	3.70E-41	9
Tpd52	2.94E-45	-1.677	0.339	0.654	7.29E-41	9
Herpud1	4.27E-45	0.975	0.821	0.502	1.06E-40	9
Cers6	4.77E-45	0.757	0.591	0.253	1.18E-40	9
Pdpf	5.21E-45	0.740	0.402	0.13	1.29E-40	9
Cd14	6.56E-45	-2.455	0.336	0.662	1.63E-40	9
Kdm2b	7.43E-45	0.656	0.585	0.225	1.85E-40	9
H2-DMb2	9.29E-45	1.118	0.402	0.127	2.31E-40	9
Capg	1.11E-44	-1.614	0.173	0.559	2.76E-40	9
Tapbp	1.17E-44	0.989	0.854	0.548	2.90E-40	9
Zbtb10	1.29E-44	0.466	0.259	0.056	3.20E-40	9
Pdlim4	1.41E-44	0.611	0.289	0.071	3.49E-40	9
Atox1	1.76E-44	0.868	0.854	0.523	4.38E-40	9
Mvp	1.84E-44	0.750	0.551	0.236	4.56E-40	9
Ifi209	1.98E-44	0.671	0.518	0.193	4.91E-40	9
Wnt11	2.38E-44	0.643	0.409	0.122	5.90E-40	9
Rgs10	2.84E-44	1.157	0.704	0.405	7.05E-40	9
Cfl1	3.68E-44	0.578	0.987	0.964	9.15E-40	9
Lima1	3.70E-44	1.186	0.465	0.18	9.19E-40	9
H2afz	6.35E-44	0.992	0.973	0.827	1.58E-39	9
P4hb	7.03E-44	-1.357	0.472	0.723	1.75E-39	9
Sav1	9.12E-44	0.769	0.625	0.293	2.27E-39	9
Anxa2	9.25E-44	0.983	0.953	0.705	2.30E-39	9
Trib1	1.00E-43	-1.934	0.223	0.623	2.50E-39	9
Ube2e3	1.04E-43	0.782	0.645	0.308	2.58E-39	9
Psmg4	1.04E-43	0.812	0.512	0.212	2.58E-39	9
Nrde2	1.14E-43	0.546	0.272	0.064	2.84E-39	9
Helz2	2.26E-43	0.791	0.439	0.147	5.61E-39	9
Ccl6	3.98E-43	-3.387	0.193	0.558	9.88E-39	9
Dph5	4.09E-43	0.415	0.269	0.063	1.02E-38	9

Rasa2	4.30E-43	1.071	0.611	0.28	1.07E-38	9
Cxcl2	5.57E-43	-4.337	0.349	0.673	1.38E-38	9
Fam129b	7.85E-43	-1.581	0.173	0.557	1.95E-38	9
Laptm5	8.98E-43	-1.043	0.811	0.864	2.23E-38	9
Por	9.60E-43	-1.495	0.153	0.548	2.39E-38	9
Gpd2	1.09E-42	1.046	0.595	0.281	2.71E-38	9
Hspa5	1.10E-42	-0.998	0.977	0.957	2.72E-38	9
Casc3	2.03E-42	0.698	0.551	0.231	5.05E-38	9
Dynll2	4.41E-42	0.859	0.575	0.263	1.09E-37	9
Atp11a	4.96E-42	0.480	0.342	0.098	1.23E-37	9
Icam1	5.40E-42	0.931	0.711	0.368	1.34E-37	9
Rac2	7.29E-42	-1.475	0.216	0.604	1.81E-37	9
Nfkb1	8.07E-42	0.750	0.89	0.63	2.00E-37	9
Spr	2.09E-41	0.578	0.365	0.117	5.18E-37	9
Ass1	2.28E-41	0.864	0.565	0.237	5.66E-37	9
Crybg1	2.30E-41	0.750	0.595	0.261	5.72E-37	9
Bhlhe40	2.66E-41	0.825	0.934	0.691	6.61E-37	9
Fnip2	2.94E-41	-1.812	0.189	0.555	7.31E-37	9
Ppp4r2	4.66E-41	0.864	0.794	0.518	1.16E-36	9
Mafb	5.57E-41	-2.280	0.056	0.456	1.38E-36	9
Gga2	5.71E-41	0.754	0.342	0.107	1.42E-36	9
Got1	5.96E-41	0.772	0.897	0.636	1.48E-36	9
Txnrd1	7.60E-41	0.809	0.734	0.41	1.89E-36	9
H2-Eb1	9.70E-41	0.954	0.93	0.572	2.41E-36	9
Pigyl	1.09E-40	0.506	0.346	0.105	2.71E-36	9
Epsti1	1.44E-40	1.787	0.561	0.292	3.59E-36	9
Akt3	1.70E-40	0.482	0.332	0.096	4.22E-36	9
Pik3r5	2.91E-40	0.808	0.585	0.26	7.22E-36	9
Adam19	3.73E-40	0.613	0.312	0.087	9.27E-36	9
Prr5l	3.87E-40	0.565	0.336	0.098	9.61E-36	9
Lrrc58	4.77E-40	0.799	0.847	0.588	1.18E-35	9
Clec4d	4.82E-40	-2.725	0.053	0.443	1.20E-35	9
Ext1	5.82E-40	0.849	0.558	0.249	1.45E-35	9
Slc44a1	7.24E-40	0.526	0.306	0.086	1.80E-35	9
Ndrg1	7.37E-40	0.961	0.764	0.435	1.83E-35	9
Ctsl	8.75E-40	-2.417	0.153	0.519	2.17E-35	9
Anxa4	1.01E-39	0.755	0.754	0.402	2.51E-35	9
Maf	1.60E-39	-2.074	0.05	0.432	3.99E-35	9
Emd	1.63E-39	0.692	0.711	0.415	4.05E-35	9
Thbs1	1.80E-39	-3.642	0.219	0.563	4.48E-35	9
Cyth4	2.22E-39	-1.171	0.116	0.517	5.52E-35	9
Fcgr2b	2.94E-39	-1.999	0.173	0.534	7.29E-35	9
Kpna3	3.08E-39	0.921	0.571	0.278	7.64E-35	9
Atmin	3.18E-39	0.665	0.442	0.163	7.89E-35	9
Vim	3.42E-39	-1.464	0.844	0.868	8.49E-35	9
Zfp217	3.84E-39	0.670	0.462	0.174	9.55E-35	9

C5ar1	4.77E-39	-1.861	0.033	0.417	1.19E-34	9
Rrad	4.94E-39	0.736	0.369	0.115	1.23E-34	9
Emb	5.08E-39	-1.903	0.189	0.559	1.26E-34	9
Nrip1	6.58E-39	0.917	0.538	0.231	1.63E-34	9
Rhob	6.87E-39	-2.354	0.216	0.557	1.71E-34	9
Sub1	7.11E-39	0.809	0.9	0.696	1.77E-34	9
Glrx	7.26E-39	-1.545	0.166	0.537	1.80E-34	9
Dennd4a	7.69E-39	0.723	0.86	0.51	1.91E-34	9
Cd74	8.62E-39	0.858	0.983	0.766	2.14E-34	9
Lgals3	1.18E-38	-1.853	0.794	0.813	2.94E-34	9
Hsp90b1	2.25E-38	-1.260	0.728	0.792	5.58E-34	9
Dok1	2.26E-38	0.566	0.359	0.116	5.61E-34	9
Cd164	2.47E-38	-1.319	0.349	0.644	6.14E-34	9
Stat3	4.05E-38	0.735	0.92	0.736	1.01E-33	9
Ostf1	4.68E-38	0.786	0.907	0.649	1.16E-33	9
Usp12	6.85E-38	0.619	0.468	0.184	1.70E-33	9
Cd274	7.26E-38	0.664	0.771	0.414	1.80E-33	9
Rnf157	9.11E-38	0.517	0.355	0.112	2.26E-33	9
Mbtd1	1.04E-37	0.744	0.578	0.269	2.59E-33	9
Emp1	2.32E-37	-1.965	0.14	0.496	5.77E-33	9
Pfn1	2.51E-37	0.613	0.963	0.857	6.22E-33	9
Nlrc5	5.15E-37	0.478	0.432	0.154	1.28E-32	9
Rpsa	6.48E-37	0.672	0.953	0.745	1.61E-32	9
Rab7b	7.08E-37	-1.425	0.063	0.442	1.76E-32	9
Abtb2	7.81E-37	0.685	0.568	0.242	1.94E-32	9
Gprc5a	8.70E-37	0.778	0.369	0.121	2.16E-32	9
Tapbpl	9.00E-37	0.640	0.468	0.184	2.24E-32	9
Csf1r	1.10E-36	-1.503	0.09	0.458	2.74E-32	9
Pbxip1	1.30E-36	0.515	0.449	0.168	3.23E-32	9
Ccr5	2.22E-36	-1.328	0.126	0.508	5.51E-32	9
Gtpbp1	2.85E-36	0.536	0.465	0.185	7.07E-32	9
Fyn	5.53E-36	0.797	0.751	0.446	1.37E-31	9
Grn	5.61E-36	-2.019	0.429	0.646	1.39E-31	9
H2-K1	5.98E-36	0.511	0.993	0.946	1.49E-31	9
Nub1	6.54E-36	0.686	0.498	0.219	1.62E-31	9
Gnai3	7.23E-36	0.753	0.757	0.475	1.80E-31	9
Ggta1	7.55E-36	0.752	0.595	0.294	1.87E-31	9
Pxdc1	7.77E-36	0.692	0.282	0.079	1.93E-31	9
Zfand6	7.86E-36	0.821	0.661	0.369	1.95E-31	9
Gtf2a1	8.11E-36	0.662	0.571	0.268	2.01E-31	9
Prr14	8.35E-36	0.588	0.518	0.223	2.07E-31	9
Ctsa	9.35E-36	-1.494	0.279	0.577	2.32E-31	9
Gnptab	2.38E-35	0.922	0.488	0.214	5.90E-31	9
Rab20	2.55E-35	-1.367	0.047	0.411	6.32E-31	9
Nfat5	4.11E-35	0.672	0.767	0.428	1.02E-30	9
Ahcyl2	4.32E-35	0.737	0.568	0.273	1.07E-30	9

Anxa1	4.47E-35	-1.705	0.096	0.445	1.11E-30	9
Tnfrsf11a	4.83E-35	0.603	0.342	0.115	1.20E-30	9
Chst11	5.42E-35	0.488	0.382	0.129	1.35E-30	9
Calr	7.01E-35	-0.897	0.897	0.872	1.74E-30	9
Ldha	1.29E-34	-1.284	0.518	0.73	3.21E-30	9
Sumo2	1.88E-34	0.718	0.874	0.623	4.68E-30	9
Sh3bp1	3.27E-34	0.691	0.458	0.196	8.13E-30	9
Sp140	4.56E-34	0.876	0.641	0.36	1.13E-29	9
Plxnd1	6.30E-34	0.696	0.395	0.15	1.57E-29	9
Pcyt1a	6.35E-34	1.144	0.711	0.445	1.58E-29	9
Rbpms	7.24E-34	0.468	0.289	0.084	1.80E-29	9
Atl3	1.18E-33	0.552	0.422	0.169	2.92E-29	9
Mob1a	1.33E-33	0.731	0.791	0.538	3.30E-29	9
Arhgef2	1.69E-33	0.527	0.635	0.324	4.19E-29	9
Slc11a1	1.80E-33	-1.222	0.037	0.385	4.47E-29	9
Iffo2	1.81E-33	0.585	0.349	0.119	4.51E-29	9
Lpxn	2.24E-33	-1.015	0.09	0.444	5.56E-29	9
Sod1	2.68E-33	0.800	0.904	0.697	6.65E-29	9
Kdm5c	3.17E-33	0.595	0.711	0.393	7.88E-29	9
Mtmr12	5.10E-33	0.478	0.359	0.124	1.27E-28	9
Tap2	5.11E-33	0.714	0.548	0.265	1.27E-28	9
Gsto1	5.31E-33	0.898	0.638	0.367	1.32E-28	9
Cd300lf	5.97E-33	-1.805	0.063	0.417	1.48E-28	9
Dusp16	6.54E-33	0.462	0.449	0.179	1.62E-28	9
Entpd1	7.29E-33	-1.219	0.013	0.353	1.81E-28	9
Cd84	9.91E-33	-1.109	0.013	0.352	2.46E-28	9
Zfp361l	1.05E-32	0.882	0.837	0.555	2.62E-28	9
Ric1	1.98E-32	0.667	0.522	0.244	4.92E-28	9
Selenop	2.09E-32	-2.904	0.093	0.427	5.20E-28	9
Tgfbi	2.21E-32	-2.068	0.226	0.528	5.49E-28	9
Hivep1	2.31E-32	0.672	0.498	0.224	5.73E-28	9
Rps26	2.51E-32	0.549	0.977	0.88	6.22E-28	9
Plekhg2	2.58E-32	0.482	0.289	0.086	6.40E-28	9
Casp3	3.05E-32	0.750	0.664	0.369	7.58E-28	9
Il7r	5.16E-32	0.634	0.694	0.342	1.28E-27	9
Hilpda	6.11E-32	-1.893	0.322	0.627	1.52E-27	9
1700017B05Rik	1.19E-31	-1.304	0.09	0.434	2.95E-27	9
Nfkbie	1.19E-31	0.644	0.618	0.311	2.96E-27	9
Tiparp	1.22E-31	-1.419	0.306	0.603	3.03E-27	9
Nfe2l1	1.42E-31	0.566	0.522	0.248	3.51E-27	9
Malt1	1.53E-31	0.688	0.764	0.447	3.79E-27	9
Pmaip1	2.64E-31	0.668	0.701	0.394	6.55E-27	9
Rgl1	2.69E-31	-1.338	0.04	0.37	6.67E-27	9
Akna	3.38E-31	0.542	0.432	0.168	8.40E-27	9
Ier3	3.73E-31	-2.114	0.336	0.616	9.27E-27	9
Nlrp3	3.91E-31	-2.405	0.199	0.521	9.71E-27	9

Cenpl	4.66E-31	0.307	0.289	0.087	1.16E-26	9
Nceh1	4.86E-31	-1.022	0.043	0.38	1.21E-26	9
Tmem19	5.26E-31	0.443	0.316	0.108	1.31E-26	9
Ankrd44	6.18E-31	0.492	0.581	0.279	1.54E-26	9
Sowahc	7.39E-31	0.713	0.598	0.301	1.84E-26	9
Prdx5	7.66E-31	-1.272	0.332	0.605	1.90E-26	9
Ubash3b	8.78E-31	0.992	0.515	0.262	2.18E-26	9
Erlin1	9.94E-31	0.557	0.429	0.179	2.47E-26	9
Rapgef6	1.09E-30	0.627	0.555	0.269	2.70E-26	9
Ube2h	1.41E-30	0.650	0.691	0.403	3.50E-26	9
Zeb2	2.11E-30	-1.408	0.379	0.648	5.24E-26	9
Rab1a	2.25E-30	-1.008	0.694	0.752	5.59E-26	9
H2-D1	2.61E-30	0.440	0.997	0.965	6.48E-26	9
Tnip3	3.54E-30	0.579	0.422	0.17	8.80E-26	9
Ctsh	3.80E-30	0.650	0.794	0.47	9.43E-26	9
S100a4	3.85E-30	0.872	0.741	0.473	9.56E-26	9
Nampt	4.04E-30	1.100	0.784	0.547	1.00E-25	9
Pgam1	4.30E-30	-1.315	0.518	0.675	1.07E-25	9
Msr1	5.17E-30	-1.437	0.033	0.35	1.28E-25	9
Mob3a	5.63E-30	0.483	0.362	0.136	1.40E-25	9
Gosr2	8.82E-30	0.599	0.551	0.278	2.19E-25	9
Ms4a6c	9.01E-30	-1.565	0.176	0.488	2.24E-25	9
Irf8	1.72E-29	1.107	0.664	0.405	4.27E-25	9
C1qb	1.76E-29	-2.888	0.103	0.409	4.37E-25	9
Lhfpl2	1.83E-29	-1.970	0.083	0.402	4.54E-25	9
Slc2a1	2.10E-29	-1.389	0.179	0.494	5.21E-25	9
Polr3c	2.25E-29	0.368	0.289	0.094	5.60E-25	9
C3ar1	2.60E-29	-1.503	0.116	0.425	6.46E-25	9
Oaf	3.70E-29	0.500	0.266	0.08	9.20E-25	9
Rps11	4.02E-29	0.555	0.96	0.824	9.98E-25	9
Wsb1	4.67E-29	-1.187	0.372	0.632	1.16E-24	9
Sh3bgrl3	4.76E-29	0.642	0.95	0.838	1.18E-24	9
Ms4a6d	5.43E-29	-1.474	0.126	0.434	1.35E-24	9
Tctex1d2	5.72E-29	0.634	0.342	0.132	1.42E-24	9
Necap2	6.93E-29	0.617	0.598	0.332	1.72E-24	9
Nae1	7.23E-29	0.495	0.342	0.128	1.80E-24	9
Card19	9.31E-29	-1.284	0.252	0.542	2.31E-24	9
C9orf72	1.00E-28	0.495	0.442	0.189	2.50E-24	9
Snx5	1.84E-28	-1.197	0.405	0.609	4.57E-24	9
Cln8	2.03E-28	-0.892	0.04	0.352	5.05E-24	9
Gng2	2.07E-28	-0.854	0.066	0.384	5.14E-24	9
Fcgr1	2.13E-28	-1.082	0.037	0.352	5.28E-24	9
Lat2	3.10E-28	-0.961	0.076	0.385	7.69E-24	9
Smad4	3.53E-28	0.619	0.654	0.375	8.76E-24	9
Rala	3.76E-28	0.559	0.688	0.405	9.35E-24	9
Fnbp1	4.32E-28	0.938	0.728	0.499	1.07E-23	9

Clec4a2	5.01E-28	-1.038	0.06	0.37	1.24E-23	9
Skil	6.10E-28	0.626	0.857	0.638	1.52E-23	9
Irf2bpl	6.44E-28	-1.044	0.04	0.348	1.60E-23	9
Mrc1	6.88E-28	-1.819	0.047	0.346	1.71E-23	9
Rhog	7.30E-28	0.576	0.927	0.786	1.81E-23	9
Mmd	9.81E-28	0.438	0.405	0.166	2.44E-23	9
Vcp	1.01E-27	0.676	0.88	0.64	2.50E-23	9
Ptpre	1.14E-27	-1.137	0.083	0.391	2.83E-23	9
Epb4112	1.15E-27	0.515	0.731	0.427	2.85E-23	9
Clec4e	1.22E-27	-2.326	0.05	0.355	3.03E-23	9
Fam32a	1.25E-27	0.591	0.561	0.303	3.11E-23	9
Gm2a	1.79E-27	-1.263	0.449	0.661	4.46E-23	9
Ccnd2	1.88E-27	0.846	0.618	0.332	4.68E-23	9
Cndp2	2.10E-27	-1.255	0.219	0.491	5.22E-23	9
Runx1	2.12E-27	-1.099	0.183	0.494	5.26E-23	9
Ccr2	2.53E-27	-1.447	0.053	0.354	6.29E-23	9
Pnpla8	2.61E-27	0.493	0.472	0.222	6.48E-23	9
Sla	4.89E-27	-1.193	0.093	0.405	1.21E-22	9
Grb2	5.71E-27	0.577	0.92	0.727	1.42E-22	9
S100a10	6.63E-27	-1.090	0.512	0.71	1.65E-22	9
Gbp1	6.99E-27	0.553	0.807	0.542	1.74E-22	9
Lgals9	7.41E-27	-0.856	0.07	0.386	1.84E-22	9
Myl12a	8.31E-27	0.641	0.837	0.609	2.06E-22	9
Snx18	9.65E-27	-1.008	0.183	0.502	2.40E-22	9
Akap13	1.20E-26	0.490	0.841	0.565	2.97E-22	9
Kcnn4	1.21E-26	-1.018	0.083	0.392	3.00E-22	9
Supt4a	1.24E-26	0.570	0.648	0.387	3.08E-22	9
Tmem168	1.38E-26	0.410	0.336	0.129	3.44E-22	9
Plekhb2	1.48E-26	0.503	0.598	0.322	3.68E-22	9
Cln3	1.59E-26	-1.136	0.083	0.387	3.94E-22	9
Ubxn2a	1.60E-26	0.464	0.405	0.172	3.96E-22	9
Gadd45b	1.66E-26	0.381	0.867	0.558	4.12E-22	9
Apoe	1.82E-26	-3.422	0.279	0.522	4.52E-22	9
Phlda1	1.98E-26	-1.600	0.179	0.492	4.92E-22	9
Psmb9	2.34E-26	0.625	0.488	0.247	5.81E-22	9
Orai1	2.42E-26	0.732	0.651	0.376	6.01E-22	9
B2m	2.60E-26	0.504	0.99	0.977	6.45E-22	9
Atf4	2.77E-26	-0.880	0.837	0.881	6.89E-22	9
Slc7a8	3.21E-26	-1.046	0.04	0.332	7.97E-22	9
Rab12	3.35E-26	0.626	0.482	0.239	8.33E-22	9
Fas	4.29E-26	0.297	0.329	0.118	1.06E-21	9
Itm2c	5.85E-26	0.572	0.821	0.551	1.45E-21	9
Gde1	6.09E-26	-0.903	0.033	0.323	1.51E-21	9
Stard7	6.41E-26	0.603	0.419	0.194	1.59E-21	9
Pdlim5	6.70E-26	0.591	0.618	0.363	1.66E-21	9
Tob2	8.44E-26	0.743	0.867	0.691	2.10E-21	9

Rgcc	1.14E-25	-1.338	0.1	0.395	2.84E-21	9
Clasp2	1.36E-25	0.507	0.372	0.157	3.38E-21	9
Ccl2	1.36E-25	-2.037	0.053	0.341	3.38E-21	9
Adgre1	1.50E-25	-1.164	0.027	0.311	3.72E-21	9
Foxn3	1.92E-25	0.628	0.608	0.339	4.76E-21	9
Txndc17	2.19E-25	1.035	0.615	0.385	5.44E-21	9
Inf2	2.96E-25	0.525	0.392	0.167	7.34E-21	9
Rnf114	3.18E-25	0.459	0.492	0.243	7.91E-21	9
Hcls1	3.20E-25	-0.901	0.292	0.571	7.96E-21	9
mt-Nd1	3.69E-25	-0.755	0.97	0.954	9.16E-21	9
Jund	5.29E-25	-0.867	0.907	0.919	1.31E-20	9
C1qc	5.59E-25	-2.610	0.1	0.375	1.39E-20	9
Rab11fip1	6.01E-25	0.468	0.767	0.471	1.49E-20	9
Txnip	9.41E-25	-1.251	0.073	0.361	2.34E-20	9
Rab10	9.80E-25	0.635	0.831	0.593	2.44E-20	9
Gsdmd	1.17E-24	0.493	0.422	0.197	2.89E-20	9
Rnf115	1.30E-24	0.549	0.545	0.303	3.22E-20	9
Socs3	1.40E-24	-1.355	0.173	0.46	3.47E-20	9
Birc3	1.44E-24	0.374	0.488	0.233	3.58E-20	9
Csf2rb	1.44E-24	0.644	0.87	0.606	3.58E-20	9
Tm6sf1	1.57E-24	-0.778	0.063	0.35	3.89E-20	9
Fbrs11	1.67E-24	0.467	0.485	0.238	4.15E-20	9
Rgs1	1.88E-24	0.403	0.847	0.579	4.66E-20	9
Atxn7l1	1.95E-24	0.473	0.399	0.178	4.84E-20	9
Xist	2.23E-24	-1.010	0.738	0.811	5.54E-20	9
mt-Cytb	2.35E-24	-0.789	0.993	0.966	5.84E-20	9
Stx11	2.56E-24	0.272	0.681	0.367	6.36E-20	9
Mrpl14	2.66E-24	0.397	0.326	0.13	6.61E-20	9
2-Sep	2.85E-24	0.522	0.714	0.445	7.09E-20	9
Ptprc	2.89E-24	-1.127	0.645	0.761	7.17E-20	9
Fem1c	3.77E-24	-1.031	0.465	0.665	9.38E-20	9
Pld3	3.95E-24	-1.125	0.153	0.428	9.82E-20	9
Pid1	4.53E-24	-0.842	0.056	0.336	1.12E-19	9
Tbc1d15	7.66E-24	0.417	0.601	0.327	1.90E-19	9
Tgm2	8.00E-24	-1.585	0.203	0.473	1.99E-19	9
Rbm17	8.27E-24	0.629	0.548	0.311	2.05E-19	9
Tpra1	1.00E-23	0.775	0.375	0.171	2.49E-19	9
Timp2	1.16E-23	-1.419	0.043	0.314	2.88E-19	9
mt-Nd2	1.25E-23	-0.814	0.963	0.944	3.10E-19	9
Arhgdib	1.39E-23	-0.939	0.532	0.683	3.45E-19	9
Jup	1.46E-23	0.617	0.369	0.161	3.62E-19	9
Arrb2	1.49E-23	0.488	0.651	0.373	3.70E-19	9
Scamp2	1.54E-23	0.604	0.615	0.376	3.83E-19	9
Ubb	1.70E-23	-0.695	0.983	0.983	4.23E-19	9
Dnm11	1.77E-23	0.597	0.468	0.241	4.40E-19	9
Brk1	1.92E-23	0.605	0.738	0.493	4.78E-19	9

Mpeg1	2.17E-23	-1.298	0.183	0.458	5.38E-19	9
Ino80d	2.20E-23	0.471	0.462	0.221	5.47E-19	9
Ccni	2.36E-23	0.632	0.728	0.502	5.87E-19	9
Atp1b3	2.52E-23	-0.839	0.711	0.768	6.25E-19	9
H2-Q4	2.55E-23	0.569	0.794	0.53	6.34E-19	9
Rela	2.61E-23	0.509	0.621	0.367	6.47E-19	9
Havcr2	2.99E-23	-0.881	0.073	0.346	7.44E-19	9
Itgal	3.05E-23	-1.073	0.007	0.263	7.57E-19	9
Tmem50a	3.38E-23	-0.948	0.362	0.565	8.39E-19	9
Ccl3	4.13E-23	-3.929	0.056	0.323	1.03E-18	9
Pdia6	4.15E-23	-0.934	0.249	0.499	1.03E-18	9
Picalm	6.23E-23	-0.859	0.831	0.816	1.55E-18	9
Slc43a2	7.39E-23	-0.692	0.007	0.26	1.84E-18	9
Ywhaq	7.46E-23	0.651	0.728	0.482	1.85E-18	9
Icosl	7.57E-23	0.654	0.279	0.103	1.88E-18	9
Mpc1	7.74E-23	0.504	0.568	0.323	1.92E-18	9
Hat1	8.02E-23	0.467	0.482	0.25	1.99E-18	9
Rad21	8.16E-23	0.659	0.638	0.397	2.03E-18	9
Npc1	8.99E-23	-0.914	0.136	0.411	2.23E-18	9
Plekha1	9.14E-23	0.550	0.442	0.22	2.27E-18	9
Pphln1	9.80E-23	0.438	0.339	0.144	2.43E-18	9
Snx9	1.11E-22	-0.901	0.196	0.462	2.76E-18	9
Mpp1	1.13E-22	-0.862	0.07	0.335	2.81E-18	9
D17Wsu92e	1.34E-22	0.595	0.658	0.417	3.32E-18	9
Fbxo11	1.97E-22	0.479	0.671	0.404	4.90E-18	9
Rpl21	2.03E-22	0.488	0.917	0.763	5.05E-18	9
Pfdn5	2.23E-22	0.497	0.751	0.502	5.53E-18	9
Asmt	2.50E-22	0.530	0.585	0.34	6.22E-18	9
Smchd1	2.66E-22	0.668	0.568	0.325	6.60E-18	9
Ccl9	2.96E-22	-1.879	0.216	0.468	7.35E-18	9
Vwa5a	3.01E-22	0.712	0.399	0.201	7.47E-18	9
Arhgap1	3.27E-22	0.354	0.412	0.195	8.12E-18	9
S100a11	3.52E-22	0.472	0.947	0.8	8.74E-18	9
Gmfg	3.99E-22	-0.845	0.133	0.413	9.91E-18	9
Rars	4.08E-22	-0.958	0.189	0.454	1.01E-17	9
Cdt1	4.20E-22	-0.858	0.063	0.325	1.04E-17	9
Mafk	4.20E-22	-1.167	0.199	0.457	1.04E-17	9
Ifi207	4.22E-22	-1.134	0.259	0.516	1.05E-17	9
Myo1f	4.41E-22	-0.688	0.06	0.326	1.09E-17	9
Lyn	5.01E-22	-0.963	0.269	0.524	1.24E-17	9
St3gal1	5.08E-22	0.566	0.714	0.46	1.26E-17	9
Slc33a1	6.25E-22	0.349	0.262	0.096	1.55E-17	9
Jmjd1c	6.59E-22	-0.930	0.216	0.486	1.64E-17	9
F13a1	7.13E-22	-1.492	0.027	0.279	1.77E-17	9
Abca1	7.39E-22	-0.985	0.053	0.315	1.84E-17	9
Hexa	9.64E-22	-1.091	0.246	0.474	2.40E-17	9



Rps27	1.00E-21	0.381	0.98	0.9	2.49E-17	9
C1qa	1.38E-21	-2.024	0.043	0.292	3.43E-17	9
Mthfsl	1.43E-21	0.525	0.465	0.238	3.56E-17	9
Aprt	1.50E-21	-0.717	0.106	0.367	3.72E-17	9
Fli1	1.53E-21	-0.707	0.033	0.286	3.80E-17	9
Fam111a	1.65E-21	-0.852	0.03	0.279	4.10E-17	9
mt-Nd4	1.93E-21	-0.715	0.983	0.963	4.79E-17	9
Cfp	2.33E-21	-0.970	0.146	0.418	5.78E-17	9
Dnajb6	2.38E-21	0.406	0.811	0.586	5.92E-17	9
Ugcg	2.60E-21	-0.940	0.252	0.507	6.46E-17	9
Srebf2	2.70E-21	0.417	0.704	0.429	6.72E-17	9
Smox	2.71E-21	-1.273	0.339	0.586	6.73E-17	9
Nans	2.75E-21	0.731	0.435	0.237	6.82E-17	9
Supt6	2.83E-21	0.440	0.542	0.303	7.03E-17	9
Pip4k2a	2.97E-21	0.588	0.631	0.38	7.37E-17	9
Plec	3.46E-21	-0.992	0.166	0.423	8.59E-17	9
Cop1	3.53E-21	0.441	0.502	0.277	8.76E-17	9
Irf2bp2	4.18E-21	-1.114	0.316	0.535	1.04E-16	9
Nup85	4.23E-21	0.510	0.322	0.14	1.05E-16	9
Ahnak	5.83E-21	-1.058	0.684	0.783	1.45E-16	9
Washc1	6.05E-21	0.381	0.319	0.136	1.50E-16	9
Tnf	6.75E-21	-1.689	0.076	0.336	1.68E-16	9
Nucb1	6.86E-21	-0.840	0.269	0.499	1.70E-16	9
Fosl2	7.24E-21	-0.997	0.631	0.781	1.80E-16	9
Gramd3	7.87E-21	0.460	0.329	0.138	1.95E-16	9
Glul	8.07E-21	-1.236	0.379	0.582	2.01E-16	9
Sgms2	8.99E-21	-1.287	0.037	0.277	2.23E-16	9
Cd93	9.47E-21	-0.936	0.023	0.261	2.35E-16	9
Cebpa	9.95E-21	-1.090	0.113	0.367	2.47E-16	9
Plau	1.15E-20	-1.408	0.066	0.311	2.85E-16	9
Sp110	1.31E-20	0.679	0.588	0.372	3.26E-16	9
Shisa5	1.51E-20	-0.891	0.326	0.558	3.74E-16	9
Arid5b	1.58E-20	-1.225	0.056	0.302	3.91E-16	9
Runx3	1.84E-20	0.566	0.728	0.487	4.57E-16	9
Fau	1.97E-20	0.410	0.963	0.905	4.89E-16	9
Myo1c	2.00E-20	0.506	0.392	0.191	4.98E-16	9
Tmem127	2.27E-20	0.376	0.452	0.23	5.65E-16	9
Iqgap2	2.28E-20	-0.670	0.027	0.266	5.66E-16	9
Slc25a11	2.39E-20	0.436	0.488	0.266	5.93E-16	9
Ncf2	2.40E-20	-1.144	0.239	0.476	5.97E-16	9
Lrrc8c	2.46E-20	0.481	0.518	0.287	6.10E-16	9
Sel1l	2.52E-20	0.578	0.508	0.288	6.25E-16	9
Igsf6	2.53E-20	-0.764	0.023	0.258	6.29E-16	9
Trafd1	2.56E-20	0.453	0.571	0.328	6.37E-16	9
Pdia3	2.82E-20	-0.874	0.591	0.665	7.00E-16	9
Cd300a	2.97E-20	-0.736	0.073	0.324	7.37E-16	9

Nme1	3.76E-20	-0.736	0.183	0.43	9.35E-16	9
Nfam1	3.88E-20	-0.723	0.023	0.257	9.63E-16	9
Dgkz	3.92E-20	-0.788	0.05	0.295	9.74E-16	9
Atp2a2	4.06E-20	-0.870	0.405	0.592	1.01E-15	9
Arpc5	4.16E-20	0.483	0.88	0.762	1.03E-15	9
Lrrc25	4.28E-20	-0.672	0.06	0.307	1.06E-15	9
Pla2g7	4.31E-20	-1.414	0.136	0.383	1.07E-15	9
Eps15	4.40E-20	0.336	0.505	0.272	1.09E-15	9
2310022A10Rik	4.76E-20	-0.766	0.073	0.319	1.18E-15	9
Gpcpd1	5.38E-20	0.502	0.402	0.197	1.34E-15	9
Naaa	5.56E-20	-1.169	0.096	0.344	1.38E-15	9
Stk24	5.70E-20	0.564	0.704	0.46	1.41E-15	9
Cd300c2	5.91E-20	-0.672	0.053	0.291	1.47E-15	9
Eif3f	5.97E-20	0.491	0.794	0.577	1.48E-15	9
Slc25a1	6.36E-20	0.449	0.389	0.19	1.58E-15	9
Xdh	6.48E-20	-0.712	0.037	0.272	1.61E-15	9
Fcgr4	6.54E-20	-0.963	0.047	0.287	1.62E-15	9
Aftph	7.80E-20	0.421	0.538	0.306	1.94E-15	9
Itgb7	7.82E-20	-0.966	0.093	0.337	1.94E-15	9
Cep85l	8.05E-20	0.252	0.262	0.097	2.00E-15	9
Clec4a3	8.07E-20	-0.815	0.073	0.317	2.00E-15	9
Slc16a10	8.15E-20	-0.781	0.053	0.291	2.02E-15	9
Mt2	8.21E-20	0.624	0.774	0.513	2.04E-15	9
Ski	8.71E-20	-0.810	0.159	0.419	2.16E-15	9
Rbm47	8.87E-20	-0.807	0.133	0.395	2.20E-15	9
Cox7a2l	8.94E-20	0.559	0.708	0.488	2.22E-15	9
Tbca	9.42E-20	0.547	0.731	0.5	2.34E-15	9
Eif4e2	9.54E-20	0.469	0.658	0.411	2.37E-15	9
Tatdn2	9.68E-20	-0.804	0.136	0.397	2.40E-15	9
F10	1.02E-19	-1.096	0.03	0.263	2.52E-15	9
Adcy7	1.04E-19	-0.655	0.047	0.286	2.58E-15	9
Sde2	1.07E-19	-1.052	0.236	0.482	2.65E-15	9
Fermt3	1.14E-19	-0.596	0.076	0.325	2.83E-15	9
Bin2	1.34E-19	-0.644	0.066	0.308	3.34E-15	9
Sh3glb1	1.46E-19	0.465	0.877	0.652	3.63E-15	9
Cflar	1.47E-19	0.576	0.814	0.58	3.64E-15	9
Sat1	1.70E-19	-1.031	0.834	0.842	4.23E-15	9
Tmpo	1.95E-19	0.486	0.522	0.288	4.84E-15	9
Rpn1	2.01E-19	-0.562	0.076	0.326	4.98E-15	9
Ap1g2	2.22E-19	0.326	0.256	0.099	5.51E-15	9
Bcor	2.28E-19	0.378	0.352	0.158	5.66E-15	9
Lcp2	2.34E-19	-0.783	0.06	0.299	5.81E-15	9
Pitpna	2.35E-19	-0.848	0.528	0.641	5.84E-15	9
Ptma	2.37E-19	-0.632	0.953	0.928	5.89E-15	9
Edf1	2.39E-19	0.494	0.781	0.555	5.94E-15	9
Eps8	2.46E-19	-0.953	0.163	0.402	6.10E-15	9

Vsir	2.49E-19	-0.786	0.133	0.379	6.19E-15	9
Mxi1	2.57E-19	0.510	0.688	0.445	6.38E-15	9
Ptpn18	2.61E-19	-0.765	0.146	0.385	6.49E-15	9
Cyth1	2.64E-19	0.435	0.625	0.385	6.56E-15	9
Bcl7c	2.65E-19	0.303	0.286	0.118	6.59E-15	9
Itpkb	2.80E-19	-0.939	0.166	0.415	6.96E-15	9
Tgfbr2	2.86E-19	-0.759	0.05	0.284	7.11E-15	9
Arhgap31	3.51E-19	0.321	0.299	0.122	8.73E-15	9
Anxa6	4.05E-19	-0.916	0.146	0.393	1.01E-14	9
Hax1	4.53E-19	0.387	0.412	0.21	1.12E-14	9
M6pr	4.58E-19	0.491	0.854	0.617	1.14E-14	9
Rrbp1	4.60E-19	-0.848	0.611	0.698	1.14E-14	9
Rps9	4.66E-19	0.450	0.973	0.913	1.16E-14	9
Soat1	4.81E-19	-0.978	0.266	0.478	1.19E-14	9
Lrrfip1	4.93E-19	0.468	0.827	0.631	1.22E-14	9
Capn2	5.50E-19	-0.905	0.239	0.471	1.37E-14	9
Pla2g16	5.96E-19	0.539	0.392	0.198	1.48E-14	9
Dip2b	6.31E-19	0.361	0.379	0.183	1.57E-14	9
Zdhc3	6.67E-19	0.370	0.382	0.191	1.66E-14	9
Cyp4f18	7.68E-19	-1.840	0.043	0.27	1.91E-14	9
Vmp1	7.77E-19	-0.903	0.312	0.542	1.93E-14	9
Elov15	9.93E-19	0.499	0.641	0.418	2.47E-14	9
Flnb	1.03E-18	0.356	0.266	0.104	2.55E-14	9
Jun	1.18E-18	-1.790	0.468	0.629	2.92E-14	9
Napsa	1.18E-18	0.538	0.409	0.201	2.93E-14	9
Arpc2	1.23E-18	0.398	0.963	0.895	3.04E-14	9
Prcp	1.24E-18	0.480	0.575	0.347	3.09E-14	9
Tceal9	1.25E-18	-0.806	0.176	0.426	3.10E-14	9
Nrros	1.27E-18	0.522	0.701	0.469	3.15E-14	9
Irak2	1.35E-18	-1.043	0.246	0.481	3.36E-14	9
Bri3bp	1.37E-18	0.459	0.405	0.204	3.39E-14	9
Manf	1.51E-18	-0.852	0.359	0.547	3.76E-14	9
Snd1	1.60E-18	0.521	0.621	0.402	3.96E-14	9
Osgin2	1.73E-18	0.446	0.399	0.197	4.29E-14	9
Lilr4b	1.89E-18	-1.329	0.638	0.73	4.70E-14	9
Cybb	2.18E-18	-1.246	0.183	0.424	5.42E-14	9
Gbp2	2.42E-18	0.479	0.415	0.204	6.02E-14	9
Akap9	2.60E-18	0.539	0.409	0.209	6.46E-14	9
R3hdm2	2.87E-18	0.378	0.551	0.324	7.14E-14	9
Ptpn22	3.05E-18	-1.000	0.047	0.272	7.57E-14	9
Ets1	3.14E-18	-1.450	0.037	0.254	7.81E-14	9
Rspry1	3.61E-18	0.349	0.302	0.132	8.95E-14	9
Sipa1l3	3.64E-18	0.260	0.289	0.12	9.05E-14	9
Rbbp8	3.70E-18	0.451	0.532	0.309	9.18E-14	9
Msi2	3.82E-18	0.313	0.369	0.169	9.50E-14	9
Ebi3	4.70E-18	0.643	0.316	0.147	1.17E-13	9

Ero1l	4.85E-18	-1.640	0.262	0.476	1.20E-13	9
Asl	4.96E-18	0.418	0.445	0.24	1.23E-13	9
Thap12	5.16E-18	0.625	0.425	0.235	1.28E-13	9
Mef2d	5.17E-18	-0.860	0.312	0.537	1.28E-13	9
Lpp	5.95E-18	0.445	0.439	0.231	1.48E-13	9
Spp1	6.44E-18	-2.811	0.056	0.276	1.60E-13	9
Ppt1	6.88E-18	-0.782	0.106	0.34	1.71E-13	9
Phf11b	7.17E-18	0.633	0.412	0.216	1.78E-13	9
Sqstm1	7.67E-18	0.518	0.963	0.897	1.91E-13	9
Sema4d	8.27E-18	-1.143	0.206	0.444	2.06E-13	9
Zcchc2	8.70E-18	-0.801	0.073	0.3	2.16E-13	9
Purb	8.78E-18	0.448	0.731	0.511	2.18E-13	9
Gadd45a	8.95E-18	-1.661	0.063	0.283	2.22E-13	9
Vamp8	9.09E-18	0.582	0.681	0.484	2.26E-13	9
Tbc1d1	9.39E-18	0.292	0.252	0.098	2.33E-13	9
Tmed5	9.90E-18	-0.771	0.402	0.603	2.46E-13	9
Triobp	1.03E-17	0.325	0.312	0.139	2.55E-13	9
Cdc42ep3	1.05E-17	0.321	0.299	0.126	2.61E-13	9
Fuca2	1.05E-17	-0.588	0.05	0.271	2.61E-13	9
Sirpb1c	1.13E-17	-0.762	0.053	0.276	2.80E-13	9
Creb1	1.15E-17	0.458	0.528	0.306	2.86E-13	9
Arpp19	1.21E-17	0.396	0.678	0.451	3.00E-13	9
Egr1	1.33E-17	-2.474	0.243	0.466	3.31E-13	9
Foxn2	1.46E-17	0.403	0.435	0.234	3.63E-13	9
Sgms1	1.50E-17	-0.728	0.093	0.324	3.72E-13	9
Gngt2	1.73E-17	0.385	0.375	0.183	4.30E-13	9
Mindy1	1.79E-17	-0.737	0.06	0.28	4.44E-13	9
Huwl	1.79E-17	0.508	0.631	0.407	4.44E-13	9
Arhgdia	1.86E-17	0.419	0.91	0.714	4.63E-13	9
Notch1	2.12E-17	-0.745	0.043	0.261	5.26E-13	9
Sugt1	2.25E-17	0.411	0.668	0.445	5.59E-13	9
Clptm1	2.26E-17	0.401	0.482	0.286	5.61E-13	9
Fkbp2	2.61E-17	-0.532	0.11	0.343	6.48E-13	9
AW112010	2.68E-17	0.895	0.555	0.346	6.65E-13	9
B3gnt5	2.90E-17	0.421	0.385	0.188	7.21E-13	9
Lipa	3.05E-17	-1.011	0.133	0.353	7.58E-13	9
1700025G04Rik	3.32E-17	0.431	0.269	0.112	8.25E-13	9
Sod2	3.42E-17	-1.111	0.342	0.539	8.50E-13	9
Rnf19b	3.55E-17	0.489	0.731	0.515	8.82E-13	9
Prkab2	3.58E-17	0.296	0.262	0.107	8.89E-13	9
Gdi1	3.95E-17	0.402	0.439	0.238	9.81E-13	9
Ccl4	4.09E-17	-3.389	0.116	0.337	1.02E-12	9
Rnf40	4.25E-17	0.345	0.352	0.172	1.05E-12	9
Asap1	4.45E-17	0.365	0.405	0.214	1.11E-12	9
Pdia4	4.83E-17	-0.604	0.09	0.311	1.20E-12	9
Clic1	5.71E-17	-0.726	0.512	0.636	1.42E-12	9

Man2b1	5.92E-17	-0.877	0.196	0.413	1.47E-12	9
Furin	5.97E-17	-0.916	0.359	0.555	1.48E-12	9
Lamtor4	6.14E-17	-0.519	0.076	0.297	1.52E-12	9
Ezh2	6.59E-17	0.355	0.415	0.206	1.64E-12	9
Ms4a7	7.19E-17	-1.545	0.053	0.26	1.79E-12	9
Rac1	7.19E-17	0.434	0.91	0.742	1.79E-12	9
Cstb	7.20E-17	-1.167	0.821	0.795	1.79E-12	9
Ecm1	7.30E-17	-0.868	0.086	0.301	1.81E-12	9
Rnf149	7.86E-17	-1.149	0.681	0.747	1.95E-12	9
Ms4a6b	8.87E-17	-0.664	0.076	0.295	2.20E-12	9
Snx2	9.33E-17	-0.789	0.226	0.439	2.32E-12	9
Pitpnc1	9.97E-17	-0.863	0.08	0.296	2.48E-12	9
Tes	1.06E-16	0.421	0.741	0.524	2.64E-12	9
Junb	1.06E-16	-0.960	0.937	0.928	2.65E-12	9
H3f3b	1.11E-16	-0.532	0.973	0.965	2.75E-12	9
Foxp1	1.14E-16	0.621	0.628	0.415	2.84E-12	9
Neur13	1.19E-16	-1.087	0.176	0.405	2.95E-12	9
Slc25a5	1.38E-16	-0.725	0.684	0.692	3.42E-12	9
Auh	1.44E-16	0.287	0.359	0.173	3.58E-12	9
Ifi204	1.48E-16	-0.786	0.103	0.33	3.68E-12	9
Rdx	1.51E-16	0.423	0.611	0.386	3.75E-12	9
Phyh	1.59E-16	0.435	0.382	0.205	3.95E-12	9
Sik1	1.59E-16	-0.839	0.475	0.666	3.96E-12	9
Tnip1	1.61E-16	0.344	0.409	0.208	3.99E-12	9
Cmtm7	1.74E-16	-0.669	0.193	0.426	4.33E-12	9
Ifi203	1.84E-16	-0.879	0.116	0.34	4.56E-12	9
Fam117b	1.84E-16	0.482	0.638	0.419	4.56E-12	9
mt-Atp6	2.12E-16	-0.536	0.997	0.984	5.27E-12	9
Noct	2.63E-16	-0.973	0.166	0.386	6.52E-12	9
Coro1b	2.74E-16	0.452	0.571	0.363	6.80E-12	9
Atp6v1h	2.88E-16	-0.841	0.289	0.48	7.16E-12	9
Cdc42se1	2.89E-16	0.445	0.645	0.411	7.18E-12	9
Map4	3.01E-16	0.345	0.468	0.268	7.47E-12	9
Mink1	3.78E-16	0.399	0.399	0.213	9.40E-12	9
Trim24	3.97E-16	0.319	0.262	0.11	9.87E-12	9
Calm3	4.08E-16	0.438	0.694	0.46	1.01E-11	9
Gtpbp4	4.14E-16	0.528	0.515	0.327	1.03E-11	9
Dstn	4.44E-16	0.572	0.631	0.43	1.10E-11	9
Arhgap30	4.78E-16	0.373	0.561	0.354	1.19E-11	9
Nfil3	4.99E-16	0.400	0.791	0.581	1.24E-11	9
Galnt1	5.02E-16	0.385	0.585	0.36	1.25E-11	9
Gla	5.60E-16	-0.920	0.482	0.643	1.39E-11	9
Dedd2	5.76E-16	-1.125	0.123	0.342	1.43E-11	9
Ifngr2	5.77E-16	0.345	0.502	0.292	1.43E-11	9
Spcs2	5.90E-16	-0.701	0.329	0.498	1.47E-11	9
Nap111	7.46E-16	0.547	0.827	0.62	1.85E-11	9

Clec4a1	7.97E-16	-0.814	0.12	0.333	1.98E-11	9
Mrps28	8.65E-16	-0.542	0.056	0.265	2.15E-11	9
Naa50	8.69E-16	-0.737	0.355	0.532	2.16E-11	9
Prkcd	8.83E-16	0.385	0.791	0.568	2.19E-11	9
Fbxw11	9.38E-16	0.411	0.515	0.31	2.33E-11	9
Plbd1	9.44E-16	-1.204	0.276	0.467	2.35E-11	9
Klhl5	9.75E-16	0.326	0.296	0.14	2.42E-11	9
Klf2	9.94E-16	-1.150	0.1	0.309	2.47E-11	9
Daam1	1.06E-15	0.279	0.262	0.113	2.62E-11	9
Adam15	1.19E-15	-0.660	0.123	0.335	2.95E-11	9
Eno1	1.45E-15	-0.856	0.571	0.665	3.60E-11	9
Mlf2	1.56E-15	0.656	0.688	0.48	3.88E-11	9
Fgfr1op	1.64E-15	0.331	0.282	0.128	4.07E-11	9
Nbn	1.66E-15	0.391	0.302	0.145	4.13E-11	9
Scpep1	1.75E-15	0.432	0.784	0.545	4.34E-11	9
Irs2	1.78E-15	-0.874	0.219	0.439	4.42E-11	9
Slc25a3	1.86E-15	0.375	0.944	0.804	4.62E-11	9
Dab2	1.87E-15	-1.176	0.243	0.436	4.63E-11	9
Rab7	1.91E-15	-0.797	0.827	0.817	4.75E-11	9
Eif4e	1.93E-15	-0.956	0.598	0.68	4.80E-11	9
Atrx	2.08E-15	0.657	0.674	0.482	5.17E-11	9
Slc25a4	2.34E-15	0.418	0.568	0.356	5.81E-11	9
Dctn2	2.51E-15	0.345	0.415	0.234	6.23E-11	9
Nmt1	2.58E-15	0.412	0.618	0.41	6.40E-11	9
Ppp1r12a	2.77E-15	0.428	0.734	0.549	6.87E-11	9
Ldlr	2.87E-15	0.266	0.555	0.327	7.12E-11	9
mt-Nd4l	2.90E-15	-0.808	0.797	0.814	7.19E-11	9
Dock10	2.97E-15	0.386	0.555	0.351	7.38E-11	9
Sgpl1	3.13E-15	0.456	0.811	0.591	7.77E-11	9
Ncoa5	3.36E-15	0.345	0.272	0.123	8.34E-11	9
Add1	3.52E-15	0.354	0.468	0.275	8.74E-11	9
Slc31a1	3.68E-15	-0.650	0.1	0.307	9.15E-11	9
Snx30	3.77E-15	-0.534	0.063	0.266	9.36E-11	9
Cntrl	4.02E-15	0.336	0.422	0.233	9.98E-11	9
Arl4c	4.38E-15	0.277	0.887	0.673	1.09E-10	9
Myadm	4.71E-15	0.460	0.611	0.399	1.17E-10	9
AB124611	4.98E-15	-0.429	0.056	0.254	1.24E-10	9
Samhd1	5.21E-15	0.378	0.831	0.629	1.29E-10	9
Med11	5.73E-15	0.379	0.342	0.177	1.42E-10	9
Cystm1	6.53E-15	0.560	0.279	0.13	1.62E-10	9
Rapgef2	7.39E-15	0.444	0.525	0.326	1.84E-10	9
Acadl	7.86E-15	0.548	0.525	0.338	1.95E-10	9
Tax1bp3	7.87E-15	0.309	0.316	0.154	1.95E-10	9
Slc7a1	9.03E-15	0.473	0.369	0.201	2.24E-10	9
Rab22a	9.20E-15	0.357	0.518	0.313	2.29E-10	9
Cep350	9.88E-15	0.465	0.442	0.259	2.45E-10	9

Flvcr1	1.01E-14	0.428	0.365	0.196	2.52E-10	9
Mbnl1	1.10E-14	-0.976	0.458	0.592	2.74E-10	9
Rps27rt	1.24E-14	0.336	0.857	0.65	3.09E-10	9
Serp1	1.42E-14	-0.720	0.568	0.647	3.52E-10	9
Mcf2	1.55E-14	-0.616	0.083	0.279	3.84E-10	9
Nsa2	1.57E-14	0.416	0.827	0.605	3.90E-10	9
Nup98	1.65E-14	0.342	0.701	0.49	4.11E-10	9
Capzb	1.72E-14	0.376	0.934	0.774	4.27E-10	9
Eif4g3	1.77E-14	-0.579	0.159	0.378	4.40E-10	9
Il6ra	1.79E-14	-0.707	0.186	0.395	4.44E-10	9
11-Sep	1.83E-14	-0.617	0.126	0.333	4.53E-10	9
Ly6a	1.89E-14	-1.278	0.14	0.345	4.71E-10	9
Tspan14	2.47E-14	-0.610	0.223	0.44	6.13E-10	9
Atpif1	2.68E-14	0.404	0.718	0.473	6.65E-10	9
Dcaf11	2.75E-14	0.305	0.339	0.176	6.84E-10	9
Tap1	3.08E-14	0.309	0.551	0.339	7.65E-10	9
Hmg20b	3.42E-14	0.387	0.352	0.188	8.50E-10	9
Psap	3.43E-14	-1.516	0.917	0.846	8.51E-10	9
Scyl2	3.45E-14	0.377	0.432	0.252	8.57E-10	9
Rnf130	3.47E-14	-0.732	0.252	0.429	8.61E-10	9
Celf2	3.47E-14	-0.647	0.402	0.57	8.62E-10	9
Hmgcs1	3.49E-14	0.595	0.409	0.238	8.67E-10	9
Vat1	3.55E-14	-0.859	0.213	0.398	8.82E-10	9
Uvrag	3.76E-14	0.349	0.625	0.41	9.34E-10	9
Rbpj	3.84E-14	-0.792	0.455	0.598	9.54E-10	9
Atf3	3.87E-14	-1.127	0.306	0.487	9.61E-10	9
Hipk1	3.92E-14	-0.680	0.256	0.459	9.73E-10	9
Tmed9	4.16E-14	-0.634	0.505	0.607	1.03E-09	9
Uqcrh	4.32E-14	0.372	0.874	0.711	1.07E-09	9
Mdm2	4.62E-14	-1.018	0.528	0.643	1.15E-09	9
Sdf211	4.73E-14	-0.587	0.15	0.347	1.17E-09	9
Rab5b	4.83E-14	0.348	0.375	0.209	1.20E-09	9
Tfrc	4.84E-14	-0.615	0.076	0.276	1.20E-09	9
Irf1	4.90E-14	0.486	0.575	0.371	1.22E-09	9
Itm2b	5.25E-14	-0.970	0.817	0.783	1.30E-09	9
Tmed10	5.43E-14	-0.697	0.508	0.593	1.35E-09	9
Ncl	5.56E-14	-0.591	0.884	0.844	1.38E-09	9
Wfdc17	5.78E-14	-1.428	0.362	0.516	1.44E-09	9
Rest	5.94E-14	0.380	0.538	0.336	1.48E-09	9
Pgls	6.15E-14	0.347	0.525	0.332	1.53E-09	9
Gsn	6.35E-14	-0.634	0.166	0.364	1.58E-09	9
Chpt1	6.50E-14	0.339	0.286	0.14	1.62E-09	9
Map2k3	6.71E-14	-0.660	0.638	0.737	1.67E-09	9
Ell	7.07E-14	-0.610	0.063	0.251	1.76E-09	9
Fos	7.55E-14	-1.407	0.482	0.625	1.88E-09	9
Otud5	8.41E-14	0.256	0.525	0.325	2.09E-09	9

Krtcap2	8.48E-14	-0.646	0.319	0.49	2.11E-09	9
Macf1	8.60E-14	-0.727	0.246	0.45	2.14E-09	9
Ctsc	8.65E-14	-1.278	0.518	0.595	2.15E-09	9
Crtc2	9.07E-14	0.362	0.399	0.218	2.25E-09	9
Zyx	9.33E-14	0.523	0.738	0.549	2.32E-09	9
Anp32a	9.92E-14	-0.829	0.445	0.591	2.46E-09	9
Rps4x	1.02E-13	0.369	0.944	0.788	2.53E-09	9
Lrp1	1.05E-13	-0.701	0.159	0.355	2.60E-09	9
Errfi1	1.13E-13	-0.985	0.179	0.367	2.80E-09	9
Vegfa	1.15E-13	-1.524	0.249	0.419	2.86E-09	9
Dusp11	1.16E-13	0.367	0.728	0.548	2.87E-09	9
Camk1d	1.25E-13	-0.568	0.066	0.252	3.09E-09	9
Ensa	1.25E-13	0.363	0.581	0.397	3.10E-09	9
Kdm6a	1.28E-13	0.371	0.458	0.276	3.17E-09	9
Cd48	1.42E-13	-0.529	0.193	0.385	3.52E-09	9
Gpi1	1.51E-13	-0.822	0.555	0.64	3.76E-09	9
Rps14	1.68E-13	0.312	0.96	0.863	4.16E-09	9
Ssr3	1.81E-13	-0.667	0.611	0.654	4.49E-09	9
Cux1	1.94E-13	-0.668	0.209	0.411	4.83E-09	9
Irf5	1.98E-13	0.325	0.442	0.254	4.92E-09	9
Trp53inp2	2.10E-13	0.352	0.372	0.201	5.22E-09	9
Mmp19	2.36E-13	-1.333	0.179	0.361	5.87E-09	9
Tpst2	2.56E-13	-0.784	0.276	0.471	6.35E-09	9
Gpx4	2.62E-13	0.403	0.724	0.519	6.51E-09	9
Hs6st1	2.74E-13	0.435	0.392	0.227	6.81E-09	9
Eno1b	3.11E-13	-0.619	0.196	0.397	7.72E-09	9
Lamp2	3.60E-13	-0.864	0.532	0.597	8.95E-09	9
Nedd4l	3.83E-13	0.328	0.266	0.127	9.51E-09	9
Actr3	3.97E-13	0.290	0.93	0.84	9.87E-09	9
Tmem243	4.40E-13	0.329	0.415	0.242	1.09E-08	9
Rpl23a	4.67E-13	0.303	0.953	0.829	1.16E-08	9
Fam168b	4.67E-13	0.314	0.551	0.363	1.16E-08	9
Cotl1	5.63E-13	-0.681	0.625	0.696	1.40E-08	9
Dpysl2	5.96E-13	-0.491	0.113	0.303	1.48E-08	9
Paf1	6.20E-13	0.296	0.528	0.325	1.54E-08	9
Tle4	6.21E-13	-0.611	0.153	0.352	1.54E-08	9
Tor1aip2	6.39E-13	0.415	0.651	0.478	1.59E-08	9
Dhx15	6.47E-13	0.318	0.757	0.575	1.61E-08	9
Rpl35	6.55E-13	0.356	0.944	0.787	1.63E-08	9
Rps25	6.80E-13	0.339	0.95	0.843	1.69E-08	9
Arpc4	7.00E-13	0.342	0.704	0.501	1.74E-08	9
Pltp	7.10E-13	-1.182	0.11	0.29	1.76E-08	9
Tcof1	7.10E-13	-0.414	0.08	0.269	1.76E-08	9
Pak1	7.20E-13	0.471	0.359	0.199	1.79E-08	9
Slc15a3	7.34E-13	-0.822	0.326	0.504	1.82E-08	9
Tlr2	7.38E-13	-0.832	0.103	0.281	1.83E-08	9



Dcaf12	7.70E-13	-0.544	0.123	0.317	1.91E-08	9
Pdxk	8.23E-13	-0.605	0.123	0.316	2.05E-08	9
Pycard	8.50E-13	-0.422	0.096	0.283	2.11E-08	9
Cyfip1	8.59E-13	0.375	0.555	0.353	2.13E-08	9
Rpl17	9.01E-13	0.307	0.97	0.895	2.24E-08	9
Ube2l3	9.23E-13	0.398	0.85	0.661	2.29E-08	9
Bclaf3	1.08E-12	0.535	0.322	0.169	2.67E-08	9
Rsu1	1.11E-12	0.357	0.581	0.379	2.75E-08	9
Raph1	1.13E-12	-0.688	0.15	0.347	2.82E-08	9
Atp6v1e1	1.14E-12	-0.800	0.498	0.609	2.82E-08	9
Lst1	1.17E-12	-0.720	0.146	0.332	2.91E-08	9
Tbc1d20	1.23E-12	0.342	0.412	0.242	3.05E-08	9
Kdm7a	1.24E-12	-0.766	0.312	0.493	3.07E-08	9
Ostc	1.27E-12	-0.531	0.219	0.404	3.15E-08	9
Prpf38b	1.31E-12	0.385	0.761	0.588	3.26E-08	9
Gns	1.37E-12	-0.800	0.266	0.425	3.40E-08	9
Tpm3	1.39E-12	0.290	0.937	0.827	3.44E-08	9
Elp5	1.47E-12	0.293	0.372	0.212	3.65E-08	9
Npc2	1.54E-12	0.482	0.92	0.75	3.83E-08	9
Dhx40	1.57E-12	-0.834	0.156	0.348	3.90E-08	9
H2-Ab1	1.60E-12	0.453	0.864	0.658	3.96E-08	9
Eef1a1	1.70E-12	0.305	0.983	0.952	4.22E-08	9
Hint1	1.74E-12	-0.614	0.339	0.489	4.32E-08	9
Slc25a51	1.77E-12	0.363	0.498	0.326	4.40E-08	9
Pik3cd	1.79E-12	-0.566	0.11	0.295	4.45E-08	9
Gm11808	1.82E-12	0.311	0.92	0.755	4.52E-08	9
Fmnl2	1.91E-12	0.319	0.332	0.18	4.75E-08	9
Hsp90ab1	1.95E-12	0.285	0.973	0.882	4.84E-08	9
Rpl28	2.04E-12	0.322	0.967	0.83	5.06E-08	9
Ehd1	2.10E-12	0.283	0.608	0.407	5.20E-08	9
Gnas	2.17E-12	0.297	0.95	0.815	5.40E-08	9
Clec4n	2.18E-12	-0.847	0.11	0.287	5.42E-08	9
Entpd7	2.28E-12	-0.597	0.11	0.295	5.67E-08	9
Was	2.29E-12	-0.421	0.13	0.327	5.69E-08	9
Prdx6	2.30E-12	-0.856	0.402	0.576	5.72E-08	9
Sin3b	2.44E-12	0.278	0.631	0.436	6.06E-08	9
Fam110a	2.47E-12	0.338	0.585	0.375	6.12E-08	9
5-Mar	2.50E-12	0.411	0.392	0.241	6.20E-08	9
Aldoa	2.59E-12	-0.778	0.804	0.818	6.43E-08	9
Dyrk2	2.59E-12	0.334	0.282	0.141	6.44E-08	9
Tnfsf12	2.65E-12	-0.485	0.086	0.26	6.59E-08	9
Clcn4	2.72E-12	-0.675	0.183	0.366	6.75E-08	9
Sppl2a	2.72E-12	0.453	0.645	0.471	6.76E-08	9
Inpp5d	3.47E-12	-0.488	0.123	0.315	8.63E-08	9
Gpr35	3.57E-12	-0.832	0.186	0.368	8.88E-08	9
Actn4	3.62E-12	-0.696	0.542	0.614	8.99E-08	9

Fbrs	3.72E-12	0.268	0.369	0.203	9.25E-08	9
Cdc37	4.12E-12	0.366	0.645	0.437	1.02E-07	9
Csde1	4.47E-12	0.312	0.874	0.719	1.11E-07	9
Mtf1	4.51E-12	0.315	0.302	0.159	1.12E-07	9
Pak1ip1	4.85E-12	0.326	0.538	0.356	1.20E-07	9
Klf13	5.28E-12	-0.574	0.136	0.322	1.31E-07	9
Rps28	5.52E-12	0.321	0.963	0.889	1.37E-07	9
Ybx1	5.60E-12	-0.507	0.841	0.781	1.39E-07	9
Metrn1	5.69E-12	-0.730	0.279	0.451	1.41E-07	9
Tmed2	6.48E-12	-0.559	0.645	0.668	1.61E-07	9
Gpnmb	7.31E-12	-1.983	0.096	0.261	1.82E-07	9
Cdc42	7.97E-12	0.283	0.934	0.852	1.98E-07	9
H3f3a	8.22E-12	0.294	0.953	0.933	2.04E-07	9
mt-Nd3	8.72E-12	-0.578	0.844	0.848	2.17E-07	9
Pld4	8.82E-12	-0.654	0.216	0.393	2.19E-07	9
Ano6	9.28E-12	-0.499	0.1	0.273	2.30E-07	9
Shc1	9.41E-12	0.289	0.432	0.272	2.34E-07	9
Ppp3ca	9.82E-12	-0.592	0.249	0.435	2.44E-07	9
Gdi2	1.00E-11	0.340	0.857	0.681	2.50E-07	9
Tpp1	1.01E-11	-0.780	0.259	0.411	2.52E-07	9
Atxn7l3b	1.04E-11	0.275	0.492	0.312	2.59E-07	9
Ppp1ca	1.06E-11	0.302	0.847	0.602	2.62E-07	9
Grina	1.07E-11	-1.177	0.339	0.497	2.65E-07	9
Fxr1	1.10E-11	0.345	0.598	0.417	2.74E-07	9
Ube2f	1.11E-11	0.313	0.532	0.341	2.76E-07	9
Bin1	1.20E-11	0.332	0.455	0.284	2.98E-07	9
Nck1	1.22E-11	0.305	0.282	0.146	3.04E-07	9
Psm7	1.22E-11	0.367	0.698	0.5	3.04E-07	9
Cks2	1.31E-11	-0.799	0.223	0.402	3.24E-07	9
Lbr	1.35E-11	-0.713	0.11	0.279	3.35E-07	9
Gnaq	1.35E-11	-0.410	0.126	0.309	3.36E-07	9
Cers2	1.40E-11	-0.625	0.369	0.508	3.48E-07	9
mt-Nd5	1.40E-11	-0.560	0.957	0.908	3.48E-07	9
Ralgds	1.43E-11	-0.546	0.093	0.268	3.54E-07	9
Rps20	1.45E-11	0.280	0.963	0.842	3.60E-07	9
Ssfa2	1.46E-11	0.304	0.591	0.394	3.64E-07	9
Atp6v1c1	1.48E-11	-0.724	0.296	0.446	3.68E-07	9
Dnajc8	1.52E-11	0.363	0.601	0.422	3.77E-07	9
Diaph1	1.52E-11	-0.723	0.528	0.639	3.78E-07	9
Sart3	1.56E-11	0.313	0.372	0.216	3.87E-07	9
Eif4a1	1.60E-11	-0.407	0.92	0.858	3.98E-07	9
Gramd1b	1.62E-11	0.504	0.282	0.147	4.02E-07	9
Lgals8	1.70E-11	-0.474	0.093	0.264	4.22E-07	9
Rab8a	1.75E-11	0.364	0.515	0.353	4.35E-07	9
R3hdm4	1.78E-11	0.348	0.512	0.344	4.43E-07	9
Emc7	1.79E-11	-0.500	0.229	0.403	4.44E-07	9

Sumo1	1.79E-11	0.253	0.605	0.412	4.46E-07	9
Etnk1	1.80E-11	0.284	0.492	0.319	4.47E-07	9
Rps15	1.81E-11	0.325	0.934	0.81	4.50E-07	9
Mapre2	1.83E-11	0.500	0.588	0.426	4.55E-07	9
Agpat1	1.97E-11	0.318	0.316	0.177	4.89E-07	9
Ninj1	2.00E-11	-0.710	0.249	0.406	4.96E-07	9
Gnb1	2.40E-11	0.300	0.86	0.718	5.97E-07	9
Iqgap1	2.68E-11	0.253	0.947	0.836	6.66E-07	9
Baz1a	3.33E-11	0.302	0.741	0.55	8.27E-07	9
Slc25a20	3.51E-11	0.392	0.355	0.208	8.71E-07	9
Saraf	3.61E-11	-0.713	0.239	0.41	8.96E-07	9
Gtf2h1	3.70E-11	-0.612	0.299	0.472	9.18E-07	9
H2afy	4.02E-11	0.289	0.811	0.596	9.97E-07	9
Stx12	4.29E-11	0.334	0.432	0.27	1.07E-06	9
Max	4.32E-11	-0.697	0.355	0.505	1.07E-06	9
Zfp513	4.42E-11	0.305	0.269	0.138	1.10E-06	9
Cd37	4.44E-11	-0.651	0.153	0.324	1.10E-06	9
Hsd17b4	4.53E-11	0.397	0.329	0.194	1.13E-06	9
Arl6ip5	4.65E-11	-0.482	0.279	0.451	1.16E-06	9
Rpl39	4.89E-11	0.270	0.967	0.846	1.22E-06	9
Zfc3h1	5.03E-11	0.327	0.375	0.216	1.25E-06	9
Ankrd13a	5.07E-11	0.266	0.651	0.473	1.26E-06	9
Unc93b1	5.33E-11	-0.753	0.316	0.443	1.32E-06	9
Notch2	5.73E-11	-0.715	0.196	0.369	1.42E-06	9
Dnajb9	5.94E-11	-0.877	0.515	0.619	1.48E-06	9
Xbp1	6.14E-11	-0.657	0.355	0.511	1.52E-06	9
Fryl	6.18E-11	0.289	0.359	0.204	1.53E-06	9
Pqlc1	6.23E-11	-0.628	0.15	0.325	1.55E-06	9
Bscl2	6.44E-11	-0.465	0.13	0.298	1.60E-06	9
Cttnbp2nl	7.07E-11	0.356	0.385	0.235	1.76E-06	9
Nop58	7.56E-11	-0.620	0.206	0.379	1.88E-06	9
Nfic	7.69E-11	-0.751	0.159	0.323	1.91E-06	9
Ets2	8.21E-11	-0.926	0.482	0.622	2.04E-06	9
Ctsz	8.89E-11	0.316	0.874	0.627	2.21E-06	9
Ptpn2	9.16E-11	0.286	0.532	0.359	2.28E-06	9
Hyou1	9.97E-11	-0.507	0.15	0.316	2.48E-06	9
Mrpl42	1.00E-10	-0.445	0.143	0.31	2.49E-06	9
Nfe212	1.09E-10	0.448	0.721	0.567	2.70E-06	9
Tmem43	1.10E-10	-0.478	0.103	0.267	2.74E-06	9
Fam174a	1.16E-10	0.333	0.409	0.256	2.87E-06	9
Lasp1	1.16E-10	-0.891	0.568	0.644	2.88E-06	9
Casp4	1.23E-10	0.428	0.525	0.356	3.05E-06	9
Tmod3	1.30E-10	0.287	0.688	0.515	3.24E-06	9
Mrpl33	1.51E-10	-0.586	0.332	0.48	3.75E-06	9
Hexb	1.57E-10	-0.699	0.153	0.316	3.89E-06	9
Tram1	1.75E-10	-0.518	0.339	0.476	4.36E-06	9

Gcsh	1.78E-10	-0.544	0.159	0.336	4.42E-06	9
Calm2	1.78E-10	-0.602	0.771	0.75	4.42E-06	9
Pnp	1.86E-10	-0.656	0.419	0.551	4.63E-06	9
Map2k1	1.87E-10	0.317	0.595	0.432	4.64E-06	9
Bnip3	2.17E-10	-0.909	0.143	0.307	5.38E-06	9
Tet3	2.52E-10	-0.620	0.169	0.337	6.26E-06	9
Tcp11l2	2.67E-10	-0.777	0.15	0.308	6.64E-06	9
Rpl31	2.83E-10	0.271	0.963	0.838	7.03E-06	9
Rps23	2.83E-10	0.267	0.963	0.845	7.03E-06	9
Hnrnp3	3.04E-10	0.257	0.279	0.15	7.56E-06	9
Vav1	3.07E-10	-0.485	0.143	0.315	7.64E-06	9
Lgals3bp	3.21E-10	-0.617	0.236	0.399	7.96E-06	9
Cct4	3.53E-10	0.260	0.674	0.48	8.76E-06	9
F11r	3.60E-10	0.347	0.252	0.13	8.95E-06	9
Ier2	3.67E-10	-0.722	0.322	0.49	9.11E-06	9
Dtx3l	3.69E-10	0.269	0.409	0.248	9.17E-06	9
Rusc1	3.70E-10	0.296	0.289	0.158	9.18E-06	9
Rbbp7	3.77E-10	0.310	0.498	0.329	9.38E-06	9
Cdk4	3.82E-10	-0.353	0.113	0.277	9.48E-06	9
Ehd4	4.01E-10	-0.597	0.312	0.455	9.95E-06	9
Sypl	4.13E-10	-0.514	0.206	0.368	1.03E-05	9
Arap1	4.19E-10	-0.538	0.146	0.311	1.04E-05	9
Gas2l3	4.22E-10	-0.568	0.203	0.366	1.05E-05	9
Tgfb1	4.28E-10	-0.390	0.096	0.259	1.06E-05	9
Ifngr1	4.36E-10	-0.987	0.296	0.442	1.08E-05	9
5031439G07Rik	4.57E-10	-0.611	0.279	0.432	1.13E-05	9
Atxn1	4.57E-10	0.309	0.262	0.137	1.13E-05	9
Mrpl23	4.63E-10	-0.324	0.096	0.252	1.15E-05	9
Stk10	4.71E-10	-0.597	0.1	0.258	1.17E-05	9
Nploc4	4.80E-10	0.258	0.319	0.184	1.19E-05	9
Rtcb	4.88E-10	0.286	0.439	0.281	1.21E-05	9
Rhoa	5.40E-10	0.286	0.917	0.752	1.34E-05	9
Smad7	6.03E-10	-0.864	0.236	0.396	1.50E-05	9
Nr4a2	6.09E-10	0.420	0.678	0.503	1.51E-05	9
Ak2	6.12E-10	0.282	0.601	0.416	1.52E-05	9
Creld2	6.20E-10	-0.424	0.13	0.288	1.54E-05	9
Nxf1	6.31E-10	0.296	0.598	0.423	1.57E-05	9
Tmem65	6.47E-10	-0.522	0.14	0.293	1.61E-05	9
Ssh2	6.48E-10	-0.641	0.1	0.251	1.61E-05	9
Rpl15	6.69E-10	0.311	0.93	0.771	1.66E-05	9
Nisch	6.79E-10	-0.674	0.252	0.413	1.69E-05	9
Nus1	6.95E-10	-0.582	0.299	0.437	1.73E-05	9
Aif1	7.06E-10	-0.840	0.272	0.415	1.75E-05	9
Rpl35a	7.33E-10	0.268	0.963	0.86	1.82E-05	9
Glrx5	8.81E-10	-0.403	0.126	0.283	2.19E-05	9
Atp6v1a	1.09E-09	-0.859	0.512	0.581	2.71E-05	9

Bach1	1.12E-09	-0.794	0.402	0.519	2.77E-05	9
Gm47283	1.13E-09	-0.899	0.342	0.494	2.80E-05	9
Sec61b	1.16E-09	0.398	0.771	0.596	2.88E-05	9
Atp6ap1	1.19E-09	-0.619	0.449	0.544	2.95E-05	9
Mif	1.26E-09	-0.627	0.395	0.54	3.13E-05	9
Sgk1	1.29E-09	-0.803	0.189	0.347	3.19E-05	9
Nup88	1.33E-09	0.258	0.319	0.189	3.30E-05	9
Hnrnpab	1.37E-09	-0.535	0.741	0.74	3.40E-05	9
Parp4	1.40E-09	0.252	0.312	0.179	3.48E-05	9
Eaf1	1.45E-09	-0.519	0.239	0.396	3.60E-05	9
Mlec	1.54E-09	-0.368	0.106	0.26	3.83E-05	9
Abr	1.76E-09	-0.497	0.123	0.281	4.38E-05	9
Dbi	1.77E-09	-0.632	0.505	0.567	4.41E-05	9
Cerk	1.79E-09	-0.454	0.103	0.255	4.45E-05	9
Nt5c	1.80E-09	0.324	0.442	0.292	4.47E-05	9
Rexo2	1.97E-09	-0.462	0.223	0.375	4.89E-05	9
Pttg1ip	2.09E-09	-0.574	0.272	0.422	5.18E-05	9
Serinc3	2.14E-09	-0.761	0.814	0.79	5.32E-05	9
Akr1b3	2.15E-09	-0.457	0.199	0.362	5.33E-05	9
Wdr26	2.60E-09	-0.564	0.678	0.711	6.45E-05	9
Ccn1	2.76E-09	-0.663	0.791	0.822	6.85E-05	9
Pten	2.78E-09	0.326	0.751	0.593	6.90E-05	9
Cd2bp2	2.92E-09	0.250	0.266	0.146	7.25E-05	9
Pgd	2.94E-09	-0.532	0.292	0.437	7.31E-05	9
Eif3c	3.03E-09	0.317	0.741	0.557	7.52E-05	9
Ythdf2	3.37E-09	0.254	0.502	0.342	8.36E-05	9
Ap2a2	3.37E-09	-0.440	0.133	0.281	8.38E-05	9
Comt	3.56E-09	-0.451	0.136	0.284	8.84E-05	9
Hmgn5	3.57E-09	-0.550	0.13	0.283	8.88E-05	9
Psmc6	3.58E-09	0.331	0.588	0.429	8.90E-05	9
Hsd17b11	3.64E-09	0.544	0.485	0.361	9.04E-05	9
Rpl34	4.45E-09	0.266	0.937	0.857	0.000110593	9
Hspe1	4.60E-09	0.299	0.817	0.626	0.000114341	9
Nr3c1	4.77E-09	-0.905	0.252	0.393	0.000118383	9
Tln1	4.92E-09	-0.559	0.674	0.673	0.00012216	9
Pank2	5.43E-09	0.259	0.272	0.154	0.000134754	9
Atf6	5.44E-09	-0.477	0.176	0.334	0.000135203	9
Zfp644	6.16E-09	0.267	0.282	0.16	0.000152977	9
Stat6	6.34E-09	0.270	0.409	0.274	0.000157458	9
Mbp	6.35E-09	0.306	0.302	0.177	0.000157666	9
Srrm1	6.40E-09	0.307	0.86	0.685	0.000158923	9
Agpat5	6.51E-09	-0.428	0.13	0.279	0.00016174	9
Rpl26	7.05E-09	0.276	0.927	0.768	0.00017504	9
Spop	7.10E-09	0.410	0.542	0.403	0.000176427	9
Fnip1	7.21E-09	-0.662	0.462	0.564	0.000179058	9
Tent5a	7.38E-09	-1.060	0.252	0.407	0.000183307	9

Sptssa	7.46E-09	-0.403	0.166	0.31	0.000185319	9
Tob1	7.49E-09	-0.806	0.405	0.535	0.000186139	9
Colgalt1	7.52E-09	0.360	0.425	0.288	0.000186789	9
B4galt1	7.58E-09	-0.534	0.322	0.477	0.000188222	9
Cat	7.76E-09	0.274	0.329	0.202	0.000192715	9
Gpr65	7.77E-09	0.373	0.551	0.39	0.000192911	9
Slc39a7	8.20E-09	-0.382	0.203	0.36	0.000203784	9
Mapk3	8.78E-09	0.287	0.502	0.343	0.000218153	9
Impdh1	9.21E-09	-0.387	0.106	0.254	0.000228871	9
Aldh2	9.76E-09	-0.561	0.209	0.347	0.000242423	9
Tsc22d3	9.82E-09	-0.660	0.289	0.427	0.00024399	9
Prdx1	1.01E-08	-0.863	0.688	0.673	0.000249737	9
P4ha1	1.02E-08	-0.604	0.216	0.359	0.000252362	9
Lbh	1.03E-08	-0.465	0.11	0.252	0.000255051	9
Xpr1	1.04E-08	-0.370	0.106	0.252	0.000259182	9
H2-T23	1.06E-08	0.259	0.674	0.501	0.000262494	9
Eif5a	1.13E-08	-0.460	0.887	0.819	0.000281114	9
Ube2r2	1.14E-08	0.253	0.595	0.428	0.000283128	9
Atf1	1.19E-08	-0.586	0.292	0.43	0.000295185	9
Abl2	1.24E-08	-0.522	0.229	0.38	0.000308092	9
Ezr	1.26E-08	-0.703	0.674	0.713	0.00031407	9
Plac8	1.27E-08	-1.216	0.173	0.314	0.000315136	9
Ckap4	1.27E-08	-0.466	0.116	0.264	0.000315204	9
H2afj	1.30E-08	-0.582	0.252	0.393	0.000323844	9
Apobec1	1.33E-08	-0.597	0.183	0.328	0.0003298	9
Sf3b5	1.33E-08	-0.362	0.136	0.287	0.000329957	9
Ptpn12	1.35E-08	-0.511	0.116	0.258	0.000335702	9
Ywhah	1.47E-08	0.311	0.797	0.623	0.000364116	9
Zfp36	1.47E-08	-0.866	0.854	0.838	0.000365439	9
Coro2a	1.53E-08	0.290	0.342	0.213	0.000379335	9
Chordc1	1.66E-08	0.274	0.472	0.328	0.000412534	9
Man2a1	1.73E-08	-0.533	0.243	0.386	0.000430223	9
Klf10	1.74E-08	-0.463	0.136	0.284	0.000433383	9
Hprt	1.77E-08	-0.457	0.286	0.418	0.000438908	9
Tnfsf9	1.81E-08	0.523	0.252	0.142	0.000450349	9
Abi1	1.85E-08	0.280	0.714	0.563	0.00045931	9
Tnfrsf12a	1.90E-08	-0.617	0.116	0.251	0.000471539	9
Aplp2	2.02E-08	0.266	0.668	0.476	0.00050163	9
S100a6	2.11E-08	-0.726	0.764	0.776	0.000523093	9
Galnt6	2.11E-08	-0.451	0.113	0.254	0.000523875	9
Tsc22d1	2.16E-08	0.491	0.316	0.199	0.000536249	9
Ddx21	2.22E-08	-0.627	0.402	0.513	0.000552298	9
Rpl14	2.28E-08	0.278	0.877	0.682	0.000566413	9
Calu	2.38E-08	-0.488	0.206	0.341	0.000590593	9
Hmgb1	2.42E-08	-0.692	0.611	0.639	0.000601891	9
Rpn2	2.45E-08	-0.423	0.229	0.368	0.000608831	9

Ndufa12	2.47E-08	-0.446	0.246	0.378	0.000614713	9
Tpi1	2.59E-08	-0.700	0.495	0.575	0.000642597	9
Mndal	2.63E-08	-0.593	0.292	0.449	0.000654483	9
Emp3	2.77E-08	-0.555	0.635	0.674	0.000688045	9
Mapk6	2.95E-08	-0.631	0.452	0.568	0.000733861	9
Hk2	3.00E-08	-0.607	0.239	0.388	0.000745748	9
Wdr83os	3.31E-08	-0.459	0.276	0.408	0.000823255	9
Ubc	3.66E-08	-0.482	0.973	0.954	0.000908345	9
Stk17b	3.80E-08	-0.787	0.545	0.632	0.000944979	9
Clec12a	3.81E-08	-0.370	0.13	0.276	0.000947298	9
Rsrp1	3.92E-08	-0.616	0.757	0.777	0.000973083	9
Rap1gds1	4.04E-08	-0.330	0.126	0.266	0.00100267	9
Zc3h12a	4.09E-08	-0.631	0.312	0.456	0.001016346	9
Snx8	4.88E-08	-0.438	0.143	0.281	0.001213034	9
Slc35b1	4.89E-08	-0.364	0.179	0.322	0.001215545	9
Psma3	4.97E-08	0.306	0.738	0.565	0.001235625	9
Mgat1	5.01E-08	-0.365	0.159	0.305	0.001244501	9
Dnajb14	5.16E-08	0.380	0.359	0.228	0.001281354	9
Rpl37	5.29E-08	0.255	0.947	0.844	0.001313715	9
Ddost	5.94E-08	-0.449	0.299	0.414	0.00147663	9
Sbds	6.99E-08	0.262	0.452	0.322	0.001735697	9
Ifitm3	7.06E-08	-1.013	0.495	0.561	0.001754701	9
Cd52	7.51E-08	-0.500	0.907	0.833	0.001865109	9
Psma5	7.84E-08	0.266	0.425	0.294	0.001947457	9
Ii10rb	8.54E-08	-0.726	0.392	0.492	0.002120487	9
Ms4a4c	8.54E-08	-0.576	0.156	0.299	0.00212178	9
Gadd45g	9.83E-08	-0.795	0.136	0.263	0.002440485	9
Slc9a1	1.04E-07	0.281	0.272	0.163	0.002583656	9
Bsg	1.13E-07	-0.710	0.532	0.569	0.002801727	9
Denr	1.24E-07	-0.473	0.252	0.398	0.003082032	9
Leprotl1	1.38E-07	-0.431	0.246	0.386	0.003428526	9
Adam8	1.42E-07	-0.898	0.648	0.672	0.003516405	9
Nptn	1.53E-07	-0.496	0.412	0.51	0.003790682	9
Dnase2a	1.57E-07	-0.402	0.126	0.252	0.003901735	9
Uhmk1	1.65E-07	0.280	0.402	0.276	0.004105305	9
Dnajc1	1.67E-07	0.462	0.329	0.218	0.004140027	9
Esd	1.74E-07	-0.827	0.495	0.545	0.004319015	9
Nup62	1.80E-07	0.270	0.449	0.311	0.004475198	9
Selenos	1.92E-07	-0.414	0.272	0.405	0.004776769	9
Skap2	1.96E-07	0.277	0.608	0.457	0.004874695	9
Ypel3	1.98E-07	-0.595	0.153	0.284	0.004913517	9
Psmc7	2.21E-07	0.264	0.555	0.398	0.00549581	9
Atp6v0a1	2.22E-07	0.300	0.365	0.236	0.005519822	9
Rara	2.28E-07	-0.500	0.213	0.349	0.005661822	9
Lysmd3	2.30E-07	-0.508	0.156	0.284	0.005717374	9
Tnfrsf25	2.32E-07	0.296	0.488	0.33	0.005758171	9

Tcf4	2.32E-07	0.423	0.415	0.289	0.005774036	9
Rnh1	2.59E-07	-0.648	0.551	0.591	0.006428593	9
Msrbl	2.67E-07	-0.870	0.355	0.459	0.006635619	9
Tns3	2.73E-07	-0.404	0.143	0.269	0.006774016	9
Fubp1	2.76E-07	-0.460	0.219	0.348	0.006852641	9
Slc16a1	2.84E-07	-0.375	0.13	0.263	0.007046296	9
Tyrobp	2.94E-07	-0.623	0.87	0.712	0.00729274	9
Eri1	2.98E-07	0.297	0.339	0.222	0.007407891	9
Stt3b	3.20E-07	-0.390	0.209	0.34	0.007944591	9
Odc1	3.35E-07	-1.212	0.648	0.686	0.008320666	9
Slc44a2	3.44E-07	-0.430	0.146	0.277	0.008532559	9
Gng12	3.46E-07	-0.441	0.183	0.318	0.008599762	9
Cmtm3	3.64E-07	-0.501	0.286	0.398	0.009043032	9
B4galt5	3.69E-07	-0.554	0.359	0.48	0.009171497	9
Samd8	3.69E-07	-0.510	0.156	0.279	0.009176894	9
Elmo1	3.87E-07	-0.448	0.213	0.345	0.00962464	9
Azin1	3.93E-07	-0.700	0.538	0.605	0.009762098	9
Rbbp6	4.09E-07	-0.591	0.684	0.728	0.010160523	9
Rilpl2	4.36E-07	-0.672	0.558	0.618	0.010830697	9
Ralb	4.55E-07	-0.438	0.259	0.387	0.011306352	9
Fndc3b	4.64E-07	-0.451	0.199	0.334	0.011524414	9
Cdk2ap2	4.74E-07	-0.510	0.292	0.422	0.011770412	9
Nop10	4.89E-07	-0.360	0.196	0.327	0.012146064	9
Stmn1	5.20E-07	-0.752	0.163	0.279	0.012927855	9
Mfsd5	5.43E-07	-0.336	0.153	0.286	0.013481871	9
Cebpz	5.52E-07	-0.462	0.209	0.341	0.013701685	9
Sar1b	5.57E-07	-0.261	0.126	0.255	0.01383117	9
Cpeb2	6.15E-07	-0.539	0.156	0.282	0.015278601	9
Cdk12	6.44E-07	0.253	0.492	0.349	0.015995459	9
Mkrn1	6.70E-07	0.390	0.631	0.515	0.016632476	9
Dock8	6.90E-07	0.296	0.395	0.276	0.017145681	9
Hcfc1r1	7.25E-07	0.268	0.432	0.309	0.01799924	9
Camk2d	7.46E-07	-0.388	0.14	0.269	0.01853658	9
Fosb	7.64E-07	-0.720	0.678	0.712	0.018982623	9
Syk	8.53E-07	-0.694	0.442	0.528	0.021193585	9
Ssbp3	8.98E-07	-0.433	0.14	0.263	0.022312438	9
Higd2a	9.32E-07	0.346	0.465	0.35	0.023148442	9
Ifi2712a	9.37E-07	-0.648	0.435	0.535	0.023272591	9
Nolc1	9.48E-07	-0.392	0.183	0.314	0.023537957	9
Nadk	9.94E-07	-0.439	0.183	0.311	0.024686235	9
mt-Co3	1.10E-06	-0.293	0.99	0.962	0.027415939	9
Ap3s1	1.11E-06	-0.488	0.302	0.414	0.027449724	9
Sqle	1.14E-06	0.357	0.262	0.162	0.028375947	9
Reep5	1.17E-06	-0.437	0.601	0.615	0.029034139	9
Dnajb11	1.18E-06	-0.384	0.289	0.405	0.029430602	9
Gnl3	1.30E-06	-0.408	0.306	0.426	0.032362477	9



Adgre5	1.34E-06	-0.563	0.186	0.309	0.033291851	9
Vma21	1.45E-06	-0.290	0.133	0.252	0.035935771	9
Egln1	1.46E-06	-0.445	0.203	0.326	0.03618575	9
Tcirg1	1.62E-06	-0.424	0.355	0.501	0.040248018	9
Hadhb	1.64E-06	-0.295	0.14	0.265	0.040716065	9
Eea1	1.68E-06	-0.801	0.392	0.483	0.041773455	9
Nktr	1.73E-06	-0.590	0.395	0.497	0.043023777	9
Eprs	1.78E-06	0.393	0.522	0.412	0.044152365	9
Ola1	1.86E-06	0.316	0.425	0.309	0.046207637	9
Eif3j1	2.02E-06	-0.420	0.385	0.503	0.050130662	9
Zfp91	2.08E-06	-0.431	0.532	0.616	0.051627543	9
Slk	2.08E-06	-0.652	0.442	0.531	0.051704298	9
Brix1	2.08E-06	-0.301	0.169	0.298	0.05174429	9
H13	2.09E-06	-0.477	0.326	0.43	0.051789937	9
Syvn1	2.22E-06	-0.416	0.196	0.317	0.055166659	9
Prkar2a	2.41E-06	0.345	0.369	0.26	0.059920461	9
Laptm4a	2.49E-06	-0.431	0.664	0.663	0.061834284	9
Polr2f	2.68E-06	-0.328	0.176	0.298	0.066667918	9
Cpt1a	2.92E-06	-0.300	0.219	0.349	0.072525988	9
Arhgef1	3.07E-06	-0.455	0.213	0.338	0.076245893	9
Tm9sf3	3.08E-06	-0.519	0.542	0.577	0.076466555	9
Znrf2	3.10E-06	-0.358	0.156	0.274	0.076879605	9
Tiam1	3.28E-06	-0.422	0.14	0.254	0.081508722	9
Atp6ap2	3.38E-06	-0.451	0.618	0.646	0.08388879	9
Dhrs3	3.40E-06	-0.444	0.153	0.264	0.084333652	9
Usp1	3.73E-06	-0.421	0.14	0.252	0.092630752	9
Twistnb	4.12E-06	-0.299	0.14	0.258	0.102357488	9
Ndfip2	4.17E-06	-0.422	0.243	0.361	0.103492964	9
Kdelr2	4.50E-06	-0.319	0.189	0.305	0.111808482	9
BC005537	4.71E-06	-0.488	0.718	0.72	0.116877691	9
Eif5	4.73E-06	-0.442	0.894	0.859	0.117441	9
Cycs	5.08E-06	-0.408	0.389	0.462	0.126091104	9
Eps15l1	5.44E-06	0.292	0.272	0.177	0.135227407	9
Ptk2b	5.63E-06	-0.553	0.186	0.303	0.139928368	9
Gabarapl1	5.83E-06	0.260	0.435	0.322	0.144782528	9
Ndufa2	5.96E-06	-0.429	0.681	0.654	0.147926753	9
Sdhc	6.16E-06	-0.275	0.199	0.312	0.152938271	9
Zfp703	6.19E-06	-0.503	0.422	0.52	0.15377154	9
Irak1	6.53E-06	0.270	0.512	0.387	0.162095076	9
Nr4a1	6.60E-06	-0.784	0.449	0.529	0.163998429	9
Fgl2	6.68E-06	-0.620	0.319	0.424	0.16580649	9
Gna13	7.32E-06	-0.477	0.821	0.811	0.18170225	9
Midn	7.53E-06	-0.479	0.455	0.551	0.187023273	9
Pdhd	7.57E-06	-0.419	0.219	0.338	0.187954297	9
Ugp2	8.38E-06	-0.305	0.176	0.292	0.208250274	9
Dad1	8.73E-06	-0.320	0.532	0.587	0.216892082	9

Higd1a	8.85E-06	-0.377	0.296	0.414	0.21980054	9
Slc26a2	9.31E-06	0.332	0.452	0.346	0.231243401	9
Mfsd1	9.36E-06	-0.520	0.342	0.425	0.232452175	9
Lpin2	1.06E-05	-0.451	0.159	0.275	0.263382002	9
Eif5b	1.06E-05	-0.474	0.605	0.631	0.263993707	9
Srsf2	1.23E-05	-0.363	0.894	0.859	0.305828232	9
Taldo1	1.27E-05	-0.637	0.548	0.582	0.315025176	9
App	1.40E-05	-0.629	0.661	0.607	0.34720362	9
Fam214b	1.42E-05	-0.422	0.213	0.319	0.352682706	9
Lrrc8d	1.50E-05	-0.536	0.302	0.411	0.373364093	9
Selenof	1.52E-05	-0.488	0.571	0.55	0.377225043	9
Fkbp3	1.54E-05	-0.326	0.159	0.27	0.383350124	9
Rps6ka3	1.63E-05	-0.324	0.189	0.298	0.40586865	9
Zfp326	1.69E-05	-0.384	0.153	0.262	0.420527651	9
Atp6v1b2	1.80E-05	-0.574	0.645	0.625	0.447676431	9
Ppp1cc	1.88E-05	-0.617	0.405	0.472	0.467209757	9
H2-DMb1	1.89E-05	-0.524	0.216	0.31	0.470645358	9
Mia2	1.95E-05	-0.456	0.402	0.488	0.483426349	9
2610507B11Rik	1.96E-05	-0.377	0.209	0.319	0.487687975	9
Fndc3a	2.09E-05	-0.423	0.199	0.312	0.518728696	9
Itgav	2.23E-05	-0.681	0.292	0.389	0.554056144	9
Fam120a	2.28E-05	-0.406	0.419	0.492	0.566247149	9
Nars	2.33E-05	-0.428	0.422	0.504	0.578782871	9
Clk4	2.56E-05	-0.359	0.252	0.368	0.635631021	9
Ik	2.73E-05	-0.457	0.535	0.582	0.679035989	9
Ubap1	2.81E-05	-0.516	0.176	0.274	0.698720793	9
Tgif1	2.85E-05	-0.556	0.761	0.763	0.706894208	9
Slc11a2	2.92E-05	-0.323	0.166	0.269	0.725217707	9
Rap1a	2.95E-05	-0.417	0.585	0.606	0.731730411	9
Myd88	2.99E-05	-0.277	0.169	0.272	0.74361541	9
Cd2ap	3.40E-05	0.251	0.329	0.236	0.843486046	9
Lrrfip2	3.50E-05	-0.488	0.239	0.343	0.869408403	9
Sec31a	3.51E-05	-0.367	0.279	0.384	0.870783209	9
Anpep	3.70E-05	-0.504	0.173	0.267	0.919666276	9
Bcas2	4.05E-05	-0.320	0.223	0.33	1	9
Pbrm1	4.09E-05	0.705	0.462	0.347	1	9
Hist1h1c	4.19E-05	0.454	0.472	0.374	1	9
Cdc42se2	4.39E-05	-0.349	0.233	0.34	1	9
Lamtor3	4.42E-05	-0.317	0.229	0.33	1	9
Zranb2	4.71E-05	-0.364	0.216	0.314	1	9
Rbms1	4.80E-05	-0.534	0.678	0.671	1	9
Myd88	4.81E-05	-0.314	0.186	0.287	1	9
Clint1	4.86E-05	-0.544	0.402	0.479	1	9
Mknk2	4.96E-05	-0.452	0.721	0.722	1	9
Osm	5.07E-05	-1.032	0.329	0.403	1	9
Pena	5.51E-05	-0.498	0.671	0.666	1	9

Hnrnpu	5.78E-05	-0.387	0.787	0.733	1	9
Nsd3	5.97E-05	-0.579	0.532	0.606	1	9
Pi4k2a	6.01E-05	-0.318	0.243	0.352	1	9
Atp11b	6.04E-05	-0.774	0.415	0.487	1	9
Hexim1	6.18E-05	-0.610	0.678	0.716	1	9
Uchl5	6.26E-05	-0.310	0.203	0.302	1	9
Sertad1	6.41E-05	-0.451	0.236	0.333	1	9
Metap2	6.50E-05	-0.412	0.402	0.474	1	9
Slc7a11	6.56E-05	-0.624	0.346	0.225	1	9
Zdhhc20	6.67E-05	-0.397	0.209	0.309	1	9
Ptgs2	6.73E-05	-1.370	0.199	0.294	1	9
Cited2	6.87E-05	-0.747	0.445	0.518	1	9
Rraga	6.88E-05	-0.449	0.392	0.471	1	9
Ppp2r2a	7.33E-05	-0.383	0.419	0.511	1	9
Tmem248	7.40E-05	-0.395	0.326	0.417	1	9
Rragc	7.48E-05	-0.477	0.449	0.498	1	9
Fkbp4	7.69E-05	-0.265	0.169	0.27	1	9
Csnk1e	7.72E-05	-0.419	0.193	0.297	1	9
Srsf11	7.75E-05	-0.570	0.734	0.711	1	9
Ewsr1	7.93E-05	-0.326	0.691	0.701	1	9
Sap18	7.97E-05	-0.627	0.439	0.507	1	9
Abcg1	8.44E-05	-0.392	0.226	0.321	1	9
Sec62	8.62E-05	-0.485	0.561	0.604	1	9
Adam9	8.83E-05	-0.321	0.279	0.377	1	9
Ccdc47	9.16E-05	-0.256	0.173	0.269	1	9
Fbl	9.18E-05	-0.281	0.183	0.284	1	9
Hif1a	0.0001054	-0.569	0.385	0.457	1	9
Mat2a	0.00010849	-0.516	0.525	0.582	1	9
Sec11c	0.00010868	-0.355	0.488	0.536	1	9
Ap1s2	0.00011061	-0.323	0.199	0.298	1	9
Sp3	0.0001123	-0.429	0.309	0.401	1	9
Pbdc1	0.00011413	-0.322	0.186	0.288	1	9
Casp8	0.00011461	-0.329	0.262	0.362	1	9
Hsd17b12	0.00011879	-0.289	0.339	0.423	1	9
Pgk1	0.0001205	-0.479	0.738	0.723	1	9
Ppp1r18	0.0001234	-0.401	0.455	0.523	1	9
Abracl	0.00013003	0.283	0.651	0.542	1	9
Pa2g4	0.00013292	-0.459	0.379	0.448	1	9
Zmiz1	0.00013575	-0.488	0.455	0.506	1	9
Irf2	0.00013615	-0.415	0.259	0.353	1	9
Dnmt3a	0.00013691	-0.383	0.176	0.27	1	9
Rwdd1	0.00013719	-0.310	0.259	0.352	1	9
Ipo7	0.00013968	-0.346	0.339	0.432	1	9
Slc1a5	0.00014006	-0.332	0.276	0.377	1	9
Anp32e	0.00014016	-0.452	0.359	0.438	1	9
Sms	0.0001449	-0.328	0.186	0.28	1	9

Ube3a	0.00015286	-0.391	0.249	0.346	1	9
Ikzf1	0.00015344	-0.303	0.183	0.288	1	9
Abhd2	0.00016163	0.256	0.276	0.195	1	9
Vapa	0.00016435	-0.404	0.628	0.62	1	9
Serbp1	0.00016781	-0.416	0.837	0.746	1	9
Rsl1d1	0.00018416	-0.259	0.236	0.329	1	9
Glimp	0.00018747	-0.368	0.312	0.384	1	9
Epn1	0.00018831	-0.294	0.249	0.344	1	9
Zbtb11	0.00018972	-0.303	0.156	0.254	1	9
Creg1	0.00019402	-0.604	0.332	0.394	1	9
Map1lc3b	0.00019623	-0.380	0.771	0.735	1	9
Jak1	0.00020628	-0.516	0.678	0.675	1	9
Isyna1	0.000217	-0.299	0.159	0.252	1	9
Suco	0.00023111	-0.640	0.309	0.387	1	9
Rnf213	0.00023163	-0.568	0.219	0.315	1	9
Slc16a3	0.00023943	-0.396	0.173	0.262	1	9
Impact	0.00024476	-0.354	0.266	0.365	1	9
Hdgf	0.00025031	-0.484	0.525	0.56	1	9
Magoh	0.00026431	-0.290	0.243	0.338	1	9
Atp5g1	0.0002651	-0.379	0.492	0.517	1	9
Pole4	0.00026937	-0.251	0.199	0.299	1	9
Sars	0.00027516	-0.303	0.249	0.336	1	9
Ddx46	0.00028037	-0.343	0.243	0.334	1	9
Rnf13	0.00028156	-0.276	0.223	0.307	1	9
Stx3	0.00028545	-0.419	0.199	0.288	1	9
Irgm1	0.00029352	-0.387	0.189	0.285	1	9
Klf4	0.0002938	-0.702	0.638	0.617	1	9
Pcf11	0.00029466	-0.510	0.455	0.518	1	9
Atf7ip	0.00029731	-0.572	0.229	0.314	1	9
Cdca4	0.0003043	-0.282	0.189	0.281	1	9
Agpat4	0.00030974	-0.458	0.266	0.353	1	9
Lman2	0.00031123	-0.339	0.369	0.433	1	9
Baiap2	0.00032076	-0.326	0.186	0.279	1	9
Fkbp1a	0.00032495	-0.377	0.525	0.558	1	9
Tulp4	0.00034364	-0.274	0.209	0.301	1	9
Slc30a1	0.00035118	-0.501	0.302	0.379	1	9
Srsf6	0.00036111	-0.357	0.591	0.633	1	9
Mylip	0.00042153	-0.323	0.223	0.305	1	9
Atg12	0.00043555	-0.297	0.199	0.29	1	9
Ran	0.00043565	-0.428	0.804	0.706	1	9
Uhrf1bp1l	0.00044023	-0.257	0.163	0.253	1	9
Tmem59	0.00044772	-0.396	0.419	0.459	1	9
Pgs1	0.00044894	-0.296	0.183	0.27	1	9
Gda	0.00046453	-0.354	0.302	0.393	1	9
Ppp1r12c	0.0004656	-0.329	0.239	0.332	1	9
Vps37b	0.00046784	-0.643	0.571	0.628	1	9

Tubb2a	0.00048138	0.311	0.412	0.322	1	9
Ndfip1	0.00049313	-0.430	0.229	0.308	1	9
Herc1	0.00051005	-0.451	0.196	0.283	1	9
Derl1	0.00054955	-0.323	0.412	0.482	1	9
Olfm1	0.00055049	-0.340	0.206	0.289	1	9
Tmbim4	0.00057521	0.394	0.402	0.337	1	9
Pfdn2	0.00057809	-0.300	0.276	0.362	1	9
Snrpf	0.00058117	-0.364	0.409	0.46	1	9
Naa15	0.00061015	-0.352	0.385	0.47	1	9
Nemf	0.00061729	-0.266	0.249	0.343	1	9
Brox	0.00062137	-0.272	0.169	0.257	1	9
Adss	0.00062341	-0.409	0.372	0.444	1	9
Srp19	0.00067712	-0.298	0.359	0.43	1	9
Itga5	0.00072366	-0.648	0.405	0.459	1	9
Smc4	0.00072573	-0.617	0.309	0.379	1	9
Spcs1	0.00076751	-0.330	0.379	0.436	1	9
Psen1	0.00079204	-0.302	0.372	0.448	1	9
Cast	0.00082434	-0.407	0.362	0.431	1	9
Golga4	0.00085339	-0.394	0.239	0.317	1	9
Srp72	0.00086949	-0.342	0.369	0.433	1	9
Phf23	0.00089398	-0.388	0.389	0.462	1	9
Hmgb2	0.0009273	-0.769	0.681	0.676	1	9
Ranbp1	0.0009841	-0.339	0.302	0.367	1	9
Pdha1	0.00099302	-0.267	0.216	0.298	1	9
Snhg6	0.00100735	-0.253	0.233	0.317	1	9
Per1	0.00104589	-0.344	0.203	0.284	1	9
Il17ra	0.00105553	-0.410	0.213	0.29	1	9
Ssrp1	0.00109909	-0.279	0.233	0.31	1	9
Sdc3	0.00111477	-0.448	0.352	0.394	1	9
Ivns1abp	0.00114978	-0.392	0.342	0.423	1	9
Tuba1c	0.00123895	-0.447	0.767	0.725	1	9
Jarid2	0.00123946	-0.451	0.355	0.436	1	9
Fam50a	0.00130198	-0.284	0.203	0.286	1	9
Slc8b1	0.00134377	-0.277	0.196	0.277	1	9
Acap2	0.00136557	-0.311	0.299	0.379	1	9
Plekho2	0.00138278	-0.352	0.419	0.481	1	9
Tubb6	0.00139154	-0.425	0.455	0.504	1	9
Fbxo33	0.00140232	-0.448	0.309	0.386	1	9
Usp48	0.00141498	-0.281	0.183	0.262	1	9
Cbl	0.00151116	-0.355	0.385	0.448	1	9
Alkbh5	0.00152018	-0.473	0.515	0.544	1	9
Nfkbiz	0.00153797	-0.825	0.389	0.444	1	9
Wdr43	0.0015874	-0.259	0.219	0.299	1	9
Bag1	0.00160624	-0.250	0.249	0.328	1	9
Ankrd11	0.00161153	-0.502	0.505	0.556	1	9
Msn	0.00164343	-0.343	0.804	0.739	1	9

Hmgn2	0.00170323	-0.350	0.219	0.291	1	9
Oxct1	0.00171337	-0.354	0.292	0.355	1	9
Zfp292	0.00172015	-0.541	0.209	0.281	1	9
Anxa11	0.00178661	-0.435	0.488	0.535	1	9
Tra2b	0.00179012	-0.374	0.741	0.702	1	9
Snrpb	0.0018524	-0.376	0.605	0.592	1	9
Gm16286	0.00185532	-0.315	0.239	0.317	1	9
Atp5g3	0.00189817	-0.337	0.744	0.668	1	9
Ndufb11	0.00189854	-0.301	0.349	0.416	1	9
Rybp	0.00196245	-0.566	0.528	0.57	1	9
Tecr	0.00201244	-0.254	0.243	0.323	1	9
Cox7b	0.00209469	-0.312	0.568	0.568	1	9
Rangap1	0.00215443	-0.361	0.292	0.359	1	9
Xpo6	0.0022301	-0.314	0.199	0.277	1	9
Fundc2	0.00228109	-0.288	0.246	0.319	1	9
Rsb1	0.00231406	-0.365	0.226	0.3	1	9
Ly86	0.00241176	-0.562	0.462	0.472	1	9
Bst2	0.00242814	-0.283	0.286	0.36	1	9
Gsk3b	0.00256221	-0.404	0.405	0.462	1	9
Degs1	0.00265461	-0.360	0.405	0.462	1	9
Taf1d	0.0026714	-0.334	0.498	0.546	1	9
Tsc22d2	0.00269814	-0.326	0.216	0.289	1	9
Adipor1	0.00271929	-0.510	0.425	0.462	1	9
Ptpn6	0.00288675	-0.332	0.266	0.336	1	9
Zfand5	0.00299406	-0.521	0.741	0.681	1	9
Hdlbp	0.00299948	-0.348	0.595	0.596	1	9
Npm3	0.00304183	-0.315	0.236	0.302	1	9
Prrc2c	0.00323124	-0.424	0.688	0.675	1	9
Matr3	0.00323734	-0.421	0.382	0.433	1	9
Trpm7	0.00324703	-0.346	0.296	0.373	1	9
Mat2b	0.00330614	-0.349	0.203	0.272	1	9
Bnip3l	0.00357381	-0.495	0.399	0.444	1	9
Prkacb	0.00402125	-0.302	0.209	0.273	1	9
Tubb4b	0.00414356	-0.383	0.458	0.502	1	9
Tut7	0.00416002	-0.441	0.435	0.485	1	9
Tuba4a	0.00427289	-0.260	0.223	0.295	1	9
Eif4g2	0.00428368	-0.281	0.811	0.75	1	9
Hspa9	0.00428369	-0.297	0.359	0.422	1	9
Mdh1	0.00478192	-0.382	0.382	0.423	1	9
Bcap31	0.00480752	-0.285	0.332	0.386	1	9
Map3k2	0.00484198	-0.322	0.223	0.289	1	9
Epc2	0.00498228	-0.281	0.193	0.262	1	9
Asah1	0.00550201	-0.358	0.329	0.355	1	9
Brwd1	0.00594714	-0.375	0.189	0.251	1	9
Ngdn	0.00622022	-0.304	0.199	0.263	1	9
Srrt	0.00627893	-0.316	0.262	0.331	1	9

Oser1	0.00637138	-0.342	0.399	0.454	1	9
Fbxo34	0.0064956	-0.430	0.206	0.268	1	9
Ndufa13	0.0066793	-0.256	0.389	0.435	1	9
Tkt	0.00672332	-0.267	0.439	0.478	1	9
Ilf3	0.00672916	-0.414	0.312	0.379	1	9
Itgax	0.00715332	-0.331	0.189	0.255	1	9
Snx3	0.00727187	-0.304	0.771	0.67	1	9
Elmsan1	0.0074662	-0.477	0.239	0.299	1	9
Spn	0.00757051	-0.301	0.206	0.273	1	9
Usf2	0.0077749	-0.408	0.485	0.498	1	9
Hsbp1	0.00782462	-0.269	0.329	0.38	1	9
Atp6v1d	0.00782749	-0.368	0.478	0.499	1	9
Sra1	0.00829261	-0.359	0.419	0.459	1	9
Rock1	0.00871317	-0.406	0.598	0.608	1	9
Zfand2a	0.0089925	-0.396	0.322	0.379	1	9
Eif3b	0.00937669	-0.279	0.435	0.463	1	9
Brpf1	0.00940398	-0.278	0.189	0.254	1	9
Pclaf	0	2.271	0.949	0.081	0	10
Birc5	0	1.748	0.911	0.08	0	10
Ccna2	0	1.289	0.79	0.05	0	10
Cdca8	0	1.121	0.832	0.063	0	10
Spc24	0	0.968	0.822	0.048	0	10
Tk1	0	0.937	0.692	0.037	0	10
Cdca3	0	0.899	0.71	0.037	0	10
Bub1	0	0.776	0.631	0.033	0	10
Kif15	0	0.704	0.687	0.036	0	10
Nuf2	0	0.652	0.612	0.029	0	10
Pbk	0	0.566	0.444	0.011	0	10
Hmmr	1.36E-299	0.779	0.547	0.026	3.37E-295	10
Nusap1	4.90E-294	0.927	0.659	0.041	1.22E-289	10
Top2a	5.22E-294	2.091	0.939	0.103	1.30E-289	10
Aurkb	1.06E-293	0.633	0.593	0.033	2.63E-289	10
Diaph3	3.77E-291	0.762	0.678	0.045	9.37E-287	10
Ube2c	1.56E-287	1.774	0.799	0.071	3.86E-283	10
Cdk1	1.82E-279	1.226	0.785	0.071	4.51E-275	10
Cenpe	5.89E-278	1.023	0.626	0.04	1.46E-273	10
Mki67	1.90E-275	2.010	0.949	0.114	4.72E-271	10
Ncapg	2.15E-272	0.608	0.565	0.032	5.35E-268	10
Tacc3	8.63E-272	0.914	0.771	0.068	2.14E-267	10
Spc25	8.36E-267	0.642	0.565	0.033	2.08E-262	10
Smc2	1.91E-266	1.352	0.911	0.103	4.75E-262	10
Cks1b	1.04E-264	1.257	0.902	0.106	2.57E-260	10
Rrm2	1.85E-260	1.536	0.734	0.064	4.59E-256	10
Prr11	2.24E-260	0.603	0.491	0.024	5.57E-256	10
Cit	4.30E-259	0.515	0.542	0.03	1.07E-254	10
Ndc80	5.37E-259	0.535	0.547	0.031	1.33E-254	10

Rad51	3.48E-258	0.493	0.561	0.033	8.65E-254	10
Tpx2	1.26E-257	1.048	0.673	0.053	3.12E-253	10
Pkmyt1	2.59E-255	0.565	0.64	0.045	6.44E-251	10
Kif4	5.08E-254	0.422	0.463	0.021	1.26E-249	10
Anln	4.29E-253	0.484	0.402	0.015	1.06E-248	10
Asf1b	3.40E-249	0.617	0.612	0.043	8.44E-245	10
Kif11	4.91E-247	0.578	0.565	0.035	1.22E-242	10
Tyms	6.67E-242	0.729	0.687	0.058	1.66E-237	10
Cenph	1.93E-238	0.498	0.523	0.031	4.79E-234	10
Melk	9.97E-232	0.413	0.439	0.021	2.48E-227	10
Ccnb1	3.34E-230	0.957	0.477	0.026	8.31E-226	10
Shcbp1	1.86E-228	0.448	0.43	0.021	4.61E-224	10
Kif20a	4.34E-225	0.403	0.421	0.02	1.08E-220	10
Mad2l1	3.33E-222	0.632	0.673	0.061	8.27E-218	10
Rrm1	1.12E-221	1.178	0.86	0.11	2.77E-217	10
Cep55	1.62E-219	0.381	0.439	0.023	4.03E-215	10
Ckap2l	1.98E-215	0.478	0.631	0.053	4.91E-211	10
Ncapd2	1.89E-213	0.705	0.668	0.062	4.71E-209	10
Nek2	1.26E-212	0.353	0.402	0.019	3.12E-208	10
Ncaph	2.23E-212	0.468	0.537	0.038	5.55E-208	10
Cenpn	1.47E-211	0.291	0.388	0.018	3.66E-207	10
Prc1	1.52E-211	1.008	0.593	0.05	3.77E-207	10
Cdkn3	3.94E-210	0.491	0.444	0.025	9.79E-206	10
Kn1l	1.61E-209	0.392	0.388	0.018	4.00E-205	10
Zwilch	4.17E-209	0.297	0.383	0.018	1.04E-204	10
Ect2	9.45E-208	0.336	0.402	0.02	2.35E-203	10
Ccdc34	3.32E-207	0.699	0.724	0.078	8.26E-203	10
Prim1	2.62E-206	0.601	0.65	0.061	6.50E-202	10
Racgap1	1.35E-200	0.809	0.799	0.098	3.35E-196	10
Cenpi	4.02E-200	0.327	0.364	0.017	9.98E-196	10
Cenpf	6.01E-197	0.733	0.523	0.04	1.49E-192	10
Ndc1	8.53E-196	0.511	0.575	0.05	2.12E-191	10
Rad51ap1	8.72E-192	0.345	0.397	0.022	2.17E-187	10
Mcm5	6.36E-190	1.029	0.794	0.104	1.58E-185	10
Plk1	8.36E-187	0.308	0.336	0.015	2.08E-182	10
Uhrf1	1.11E-186	0.848	0.71	0.082	2.75E-182	10
Iqgap3	6.53E-186	0.439	0.425	0.027	1.62E-181	10
Trip13	6.35E-183	0.328	0.43	0.028	1.58E-178	10
Figl1	3.04E-181	0.286	0.346	0.017	7.56E-177	10
Cip2a	1.53E-179	0.422	0.505	0.041	3.81E-175	10
Pmf1	2.80E-179	0.640	0.743	0.095	6.96E-175	10
Mcm3	8.27E-179	0.976	0.836	0.125	2.05E-174	10
Knstrn	1.04E-177	0.377	0.411	0.026	2.59E-173	10
Clspn	1.29E-177	0.497	0.467	0.035	3.19E-173	10
Foxm1	6.49E-176	0.354	0.402	0.025	1.61E-171	10
Stmn1	2.26E-175	2.109	0.991	0.249	5.62E-171	10



Kif20b	2.11E-174	0.485	0.509	0.043	5.23E-170	10
Mcm7	6.97E-174	0.752	0.738	0.095	1.73E-169	10
Cenpq	2.81E-171	0.590	0.654	0.075	6.98E-167	10
Nrm	1.51E-168	0.824	0.79	0.117	3.75E-164	10
Kif23	1.77E-166	0.794	0.738	0.098	4.41E-162	10
Cdca5	8.86E-163	0.302	0.355	0.021	2.20E-158	10
Dlgap5	3.49E-161	0.371	0.388	0.026	8.68E-157	10
Gins2	2.02E-159	0.353	0.439	0.035	5.01E-155	10
Kifc1	2.52E-159	0.258	0.308	0.015	6.27E-155	10
Syce2	2.51E-158	0.462	0.565	0.06	6.24E-154	10
Lig1	2.26E-156	1.062	0.724	0.107	5.60E-152	10
Ccnb2	8.12E-155	0.808	0.64	0.081	2.02E-150	10
Rfc5	4.26E-154	0.504	0.617	0.074	1.06E-149	10
Cenpk	3.67E-153	0.304	0.332	0.019	9.12E-149	10
Gmnn	1.76E-151	0.737	0.734	0.109	4.37E-147	10
Pola1	3.55E-151	0.489	0.556	0.061	8.82E-147	10
Chaf1a	3.95E-150	0.420	0.537	0.056	9.81E-146	10
Rad54l	2.22E-149	0.273	0.322	0.019	5.52E-145	10
Incenp	2.91E-147	1.012	0.785	0.136	7.22E-143	10
Dhfr	5.78E-147	0.711	0.589	0.072	1.44E-142	10
Aspm	4.73E-146	0.328	0.36	0.025	1.18E-141	10
Hirip3	5.46E-146	0.360	0.458	0.041	1.36E-141	10
E2f8	2.02E-145	0.378	0.402	0.032	5.01E-141	10
Stil	7.04E-141	0.357	0.35	0.024	1.75E-136	10
Fen1	9.01E-140	0.774	0.813	0.147	2.24E-135	10
Selenoh	1.49E-139	0.764	0.794	0.14	3.71E-135	10
Bracl	1.04E-138	0.300	0.379	0.029	2.58E-134	10
Cenpw	1.71E-138	0.372	0.449	0.042	4.24E-134	10
Brip1	1.27E-137	0.305	0.374	0.029	3.16E-133	10
Esco2	1.47E-137	0.324	0.299	0.017	3.65E-133	10
Dut	1.87E-137	0.560	0.617	0.081	4.65E-133	10
Cdkn2c	1.35E-136	0.391	0.416	0.037	3.36E-132	10
Rfc4	8.75E-136	0.342	0.435	0.041	2.17E-131	10
Cbx5	3.36E-134	0.765	0.752	0.13	8.34E-130	10
Plk4	6.45E-134	0.372	0.514	0.058	1.60E-129	10
Brip1os	1.50E-133	0.701	0.724	0.123	3.72E-129	10
Dtymk	1.67E-133	0.566	0.71	0.113	4.14E-129	10
Gm10282	2.31E-133	0.402	0.57	0.072	5.74E-129	10
Rbl1	1.61E-130	0.400	0.542	0.066	4.00E-126	10
Gatm	5.26E-129	1.547	0.855	0.196	1.31E-124	10
Gtse1	2.97E-127	0.322	0.346	0.027	7.39E-123	10
E2f2	2.91E-126	0.459	0.551	0.07	7.24E-122	10
Sgo2a	2.93E-126	0.270	0.285	0.017	7.27E-122	10
Lockd	4.16E-126	0.332	0.43	0.043	1.03E-121	10
Dctpp1	6.86E-125	0.364	0.5	0.059	1.70E-120	10
Spdl1	1.63E-124	0.877	0.659	0.107	4.05E-120	10

Ckap2	8.03E-123	0.391	0.425	0.043	1.99E-118	10
Mcm4	3.13E-122	0.805	0.776	0.146	7.78E-118	10
Slc43a3	2.01E-120	0.281	0.425	0.044	4.98E-116	10
Cdc20	4.79E-120	0.430	0.35	0.03	1.19E-115	10
Lsm2	8.58E-120	0.514	0.696	0.118	2.13E-115	10
Topbp1	2.97E-119	0.512	0.673	0.109	7.37E-115	10
Sfn9	5.27E-119	0.274	0.327	0.026	1.31E-114	10
Hmgn2	6.03E-119	1.164	0.935	0.265	1.50E-114	10
Cmc2	2.41E-118	0.410	0.631	0.097	6.00E-114	10
Prdx4	2.98E-118	0.660	0.72	0.134	7.41E-114	10
Alg8	5.37E-118	0.395	0.547	0.076	1.33E-113	10
Tipin	7.76E-118	0.327	0.411	0.042	1.93E-113	10
Atad2	2.75E-116	0.635	0.687	0.117	6.82E-112	10
Dtl	1.31E-115	0.352	0.425	0.045	3.25E-111	10
Cdc6	9.27E-115	0.417	0.463	0.054	2.30E-110	10
Hells	1.34E-113	0.446	0.491	0.062	3.32E-109	10
Ubp1	6.45E-113	0.413	0.481	0.061	1.60E-108	10
Mcm2	3.76E-111	0.418	0.505	0.068	9.33E-107	10
Poc1a	7.39E-111	0.260	0.318	0.026	1.83E-106	10
Rpa1	2.36E-110	0.618	0.706	0.133	5.87E-106	10
Prim2	2.54E-109	0.284	0.393	0.041	6.32E-105	10
Cadm1	2.59E-109	1.253	0.603	0.103	6.43E-105	10
Nup85	1.48E-108	0.555	0.696	0.13	3.67E-104	10
Sae1	1.56E-108	0.755	0.818	0.191	3.87E-104	10
Fbxo5	2.27E-108	0.380	0.322	0.028	5.64E-104	10
Ezh2	5.31E-107	0.842	0.846	0.195	1.32E-102	10
Tmpo	4.29E-105	1.217	0.921	0.278	1.06E-100	10
Arhgap11a	3.89E-102	0.400	0.505	0.073	9.67E-98	10
Ppih	4.33E-102	0.359	0.617	0.104	1.08E-97	10
Haus4	6.31E-102	0.278	0.407	0.047	1.57E-97	10
Smc4	1.13E-101	1.411	0.977	0.355	2.80E-97	10
Rpa2	1.33E-101	0.477	0.57	0.092	3.30E-97	10
Tfdp1	1.73E-101	0.664	0.748	0.161	4.31E-97	10
Pold2	3.85E-101	0.285	0.421	0.051	9.57E-97	10
Dnajc9	4.32E-100	0.543	0.738	0.149	1.07E-95	10
Tubb5	6.70E-100	1.774	1	0.526	1.67E-95	10
Zfp367	9.17E-100	0.521	0.495	0.073	2.28E-95	10
Suv39h1	1.54E-99	0.251	0.453	0.059	3.83E-95	10
Tuba1b	4.60E-99	1.789	0.995	0.589	1.14E-94	10
Nucks1	4.90E-98	1.173	0.949	0.324	1.22E-93	10
Pold1	1.52E-97	0.359	0.514	0.078	3.77E-93	10
Psat1	6.35E-97	0.595	0.734	0.155	1.58E-92	10
Slamf9	2.36E-96	0.880	0.71	0.153	5.87E-92	10
Anapc11	2.21E-95	0.657	0.846	0.22	5.48E-91	10
Cryl1	3.31E-94	0.333	0.467	0.068	8.21E-90	10
Cntln	6.96E-94	0.276	0.411	0.052	1.73E-89	10

Mcm6	1.41E-93	0.778	0.72	0.157	3.49E-89	10
Vrk1	2.80E-93	0.610	0.79	0.181	6.95E-89	10
Mad111	2.87E-93	0.301	0.514	0.08	7.13E-89	10
Bub1b	7.78E-92	0.256	0.318	0.032	1.93E-87	10
Hmgn1	3.65E-90	1.113	0.907	0.306	9.07E-86	10
Anp32b	1.32E-89	1.318	1	0.627	3.29E-85	10
Mrpl51	1.25E-88	0.561	0.794	0.196	3.11E-84	10
Hmgb3	2.11E-88	0.274	0.425	0.058	5.24E-84	10
Trim37	2.17E-87	0.284	0.36	0.044	5.40E-83	10
Anapc5	4.81E-87	0.560	0.832	0.216	1.20E-82	10
Tmem109	6.09E-87	0.568	0.752	0.18	1.51E-82	10
Mis18a	9.36E-87	0.557	0.799	0.196	2.33E-82	10
Dpy30	1.45E-86	0.552	0.752	0.182	3.61E-82	10
Mis18bp1	1.76E-86	0.265	0.285	0.027	4.37E-82	10
Hmgb1	2.05E-86	1.382	1	0.625	5.10E-82	10
E2f1	2.65E-86	0.571	0.593	0.12	6.59E-82	10
Ranbp1	3.96E-86	1.052	0.949	0.344	9.83E-82	10
Atpif1	7.21E-86	1.212	0.986	0.467	1.79E-81	10
Dnmt1	1.11E-84	0.472	0.701	0.155	2.76E-80	10
Ccnd1	2.02E-84	1.010	0.762	0.189	5.02E-80	10
Chaf1b	3.20E-84	0.360	0.467	0.074	7.95E-80	10
Orc6	1.29E-83	0.405	0.621	0.125	3.21E-79	10
Ipo9	4.59E-83	0.368	0.537	0.098	1.14E-78	10
Mms221	5.43E-83	0.262	0.341	0.041	1.35E-78	10
Lsm3	1.04E-82	0.543	0.841	0.224	2.59E-78	10
Mrpl42	1.09E-82	0.832	0.893	0.282	2.70E-78	10
Exosc8	1.47E-82	0.473	0.748	0.176	3.64E-78	10
Nudc	6.08E-82	0.792	0.921	0.302	1.51E-77	10
Anapc15	6.69E-82	0.326	0.528	0.095	1.66E-77	10
Cbx3	7.55E-82	1.012	0.977	0.387	1.88E-77	10
Rpa3	8.33E-82	0.349	0.551	0.103	2.07E-77	10
Ssrp1	1.38E-81	0.772	0.902	0.286	3.42E-77	10
Gart	2.21E-81	0.339	0.514	0.09	5.50E-77	10
H2afv	9.90E-81	0.636	0.757	0.194	2.46E-76	10
Shtn1	1.34E-80	0.622	0.738	0.181	3.32E-76	10
Atad5	1.86E-80	0.258	0.327	0.038	4.63E-76	10
Hpf1	2.62E-80	0.709	0.785	0.223	6.50E-76	10
Acat1	3.22E-80	0.482	0.748	0.18	8.01E-76	10
Rpp30	7.25E-80	0.286	0.5	0.087	1.80E-75	10
Oxct1	7.94E-80	0.944	0.939	0.332	1.97E-75	10
Nelfe	8.21E-80	0.316	0.523	0.094	2.04E-75	10
Wdfy4	1.84E-79	0.811	0.636	0.141	4.57E-75	10
Fads1	3.06E-79	0.464	0.547	0.108	7.61E-75	10
Smc1a	7.83E-79	0.719	0.925	0.293	1.95E-74	10
Paqr4	1.37E-78	0.281	0.336	0.043	3.41E-74	10
Lmf2	1.51E-78	0.332	0.561	0.109	3.75E-74	10

Dbf4	1.51E-78	0.372	0.687	0.154	3.76E-74	10
Haus8	3.45E-78	0.301	0.696	0.155	8.57E-74	10
Slc25a10	3.62E-78	0.255	0.364	0.049	9.00E-74	10
Mb21d1	5.25E-78	0.418	0.603	0.123	1.30E-73	10
Lsm5	8.22E-78	0.463	0.766	0.191	2.04E-73	10
Arhgap19	1.18E-77	0.268	0.43	0.068	2.94E-73	10
Rangap1	2.63E-77	0.886	0.935	0.336	6.54E-73	10
Ncaph2	5.73E-77	0.376	0.734	0.178	1.42E-72	10
Timeless	6.56E-77	0.275	0.36	0.049	1.63E-72	10
Prpf19	3.25E-76	0.459	0.748	0.188	8.07E-72	10
Cenpx	3.58E-76	0.626	0.785	0.215	8.88E-72	10
Cep57l1	6.22E-76	0.290	0.257	0.026	1.55E-71	10
Rbbp7	7.63E-76	0.754	0.925	0.317	1.89E-71	10
Ccne1	1.51E-75	0.317	0.313	0.038	3.74E-71	10
Jpt2	1.51E-75	0.316	0.509	0.095	3.76E-71	10
Xpo1	2.90E-75	0.637	0.86	0.26	7.21E-71	10
Rfc2	6.69E-75	0.577	0.808	0.229	1.66E-70	10
Nhp2	7.69E-75	0.437	0.734	0.181	1.91E-70	10
Fh1	1.26E-74	0.454	0.598	0.131	3.13E-70	10
Rfc3	1.89E-74	0.330	0.523	0.1	4.68E-70	10
Ckap5	3.08E-74	0.403	0.579	0.122	7.65E-70	10
Parp1	7.00E-74	0.518	0.696	0.176	1.74E-69	10
Rnaseh2a	7.18E-74	0.326	0.514	0.098	1.78E-69	10
Adk	7.31E-74	0.279	0.57	0.116	1.82E-69	10
Cdc123	7.69E-74	0.540	0.804	0.225	1.91E-69	10
Ran	2.40E-73	1.132	1	0.701	5.97E-69	10
Paics	3.57E-73	0.900	0.888	0.309	8.87E-69	10
Mrpl18	3.61E-73	0.584	0.888	0.273	8.97E-69	10
Naaa	3.86E-73	1.620	0.883	0.314	9.58E-69	10
Nudt5	8.17E-73	0.358	0.561	0.117	2.03E-68	10
Atic	1.02E-72	0.447	0.673	0.161	2.53E-68	10
Nup205	2.37E-72	0.340	0.537	0.108	5.90E-68	10
Hjurp	1.29E-71	0.250	0.542	0.106	3.21E-67	10
Dek	1.55E-71	1.178	1	0.587	3.86E-67	10
Idh2	1.93E-71	0.456	0.617	0.143	4.80E-67	10
Scarb1	2.13E-71	0.489	0.701	0.175	5.30E-67	10
Hat1	5.17E-71	0.660	0.804	0.242	1.29E-66	10
Ncapg2	7.55E-71	0.355	0.631	0.142	1.87E-66	10
Slc29a1	1.56E-70	0.609	0.654	0.166	3.88E-66	10
1700025G04Rik	1.89E-70	0.329	0.533	0.106	4.70E-66	10
Banf1	2.76E-70	0.888	0.949	0.401	6.86E-66	10
Hexb	3.00E-70	1.119	0.855	0.29	7.46E-66	10
Cln6	8.36E-70	0.389	0.547	0.116	2.08E-65	10
Ptpa	9.25E-70	0.409	0.678	0.17	2.30E-65	10
Erg28	9.43E-70	0.402	0.589	0.133	2.34E-65	10
Uchl5	1.12E-69	0.599	0.874	0.278	2.78E-65	10

Rnf5	1.14E-69	0.480	0.734	0.195	2.83E-65	10
Rnf141	1.42E-69	0.296	0.533	0.108	3.52E-65	10
Sh2d1b1	4.16E-69	0.375	0.369	0.057	1.03E-64	10
Timm50	4.79E-69	0.348	0.575	0.126	1.19E-64	10
Pa2g4	4.92E-69	0.973	0.977	0.427	1.22E-64	10
Apex1	6.03E-69	0.431	0.593	0.134	1.50E-64	10
Idh3a	1.49E-68	0.381	0.621	0.146	3.69E-64	10
Ppia	1.61E-68	0.931	1	0.812	4.01E-64	10
Hint1	2.88E-68	0.932	0.991	0.465	7.14E-64	10
Lsm4	8.12E-68	0.361	0.701	0.175	2.02E-63	10
Mpp6	8.72E-68	0.614	0.804	0.245	2.17E-63	10
Ckb	1.30E-67	0.787	0.729	0.207	3.23E-63	10
Trim47	1.62E-67	0.352	0.435	0.079	4.03E-63	10
Cdk4	1.63E-67	0.618	0.804	0.251	4.06E-63	10
Acp1	2.06E-67	0.526	0.818	0.244	5.13E-63	10
Rfwd3	2.37E-67	0.273	0.542	0.113	5.88E-63	10
Psmg2	2.99E-67	0.260	0.472	0.09	7.43E-63	10
Lyar	3.74E-67	0.344	0.724	0.184	9.28E-63	10
Anp32e	2.02E-66	0.948	0.958	0.417	5.02E-62	10
Mrpl40	3.57E-66	0.332	0.551	0.121	8.87E-62	10
Ptma	8.94E-66	0.986	1	0.927	2.22E-61	10
Lsm6	9.18E-66	0.436	0.757	0.208	2.28E-61	10
Cd180	1.12E-65	0.576	0.729	0.2	2.78E-61	10
Usp1	2.91E-65	0.572	0.776	0.229	7.24E-61	10
Apip	3.04E-65	0.271	0.5	0.101	7.56E-61	10
Tmco1	5.73E-65	0.579	0.827	0.262	1.42E-60	10
Ddx39	1.31E-64	0.334	0.72	0.188	3.24E-60	10
Rpf2	1.66E-64	0.303	0.547	0.121	4.13E-60	10
Mrps17	1.84E-64	0.334	0.64	0.157	4.57E-60	10
Sigmar1	2.10E-64	0.300	0.556	0.124	5.21E-60	10
Nudcd2	2.90E-64	0.304	0.551	0.122	7.21E-60	10
Olfm1	4.25E-63	0.940	0.808	0.268	1.06E-58	10
Arsb	8.88E-63	0.386	0.477	0.096	2.21E-58	10
Hmgb2	1.12E-62	1.314	0.995	0.665	2.77E-58	10
H2afx	1.48E-62	0.425	0.645	0.165	3.68E-58	10
Mgst3	1.89E-62	0.301	0.407	0.074	4.68E-58	10
Btk	2.34E-62	0.263	0.645	0.159	5.82E-58	10
Dnajc10	3.95E-62	0.349	0.659	0.168	9.81E-58	10
Sfxn1	6.60E-62	0.526	0.64	0.168	1.64E-57	10
Ilf2	6.93E-62	0.297	0.645	0.162	1.72E-57	10
Prkar2a	1.23E-61	0.596	0.785	0.247	3.05E-57	10
Timm8a1	2.06E-61	0.262	0.486	0.102	5.13E-57	10
Tagln2	2.43E-61	0.985	0.995	0.74	6.05E-57	10
Actl6a	2.67E-61	0.386	0.771	0.222	6.63E-57	10
Mlec	3.82E-61	0.489	0.776	0.235	9.48E-57	10
Pole3	4.65E-61	0.407	0.687	0.188	1.16E-56	10

Clec4b1	9.00E-61	0.482	0.453	0.093	2.24E-56	10
Zbtb8os	9.38E-61	0.299	0.636	0.159	2.33E-56	10
Dpy19l1	1.67E-60	0.505	0.612	0.159	4.14E-56	10
Cyb5r1	1.74E-60	0.315	0.561	0.132	4.31E-56	10
Rad50	6.67E-60	0.321	0.509	0.114	1.66E-55	10
Rassf4	7.37E-60	0.442	0.678	0.182	1.83E-55	10
Pbx3	9.92E-60	0.259	0.444	0.088	2.46E-55	10
Dnajc19	1.13E-59	0.376	0.654	0.175	2.80E-55	10
Cysltr1	1.77E-59	0.392	0.547	0.127	4.39E-55	10
Ntpcr	3.99E-59	0.325	0.514	0.115	9.91E-55	10
Clec1	5.68E-59	0.254	0.435	0.085	1.41E-54	10
Fkbp4	6.51E-59	0.509	0.79	0.247	1.62E-54	10
Sf3b5	6.58E-59	0.427	0.832	0.262	1.63E-54	10
Smc6	1.08E-58	0.685	0.897	0.342	2.69E-54	10
Snrnp25	1.35E-58	0.261	0.495	0.107	3.35E-54	10
Nap1l1	1.47E-58	1.100	0.991	0.617	3.65E-54	10
Cep83	2.54E-58	0.334	0.785	0.235	6.31E-54	10
Prpf31	3.07E-58	0.253	0.533	0.122	7.63E-54	10
Ppp1r7	3.42E-58	0.281	0.542	0.128	8.51E-54	10
Mrps15	3.75E-58	0.338	0.706	0.197	9.32E-54	10
Cisd1	3.85E-58	0.317	0.551	0.132	9.57E-54	10
Clec12a	4.90E-58	0.641	0.79	0.251	1.22E-53	10
Ipo5	5.42E-58	0.450	0.762	0.23	1.35E-53	10
Prps2	6.52E-58	0.284	0.449	0.092	1.62E-53	10
Pak1	6.72E-58	0.453	0.687	0.19	1.67E-53	10
Nop58	7.21E-58	0.732	0.921	0.352	1.79E-53	10
Vdac3	1.60E-57	0.485	0.818	0.265	3.98E-53	10
Fkbp3	1.90E-57	0.439	0.799	0.247	4.71E-53	10
Psip1	3.16E-57	0.344	0.72	0.201	7.86E-53	10
Prune2	4.73E-57	0.272	0.388	0.073	1.17E-52	10
Cdk14	4.85E-57	0.292	0.523	0.12	1.20E-52	10
Fkbp2	7.86E-57	0.540	0.893	0.313	1.95E-52	10
Ogfrl1	8.47E-57	0.277	0.799	0.239	2.10E-52	10
Sptssa	1.24E-56	0.581	0.832	0.285	3.09E-52	10
Siva1	1.59E-56	0.397	0.729	0.214	3.94E-52	10
Gins4	3.23E-56	0.279	0.486	0.109	8.03E-52	10
Cpox	3.95E-56	0.260	0.589	0.145	9.82E-52	10
Ndufa12	4.41E-56	0.676	0.907	0.354	1.10E-51	10
Pik3cg	4.58E-56	0.289	0.593	0.149	1.14E-51	10
Rfc1	4.80E-56	0.434	0.561	0.144	1.19E-51	10
Rab32	5.32E-56	0.509	0.804	0.261	1.32E-51	10
Nagpa	5.42E-56	0.303	0.565	0.14	1.35E-51	10
Dck	1.10E-55	0.416	0.696	0.203	2.73E-51	10
Rp2	1.11E-55	0.377	0.593	0.155	2.76E-51	10
Etfa	1.16E-55	0.503	0.808	0.273	2.88E-51	10
Cetn3	1.17E-55	0.464	0.822	0.272	2.91E-51	10

Erp29	1.49E-55	0.774	0.986	0.441	3.69E-51	10
Cnot9	1.77E-55	0.349	0.64	0.177	4.40E-51	10
Nsun2	2.20E-55	0.397	0.743	0.219	5.47E-51	10
Sdf211	2.76E-55	0.674	0.879	0.319	6.86E-51	10
Shmt2	5.21E-55	0.380	0.593	0.155	1.29E-50	10
Plp2	5.96E-55	0.806	0.888	0.373	1.48E-50	10
Set	6.18E-55	0.954	0.986	0.606	1.53E-50	10
Dkc1	1.57E-54	0.251	0.467	0.103	3.91E-50	10
Gusb	2.36E-54	0.780	0.897	0.371	5.86E-50	10
Mmgt1	3.82E-54	0.275	0.486	0.111	9.48E-50	10
Aldh9a1	6.22E-54	0.578	0.827	0.297	1.55E-49	10
Fam96a	1.03E-53	0.685	0.879	0.34	2.55E-49	10
Mrpl23	1.32E-53	0.368	0.752	0.228	3.29E-49	10
H2afz	1.38E-53	0.978	1	0.828	3.43E-49	10
Tomm40	1.48E-53	0.273	0.565	0.142	3.69E-49	10
Vma21	1.51E-53	0.439	0.734	0.23	3.74E-49	10
Exosc9	1.72E-53	0.272	0.57	0.144	4.28E-49	10
Wee1	1.83E-53	0.302	0.43	0.092	4.54E-49	10
Mrps25	2.22E-53	0.293	0.579	0.151	5.52E-49	10
Eif1ad	2.38E-53	0.335	0.738	0.223	5.91E-49	10
Psmb9	3.68E-53	0.533	0.757	0.241	9.15E-49	10
Colgalt1	4.46E-53	0.565	0.799	0.277	1.11E-48	10
Slc25a39	4.54E-53	0.270	0.687	0.194	1.13E-48	10
Babam1	4.55E-53	0.304	0.617	0.167	1.13E-48	10
Snrpd2	5.55E-53	0.502	0.893	0.322	1.38E-48	10
Cltb	5.81E-53	0.390	0.715	0.218	1.44E-48	10
Blvra	5.99E-53	0.394	0.621	0.174	1.49E-48	10
Nsmce2	6.46E-53	0.306	0.659	0.186	1.60E-48	10
Bex3	8.94E-53	0.418	0.678	0.196	2.22E-48	10
Ndufab1	1.07E-52	0.629	0.925	0.374	2.65E-48	10
Erlin1	1.29E-52	0.347	0.636	0.175	3.21E-48	10
Acs15	1.77E-52	0.321	0.706	0.209	4.39E-48	10
Pdzd11	1.91E-52	0.289	0.64	0.176	4.75E-48	10
Larp7	2.69E-52	0.352	0.762	0.24	6.69E-48	10
Tsn	2.98E-52	0.625	0.902	0.36	7.41E-48	10
Dctn3	3.57E-52	0.315	0.762	0.232	8.87E-48	10
Sf3a3	3.67E-52	0.351	0.687	0.203	9.11E-48	10
Hacd2	4.22E-52	0.379	0.715	0.219	1.05E-47	10
Ddost	8.32E-52	0.676	0.911	0.391	2.07E-47	10
Gars	1.50E-51	0.292	0.762	0.233	3.72E-47	10
Eri1	2.01E-51	0.310	0.71	0.211	5.00E-47	10
Nt5dc2	2.13E-51	0.428	0.575	0.156	5.30E-47	10
Reep4	2.14E-51	0.319	0.673	0.194	5.31E-47	10
Farsb	2.59E-51	0.265	0.556	0.144	6.44E-47	10
Hnrnpa3	2.93E-51	0.817	0.995	0.687	7.27E-47	10
Uba2	3.18E-51	0.328	0.682	0.204	7.89E-47	10

Cops6	3.75E-51	0.477	0.832	0.293	9.31E-47	10
Apobec3	3.88E-51	0.420	0.766	0.24	9.63E-47	10
Ndufc1	4.16E-51	0.514	0.888	0.326	1.03E-46	10
Rexo2	5.09E-51	0.585	0.902	0.35	1.26E-46	10
Cbfb	5.39E-51	0.534	0.869	0.334	1.34E-46	10
Pycard	6.03E-51	0.581	0.762	0.258	1.50E-46	10
Ebp	9.51E-51	0.453	0.832	0.288	2.36E-46	10
Usp14	1.07E-50	0.433	0.808	0.276	2.65E-46	10
Acer3	1.19E-50	0.266	0.701	0.204	2.95E-46	10
Bub3	1.64E-50	0.404	0.804	0.27	4.08E-46	10
Prmt1	1.66E-50	0.500	0.785	0.271	4.11E-46	10
Tmem147	2.32E-50	0.258	0.537	0.136	5.77E-46	10
C1d	2.41E-50	0.356	0.687	0.209	5.99E-46	10
Lage3	2.77E-50	0.254	0.444	0.101	6.87E-46	10
Mtap	2.84E-50	0.314	0.514	0.131	7.04E-46	10
Tep1	3.20E-50	0.330	0.598	0.164	7.94E-46	10
Nfu1	3.40E-50	0.294	0.589	0.162	8.45E-46	10
Cpne3	3.75E-50	0.462	0.762	0.248	9.31E-46	10
Cd81	4.95E-50	0.841	0.673	0.227	1.23E-45	10
Phf10	5.26E-50	0.305	0.692	0.208	1.31E-45	10
Fam111a	5.29E-50	0.368	0.757	0.25	1.31E-45	10
Idh3g	8.99E-50	0.364	0.78	0.255	2.23E-45	10
Alyref	1.02E-49	0.548	0.925	0.381	2.54E-45	10
Ndufc2	1.11E-49	0.639	0.93	0.381	2.76E-45	10
Pcna-ps2	1.31E-49	0.332	0.664	0.197	3.24E-45	10
Ndufa5	1.46E-49	0.324	0.692	0.206	3.63E-45	10
Dhrs7b	1.72E-49	0.275	0.374	0.077	4.27E-45	10
Naa38	1.81E-49	0.319	0.668	0.197	4.51E-45	10
Atp5g3	1.87E-49	0.830	0.995	0.661	4.63E-45	10
Fcrls	1.90E-49	0.863	0.397	0.089	4.72E-45	10
Bcap29	2.33E-49	0.391	0.617	0.181	5.80E-45	10
Nans	2.40E-49	0.390	0.724	0.229	5.96E-45	10
Commd8	2.45E-49	0.393	0.696	0.218	6.10E-45	10
Bola2	2.67E-49	0.316	0.715	0.218	6.63E-45	10
Fkbp5	2.99E-49	0.263	0.5	0.124	7.43E-45	10
Cycl	3.05E-49	0.312	0.673	0.201	7.57E-45	10
Tmem97	3.57E-49	0.256	0.453	0.105	8.86E-45	10
Comt	3.60E-49	0.571	0.757	0.261	8.94E-45	10
Rsrc1	4.44E-49	0.261	0.547	0.143	1.10E-44	10
Asnsd1	4.93E-49	0.326	0.659	0.196	1.22E-44	10
Mrps18c	6.38E-49	0.379	0.752	0.244	1.59E-44	10
Tecr	6.60E-49	0.372	0.86	0.3	1.64E-44	10
Snrpa	9.36E-49	0.396	0.822	0.284	2.33E-44	10
Uqcr10	1.15E-48	0.364	0.785	0.259	2.85E-44	10
Preli3b	1.20E-48	0.311	0.729	0.226	2.99E-44	10
Ssna1	1.23E-48	0.291	0.57	0.156	3.05E-44	10



Pld4	1.72E-48	0.627	0.921	0.367	4.28E-44	10
Rcc2	1.73E-48	0.312	0.724	0.226	4.29E-44	10
Fcgrt	2.20E-48	0.258	0.696	0.207	5.46E-44	10
Stip1	2.43E-48	0.419	0.808	0.28	6.02E-44	10
Srsf1	2.65E-48	0.452	0.804	0.285	6.57E-44	10
Tmem106c	2.95E-48	0.282	0.383	0.083	7.32E-44	10
Commd10	3.79E-48	0.297	0.561	0.152	9.40E-44	10
Tmx1	3.98E-48	0.464	0.771	0.266	9.88E-44	10
Cnih1	4.89E-48	0.348	0.771	0.251	1.21E-43	10
Mrpl15	6.26E-48	0.316	0.664	0.2	1.56E-43	10
Acot7	6.45E-48	0.362	0.706	0.214	1.60E-43	10
Ufsp2	7.13E-48	0.307	0.631	0.185	1.77E-43	10
Hprt	7.72E-48	0.582	0.93	0.395	1.92E-43	10
1700037H04Rik	8.15E-48	0.256	0.477	0.118	2.02E-43	10
Otulinl	8.36E-48	0.342	0.65	0.192	2.08E-43	10
Ndufa9	8.61E-48	0.404	0.752	0.251	2.14E-43	10
Sdhc	8.82E-48	0.481	0.808	0.289	2.19E-43	10
Ppt1	1.19E-47	0.867	0.804	0.313	2.96E-43	10
Stard3nl	1.28E-47	0.394	0.729	0.237	3.17E-43	10
Ide	1.61E-47	0.253	0.561	0.151	4.01E-43	10
Ccdc88a	1.62E-47	0.299	0.832	0.279	4.02E-43	10
C1qbp	1.63E-47	0.347	0.556	0.155	4.05E-43	10
Naga	1.68E-47	0.624	0.71	0.237	4.18E-43	10
Twf2	1.81E-47	0.309	0.715	0.221	4.49E-43	10
Ndufaf2	1.91E-47	0.259	0.411	0.092	4.74E-43	10
Lpl	1.98E-47	1.205	0.584	0.178	4.92E-43	10
Trappc1	2.96E-47	0.455	0.762	0.265	7.35E-43	10
Pigt	3.07E-47	0.352	0.71	0.233	7.63E-43	10
Snrpd1	3.17E-47	0.591	0.925	0.397	7.87E-43	10
Rad23a	3.91E-47	0.361	0.794	0.27	9.72E-43	10
Cd48	4.10E-47	0.552	0.893	0.358	1.02E-42	10
Mrpl13	4.92E-47	0.377	0.64	0.199	1.22E-42	10
Qpct	5.19E-47	0.329	0.36	0.074	1.29E-42	10
Dars	6.42E-47	0.255	0.542	0.145	1.59E-42	10
Plxnb2	7.54E-47	0.399	0.701	0.223	1.87E-42	10
H2-DMb1	8.55E-47	0.738	0.78	0.29	2.12E-42	10
Slc25a4	9.31E-47	0.568	0.879	0.348	2.31E-42	10
Dpysl2	1.30E-46	0.496	0.78	0.277	3.24E-42	10
Hikeshi	1.80E-46	0.296	0.603	0.172	4.46E-42	10
Osgep	1.89E-46	0.275	0.537	0.145	4.69E-42	10
Arhgef6	1.92E-46	0.300	0.547	0.152	4.76E-42	10
Drg1	2.15E-46	0.270	0.607	0.176	5.33E-42	10
Creld2	2.22E-46	0.376	0.799	0.263	5.51E-42	10
Phb2	2.43E-46	0.417	0.874	0.319	6.03E-42	10
Ddx1	3.14E-46	0.321	0.537	0.148	7.80E-42	10
Acadl	3.36E-46	0.570	0.86	0.329	8.35E-42	10

Kpnb1	4.20E-46	0.645	0.916	0.413	1.04E-41	10
Dnajc2	4.49E-46	0.430	0.804	0.286	1.12E-41	10
Ndufa10	5.90E-46	0.523	0.841	0.325	1.47E-41	10
Rps27l	8.87E-46	0.626	0.953	0.454	2.20E-41	10
Tmem126a	9.46E-46	0.274	0.64	0.19	2.35E-41	10
Mtch2	9.67E-46	0.401	0.893	0.333	2.40E-41	10
Nono	1.23E-45	0.688	0.963	0.491	3.04E-41	10
Ndufv2	1.38E-45	0.496	0.883	0.342	3.43E-41	10
Cdk2	1.42E-45	0.285	0.575	0.163	3.53E-41	10
Ndufs2	1.57E-45	0.319	0.743	0.243	3.90E-41	10
Hnrnpr	1.74E-45	0.257	0.692	0.216	4.33E-41	10
Pilra	1.76E-45	0.538	0.57	0.169	4.38E-41	10
Ormdl2	2.12E-45	0.259	0.533	0.145	5.26E-41	10
G6pdx	2.31E-45	0.393	0.659	0.214	5.75E-41	10
Thoc7	2.38E-45	0.262	0.692	0.215	5.92E-41	10
H2-DMb2	2.61E-45	0.684	0.481	0.128	6.49E-41	10
Prdx3	2.97E-45	0.258	0.551	0.153	7.36E-41	10
Erh	3.49E-45	0.584	0.888	0.38	8.67E-41	10
Ndufs5	3.84E-45	0.475	0.883	0.336	9.53E-41	10
Cbx1	4.45E-45	0.376	0.776	0.271	1.10E-40	10
9-Sep	4.48E-45	0.365	0.748	0.247	1.11E-40	10
Mtch1	4.57E-45	0.383	0.841	0.305	1.13E-40	10
Pum3	4.88E-45	0.256	0.612	0.178	1.21E-40	10
Kpna2	4.97E-45	0.265	0.514	0.137	1.24E-40	10
Rap1gds1	5.28E-45	0.295	0.738	0.244	1.31E-40	10
Rpn2	5.34E-45	0.502	0.874	0.344	1.33E-40	10
Mthfd2	5.66E-45	0.376	0.738	0.248	1.41E-40	10
Atp5f1	5.73E-45	0.661	0.967	0.495	1.42E-40	10
Mrps12	5.75E-45	0.256	0.509	0.136	1.43E-40	10
Fuca2	6.19E-45	0.286	0.743	0.244	1.54E-40	10
Magt1	7.31E-45	0.644	0.888	0.384	1.82E-40	10
Ctsc	7.55E-45	1.187	0.967	0.579	1.87E-40	10
3-Sep	8.02E-45	0.999	0.271	0.048	1.99E-40	10
Igfbp4	9.21E-45	0.516	0.383	0.088	2.29E-40	10
Samd1	1.09E-44	0.262	0.589	0.172	2.72E-40	10
Smdt1	1.20E-44	0.429	0.841	0.313	2.99E-40	10
Qdpr	1.29E-44	0.335	0.607	0.183	3.21E-40	10
Kcnab2	1.30E-44	0.346	0.659	0.208	3.23E-40	10
Impdh2	1.63E-44	0.269	0.771	0.255	4.04E-40	10
Ybx1	1.70E-44	0.738	0.986	0.776	4.21E-40	10
Ola1	2.36E-44	0.451	0.804	0.298	5.87E-40	10
Ybx3	2.43E-44	0.775	0.963	0.477	6.04E-40	10
Cenpa	2.86E-44	0.474	0.832	0.306	7.11E-40	10
Cyb5b	4.61E-44	0.325	0.673	0.215	1.15E-39	10
Hnrnpab	5.17E-44	0.753	1	0.731	1.29E-39	10
Sec13	7.17E-44	0.308	0.682	0.219	1.78E-39	10

Zranb2	8.93E-44	0.343	0.818	0.292	2.22E-39	10
S100a1	9.36E-44	0.289	0.621	0.189	2.33E-39	10
Uqcrc1	1.10E-43	0.363	0.729	0.252	2.73E-39	10
Spcs3	1.30E-43	0.483	0.748	0.275	3.24E-39	10
Prcp	2.31E-43	0.499	0.879	0.34	5.73E-39	10
Mpeg1	2.73E-43	0.868	0.902	0.429	6.78E-39	10
Baz1b	2.87E-43	0.388	0.841	0.323	7.12E-39	10
Chchd3	3.04E-43	0.331	0.724	0.245	7.54E-39	10
Sdha	3.49E-43	0.396	0.794	0.293	8.67E-39	10
Cs	3.61E-43	0.501	0.893	0.367	8.97E-39	10
Uqcr11	3.69E-43	0.529	0.888	0.369	9.17E-39	10
Ndufb10	4.21E-43	0.420	0.864	0.333	1.05E-38	10
Hebp1	4.45E-43	0.254	0.341	0.073	1.11E-38	10
Atp5o	4.89E-43	0.668	0.972	0.523	1.21E-38	10
Efr3a	5.59E-43	0.423	0.808	0.3	1.39E-38	10
Rbbp4	5.90E-43	0.662	0.944	0.486	1.47E-38	10
Tmem14c	6.79E-43	0.608	0.963	0.454	1.69E-38	10
Agps	1.11E-42	0.349	0.701	0.24	2.75E-38	10
Ndufb6	1.30E-42	0.453	0.879	0.348	3.24E-38	10
Ap3m1	1.83E-42	0.253	0.523	0.146	4.55E-38	10
Rpn1	2.44E-42	0.507	0.79	0.298	6.06E-38	10
Dpagt1	3.28E-42	0.283	0.477	0.128	8.16E-38	10
Igsf8	3.64E-42	0.357	0.692	0.234	9.04E-38	10
Psap	3.72E-42	0.922	1	0.844	9.24E-38	10
Htatsf1	3.76E-42	0.269	0.654	0.207	9.34E-38	10
Hsd17b12	4.57E-42	0.544	0.916	0.402	1.14E-37	10
Ccnd3	6.02E-42	0.358	0.794	0.292	1.50E-37	10
Cd302	6.18E-42	0.436	0.584	0.182	1.53E-37	10
Psma4	6.22E-42	0.685	0.967	0.487	1.54E-37	10
Ndufs6	8.51E-42	0.268	0.762	0.256	2.11E-37	10
H2afy	9.78E-42	0.834	0.981	0.593	2.43E-37	10
Atp5g2	1.04E-41	0.727	0.991	0.624	2.59E-37	10
Vps36	1.11E-41	0.268	0.678	0.222	2.76E-37	10
Itgax	1.19E-41	0.577	0.687	0.237	2.95E-37	10
Usp5	1.44E-41	0.312	0.636	0.209	3.57E-37	10
Pbdc1	1.47E-41	0.274	0.766	0.266	3.66E-37	10
Akr1b3	1.55E-41	0.454	0.85	0.338	3.85E-37	10
Tcof1	1.83E-41	0.326	0.72	0.244	4.54E-37	10
Calm3	1.87E-41	0.587	0.944	0.455	4.64E-37	10
H2-M3	2.15E-41	0.281	0.645	0.205	5.35E-37	10
Gm8186	2.21E-41	0.375	0.85	0.312	5.48E-37	10
Txndc16	2.24E-41	0.258	0.327	0.069	5.57E-37	10
Srsf9	2.64E-41	0.421	0.846	0.329	6.55E-37	10
Supt16	2.78E-41	0.381	0.855	0.335	6.90E-37	10
Eif3l	3.26E-41	0.473	0.902	0.381	8.10E-37	10
Psma1	3.31E-41	0.355	0.86	0.326	8.22E-37	10

Aimp1	3.88E-41	0.347	0.766	0.27	9.63E-37	10
Dbi	4.39E-41	0.723	0.986	0.55	1.09E-36	10
Cd2ap	5.05E-41	0.326	0.682	0.225	1.25E-36	10
Zfp706	5.80E-41	0.367	0.822	0.303	1.44E-36	10
Hsd17b4	6.06E-41	0.324	0.593	0.186	1.51E-36	10
Slc25a5	6.97E-41	0.733	0.991	0.681	1.73E-36	10
Gtf2h5	8.43E-41	0.260	0.729	0.247	2.09E-36	10
Ptpn6	9.41E-41	0.440	0.808	0.317	2.34E-36	10
Rps6ka3	9.58E-41	0.400	0.757	0.277	2.38E-36	10
Pdia4	1.16E-40	0.361	0.799	0.283	2.87E-36	10
Cops5	1.62E-40	0.283	0.678	0.226	4.02E-36	10
Hspa14	1.69E-40	0.271	0.696	0.234	4.20E-36	10
Leprot	1.84E-40	0.470	0.832	0.335	4.58E-36	10
Gltp	2.95E-40	0.736	0.967	0.524	7.34E-36	10
Rer1	3.24E-40	0.407	0.874	0.349	8.04E-36	10
Lap3	3.30E-40	0.289	0.542	0.162	8.20E-36	10
Psmc3	3.45E-40	0.394	0.879	0.349	8.57E-36	10
Hpgds	5.33E-40	0.350	0.463	0.127	1.32E-35	10
Ppp1r14b	5.47E-40	0.478	0.813	0.325	1.36E-35	10
Nme1	7.41E-40	0.532	0.921	0.402	1.84E-35	10
Man1c1	8.43E-40	0.354	0.565	0.175	2.09E-35	10
Mrps14	1.05E-39	0.350	0.706	0.249	2.60E-35	10
St3gal5	1.09E-39	0.252	0.364	0.085	2.71E-35	10
Aco2	1.25E-39	0.391	0.766	0.292	3.12E-35	10
Fuca1	1.26E-39	0.364	0.794	0.299	3.12E-35	10
Dhcr24	2.02E-39	0.487	0.481	0.14	5.02E-35	10
Pdgfb	2.12E-39	0.272	0.36	0.084	5.27E-35	10
Lipa	3.40E-39	0.624	0.818	0.326	8.45E-35	10
Me2	3.80E-39	0.263	0.678	0.225	9.45E-35	10
Sdhb	4.58E-39	0.390	0.864	0.345	1.14E-34	10
Snu13	4.90E-39	0.509	0.93	0.439	1.22E-34	10
Trim35	4.93E-39	0.417	0.645	0.22	1.22E-34	10
Sdc3	5.07E-39	0.627	0.893	0.375	1.26E-34	10
Mcub	5.67E-39	0.405	0.603	0.202	1.41E-34	10
Mfsd1	5.85E-39	0.630	0.888	0.406	1.45E-34	10
Commd3	6.20E-39	0.272	0.659	0.217	1.54E-34	10
Tmed3	6.61E-39	0.303	0.72	0.247	1.64E-34	10
Ndufb11	6.65E-39	0.456	0.916	0.395	1.65E-34	10
Ganab	9.05E-39	0.365	0.79	0.3	2.25E-34	10
Adam15	9.48E-39	0.506	0.785	0.309	2.36E-34	10
Ppt2	9.49E-39	0.303	0.584	0.184	2.36E-34	10
Stt3b	1.01E-38	0.400	0.813	0.317	2.51E-34	10
Ccdc50	1.20E-38	0.346	0.827	0.316	2.98E-34	10
Pdap1	1.20E-38	0.526	0.958	0.462	2.99E-34	10
Prdx1	1.25E-38	0.653	0.991	0.662	3.09E-34	10
Lamtor2	1.27E-38	0.254	0.654	0.214	3.16E-34	10

Fnta	1.31E-38	0.266	0.659	0.22	3.26E-34	10
Tmem50b	1.44E-38	0.388	0.729	0.262	3.57E-34	10
Slirp	1.45E-38	0.345	0.729	0.269	3.60E-34	10
Ube2s	1.52E-38	0.648	0.977	0.6	3.77E-34	10
Ilk	1.63E-38	0.276	0.678	0.234	4.05E-34	10
Srgn	1.69E-38	-1.765	0.981	0.961	4.21E-34	10
Rtcb	1.77E-38	0.341	0.748	0.272	4.40E-34	10
Cnih4	2.32E-38	0.448	0.79	0.318	5.76E-34	10
Atp5g1	2.40E-38	0.597	0.986	0.5	5.96E-34	10
Snx10	4.14E-38	0.329	0.776	0.294	1.03E-33	10
Sqle	4.69E-38	0.331	0.519	0.155	1.16E-33	10
Rtl8a	5.63E-38	0.304	0.421	0.113	1.40E-33	10
Axl	6.14E-38	0.696	0.495	0.156	1.53E-33	10
Cct7	7.73E-38	0.350	0.855	0.336	1.92E-33	10
Gclm	1.03E-37	0.285	0.771	0.293	2.56E-33	10
Snrpd3	1.13E-37	0.511	0.916	0.439	2.80E-33	10
Ssbp1	1.41E-37	0.253	0.668	0.229	3.51E-33	10
Snrpg	1.49E-37	0.584	0.981	0.558	3.70E-33	10
Dazap1	2.27E-37	0.269	0.822	0.304	5.65E-33	10
Ndufb4	2.44E-37	0.272	0.752	0.268	6.06E-33	10
Sh3bgrl	2.64E-37	0.670	0.958	0.505	6.56E-33	10
Eif2s1	2.70E-37	0.387	0.836	0.338	6.71E-33	10
Scd2	2.80E-37	0.430	0.631	0.216	6.95E-33	10
Mapk3	2.89E-37	0.397	0.818	0.335	7.18E-33	10
Tkt	3.24E-37	0.589	0.935	0.461	8.05E-33	10
Pigs	3.69E-37	0.254	0.621	0.204	9.17E-33	10
Lamtor1	4.09E-37	0.336	0.794	0.303	1.02E-32	10
Lman1	4.81E-37	0.318	0.612	0.205	1.19E-32	10
Mpc2	5.11E-37	0.311	0.79	0.298	1.27E-32	10
Eif3i	5.12E-37	0.482	0.935	0.425	1.27E-32	10
Nfic	5.98E-37	0.574	0.752	0.301	1.49E-32	10
2-Sep	6.90E-37	0.617	0.888	0.443	1.71E-32	10
Mdh1	6.97E-37	0.350	0.944	0.403	1.73E-32	10
H2-DMA	8.72E-37	0.727	0.827	0.371	2.17E-32	10
Itga6	8.80E-37	0.343	0.439	0.124	2.18E-32	10
Mrps33	9.40E-37	0.302	0.766	0.282	2.34E-32	10
Vdac1	9.86E-37	0.535	0.953	0.47	2.45E-32	10
Atg3	1.08E-36	0.258	0.804	0.301	2.68E-32	10
2410015M20Rik	1.26E-36	0.294	0.65	0.227	3.12E-32	10
Bbc3	1.29E-36	0.290	0.364	0.091	3.20E-32	10
Cycs	1.31E-36	0.547	0.93	0.443	3.24E-32	10
Maz	1.58E-36	0.382	0.907	0.383	3.92E-32	10
Adam10	1.78E-36	0.301	0.715	0.258	4.41E-32	10
Snx2	2.12E-36	0.722	0.888	0.413	5.27E-32	10
Washc5	2.30E-36	0.263	0.701	0.251	5.70E-32	10
Rab3il1	2.56E-36	0.268	0.537	0.166	6.37E-32	10

Rbm17	2.77E-36	0.272	0.799	0.306	6.89E-32	10
Galnt7	3.48E-36	0.259	0.509	0.157	8.63E-32	10
Dnajc15	3.81E-36	0.338	0.748	0.281	9.46E-32	10
Tcp1	5.11E-36	0.542	0.963	0.495	1.27E-31	10
Smn1	6.30E-36	0.253	0.682	0.239	1.56E-31	10
Pgls	9.14E-36	0.331	0.818	0.325	2.27E-31	10
Aes	1.03E-35	0.552	0.991	0.549	2.55E-31	10
Snrpe	1.05E-35	0.604	0.963	0.561	2.61E-31	10
Sumo3	1.15E-35	0.341	0.841	0.338	2.86E-31	10
Swi5	1.18E-35	0.465	0.911	0.412	2.93E-31	10
Cnpy3	1.25E-35	0.278	0.757	0.285	3.12E-31	10
Myadm	1.26E-35	0.604	0.86	0.393	3.14E-31	10
Rad21	1.50E-35	0.381	0.893	0.391	3.73E-31	10
Aida	1.64E-35	0.312	0.682	0.25	4.07E-31	10
Psmc1	1.77E-35	0.354	0.832	0.334	4.39E-31	10
Ucp2	1.90E-35	0.755	0.995	0.786	4.72E-31	10
Sdhd	2.28E-35	0.513	0.921	0.444	5.65E-31	10
Hmgcs1	2.46E-35	0.448	0.65	0.232	6.12E-31	10
Rgs10	2.55E-35	0.411	0.916	0.402	6.35E-31	10
Fbl	2.76E-35	0.283	0.724	0.264	6.85E-31	10
Ndufb8	2.85E-35	0.260	0.645	0.221	7.08E-31	10
Nop10	3.06E-35	0.308	0.799	0.304	7.60E-31	10
Snrpc	3.15E-35	0.293	0.827	0.325	7.82E-31	10
Ptges3	3.37E-35	0.594	0.977	0.565	8.36E-31	10
Arl6ip1	3.99E-35	0.908	0.972	0.626	9.90E-31	10
Atp5b	4.01E-35	0.603	0.986	0.548	9.97E-31	10
Eef1d	4.02E-35	0.533	0.981	0.538	9.97E-31	10
Tmem256	4.49E-35	0.348	0.748	0.289	1.11E-30	10
Rbmxl1	5.61E-35	0.267	0.729	0.265	1.39E-30	10
Pbrm1	5.77E-35	0.276	0.841	0.336	1.43E-30	10
Eps15	6.96E-35	0.260	0.734	0.267	1.73E-30	10
Minos1	7.58E-35	0.407	0.879	0.381	1.88E-30	10
Cct3	8.66E-35	0.299	0.771	0.301	2.15E-30	10
Coro2a	8.87E-35	0.319	0.603	0.206	2.20E-30	10
Tceal9	9.32E-35	0.461	0.879	0.398	2.32E-30	10
Atp5c1	9.33E-35	0.505	0.902	0.43	2.32E-30	10
Ly86	1.14E-34	0.619	0.958	0.455	2.83E-30	10
Pebp1	1.31E-34	0.395	0.86	0.359	3.25E-30	10
Stt3a	1.32E-34	0.319	0.841	0.339	3.29E-30	10
Atp6v0a2	1.75E-34	0.289	0.598	0.2	4.33E-30	10
Hnrnpul1	1.79E-34	0.534	0.953	0.517	4.45E-30	10
Asah1	1.92E-34	0.458	0.822	0.337	4.76E-30	10
Usp8	2.35E-34	0.277	0.72	0.268	5.83E-30	10
Hexa	2.47E-34	0.564	0.93	0.448	6.14E-30	10
Ywhaq	2.66E-34	0.503	0.939	0.478	6.60E-30	10
Cmpk1	2.75E-34	0.440	0.953	0.448	6.83E-30	10

Man2b1	2.88E-34	0.428	0.874	0.386	7.15E-30	10
Bag1	2.93E-34	0.271	0.794	0.308	7.27E-30	10
Prkacb	2.96E-34	0.433	0.668	0.257	7.34E-30	10
Dbnl	4.54E-34	0.390	0.813	0.325	1.13E-29	10
Ywhah	4.80E-34	0.614	0.986	0.619	1.19E-29	10
Rwdd1	4.99E-34	0.357	0.827	0.332	1.24E-29	10
Mgl2	5.89E-34	1.329	0.514	0.177	1.46E-29	10
Cxcl9	6.72E-34	1.083	0.374	0.104	1.67E-29	10
Lrrc59	7.71E-34	0.422	0.86	0.373	1.92E-29	10
Abhd12	1.08E-33	0.453	0.696	0.278	2.68E-29	10
Nol7	1.10E-33	0.305	0.836	0.338	2.73E-29	10
Pip4k2a	1.10E-33	0.408	0.879	0.375	2.73E-29	10
Cacybp	1.19E-33	0.398	0.799	0.334	2.94E-29	10
Got2	1.20E-33	0.448	0.822	0.347	2.98E-29	10
Nasp	1.30E-33	0.421	0.864	0.394	3.23E-29	10
Reep5	1.45E-33	0.622	0.986	0.601	3.61E-29	10
Krccl	1.90E-33	0.313	0.715	0.266	4.72E-29	10
Pea15a	1.95E-33	0.310	0.757	0.292	4.85E-29	10
Cenpb	2.20E-33	0.253	0.621	0.217	5.46E-29	10
Cd72	2.45E-33	0.493	0.472	0.148	6.08E-29	10
Ndufb5	2.83E-33	0.326	0.804	0.326	7.04E-29	10
Lima1	3.32E-33	0.260	0.551	0.181	8.25E-29	10
Cox20	3.46E-33	0.298	0.822	0.337	8.60E-29	10
Gdf15	3.62E-33	0.585	0.43	0.128	8.98E-29	10
Cox7a2	3.86E-33	0.517	0.981	0.53	9.58E-29	10
Myof	4.67E-33	0.349	0.621	0.219	1.16E-28	10
Snx1	4.79E-33	0.456	0.897	0.41	1.19E-28	10
Map4	5.25E-33	0.278	0.71	0.262	1.31E-28	10
Hspd1	6.65E-33	0.520	0.911	0.455	1.65E-28	10
Gspt1	7.32E-33	0.346	0.813	0.344	1.82E-28	10
2610001J05Rik	8.38E-33	0.365	0.72	0.282	2.08E-28	10
Cox6a1	8.54E-33	0.601	0.995	0.667	2.12E-28	10
Cox5a	9.27E-33	0.512	0.953	0.487	2.30E-28	10
Scoc	1.10E-32	0.302	0.481	0.151	2.73E-28	10
Rab1b	1.18E-32	0.434	0.874	0.393	2.93E-28	10
Eid1	1.22E-32	0.445	0.925	0.433	3.03E-28	10
Slc25a1	1.32E-32	0.262	0.556	0.188	3.28E-28	10
Vps35	1.48E-32	0.452	0.893	0.417	3.68E-28	10
Ak2	1.80E-32	0.360	0.921	0.407	4.47E-28	10
Glr3	3.43E-32	0.368	0.808	0.338	8.52E-28	10
Ap2s1	3.71E-32	0.332	0.846	0.353	9.22E-28	10
Lta4h	4.00E-32	0.295	0.687	0.257	9.94E-28	10
Hdgf	4.33E-32	0.430	0.972	0.544	1.08E-27	10
Gsn	6.34E-32	0.317	0.827	0.339	1.57E-27	10
Cdt1	6.66E-32	0.252	0.757	0.297	1.66E-27	10
Mrpl33	9.84E-32	0.440	0.935	0.458	2.44E-27	10

Ywhae	9.99E-32	0.551	1	0.792	2.48E-27	10
Atp5k	1.10E-31	0.528	0.967	0.511	2.72E-27	10
Trappc2l	1.17E-31	0.284	0.729	0.278	2.90E-27	10
1110004F10Rik	1.23E-31	0.307	0.822	0.341	3.06E-27	10
Sh3bgrl3	1.28E-31	0.627	0.995	0.838	3.17E-27	10
Mrc1	1.43E-31	0.697	0.724	0.319	3.56E-27	10
Ctnna1	1.55E-31	0.259	0.897	0.399	3.86E-27	10
Psme3	1.60E-31	0.307	0.874	0.386	3.97E-27	10
Nolc1	2.02E-31	0.282	0.748	0.293	5.02E-27	10
Sulf2	2.32E-31	0.283	0.477	0.153	5.75E-27	10
Pmp22	3.54E-31	0.565	0.491	0.165	8.80E-27	10
Klrb1b	4.02E-31	0.318	0.364	0.098	9.99E-27	10
Kcnn4	4.24E-31	0.441	0.813	0.363	1.05E-26	10
Atp5a1	4.95E-31	0.604	0.991	0.665	1.23E-26	10
Add1	7.54E-31	0.274	0.696	0.27	1.87E-26	10
Txn2	7.99E-31	0.331	0.836	0.352	1.99E-26	10
Cox7c	8.31E-31	0.551	1	0.728	2.06E-26	10
Sf3b2	8.79E-31	0.373	0.907	0.431	2.18E-26	10
Asmt	8.83E-31	0.316	0.808	0.336	2.19E-26	10
Hnrnpul2	1.01E-30	0.391	0.921	0.454	2.50E-26	10
F11r	1.06E-30	0.299	0.421	0.126	2.64E-26	10
Atp5mpl	1.25E-30	0.452	0.916	0.455	3.10E-26	10
Tgfbi	1.32E-30	0.535	0.958	0.499	3.29E-26	10
Strap	1.43E-30	0.303	0.86	0.384	3.54E-26	10
Galnt1	1.53E-30	0.304	0.85	0.354	3.80E-26	10
Atp5j	1.74E-30	0.527	0.944	0.507	4.33E-26	10
Fundc2	1.76E-30	0.287	0.748	0.301	4.36E-26	10
Psmb2	1.86E-30	0.496	0.944	0.502	4.62E-26	10
Ndufa3	1.97E-30	0.381	0.949	0.458	4.90E-26	10
Snrpf	2.21E-30	0.441	0.925	0.442	5.48E-26	10
Tbca	2.44E-30	0.498	0.967	0.495	6.06E-26	10
Cfp	2.54E-30	0.561	0.85	0.39	6.31E-26	10
Unc93b1	2.59E-30	0.491	0.897	0.422	6.44E-26	10
Uqcrc2	2.90E-30	0.370	0.827	0.364	7.21E-26	10
Cct4	2.91E-30	0.487	0.897	0.475	7.23E-26	10
Tardbp	2.94E-30	0.340	0.902	0.424	7.30E-26	10
Psm14	3.31E-30	0.330	0.841	0.369	8.21E-26	10
Rdx	3.70E-30	0.342	0.86	0.381	9.19E-26	10
Ndufb3	4.31E-30	0.368	0.869	0.396	1.07E-25	10
Psm1	4.31E-30	0.261	0.771	0.312	1.07E-25	10
Bak1	4.44E-30	0.296	0.794	0.337	1.10E-25	10
Ssr4	4.85E-30	0.368	0.939	0.428	1.21E-25	10
Ap1s2	4.91E-30	0.272	0.71	0.279	1.22E-25	10
Selenof	5.13E-30	0.564	0.958	0.537	1.27E-25	10
Aph1a	5.43E-30	0.300	0.794	0.333	1.35E-25	10
Lactb	6.94E-30	0.252	0.734	0.288	1.72E-25	10



Ube2m	7.31E-30	0.325	0.832	0.365	1.81E-25	10
Stx7	7.58E-30	0.391	0.916	0.43	1.88E-25	10
Lamtor4	8.40E-30	0.303	0.692	0.273	2.09E-25	10
Cct5	1.06E-29	0.440	0.93	0.473	2.64E-25	10
Btg1	1.13E-29	-1.184	0.967	0.923	2.81E-25	10
Ppm1g	1.15E-29	0.303	0.85	0.38	2.86E-25	10
Uqcrb	2.98E-29	0.539	0.972	0.567	7.41E-25	10
Taok3	3.45E-29	0.306	0.855	0.377	8.56E-25	10
Tmsb4x	3.84E-29	0.601	1	0.971	9.54E-25	10
Hspa9	4.20E-29	0.367	0.883	0.403	1.04E-24	10
Arhgdia	4.35E-29	0.524	0.995	0.714	1.08E-24	10
Cyb5r3	4.36E-29	0.261	0.715	0.289	1.08E-24	10
Actb	4.60E-29	0.515	1	0.99	1.14E-24	10
Ccng1	6.33E-29	0.342	0.724	0.296	1.57E-24	10
Ubqln1	6.98E-29	0.257	0.855	0.37	1.73E-24	10
Sumo2	8.23E-29	0.494	0.991	0.623	2.04E-24	10
Idh1	1.09E-28	0.343	0.556	0.207	2.72E-24	10
Plod1	1.10E-28	0.314	0.472	0.162	2.73E-24	10
Clec4a2	1.32E-28	0.593	0.734	0.342	3.28E-24	10
Sarnp	1.39E-28	0.335	0.883	0.409	3.45E-24	10
Ssr2	1.53E-28	0.364	0.874	0.397	3.80E-24	10
Gng2	1.65E-28	0.294	0.832	0.354	4.09E-24	10
Hnrnpa2b1	1.76E-28	0.515	1	0.848	4.38E-24	10
Mtpn	2.09E-28	0.539	0.963	0.58	5.19E-24	10
Ndufa4	2.17E-28	0.521	0.925	0.496	5.38E-24	10
Dnajb11	2.19E-28	0.290	0.879	0.383	5.45E-24	10
Eif5a	2.39E-28	0.571	1	0.816	5.95E-24	10
Pdia6	2.58E-28	0.516	0.925	0.472	6.41E-24	10
Arl1	2.90E-28	0.264	0.86	0.363	7.20E-24	10
1810037I17Rik	2.97E-28	0.424	0.935	0.52	7.38E-24	10
Clic1	3.08E-28	0.524	0.995	0.617	7.64E-24	10
Coro1c	3.45E-28	0.369	0.916	0.442	8.56E-24	10
Serbp1	4.49E-28	0.530	0.986	0.742	1.11E-23	10
Caprin1	4.57E-28	0.379	0.916	0.446	1.14E-23	10
Naa50	5.45E-28	0.447	0.944	0.509	1.35E-23	10
Ehd4	8.01E-28	0.333	0.93	0.432	1.99E-23	10
Psmc6	8.12E-28	0.335	0.907	0.42	2.02E-23	10
Scp2	8.92E-28	0.364	0.86	0.407	2.21E-23	10
Cct8	9.59E-28	0.451	0.953	0.513	2.38E-23	10
CD4-pAbO (Ab)	1.27E-27	-3.350	0.907	0.879	3.15E-23	10
Vcam1	1.70E-27	0.946	0.318	0.092	4.22E-23	10
1810022K09Rik	2.13E-27	0.280	0.804	0.349	5.30E-23	10
Cops9	2.74E-27	0.358	0.916	0.442	6.82E-23	10
Nmt1	2.94E-27	0.292	0.883	0.404	7.31E-23	10
Eef1g	3.12E-27	0.521	0.963	0.564	7.74E-23	10
Pomp	3.34E-27	0.543	0.972	0.577	8.29E-23	10

Tmed10	3.39E-27	0.585	0.953	0.577	8.42E-23	10
Ndufa6	3.60E-27	0.309	0.836	0.369	8.93E-23	10
Anxa1	3.72E-27	0.441	0.879	0.413	9.25E-23	10
Txn1	4.07E-27	0.527	0.995	0.826	1.01E-22	10
Psmc7	4.44E-27	0.289	0.855	0.39	1.10E-22	10
Psmc2	4.77E-27	0.287	0.883	0.405	1.18E-22	10
Emc7	5.19E-27	0.333	0.841	0.38	1.29E-22	10
Uqcrq	6.20E-27	0.464	0.93	0.502	1.54E-22	10
U2af1	6.26E-27	0.305	0.902	0.429	1.55E-22	10
Rps17	6.73E-27	0.532	0.995	0.742	1.67E-22	10
Dab2	7.26E-27	0.786	0.799	0.414	1.80E-22	10
Grn	7.79E-27	0.783	0.972	0.624	1.93E-22	10
Uqcrfs1	8.79E-27	0.341	0.893	0.42	2.18E-22	10
Rac1	9.34E-27	0.521	0.981	0.742	2.32E-22	10
Cst3	1.21E-26	1.168	1	0.786	3.00E-22	10
Cox6b1	1.35E-26	0.533	1	0.679	3.34E-22	10
Spcs1	1.42E-26	0.366	0.874	0.418	3.54E-22	10
Rnf7	1.44E-26	0.272	0.841	0.375	3.58E-22	10
Pitpna	1.53E-26	0.553	0.986	0.624	3.79E-22	10
Kdelr1	1.77E-26	0.279	0.785	0.338	4.40E-22	10
Rpl14	2.16E-26	0.550	1	0.68	5.38E-22	10
Ssr1	2.17E-26	0.371	0.935	0.476	5.39E-22	10
Ppib	2.41E-26	0.356	0.864	0.409	5.99E-22	10
Atp6v1g1	2.51E-26	0.391	0.963	0.497	6.23E-22	10
Nedd8	2.75E-26	0.419	0.953	0.521	6.84E-22	10
Cox7b	3.24E-26	0.464	0.972	0.554	8.05E-22	10
6-Sep	3.26E-26	0.410	0.505	0.185	8.09E-22	10
Snrpb	3.27E-26	0.406	0.986	0.579	8.13E-22	10
Rnf130	3.64E-26	0.312	0.893	0.405	9.04E-22	10
Snrpb2	3.78E-26	0.369	0.902	0.447	9.40E-22	10
Pfn1	4.65E-26	0.487	1	0.857	1.15E-21	10
Eif2s3x	5.18E-26	0.287	0.874	0.409	1.29E-21	10
Eif3b	6.35E-26	0.342	0.907	0.446	1.58E-21	10
Cpd	7.37E-26	0.353	0.561	0.219	1.83E-21	10
Mlf2	8.92E-26	0.379	0.939	0.475	2.21E-21	10
Rbm3	9.59E-26	0.511	0.995	0.699	2.38E-21	10
Gm2000	1.59E-25	0.287	0.921	0.43	3.94E-21	10
Malat1	1.61E-25	-1.928	0.986	0.963	4.00E-21	10
Msmo1	1.66E-25	0.279	0.621	0.252	4.11E-21	10
Tmem167	1.76E-25	0.351	0.879	0.421	4.37E-21	10
Srp19	1.80E-25	0.294	0.888	0.411	4.47E-21	10
C1qc	1.93E-25	1.160	0.673	0.352	4.80E-21	10
Dnajc3	2.04E-25	0.409	0.893	0.454	5.06E-21	10
Bhlhe41	2.10E-25	0.374	0.299	0.086	5.20E-21	10
C1qa	2.47E-25	1.035	0.584	0.27	6.13E-21	10
Ear2	2.54E-25	0.754	0.336	0.103	6.30E-21	10

Itgb1	2.78E-25	0.501	0.949	0.561	6.90E-21	10
Psmb8	2.86E-25	0.572	0.972	0.566	7.10E-21	10
Spcs2	3.22E-25	0.372	0.963	0.474	8.01E-21	10
Rbx1	3.25E-25	0.391	0.958	0.517	8.07E-21	10
Trem2	3.33E-25	0.434	0.556	0.22	8.27E-21	10
Pianp	3.43E-25	0.251	0.28	0.076	8.51E-21	10
Pcna	4.14E-25	0.676	0.958	0.656	1.03E-20	10
Hspe1	4.27E-25	0.491	0.986	0.623	1.06E-20	10
Cfl1	4.33E-25	0.413	1	0.964	1.08E-20	10
Atp5j2	4.75E-25	0.304	0.879	0.425	1.18E-20	10
Akr1a1	5.71E-25	0.514	0.981	0.626	1.42E-20	10
Cox6c	8.79E-25	0.497	0.991	0.69	2.18E-20	10
H1f0	1.02E-24	0.288	0.486	0.18	2.53E-20	10
Aif1	1.48E-24	0.445	0.813	0.394	3.68E-20	10
Tma7	1.48E-24	0.421	0.981	0.612	3.68E-20	10
Tmem258	1.59E-24	0.409	0.949	0.492	3.95E-20	10
Taldo1	1.62E-24	0.385	0.953	0.568	4.04E-20	10
Copz1	1.72E-24	0.253	0.86	0.396	4.27E-20	10
Psm7	1.74E-24	0.419	0.949	0.495	4.33E-20	10
Cox5b	2.31E-24	0.366	0.958	0.52	5.73E-20	10
Nudt4	3.73E-24	-0.261	0.593	0.216	9.27E-20	10
Snx6	3.86E-24	0.335	0.766	0.339	9.59E-20	10
Actn4	4.25E-24	0.413	0.977	0.598	1.05E-19	10
Cd36	6.08E-24	0.278	0.57	0.224	1.51E-19	10
Khsrp	8.39E-24	0.323	0.949	0.512	2.09E-19	10
Wdr83os	9.30E-24	0.273	0.822	0.388	2.31E-19	10
Fam120a	1.00E-23	0.361	0.907	0.475	2.49E-19	10
Metap2	1.01E-23	0.320	0.911	0.455	2.51E-19	10
Hnrnpf	1.09E-23	0.439	0.981	0.718	2.70E-19	10
Rpl28	1.26E-23	0.490	1	0.831	3.13E-19	10
Gnb2	1.40E-23	0.409	0.967	0.57	3.48E-19	10
Ptms	1.44E-23	0.658	0.991	0.663	3.58E-19	10
Ms4a6c	1.47E-23	0.461	0.883	0.46	3.64E-19	10
Timp2	1.70E-23	0.362	0.659	0.289	4.21E-19	10
Psm4	1.79E-23	0.369	0.972	0.533	4.45E-19	10
Flna	1.82E-23	0.370	0.935	0.568	4.52E-19	10
Dok2	2.34E-23	0.255	0.519	0.204	5.82E-19	10
Plau	2.40E-23	0.774	0.617	0.289	5.97E-19	10
Aprt	2.49E-23	0.346	0.729	0.342	6.19E-19	10
Nrp1	2.61E-23	0.285	0.458	0.168	6.49E-19	10
Gm2a	3.24E-23	0.734	0.972	0.64	8.05E-19	10
Glud1	5.14E-23	0.394	0.958	0.553	1.28E-18	10
Rpl36a	5.82E-23	0.496	0.977	0.681	1.45E-18	10
Vdac2	5.94E-23	0.423	0.967	0.549	1.48E-18	10
Tpm3	8.06E-23	0.447	1	0.827	2.00E-18	10
Tubb4b	8.12E-23	0.307	0.907	0.487	2.02E-18	10

Psm3	1.05E-22	0.379	0.977	0.559	2.60E-18	10
Rpl3	1.25E-22	0.482	1	0.726	3.12E-18	10
Krtcap2	1.29E-22	0.369	0.907	0.467	3.20E-18	10
Jpt1	1.35E-22	0.309	0.916	0.495	3.36E-18	10
Rpl35	1.48E-22	0.484	0.995	0.787	3.69E-18	10
Bri3bp	2.06E-22	0.314	0.509	0.203	5.11E-18	10
Rala	2.65E-22	0.354	0.832	0.404	6.59E-18	10
Ddx5	2.80E-22	-0.665	0.995	0.954	6.96E-18	10
Skap2	2.86E-22	0.277	0.902	0.449	7.10E-18	10
Pdia3	3.08E-22	0.514	0.977	0.651	7.65E-18	10
Ckap4	3.36E-22	0.283	0.589	0.246	8.34E-18	10
Esyt1	3.67E-22	0.308	0.869	0.437	9.10E-18	10
Ywhab	3.84E-22	0.487	0.981	0.665	9.53E-18	10
Anxa4	4.30E-22	0.379	0.832	0.404	1.07E-17	10
Dusp3	4.69E-22	0.314	0.804	0.369	1.17E-17	10
Brk1	5.71E-22	0.347	0.911	0.49	1.42E-17	10
Alox5ap	6.80E-22	0.420	0.977	0.591	1.69E-17	10
Hsbp1	7.78E-22	0.276	0.79	0.364	1.93E-17	10
Gpx1	8.60E-22	0.479	0.995	0.68	2.14E-17	10
Tomm7	8.71E-22	0.444	0.972	0.608	2.16E-17	10
Snx3	9.43E-22	0.500	0.991	0.664	2.34E-17	10
Rps2	9.85E-22	0.463	1	0.793	2.45E-17	10
Cct2	1.28E-21	0.356	0.967	0.528	3.18E-17	10
Wdr1	1.45E-21	0.344	0.949	0.518	3.61E-17	10
Hist1h2bc	1.53E-21	0.347	0.65	0.286	3.81E-17	10
Rps26	1.92E-21	0.422	1	0.88	4.78E-17	10
Hspa4	2.02E-21	0.266	0.972	0.521	5.03E-17	10
Tuba1a	2.24E-21	0.280	0.752	0.354	5.56E-17	10
Adgre1	2.78E-21	0.482	0.621	0.287	6.91E-17	10
Hspa8	3.17E-21	0.478	1	0.902	7.89E-17	10
Arpp19	3.41E-21	0.291	0.879	0.447	8.46E-17	10
Hnrnpa1	3.47E-21	0.421	0.981	0.657	8.62E-17	10
Lcp1	3.49E-21	0.490	1	0.785	8.68E-17	10
Rplp1	3.86E-21	0.401	1	0.896	9.60E-17	10
Npm1	5.84E-21	0.430	1	0.798	1.45E-16	10
Gnai2	5.92E-21	0.457	0.986	0.794	1.47E-16	10
Psm6	6.11E-21	0.257	0.925	0.475	1.52E-16	10
Crip1	6.13E-21	0.738	0.953	0.673	1.52E-16	10
Hsp90b1	8.16E-21	0.553	0.995	0.782	2.03E-16	10
Itsn1	9.99E-21	0.265	0.481	0.194	2.48E-16	10
Rps8	1.39E-20	0.421	1	0.869	3.46E-16	10
Psm7	1.49E-20	0.280	0.921	0.483	3.70E-16	10
C1qb	1.68E-20	0.781	0.715	0.384	4.17E-16	10
Ap2m1	1.78E-20	0.430	0.977	0.619	4.43E-16	10
Atp5h	1.84E-20	0.393	0.981	0.619	4.56E-16	10
Dynlrb1	2.19E-20	0.279	0.921	0.469	5.43E-16	10

Selplg	2.33E-20	0.318	0.949	0.526	5.78E-16	10
Nptn	2.37E-20	0.289	0.925	0.491	5.88E-16	10
Ankfy1	2.41E-20	0.425	0.472	0.178	5.98E-16	10
Eef1b2	2.56E-20	0.516	0.995	0.769	6.35E-16	10
Ubb	3.02E-20	-0.736	1	0.982	7.50E-16	10
Ppp1ca	3.05E-20	0.461	0.953	0.602	7.57E-16	10
Rps5	3.05E-20	0.439	1	0.796	7.58E-16	10
Arpc2	4.16E-20	0.407	1	0.894	1.03E-15	10
Atox1	1.11E-19	0.308	0.963	0.524	2.76E-15	10
Celf2	1.27E-19	0.309	0.939	0.55	3.15E-15	10
Rpl4	1.35E-19	0.441	1	0.782	3.35E-15	10
Clec4a1	1.36E-19	0.548	0.64	0.312	3.37E-15	10
Actr3	1.53E-19	0.449	0.995	0.839	3.80E-15	10
H2-Ab1	2.32E-19	0.713	0.981	0.657	5.77E-15	10
Atp6ap2	2.53E-19	0.400	0.977	0.633	6.28E-15	10
Eif4h	2.90E-19	0.290	0.93	0.514	7.19E-15	10
App	3.20E-19	0.490	0.944	0.598	7.96E-15	10
Gm10076	3.54E-19	0.300	0.967	0.534	8.78E-15	10
Gdi2	3.98E-19	0.435	0.986	0.679	9.87E-15	10
Arpc4	4.87E-19	0.266	0.935	0.496	1.21E-14	10
Ndufa2	4.91E-19	0.362	0.986	0.644	1.22E-14	10
Tspo	8.80E-19	0.386	0.935	0.557	2.18E-14	10
Cxcl16	9.29E-19	0.294	0.771	0.383	2.31E-14	10
Rab5c	1.25E-18	0.347	0.977	0.592	3.10E-14	10
Rps20	1.27E-18	0.410	0.995	0.843	3.15E-14	10
Hnrnpu	1.29E-18	0.348	1	0.726	3.21E-14	10
Mrfap1	1.43E-18	0.318	0.925	0.541	3.55E-14	10
Arpc1b	1.47E-18	0.412	1	0.83	3.66E-14	10
Capns1	1.59E-18	0.299	0.93	0.495	3.96E-14	10
Lyz2	2.67E-18	0.620	0.925	0.591	6.63E-14	10
Rpl32	5.33E-18	0.400	0.995	0.8	1.32E-13	10
Slamf7	5.42E-18	0.256	0.687	0.323	1.35E-13	10
Psmb1	7.30E-18	0.346	0.967	0.595	1.81E-13	10
Clec4a3	9.15E-18	0.259	0.636	0.294	2.27E-13	10
Rpl21	9.45E-18	0.411	0.995	0.762	2.35E-13	10
Capzb	1.01E-17	0.392	1	0.774	2.51E-13	10
Canx	1.39E-17	0.441	0.977	0.668	3.45E-13	10
H2-Aa	1.39E-17	0.654	0.958	0.635	3.45E-13	10
Rps19	2.67E-17	0.384	1	0.787	6.64E-13	10
Arhgdib	2.73E-17	0.437	0.981	0.666	6.79E-13	10
Gm10073	2.77E-17	0.393	0.995	0.669	6.88E-13	10
Mapre1	3.21E-17	0.260	0.977	0.616	7.98E-13	10
Gas6	3.22E-17	0.336	0.262	0.087	7.99E-13	10
Tmed9	3.23E-17	0.353	0.967	0.59	8.03E-13	10
Rps18	3.27E-17	0.398	0.991	0.704	8.12E-13	10
Serpinb6a	7.70E-17	0.319	0.444	0.189	1.91E-12	10

Manf	9.79E-17	0.301	0.921	0.526	2.43E-12	10
Ccl12	1.14E-16	1.451	0.304	0.117	2.84E-12	10
Rpl10a	1.21E-16	0.315	0.995	0.626	3.01E-12	10
H2-Eb1	1.25E-16	0.583	0.907	0.578	3.10E-12	10
Rnase4	1.33E-16	0.364	0.397	0.167	3.29E-12	10
Pgam1	1.43E-16	0.351	0.981	0.657	3.54E-12	10
Eif2s2	1.92E-16	0.359	0.981	0.638	4.76E-12	10
Ctsh	3.27E-16	0.280	0.888	0.471	8.12E-12	10
Cox8a	4.17E-16	0.379	0.991	0.754	1.03E-11	10
Cox4i1	4.66E-16	0.388	0.986	0.706	1.16E-11	10
Prelid1	4.79E-16	0.273	0.935	0.537	1.19E-11	10
Prdx2	6.08E-16	0.278	0.939	0.532	1.51E-11	10
Rpl15	6.72E-16	0.384	0.995	0.771	1.67E-11	10
Psma2	6.85E-16	0.252	0.935	0.529	1.70E-11	10
Ctss	8.26E-16	0.449	0.991	0.767	2.05E-11	10
Elob	8.83E-16	0.315	0.967	0.614	2.19E-11	10
Rab14	1.12E-15	0.261	0.916	0.539	2.79E-11	10
Msr1	1.30E-15	0.670	0.579	0.327	3.22E-11	10
Plbd1	1.32E-15	0.542	0.785	0.447	3.27E-11	10
Rps11	1.52E-15	0.435	1	0.825	3.77E-11	10
Eif1	2.70E-15	-0.540	1	0.943	6.70E-11	10
Lmna	2.72E-15	0.323	0.939	0.603	6.75E-11	10
Srsf5	4.19E-15	-0.812	0.963	0.843	1.04E-10	10
H2-K1	4.41E-15	-0.745	1	0.947	1.09E-10	10
Rpsa	5.00E-15	0.299	0.991	0.746	1.24E-10	10
Cd68	6.16E-15	0.441	0.981	0.629	1.53E-10	10
Arhgef1	7.89E-15	-0.266	0.71	0.319	1.96E-10	10
Rps25	1.12E-14	0.364	0.995	0.843	2.78E-10	10
Eif3e	1.12E-14	0.256	0.939	0.56	2.79E-10	10
Rps4x	1.16E-14	0.382	1	0.788	2.88E-10	10
Sod1	1.16E-14	0.457	0.977	0.697	2.88E-10	10
Clta	1.30E-14	0.350	0.991	0.669	3.22E-10	10
Vim	1.32E-14	0.404	1	0.862	3.28E-10	10
Actr2	1.43E-14	0.325	0.981	0.694	3.55E-10	10
Atplal	2.07E-14	0.275	0.949	0.577	5.14E-10	10
Pim1	2.43E-14	-0.856	0.991	0.934	6.03E-10	10
Rbm39	3.10E-14	-0.770	0.991	0.882	7.70E-10	10
Ctsz	3.58E-14	0.350	0.981	0.626	8.89E-10	10
Rpl29	4.11E-14	0.351	0.986	0.72	1.02E-09	10
Psme1	5.76E-14	0.298	0.963	0.577	1.43E-09	10
C3ar1	6.17E-14	0.287	0.734	0.4	1.53E-09	10
Lgals1	9.26E-14	0.447	0.991	0.695	2.30E-09	10
Rpl12	9.40E-14	0.293	0.991	0.755	2.34E-09	10
Jaml	1.23E-13	0.331	0.304	0.124	3.05E-09	10
Ssr3	1.39E-13	0.297	0.958	0.642	3.45E-09	10
Ccl2	1.45E-13	0.659	0.593	0.319	3.61E-09	10

Capza2	1.53E-13	0.301	0.967	0.65	3.80E-09	10
Lrrc58	1.58E-13	0.279	0.935	0.588	3.91E-09	10
Ms4a7	1.91E-13	0.444	0.486	0.242	4.76E-09	10
Csnk1e	2.48E-13	-0.287	0.636	0.281	6.16E-09	10
Atp5l	3.20E-13	0.327	1	0.704	7.95E-09	10
Naca	4.43E-13	0.271	0.967	0.635	1.10E-08	10
Rack1	4.46E-13	0.319	0.995	0.753	1.11E-08	10
Rpl31	4.75E-13	0.304	1	0.839	1.18E-08	10
Rpl39	5.31E-13	0.330	1	0.847	1.32E-08	10
Cd74	5.50E-13	0.551	0.963	0.77	1.37E-08	10
Rpl22	5.80E-13	0.295	0.981	0.674	1.44E-08	10
Stab1	7.96E-13	0.814	0.435	0.221	1.98E-08	10
Ifrd1	1.35E-12	-1.042	0.963	0.86	3.35E-08	10
Atp5e	1.47E-12	0.281	0.972	0.643	3.64E-08	10
Herc1	1.63E-12	-0.270	0.584	0.269	4.06E-08	10
Ctsa	1.81E-12	0.327	0.85	0.553	4.49E-08	10
Cyba	1.81E-12	0.288	0.986	0.682	4.49E-08	10
Slc20a1	1.98E-12	-0.354	0.551	0.254	4.92E-08	10
Rps27a	2.39E-12	0.320	1	0.867	5.93E-08	10
Slc38a2	3.19E-12	-0.949	0.907	0.781	7.91E-08	10
Anxa5	3.21E-12	0.257	0.953	0.608	7.98E-08	10
M6pr	3.33E-12	0.287	0.939	0.618	8.28E-08	10
Ccl7	4.01E-12	0.516	0.402	0.195	9.95E-08	10
Zyx	4.20E-12	0.333	0.883	0.546	1.04E-07	10
Rpl13	5.84E-12	0.315	1	0.837	1.45E-07	10
Lamp1	7.18E-12	0.435	0.893	0.654	1.78E-07	10
Sec61b	7.62E-12	0.272	0.944	0.593	1.89E-07	10
Syne1	1.01E-11	-0.397	0.262	0.098	2.50E-07	10
Rpl41	1.22E-11	0.289	1	0.912	3.04E-07	10
Entpd1	1.42E-11	-0.256	0.659	0.327	3.53E-07	10
Ehbp1l1	1.49E-11	-0.251	0.659	0.308	3.69E-07	10
Litaf	2.22E-11	-0.761	0.967	0.816	5.52E-07	10
Ifi205	2.49E-11	0.553	0.299	0.138	6.18E-07	10
Rhoa	3.50E-11	0.273	1	0.752	8.70E-07	10
Rpl6	3.55E-11	0.275	1	0.846	8.81E-07	10
Igf1	4.36E-11	0.343	0.318	0.144	1.08E-06	10
Rpl11	4.43E-11	0.280	1	0.772	1.10E-06	10
Fosl2	6.77E-11	-1.050	0.855	0.772	1.68E-06	10
Tgif1	9.15E-11	-1.035	0.836	0.761	2.27E-06	10
Rps29	9.92E-11	0.297	1	0.926	2.46E-06	10
Retreg1	1.04E-10	-0.314	0.495	0.229	2.58E-06	10
Rpl8	1.71E-10	0.277	1	0.761	4.26E-06	10
Hexim1	1.92E-10	-1.102	0.808	0.711	4.77E-06	10
Thbs1	2.33E-10	-2.936	0.519	0.548	5.79E-06	10
Cxcl10	2.34E-10	0.320	0.336	0.161	5.80E-06	10
Rps3a1	2.83E-10	0.267	1	0.837	7.03E-06	10

Hspala	3.09E-10	-0.279	0.902	0.581	7.68E-06	10
Icam1	3.70E-10	-0.266	0.72	0.372	9.20E-06	10
Il10ra	3.98E-10	-0.255	0.551	0.261	9.89E-06	10
Nfkbia	4.09E-10	-1.428	0.888	0.82	1.02E-05	10
Rps6	5.56E-10	0.258	1	0.827	1.38E-05	10
Rpl35a	8.78E-10	0.275	0.995	0.861	2.18E-05	10
Anxa2	1.11E-09	0.276	0.986	0.707	2.76E-05	10
Lsp1	1.52E-09	0.389	0.724	0.52	3.78E-05	10
Samd9l	1.72E-09	-0.317	0.416	0.195	4.28E-05	10
Ss18	1.91E-09	-0.273	0.598	0.296	4.75E-05	10
Gabpb1	2.26E-09	-0.329	0.5	0.237	5.61E-05	10
Fryl	2.66E-09	-0.253	0.435	0.203	6.60E-05	10
Itga4	4.46E-09	-0.374	0.57	0.288	0.000110895	10
Lgmn	7.13E-09	0.352	0.743	0.498	0.000177029	10
Bdp1	7.98E-09	-0.271	0.5	0.245	0.00019831	10
Junb	9.73E-09	-0.886	1	0.926	0.000241759	10
Serpinb9	1.04E-08	-0.465	0.43	0.213	0.000258952	10
Brd2	1.12E-08	-0.644	0.981	0.846	0.000278379	10
Cebpd	1.97E-08	-0.270	0.308	0.142	0.000488838	10
Plekha2	1.97E-08	-0.388	0.64	0.322	0.000489643	10
Pqlc1	2.84E-08	-0.278	0.589	0.308	0.000706155	10
Cln3	3.18E-08	-0.403	0.687	0.362	0.000788732	10
Ighm	3.58E-08	-0.609	0.285	0.133	0.000890448	10
Spp1	3.59E-08	-0.999	0.495	0.258	0.000891621	10
Cnot6l	4.39E-08	-0.277	0.64	0.331	0.001089914	10
Tet3	4.98E-08	-0.312	0.626	0.319	0.00123705	10
Eif5	6.44E-08	-0.622	0.986	0.857	0.001599454	10
9930111J21Rik2	7.90E-08	-0.313	0.355	0.173	0.001961692	10
Mknk2	1.04E-07	-0.917	0.916	0.715	0.002574007	10
Rsrp1	1.22E-07	-0.847	0.879	0.772	0.003025787	10
Dusp5	1.41E-07	-0.841	0.832	0.764	0.003501961	10
Rnf149	1.48E-07	-1.126	0.897	0.739	0.003678194	10
Stk11	1.56E-07	-0.250	0.584	0.303	0.003864887	10
Gse1	1.92E-07	-0.270	0.346	0.168	0.004764284	10
Tpt1	2.21E-07	-0.299	1	0.974	0.005490735	10
Fcer1g	2.88E-07	0.284	0.963	0.741	0.007163594	10
Kdm6b	3.08E-07	-0.948	0.921	0.806	0.007646967	10
Git2	3.12E-07	-0.272	0.664	0.358	0.007747802	10
Uap1	3.53E-07	-0.381	0.626	0.33	0.008769196	10
Gm14005	3.79E-07	-0.250	0.285	0.134	0.009417983	10
Sp140	4.51E-07	-0.289	0.65	0.363	0.011204116	10
Ifnar2	4.63E-07	-0.284	0.645	0.341	0.011509239	10
Gna13	4.73E-07	-0.664	0.972	0.806	0.011746941	10
B2m	4.87E-07	-0.352	1	0.977	0.012102128	10
Stat2	5.19E-07	-0.273	0.607	0.34	0.012881012	10
Ccl4	5.23E-07	-1.662	0.565	0.318	0.012992309	10



Irf9	5.28E-07	-0.281	0.65	0.347	0.013103879	10
Ptk2b	6.05E-07	-0.400	0.556	0.289	0.015028047	10
Glrx	6.30E-07	-0.305	0.864	0.508	0.015641683	10
Stat3	6.34E-07	-1.000	0.925	0.738	0.01573837	10
CD8a-pAbO (Ab)	6.53E-07	-1.947	0.785	0.705	0.016226944	10
Col4a3bp	6.59E-07	-0.281	0.589	0.306	0.016366124	10
Pnrc1	6.60E-07	-1.047	0.841	0.731	0.01639437	10
Hspa1b	7.02E-07	-0.382	0.864	0.583	0.017424658	10
Dennd5a	7.45E-07	-0.305	0.654	0.344	0.018504817	10
Ranbp2	8.97E-07	-0.282	0.776	0.425	0.022289332	10
Pdxk	9.41E-07	-0.264	0.565	0.299	0.023373159	10
Sla	9.59E-07	-0.401	0.687	0.381	0.023824496	10
Mthfsl	9.68E-07	-0.251	0.458	0.241	0.024044383	10
Sap18	9.76E-07	-0.269	0.855	0.491	0.024238808	10
Safb2	9.77E-07	-0.330	0.621	0.335	0.024266088	10
Stk10	1.13E-06	-0.358	0.467	0.243	0.028180299	10
Nfatc3	1.19E-06	-0.265	0.477	0.253	0.029610986	10
Clk4	1.20E-06	-0.290	0.659	0.353	0.029823593	10
Braf	1.25E-06	-0.282	0.486	0.258	0.03098982	10
Tnfaip3	1.65E-06	-1.180	0.692	0.645	0.041039768	10
Stk40	1.81E-06	-0.267	0.575	0.314	0.045045295	10
Pdlim7	1.88E-06	-0.267	0.257	0.123	0.046648589	10
Birc6	1.93E-06	-0.252	0.794	0.431	0.047878161	10
Adipor2	1.94E-06	-0.266	0.776	0.435	0.048151551	10
Ktn1	2.05E-06	-0.416	0.421	0.216	0.05085416	10
Tle3	2.08E-06	-0.319	0.542	0.294	0.051576	10
Sde2	2.22E-06	-0.297	0.813	0.459	0.055047735	10
N4bp2l2	2.28E-06	-0.251	0.575	0.314	0.056638164	10
Cdk11b	2.88E-06	-0.332	0.818	0.465	0.071602358	10
Sbno2	3.03E-06	-0.295	0.729	0.396	0.075298721	10
Mmp19	3.08E-06	-0.479	0.617	0.343	0.076594202	10
Golga4	3.31E-06	-0.261	0.561	0.305	0.082305473	10
Ciapin1	3.36E-06	-0.277	0.341	0.175	0.083493604	10
Cebpb	3.73E-06	-0.927	0.883	0.778	0.092644846	10
Plac8	3.84E-06	-1.537	0.196	0.311	0.095346038	10
Sntb2	4.20E-06	-0.286	0.416	0.223	0.104245147	10
Kmt2e	4.21E-06	-0.991	0.836	0.68	0.104552843	10
Fbrs11	4.39E-06	-0.277	0.453	0.242	0.109089938	10
Rassf5	4.66E-06	-0.304	0.327	0.17	0.115773522	10
Dhx40	5.11E-06	-0.393	0.589	0.33	0.126888825	10
Setd1b	5.34E-06	-0.289	0.397	0.209	0.132697795	10
Stat1	5.72E-06	-0.335	0.659	0.373	0.142086433	10
Sqstm1	6.03E-06	-0.616	0.991	0.897	0.149786317	10
Ccn11	6.07E-06	-0.767	0.972	0.815	0.150659181	10
Stx11	6.13E-06	-1.247	0.327	0.383	0.152148443	10
Aff1	6.81E-06	-0.254	0.743	0.419	0.169138468	10

Nlrp3	6.82E-06	-1.206	0.832	0.495	0.169445712	10
Ptpn23	7.31E-06	-0.252	0.341	0.178	0.181474874	10
Ipmk	8.13E-06	-0.260	0.547	0.299	0.202040622	10
Gas7	8.52E-06	-0.292	0.388	0.21	0.211678236	10
Sod2	9.56E-06	-0.389	0.864	0.518	0.237370153	10
Elf2	9.82E-06	-0.252	0.659	0.369	0.243948899	10
Sltm	9.87E-06	-0.441	0.743	0.424	0.245077038	10
Hbs1l	9.92E-06	-0.296	0.439	0.235	0.246451578	10
H2-D1	1.01E-05	-0.352	1	0.965	0.250352019	10
Uhrf2	1.05E-05	-0.358	0.654	0.371	0.260253709	10
Jund	1.07E-05	-0.584	0.995	0.916	0.266746589	10
Slc44a2	1.09E-05	-0.276	0.477	0.264	0.271871001	10
Rab8b	1.23E-05	-0.684	0.93	0.758	0.30526088	10
Celf1	1.28E-05	-0.299	0.687	0.393	0.318099691	10
Ski	1.29E-05	-0.275	0.701	0.397	0.319482337	10
Klf3	1.33E-05	-0.258	0.636	0.364	0.32969033	10
Rbm47	1.36E-05	-0.262	0.664	0.373	0.337767902	10
Selenon	1.45E-05	-0.398	0.285	0.146	0.360835884	10
Stx3	1.49E-05	-0.289	0.5	0.276	0.369409033	10
Epc2	1.51E-05	-0.261	0.463	0.251	0.376120318	10
Klf13	1.61E-05	-0.316	0.565	0.305	0.39891945	10
Stk4	1.67E-05	-0.453	0.766	0.426	0.413903707	10
Phf201l	1.67E-05	-0.349	0.481	0.269	0.415970215	10
Ptp4a1	1.70E-05	-0.684	0.953	0.762	0.42180426	10
Fyn	1.71E-05	-0.276	0.78	0.449	0.424033508	10
Ubc	1.94E-05	-0.608	1	0.953	0.480675397	10
Baz2b	1.96E-05	-0.337	0.631	0.359	0.487322927	10
Acap2	1.98E-05	-0.299	0.64	0.366	0.491330069	10
Slnf8	1.99E-05	-0.269	0.308	0.162	0.495536728	10
Ssh2	2.08E-05	-0.408	0.435	0.238	0.517381616	10
Fabp5	2.12E-05	-0.291	0.808	0.525	0.525886525	10
Fam133b	2.17E-05	-0.370	0.631	0.351	0.540209506	10
Neu1	2.24E-05	-0.258	0.523	0.294	0.555197918	10
Ppp1r10	2.28E-05	-0.356	0.743	0.429	0.566261742	10
Rnf138	2.36E-05	-0.265	0.364	0.197	0.585117351	10
Gm42418	2.62E-05	-0.525	1	0.906	0.649806639	10
Gdi1	2.67E-05	-0.264	0.439	0.24	0.662402008	10
Ccdc174	2.79E-05	-0.270	0.5	0.275	0.6926458	10
Tnip1	2.96E-05	-0.273	0.383	0.212	0.735555056	10
Tbc1d15	3.03E-05	-0.320	0.593	0.331	0.753264019	10
Dusp10	3.31E-05	-0.300	0.308	0.165	0.821159755	10
Gclc	3.58E-05	-0.341	0.5	0.286	0.889137401	10
Fbxo34	3.72E-05	-0.323	0.463	0.259	0.924522214	10
Safb	3.95E-05	-0.308	0.514	0.288	0.981058893	10
Mark2	4.09E-05	-0.287	0.715	0.403	1	10
Btbd7	4.34E-05	-0.265	0.477	0.267	1	10

Apobec1	4.39E-05	-0.283	0.537	0.314	1	10
Cwc25	4.50E-05	-0.335	0.589	0.335	1	10
Otud5	4.65E-05	-0.300	0.598	0.325	1	10
Vps4b	4.84E-05	-0.295	0.692	0.397	1	10
Hdac5	5.28E-05	-0.253	0.35	0.191	1	10
Chd1	5.28E-05	-0.285	0.664	0.38	1	10
Mier1	5.50E-05	-0.377	0.71	0.394	1	10
Smox	5.63E-05	-1.218	0.65	0.572	1	10
Aff4	5.65E-05	-0.263	0.71	0.407	1	10
Bcl10	6.12E-05	-0.263	0.715	0.401	1	10
Sp100	6.24E-05	-0.284	0.762	0.449	1	10
Epb41	6.38E-05	-0.280	0.477	0.271	1	10
Mxd1	6.97E-05	-0.985	0.813	0.69	1	10
Ppp1cb	7.73E-05	-0.265	0.734	0.419	1	10
Kdm3a	8.08E-05	-0.291	0.346	0.192	1	10
Resf1	8.14E-05	-0.360	0.804	0.508	1	10
Ldlrap1	8.36E-05	-0.327	0.411	0.231	1	10
Rapgef6	8.44E-05	-0.399	0.495	0.275	1	10
Mrps6	8.48E-05	-0.270	0.453	0.258	1	10
Gpnmb	8.59E-05	-0.407	0.411	0.248	1	10
Cd24a	9.09E-05	-0.760	0.491	0.31	1	10
Brd1	9.14E-05	-0.253	0.561	0.325	1	10
Csrnp1	9.24E-05	-0.903	0.935	0.764	1	10
Ankrd44	9.51E-05	-0.361	0.5	0.286	1	10
St8sia4	9.73E-05	-0.320	0.514	0.296	1	10
Filip11	9.78E-05	-0.281	0.388	0.218	1	10
Raf1	0.00010015	-0.380	0.397	0.221	1	10
Clk1	0.00010167	-0.863	0.85	0.668	1	10
Epc1	0.00010214	-0.352	0.617	0.347	1	10
Bnip3	0.00010321	-0.349	0.495	0.292	1	10
Gatad2b	0.00010394	-0.293	0.696	0.399	1	10
Slc16a3	0.00010514	-0.271	0.439	0.251	1	10
Slu7	0.00010888	-0.289	0.621	0.349	1	10
Bcl2l1	0.00011835	-0.294	0.547	0.325	1	10
Itsn2	0.00011945	-0.310	0.776	0.445	1	10
Vezf1	0.00011945	-0.286	0.57	0.33	1	10
Pvr	0.00012166	-0.327	0.664	0.386	1	10
Sf3b1	0.00012396	-0.576	0.991	0.804	1	10
Nr4a1	0.00013062	-0.350	0.799	0.516	1	10
Lilr4b	0.00013108	-1.101	0.869	0.721	1	10
Errfi1	0.00013147	-0.285	0.57	0.351	1	10
Srpk2	0.00013234	-0.452	0.346	0.191	1	10
Specc11	0.00013261	-0.260	0.565	0.322	1	10
Ptpn22	0.00013538	-0.623	0.458	0.255	1	10
Ubr4	0.0001447	-0.330	0.678	0.384	1	10
Gtf2b	0.00014914	-0.386	0.785	0.428	1	10

Chd3	0.00015062	-0.329	0.411	0.238	1	10
Vps37b	0.00016742	-1.050	0.738	0.622	1	10
Ndrp1	0.00016971	-0.317	0.715	0.442	1	10
Fcho2	0.00017026	-0.326	0.537	0.305	1	10
Sidt2	0.00017589	-0.336	0.439	0.249	1	10
Macf1	0.00019331	-0.336	0.729	0.431	1	10
Runx1	0.00019548	-0.356	0.799	0.469	1	10
Eaf1	0.00019614	-0.274	0.664	0.38	1	10
Homer1	0.00019746	-0.378	0.407	0.235	1	10
Hilpda	0.00019804	-1.476	0.696	0.61	1	10
Jun	0.00020003	-0.294	0.85	0.614	1	10
Dot1l	0.00020523	-0.292	0.729	0.443	1	10
Il10rb	0.0002065	-0.281	0.752	0.478	1	10
Ints6	0.00021602	-0.395	0.439	0.256	1	10
Cers6	0.00022163	-0.277	0.458	0.262	1	10
Ifi204	0.00022496	-0.439	0.542	0.312	1	10
Acin1	0.00022777	-0.306	0.86	0.504	1	10
Kdm6a	0.00022934	-0.279	0.481	0.278	1	10
Kctd12	0.00024116	-0.367	0.93	0.589	1	10
Tug1	0.00025719	-0.384	0.467	0.266	1	10
Arhgef10l	0.00026565	-0.282	0.346	0.196	1	10
Ubr2	0.00027595	-0.312	0.523	0.312	1	10
Nxf1	0.00027958	-0.317	0.715	0.421	1	10
Ifi203	0.00028753	-0.308	0.528	0.323	1	10
Pias1	0.00030378	-0.288	0.565	0.332	1	10
Nfatc1	0.00031226	-0.383	0.383	0.218	1	10
Gpr183	0.0003293	-0.308	0.313	0.185	1	10
Rbm5	0.00034415	-0.333	0.71	0.414	1	10
Prpf4b	0.00034855	-0.316	0.561	0.332	1	10
Cd53	0.00035212	-0.579	0.981	0.804	1	10
Ncoa4	0.00036624	-0.330	0.481	0.282	1	10
Ccl9	0.00036854	-0.303	0.678	0.449	1	10
Ash1l	0.00037251	-0.300	0.514	0.309	1	10
Taok1	0.00037336	-0.310	0.617	0.357	1	10
Arid4a	0.00037919	-0.358	0.584	0.354	1	10
Ubp1	0.00039969	-0.382	0.626	0.363	1	10
Arl6ip5	0.00042526	-0.254	0.734	0.433	1	10
Clint1	0.00045336	-0.332	0.78	0.465	1	10
Ass1	0.0004649	-0.254	0.411	0.246	1	10
Nipbl	0.00047282	-0.347	0.776	0.464	1	10
Kdm5a	0.00047942	-0.346	0.43	0.253	1	10
Mapkapk3	0.0004852	-0.346	0.612	0.356	1	10
Kmt2c	0.00049641	-0.345	0.556	0.331	1	10
Isy1	0.00052173	-0.367	0.584	0.343	1	10
Smad4	0.00052996	-0.282	0.645	0.379	1	10
Zfp516	0.00053405	-0.265	0.374	0.217	1	10

Gadd45b	0.00053556	-1.218	0.636	0.57	1	10
Zfp451	0.00055887	-0.361	0.369	0.214	1	10
Sowahc	0.00056029	-0.308	0.505	0.309	1	10
Ncor1	0.0005704	-0.264	0.766	0.478	1	10
Sp3	0.00057254	-0.284	0.645	0.389	1	10
Ube2d3	0.00057382	-0.379	0.981	0.798	1	10
Cggbp1	0.000606	-0.275	0.79	0.475	1	10
Fbxo33	0.00062091	-0.362	0.631	0.374	1	10
Adgre5	0.0006221	-0.362	0.495	0.297	1	10
Slc3a2	0.00062621	-0.404	0.977	0.808	1	10
Tnrc6a	0.00063024	-0.398	0.701	0.415	1	10
Gm8797	0.00064949	-0.386	0.617	0.353	1	10
Ankrd17	0.00068947	-0.279	0.771	0.474	1	10
Fndc3a	0.00070387	-0.340	0.514	0.3	1	10
Tatdn2	0.00070732	-0.408	0.645	0.376	1	10
Pxn	0.00073908	-0.392	0.626	0.367	1	10
Stat5b	0.00074011	-0.270	0.318	0.184	1	10
Tgfb1	0.00074554	-0.322	0.416	0.246	1	10
Vegfa	0.0007502	-1.352	0.397	0.412	1	10
Sgms2	0.00076546	-1.121	0.21	0.268	1	10
Rap1b	0.00076599	-0.332	1	0.847	1	10
Plaur	0.00077252	-1.105	0.836	0.668	1	10
Per1	0.00078314	-0.395	0.463	0.274	1	10
Mthfs	0.00080646	-0.279	0.271	0.153	1	10
Map1lc3b	0.00080847	-0.534	0.939	0.729	1	10
Tmem2	0.00081042	-0.270	0.364	0.218	1	10
Cd14	0.00083197	-1.307	0.808	0.641	1	10
Lysmd3	0.00087573	-0.342	0.458	0.272	1	10
Max	0.00088929	-0.254	0.808	0.488	1	10
Sral	0.00091403	-0.331	0.734	0.448	1	10
Rbbp6	0.00093898	-0.694	0.897	0.72	1	10
Usp38	0.00095162	-0.264	0.43	0.262	1	10
Irs2	0.0009531	-0.395	0.678	0.42	1	10
Prr14	0.00098217	-0.252	0.388	0.231	1	10
Socs1	0.00098471	-0.365	0.416	0.252	1	10
Heca	0.00100272	-0.259	0.266	0.157	1	10
Tsc22d4	0.00100557	-0.300	0.556	0.331	1	10
Zeb2	0.00104138	-0.935	0.762	0.632	1	10
Pcgf5	0.00114613	-0.453	0.556	0.323	1	10
Usp9x	0.00115254	-0.323	0.659	0.395	1	10
Foxo3	0.00117955	-0.253	0.332	0.197	1	10
Chic2	0.00117968	-0.375	0.72	0.417	1	10
Ppp2r2a	0.00121249	-0.284	0.841	0.496	1	10
Lnpep	0.00123238	-0.284	0.743	0.453	1	10
Prkch	0.00123664	-0.388	0.369	0.215	1	10
Rgs2	0.00125835	-1.004	0.846	0.712	1	10

Chmp1b	0.00129974	-0.262	0.439	0.263	1	10
Adipor1	0.00130635	-0.352	0.752	0.451	1	10
Rps27	0.0013235	-0.409	1	0.9	1	10
Bcl2a1b	0.00133581	-0.296	0.444	0.272	1	10
Dgkz	0.00134793	-0.368	0.458	0.277	1	10
Notch2	0.00139772	-0.425	0.593	0.353	1	10
Mtmr3	0.00148493	-0.266	0.439	0.266	1	10
Itga5	0.0015473	-0.524	0.729	0.447	1	10
Ccl3	0.00170664	-2.536	0.491	0.305	1	10
Gls	0.00173139	-0.767	0.907	0.68	1	10
Sema4d	0.00173749	-1.168	0.467	0.432	1	10
Mycbp2	0.00175111	-0.392	0.598	0.368	1	10
Dgat1	0.00181724	-1.308	0.308	0.339	1	10
Trpm7	0.00187253	-0.294	0.584	0.362	1	10
Apc	0.00191383	-0.280	0.364	0.218	1	10
Cpeb4	0.00197169	-0.349	0.65	0.395	1	10
Nfkb2	0.00201257	-0.338	0.421	0.253	1	10
Plk3	0.00211336	-0.547	0.374	0.228	1	10
Maff	0.00217173	-0.529	0.654	0.407	1	10
Tnfrsf12a	0.00217742	-0.419	0.397	0.239	1	10
Emb	0.00232057	-0.491	0.766	0.534	1	10
Rela	0.00233508	-0.274	0.603	0.371	1	10
Zranb1	0.00237246	-0.388	0.43	0.261	1	10
Arf4	0.00239784	-0.569	0.944	0.717	1	10
Rara	0.00243406	-0.338	0.542	0.336	1	10
Baiap2	0.00245639	-0.340	0.444	0.269	1	10
Aebp2	0.00247835	-0.469	0.682	0.414	1	10
Bptf	0.00255971	-0.426	0.743	0.436	1	10
Sbno1	0.00256275	-0.379	0.818	0.493	1	10
Ubn2	0.00264062	-0.277	0.397	0.246	1	10
Sertad2	0.00268262	-0.310	0.514	0.315	1	10
Wipf2	0.00268584	-0.314	0.43	0.263	1	10
Ptpre	0.00272791	-0.564	0.626	0.368	1	10
Anxa11	0.00273137	-0.329	0.822	0.523	1	10
Ubn1	0.00273516	-0.355	0.71	0.435	1	10
Peak1	0.00275657	-0.296	0.341	0.207	1	10
Ubald1	0.00281599	-0.321	0.486	0.294	1	10
Traf3	0.00283026	-0.359	0.421	0.255	1	10
Nfkbid	0.0028544	-0.633	0.467	0.288	1	10
Il17ra	0.00285835	-0.432	0.463	0.28	1	10
Igtp	0.00287337	-0.433	0.294	0.18	1	10
Spin1	0.00294365	-0.356	0.477	0.287	1	10
Pde4b	0.00295488	-0.806	0.631	0.56	1	10
Slc25a37	0.00302452	-0.456	0.364	0.222	1	10
Pxk	0.00321816	-0.305	0.388	0.236	1	10
Map2k4	0.003222	-0.333	0.509	0.31	1	10

mt-Nd5	0.00325716	-0.390	1	0.907	1	10
Rlf	0.00335772	-0.304	0.327	0.203	1	10
Ythdf3	0.00338201	-0.334	0.645	0.392	1	10
AW112010	0.00348846	-0.471	0.542	0.349	1	10
Psd4	0.00353863	-0.380	0.35	0.212	1	10
Fmn1l	0.00382736	-0.406	0.827	0.509	1	10
Sdc4	0.00393796	-0.282	0.785	0.509	1	10
Baz1a	0.00399399	-0.258	0.85	0.549	1	10
Atf4	0.00403391	-0.507	0.981	0.875	1	10
Piezo1	0.0041403	-0.494	0.748	0.449	1	10
Arl5a	0.0046102	-0.508	0.64	0.379	1	10
Grina	0.00482714	-1.285	0.593	0.486	1	10
Zfp361l	0.0048995	-1.121	0.701	0.563	1	10
Wipf1	0.00490553	-0.277	0.86	0.549	1	10
Ttc39b	0.00496699	-0.332	0.304	0.188	1	10
Oasl1	0.00503288	-0.403	0.341	0.217	1	10
Atf7ip	0.00503993	-0.595	0.5	0.303	1	10
Brwd1	0.00541418	-0.406	0.393	0.243	1	10
Rassf1	0.00560148	-0.320	0.664	0.419	1	10
Ccr5	0.00568628	-0.345	0.752	0.481	1	10
Foxn3	0.00592929	-0.386	0.556	0.344	1	10
Ehd1	0.00599421	-0.357	0.673	0.408	1	10
Rictor	0.00606485	-0.290	0.257	0.157	1	10
Gadd45g	0.00608831	-0.633	0.402	0.252	1	10
Fbxo1l	0.0061453	-0.351	0.673	0.408	1	10
Fnbp4	0.00631342	-0.403	0.636	0.396	1	10
Ets2	0.00638742	-0.975	0.766	0.611	1	10
Srsf7	0.00689678	-0.371	0.902	0.584	1	10
Parp14	0.00695198	-0.347	0.407	0.257	1	10
Rab21	0.00700819	-0.307	0.799	0.488	1	10
Zdhhc18	0.00707084	-0.390	0.35	0.215	1	10
Sdf4	0.00712369	-0.565	0.706	0.418	1	10
Prdm2	0.00712753	-0.900	0.65	0.519	1	10
Ifngr1	0.00734265	-0.688	0.701	0.426	1	10
Mxi1	0.00735913	-0.817	0.523	0.454	1	10
Ubap1	0.00746195	-0.435	0.421	0.264	1	10
Gm47283	0.00750529	-0.614	0.762	0.477	1	10
Ndfip2	0.00760052	-0.315	0.561	0.349	1	10
Bcor	0.00786863	-0.263	0.262	0.163	1	10
Pik3r1	0.00796931	-0.456	0.654	0.411	1	10
Tpp2	0.0083151	-0.358	0.79	0.496	1	10
Noct	0.00848861	-0.539	0.575	0.369	1	10
Rnf213	0.00871813	-0.686	0.491	0.305	1	10
AC149090.1	0.0087791	-0.308	0.29	0.184	1	10
Rhog	0.00878002	-0.390	0.977	0.787	1	10
Rc3h1	0.00882922	-0.391	0.626	0.383	1	10

Ube2j1	0.00916614	-0.309	0.692	0.433	1	10
Orai1	0.00932062	-0.354	0.593	0.382	1	10
Birc3	0.00943866	-0.331	0.379	0.24	1	10
Myliip	0.00955716	-0.292	0.444	0.296	1	10
Mindy1	0.00966469	-0.419	0.421	0.264	1	10
Crlf3	0.0097222	-0.497	0.565	0.351	1	10
Smad7	0.00998707	-0.950	0.402	0.388	1	10
Lyve1	0	3.497	0.727	0.01	0	11
Ednrb	0	2.539	0.721	0.035	0	11
Fcna	0	2.186	0.715	0.024	0	11
Npl	0	1.637	0.802	0.05	0	11
C6	0	1.506	0.419	0.002	0	11
Cp	0	1.457	0.541	0.016	0	11
Rcn3	0	1.241	0.645	0.023	0	11
Dnm1	0	0.610	0.424	0.008	0	11
Tslp	0	0.571	0.395	0.005	0	11
Chp2	0	0.533	0.384	0.006	0	11
Ltc4s	1.70E-302	1.191	0.523	0.019	4.23E-298	11
Cbr2	1.74E-300	3.533	0.965	0.101	4.32E-296	11
Gas6	1.92E-300	2.409	0.866	0.072	4.77E-296	11
Folr2	5.50E-297	3.357	0.936	0.093	1.37E-292	11
Cd163	2.83E-292	3.387	0.547	0.023	7.02E-288	11
Kank2	4.37E-270	0.818	0.488	0.019	1.09E-265	11
Etv1	1.38E-244	0.762	0.523	0.026	3.43E-240	11
C4b	1.49E-240	2.643	0.686	0.054	3.71E-236	11
Stard8	1.01E-228	1.551	0.721	0.064	2.51E-224	11
Nxpe5	4.15E-228	1.059	0.674	0.052	1.03E-223	11
Siglec1	1.39E-203	1.296	0.715	0.07	3.46E-199	11
Ang	1.94E-198	1.014	0.715	0.07	4.83E-194	11
Cela1	8.83E-194	0.627	0.517	0.034	2.19E-189	11
Bmp2	1.37E-183	0.430	0.256	0.006	3.40E-179	11
Igfbp4	2.04E-181	1.560	0.721	0.081	5.08E-177	11
Fcgrt	7.21E-181	2.968	0.965	0.203	1.79E-176	11
Pdgfc	7.07E-177	0.580	0.5	0.035	1.76E-172	11
Rnase4	2.96E-176	2.351	0.901	0.155	7.35E-172	11
Ccl8	1.50E-175	4.591	0.994	0.22	3.73E-171	11
Aldh7a1	6.89E-173	0.574	0.471	0.032	1.71E-168	11
Fxyd2	6.56E-166	0.580	0.355	0.017	1.63E-161	11
Abca9	2.00E-162	0.730	0.57	0.052	4.97E-158	11
Igf1	7.94E-161	1.680	0.866	0.13	1.97E-156	11
P2ry12	3.44E-157	0.734	0.552	0.051	8.55E-153	11
Gpt2	3.89E-155	0.937	0.634	0.069	9.65E-151	11
Sult1a1	9.80E-153	0.513	0.39	0.024	2.44E-148	11
Tns1	7.63E-147	1.396	0.727	0.105	1.89E-142	11
Smagp	2.61E-144	0.651	0.558	0.057	6.48E-140	11
F13a1	4.35E-143	2.954	0.971	0.248	1.08E-138	11



Saa3	5.05E-142	3.226	0.453	0.037	1.26E-137	11
Ccdc152	2.08E-141	0.381	0.297	0.014	5.16E-137	11
Gjal	2.25E-140	1.385	0.413	0.031	5.58E-136	11
Cd55	1.17E-138	1.018	0.372	0.024	2.90E-134	11
C1qa	9.56E-138	2.551	0.983	0.261	2.37E-133	11
Plekhg5	9.96E-138	0.316	0.262	0.01	2.47E-133	11
Gpr34	1.36E-137	0.400	0.297	0.014	3.38E-133	11
Slc9a9	8.88E-136	0.962	0.663	0.089	2.21E-131	11
Scamp5	9.45E-136	0.510	0.465	0.041	2.35E-131	11
Pltp	2.38E-134	2.928	0.953	0.263	5.91E-130	11
Ccl7	5.22E-133	2.157	0.907	0.183	1.30E-128	11
Rab11fip5	3.02E-132	1.107	0.762	0.129	7.50E-128	11
Timp2	1.03E-131	2.851	0.965	0.283	2.57E-127	11
Slco2b1	1.41E-130	0.478	0.32	0.019	3.50E-126	11
Selenop	2.13E-128	4.465	0.988	0.396	5.29E-124	11
Serpina6a	2.67E-128	1.907	0.855	0.18	6.63E-124	11
Cd38	2.34E-124	1.109	0.698	0.106	5.82E-120	11
Clec10a	5.78E-124	2.860	0.86	0.195	1.44E-119	11
Nrp1	1.16E-121	1.249	0.814	0.16	2.89E-117	11
Lrg1	5.97E-121	0.663	0.308	0.018	1.48E-116	11
Alox5	9.82E-118	0.584	0.5	0.054	2.44E-113	11
Trf	3.48E-117	1.532	0.797	0.156	8.64E-113	11
Lrp6	1.06E-113	1.336	0.802	0.17	2.62E-109	11
Reps2	1.71E-113	0.286	0.32	0.022	4.24E-109	11
Tmem37	1.77E-113	1.206	0.791	0.151	4.40E-109	11
Ms4a7	3.09E-113	1.810	0.942	0.231	7.68E-109	11
Ophn1	4.10E-113	0.660	0.564	0.073	1.02E-108	11
Hpse	3.58E-112	1.096	0.686	0.116	8.90E-108	11
Tmem8	4.75E-112	0.917	0.634	0.094	1.18E-107	11
Mrc1	7.66E-112	2.495	0.948	0.315	1.90E-107	11
Itsn1	1.65E-111	1.273	0.843	0.186	4.09E-107	11
Pf4	3.62E-111	1.909	0.93	0.221	9.00E-107	11
Sorbs3	5.41E-111	0.522	0.442	0.045	1.34E-106	11
C1qc	1.57E-110	2.450	0.983	0.345	3.89E-106	11
Cfh	3.15E-109	1.237	0.488	0.06	7.83E-105	11
Adgrg1	1.23E-108	0.463	0.413	0.039	3.04E-104	11
Hfe	1.91E-108	0.925	0.733	0.136	4.74E-104	11
Mpi	8.27E-107	0.602	0.471	0.054	2.05E-102	11
Ccl12	3.49E-106	1.646	0.669	0.109	8.67E-102	11
Wwp1	6.67E-106	1.340	0.791	0.174	1.66E-101	11
Hacd4	7.92E-105	0.971	0.733	0.137	1.97E-100	11
C1qb	1.15E-102	2.183	0.988	0.379	2.87E-98	11
Ptgs1	2.16E-102	0.422	0.32	0.024	5.35E-98	11
Cd302	1.70E-101	1.300	0.773	0.18	4.22E-97	11
C1ra	3.95E-98	0.442	0.413	0.045	9.80E-94	11
Aoah	8.12E-98	1.083	0.762	0.16	2.02E-93	11

Il10	1.64E-97	1.341	0.628	0.104	4.08E-93	11
Itm2b	2.10E-96	2.414	0.994	0.778	5.22E-92	11
Fam213b	4.11E-96	0.504	0.465	0.059	1.02E-91	11
Hnmt	1.24E-95	0.297	0.302	0.024	3.09E-91	11
Ms4a8a	2.63E-95	1.205	0.686	0.129	6.52E-91	11
Scn1b	2.92E-95	0.481	0.413	0.045	7.26E-91	11
Ddx60	1.30E-94	0.473	0.343	0.031	3.22E-90	11
Trpv4	1.04E-93	0.399	0.331	0.03	2.58E-89	11
Epb4111	4.94E-93	0.639	0.541	0.081	1.23E-88	11
Apoe	7.32E-93	2.739	0.994	0.497	1.82E-88	11
Ap2a2	6.77E-92	1.273	0.884	0.257	1.68E-87	11
8-Sep	1.48E-91	0.841	0.692	0.137	3.67E-87	11
Prune2	1.74E-89	0.560	0.5	0.072	4.31E-85	11
Pmp22	3.65E-89	1.618	0.715	0.161	9.06E-85	11
Plod1	4.07E-89	0.862	0.738	0.157	1.01E-84	11
Wfdc17	4.24E-89	2.673	0.988	0.496	1.05E-84	11
Idh2	1.06E-88	0.847	0.686	0.144	2.62E-84	11
Slc12a7	1.06E-88	0.547	0.558	0.09	2.64E-84	11
B3galnt1	4.70E-88	0.311	0.32	0.03	1.17E-83	11
Nacc2	9.26E-86	0.502	0.448	0.06	2.30E-81	11
Frmd4b	3.42E-85	0.772	0.674	0.135	8.49E-81	11
Adgre1	5.65E-85	1.525	0.907	0.281	1.40E-80	11
Maoa	9.03E-85	0.417	0.297	0.026	2.24E-80	11
Mgst1	5.66E-84	0.922	0.674	0.134	1.41E-79	11
Pla2g15	7.10E-84	0.662	0.61	0.112	1.76E-79	11
Stab1	2.40E-83	1.506	0.808	0.212	5.96E-79	11
Gpx3	7.97E-83	0.538	0.372	0.043	1.98E-78	11
Mtss1	3.69E-82	1.133	0.826	0.226	9.16E-78	11
Grn	6.07E-82	1.815	1	0.626	1.51E-77	11
Csflr	1.17E-81	1.797	0.936	0.427	2.90E-77	11
Mcoln2	2.19E-81	0.457	0.384	0.046	5.43E-77	11
Fcgr2b	5.26E-81	1.957	0.977	0.505	1.31E-76	11
Dab2	1.95E-79	1.784	0.959	0.412	4.85E-75	11
Blvrb	5.68E-79	0.874	0.75	0.18	1.41E-74	11
Hdac9	7.30E-79	0.290	0.25	0.02	1.81E-74	11
P2ry13	1.13E-78	0.388	0.262	0.022	2.81E-74	11
Tmem86a	1.21E-78	0.952	0.634	0.133	3.00E-74	11
Man1c1	1.01E-77	0.882	0.727	0.173	2.52E-73	11
Tmem176b	1.75E-77	1.419	0.767	0.195	4.36E-73	11
Mertk	4.04E-77	0.712	0.581	0.11	1.00E-72	11
Sash1	4.36E-77	0.797	0.686	0.152	1.08E-72	11
Agtrap	1.03E-76	0.983	0.674	0.163	2.56E-72	11
Steap3	1.07E-76	0.616	0.558	0.102	2.67E-72	11
Snx2	1.98E-76	1.604	0.919	0.416	4.91E-72	11
Lamp1	2.05E-76	1.619	0.988	0.653	5.10E-72	11
Lgals3bp	6.81E-76	1.596	0.907	0.377	1.69E-71	11

Susd1	8.94E-76	0.272	0.291	0.028	2.22E-71	11
Tspan4	1.21E-75	0.531	0.442	0.067	3.00E-71	11
Slc28a2	1.30E-75	0.745	0.645	0.133	3.23E-71	11
Cnrip1	5.82E-75	0.304	0.273	0.025	1.44E-70	11
Aldh2	7.35E-75	1.391	0.878	0.326	1.82E-70	11
Tpcn1	1.32E-74	0.387	0.413	0.057	3.27E-70	11
Eps15	3.59E-74	1.220	0.82	0.268	8.92E-70	11
Ccl6	4.62E-74	2.152	0.988	0.529	1.15E-69	11
Acp2	1.83E-73	0.812	0.791	0.207	4.55E-69	11
Ctnnd1	3.47E-73	0.688	0.669	0.149	8.62E-69	11
Idh1	4.97E-73	0.940	0.762	0.204	1.24E-68	11
Ms4a6d	6.76E-73	1.493	0.936	0.405	1.68E-68	11
Sgpp1	1.02E-72	0.755	0.616	0.134	2.54E-68	11
Mapre3	2.11E-72	0.296	0.308	0.033	5.23E-68	11
Ap1b1	2.13E-72	0.969	0.767	0.22	5.29E-68	11
Psd3	2.99E-72	0.288	0.343	0.041	7.44E-68	11
Ap2m1	5.38E-72	1.695	0.965	0.622	1.34E-67	11
Lifr	7.11E-72	0.538	0.477	0.076	1.77E-67	11
Tcn2	8.87E-72	1.419	0.802	0.274	2.20E-67	11
Trem2	1.53E-71	1.135	0.808	0.215	3.80E-67	11
Slc13a3	1.83E-71	0.398	0.285	0.029	4.54E-67	11
Pepd	2.61E-71	0.979	0.721	0.196	6.48E-67	11
Sulf2	8.52E-71	0.923	0.64	0.15	2.12E-66	11
Pros1	8.14E-70	0.903	0.494	0.093	2.02E-65	11
Rab3il1	1.04E-68	0.756	0.68	0.164	2.57E-64	11
Maf	1.20E-68	1.485	0.936	0.4	2.97E-64	11
Hpgds	8.52E-68	0.859	0.587	0.126	2.12E-63	11
Ctsb	1.36E-67	1.642	0.994	0.847	3.37E-63	11
Hbegf	3.23E-67	1.277	0.703	0.178	8.02E-63	11
Atp6v0a1	6.13E-67	0.927	0.791	0.227	1.52E-62	11
Tgfbr2	1.71E-66	1.039	0.808	0.259	4.24E-62	11
Clec4a1	1.81E-66	1.119	0.907	0.307	4.50E-62	11
Nupr1	7.32E-66	0.927	0.593	0.132	1.82E-61	11
Lgmn	1.04E-65	1.624	0.959	0.494	2.57E-61	11
Rgs18	1.16E-65	0.263	0.355	0.047	2.88E-61	11
Selenbp1	1.37E-65	0.358	0.384	0.055	3.41E-61	11
Camk1	1.55E-65	0.618	0.564	0.121	3.85E-61	11
Zdhhc14	2.21E-65	0.484	0.43	0.069	5.50E-61	11
Rnf141	3.17E-65	0.573	0.541	0.111	7.88E-61	11
Ccl9	3.60E-65	1.796	0.936	0.443	8.94E-61	11
Comt	2.18E-64	0.989	0.814	0.262	5.42E-60	11
Nfix	4.23E-64	0.654	0.599	0.135	1.05E-59	11
Cmklr1	4.32E-64	0.584	0.599	0.132	1.07E-59	11
Cfp	1.14E-63	1.388	0.919	0.392	2.83E-59	11
Gda	3.27E-63	1.360	0.93	0.374	8.12E-59	11
Ecm1	3.35E-63	1.155	0.855	0.276	8.32E-59	11

Pon3	4.34E-63	0.403	0.465	0.084	1.08E-58	11
Zcchc24	1.36E-62	0.528	0.506	0.099	3.39E-58	11
Pcyox1	1.83E-62	0.503	0.512	0.103	4.54E-58	11
Dse	2.41E-62	0.818	0.762	0.218	5.99E-58	11
Fam43a	2.91E-62	0.813	0.384	0.059	7.24E-58	11
Ap1s2	3.90E-62	0.923	0.831	0.279	9.68E-58	11
Fgfr1	6.50E-62	0.313	0.523	0.102	1.61E-57	11
Il18bp	7.04E-62	0.567	0.552	0.113	1.75E-57	11
Rnasel	1.98E-61	0.577	0.663	0.165	4.92E-57	11
Myo7a	2.73E-61	0.419	0.436	0.076	6.79E-57	11
Tmem140	2.78E-61	0.454	0.453	0.081	6.91E-57	11
Spon1	3.23E-61	0.585	0.337	0.046	8.03E-57	11
Rnf130	3.75E-61	1.093	0.913	0.407	9.32E-57	11
Cyp27a1	4.34E-61	0.447	0.384	0.059	1.08E-56	11
Nfxl1	6.46E-61	0.674	0.564	0.125	1.60E-56	11
Adam15	7.60E-61	1.111	0.837	0.311	1.89E-56	11
Nr1d1	7.85E-61	0.613	0.424	0.073	1.95E-56	11
Rnf150	1.14E-60	0.597	0.471	0.088	2.84E-56	11
Rin2	1.86E-60	0.648	0.599	0.137	4.63E-56	11
Snx6	1.95E-60	1.321	0.826	0.341	4.84E-56	11
Gm4951	1.85E-59	0.339	0.285	0.034	4.60E-55	11
Snta1	2.48E-59	0.257	0.285	0.034	6.15E-55	11
Ehd4	5.58E-59	1.371	0.895	0.436	1.39E-54	11
Unc93b1	6.21E-59	1.254	0.895	0.425	1.54E-54	11
Lyz2	7.39E-59	1.570	0.994	0.592	1.84E-54	11
Tmem176a	8.48E-59	0.955	0.622	0.152	2.11E-54	11
Dhrs3	1.42E-58	0.810	0.814	0.244	3.52E-54	11
Tmem268	1.58E-58	0.407	0.419	0.073	3.93E-54	11
Ly86	1.68E-58	1.317	0.942	0.459	4.16E-54	11
Ms4a6b	1.81E-58	1.022	0.797	0.271	4.50E-54	11
Nrp2	3.28E-58	0.846	0.733	0.215	8.14E-54	11
Fchsd2	3.77E-58	0.496	0.523	0.111	9.36E-54	11
Hsbp1	3.83E-58	1.290	0.855	0.365	9.51E-54	11
Lmo2	9.03E-58	0.674	0.703	0.191	2.24E-53	11
Ctsl	1.47E-57	1.193	0.983	0.489	3.65E-53	11
Ccl2	2.51E-57	1.125	0.89	0.313	6.22E-53	11
Ncf1	3.05E-57	0.892	0.779	0.254	7.57E-53	11
Tmem106a	3.34E-57	0.898	0.866	0.294	8.29E-53	11
Tcf4	6.90E-57	0.779	0.826	0.28	1.71E-52	11
Slc38a6	7.44E-57	0.541	0.448	0.086	1.85E-52	11
Iqgap2	1.19E-56	0.729	0.791	0.24	2.95E-52	11
4931406C07Rik	2.21E-56	0.519	0.517	0.111	5.49E-52	11
S100a1	7.90E-56	0.593	0.692	0.19	1.96E-51	11
Tpp1	1.85E-55	1.154	0.884	0.391	4.58E-51	11
Xdh	6.84E-55	0.855	0.779	0.247	1.70E-50	11
Mpp1	7.35E-55	0.844	0.849	0.308	1.83E-50	11

P2ry6	1.50E-54	0.483	0.57	0.137	3.73E-50	11
Ctsc	4.70E-54	1.461	0.942	0.582	1.17E-49	11
Dcxr	4.92E-54	0.503	0.442	0.087	1.22E-49	11
Abca1	1.48E-53	0.845	0.86	0.287	3.68E-49	11
Cpq	1.61E-53	0.478	0.419	0.081	4.00E-49	11
Ntpcr	3.35E-53	0.468	0.523	0.118	8.32E-49	11
Gfra2	6.33E-53	0.338	0.273	0.035	1.57E-48	11
Fcgr3	7.65E-53	1.136	0.965	0.492	1.90E-48	11
Bin1	1.22E-52	0.942	0.767	0.279	3.04E-48	11
Clec4a3	1.23E-52	0.890	0.843	0.291	3.06E-48	11
Fez2	1.47E-52	0.443	0.517	0.118	3.66E-48	11
Hexa	1.49E-52	1.229	0.913	0.451	3.70E-48	11
Enpp1	2.22E-52	0.400	0.407	0.076	5.51E-48	11
Stard3nl	3.56E-52	0.733	0.727	0.241	8.83E-48	11
Ly6e	7.97E-52	1.557	0.965	0.732	1.98E-47	11
Ms4a6c	1.27E-51	1.229	0.942	0.461	3.15E-47	11
Scamp2	1.29E-51	1.009	0.86	0.374	3.22E-47	11
Rnpep	2.28E-51	0.610	0.721	0.22	5.66E-47	11
Ptgr1	3.18E-51	0.346	0.448	0.091	7.91E-47	11
Gnpdal	4.83E-51	0.750	0.75	0.251	1.20E-46	11
Scamp1	5.13E-51	0.501	0.622	0.163	1.27E-46	11
Rgl1	5.35E-51	0.895	0.878	0.341	1.33E-46	11
Spire1	6.70E-51	0.322	0.43	0.084	1.66E-46	11
Clcn5	7.26E-51	0.534	0.57	0.143	1.80E-46	11
Slc35f5	1.27E-50	0.473	0.535	0.127	3.16E-46	11
Gpr146	1.83E-50	0.278	0.395	0.072	4.54E-46	11
Adam9	2.37E-50	0.964	0.849	0.36	5.88E-46	11
P2rx7	2.45E-50	0.647	0.61	0.16	6.10E-46	11
Gm36161	3.51E-50	0.623	0.535	0.133	8.72E-46	11
Sdc3	2.05E-49	1.071	0.884	0.379	5.08E-45	11
Slc17a5	3.12E-49	0.324	0.366	0.066	7.75E-45	11
Oas1g	3.12E-49	0.342	0.302	0.046	7.75E-45	11
Fads1	3.78E-49	0.523	0.483	0.112	9.39E-45	11
Spred1	4.19E-49	0.562	0.703	0.212	1.04E-44	11
Asah1	4.45E-49	0.975	0.831	0.34	1.11E-44	11
Tbxas1	5.15E-49	0.409	0.465	0.1	1.28E-44	11
Sgcb	5.69E-49	0.363	0.372	0.069	1.41E-44	11
Ermard	7.00E-49	0.261	0.302	0.045	1.74E-44	11
P2rx4	9.17E-49	0.666	0.744	0.247	2.28E-44	11
Fkbp15	9.94E-49	0.544	0.68	0.205	2.47E-44	11
Fcrls	1.31E-48	0.824	0.43	0.09	3.26E-44	11
Gns	1.90E-48	0.970	0.884	0.405	4.73E-44	11
Wdfy2	1.94E-48	0.548	0.64	0.176	4.82E-44	11
Serinc3	2.11E-48	1.151	0.977	0.786	5.24E-44	11
Snx5	2.73E-48	1.115	0.953	0.59	6.79E-44	11
Naaa	2.89E-48	0.903	0.843	0.319	7.19E-44	11

Fut8	3.05E-48	0.259	0.372	0.067	7.58E-44	11
Man2b2	4.22E-48	0.526	0.581	0.159	1.05E-43	11
Gdpd1	4.97E-48	0.374	0.39	0.074	1.24E-43	11
Tmem141	5.41E-48	0.344	0.366	0.067	1.34E-43	11
Abcd4	9.94E-48	0.325	0.366	0.068	2.47E-43	11
Glul	1.25E-47	1.349	0.93	0.563	3.11E-43	11
C3ar1	1.40E-47	1.099	0.907	0.397	3.49E-43	11
Plxnb2	2.25E-47	0.647	0.703	0.226	5.58E-43	11
Hmox1	2.74E-47	1.448	0.953	0.538	6.81E-43	11
Zfyve21	3.14E-47	0.251	0.314	0.051	7.79E-43	11
Nfia	3.91E-47	0.255	0.267	0.037	9.70E-43	11
Ctso	5.04E-47	0.338	0.43	0.091	1.25E-42	11
Lacc1	8.32E-47	0.609	0.657	0.19	2.07E-42	11
Mpv17	1.23E-46	0.347	0.459	0.103	3.05E-42	11
Ifitm2	1.28E-46	1.199	0.959	0.62	3.19E-42	11
Hspb1	4.81E-46	1.078	0.291	0.046	1.20E-41	11
Gbp7	5.67E-46	0.653	0.68	0.209	1.41E-41	11
Tmem2	6.98E-46	0.659	0.686	0.211	1.73E-41	11
Vwa5a	1.45E-45	0.531	0.663	0.198	3.59E-41	11
Smpdl3a	1.50E-45	0.883	0.773	0.293	3.73E-41	11
Smim10l1	1.62E-45	0.545	0.558	0.148	4.03E-41	11
Arhgap19	2.11E-45	0.309	0.372	0.072	5.24E-41	11
App	2.18E-45	1.131	0.971	0.599	5.43E-41	11
Rab31	2.49E-45	0.631	0.674	0.218	6.20E-41	11
Cd68	3.01E-45	1.098	0.983	0.631	7.47E-41	11
Ctsh	3.64E-45	1.046	0.919	0.473	9.04E-41	11
Itga9	5.86E-45	0.408	0.442	0.096	1.45E-40	11
Dram2	7.97E-45	0.660	0.587	0.177	1.98E-40	11
Pikfyve	1.36E-44	0.320	0.5	0.119	3.38E-40	11
Cysltrl	1.56E-44	0.544	0.512	0.131	3.87E-40	11
Mocs2	2.08E-44	0.483	0.581	0.163	5.18E-40	11
Man1a	2.25E-44	0.910	0.86	0.39	5.60E-40	11
Laptm4a	2.35E-44	0.986	0.953	0.655	5.83E-40	11
Paox	3.90E-44	0.309	0.326	0.058	9.69E-40	11
Arhgap23	4.08E-44	0.349	0.326	0.057	1.01E-39	11
Wdfy3	6.33E-44	0.440	0.605	0.166	1.57E-39	11
Lipa	8.67E-44	0.907	0.808	0.33	2.15E-39	11
Atp13a2	9.33E-44	0.618	0.576	0.169	2.32E-39	11
Cln6	2.93E-43	0.395	0.483	0.12	7.27E-39	11
Btbd2	3.22E-43	0.661	0.355	0.069	8.00E-39	11
Myo5a	5.01E-43	0.781	0.837	0.33	1.24E-38	11
Oas1l	5.21E-43	0.822	0.674	0.208	1.30E-38	11
Ms4a14	7.57E-43	0.316	0.407	0.086	1.88E-38	11
Ms4a4a	1.34E-42	0.293	0.285	0.046	3.33E-38	11
Ifit3	1.40E-42	0.466	0.355	0.067	3.48E-38	11
Naa60	1.99E-42	0.486	0.587	0.173	4.93E-38	11

Ifitm3	3.13E-42	1.229	0.948	0.547	7.76E-38	11
Slc29a1	3.74E-42	0.566	0.587	0.171	9.29E-38	11
Klf4	6.12E-42	1.246	0.942	0.609	1.52E-37	11
Naglu	9.04E-42	0.416	0.483	0.121	2.25E-37	11
Gstm1	9.44E-42	0.401	0.634	0.182	2.34E-37	11
Ifi204	1.06E-41	0.660	0.808	0.306	2.64E-37	11
Serpinb8	1.29E-41	0.475	0.506	0.131	3.21E-37	11
Evi5	2.06E-41	0.343	0.407	0.09	5.13E-37	11
Mknk1	2.10E-41	0.468	0.645	0.201	5.21E-37	11
Ctsd	2.25E-41	1.077	0.959	0.575	5.59E-37	11
Abhd12	2.63E-41	0.658	0.773	0.279	6.54E-37	11
Bst1	4.00E-41	0.635	0.616	0.19	9.94E-37	11
Srgap2	4.06E-41	0.445	0.674	0.212	1.01E-36	11
Akr1a1	5.27E-41	0.925	0.965	0.629	1.31E-36	11
Ap2s1	5.53E-41	0.755	0.837	0.356	1.37E-36	11
Mef2c	6.02E-41	0.415	0.529	0.142	1.50E-36	11
Lrrc25	7.58E-41	0.624	0.773	0.283	1.88E-36	11
Gas7	8.35E-41	0.527	0.645	0.204	2.07E-36	11
Tanc2	8.68E-41	0.334	0.372	0.078	2.16E-36	11
Snx9	1.29E-40	0.928	0.895	0.438	3.20E-36	11
Glb1	1.38E-40	0.392	0.424	0.1	3.42E-36	11
Snx8	1.47E-40	0.492	0.756	0.261	3.65E-36	11
Vamp3	1.62E-40	0.815	0.843	0.397	4.01E-36	11
Fam234a	1.99E-40	0.284	0.448	0.108	4.93E-36	11
Twf1	2.17E-40	0.584	0.64	0.211	5.39E-36	11
Bst2	2.30E-40	0.882	0.82	0.344	5.71E-36	11
Cenpb	2.36E-40	0.525	0.669	0.218	5.86E-36	11
Zfhx3	2.94E-40	0.403	0.471	0.118	7.31E-36	11
Snx3	3.35E-40	0.944	0.959	0.667	8.31E-36	11
Tex264	3.95E-40	0.391	0.541	0.152	9.81E-36	11
Slc7a7	4.39E-40	0.381	0.477	0.121	1.09E-35	11
Smim20	1.01E-39	0.402	0.442	0.111	2.50E-35	11
Cd63	1.17E-39	0.924	0.948	0.46	2.91E-35	11
Tnfsf12	1.21E-39	0.578	0.715	0.239	3.02E-35	11
Stxbp6	1.25E-39	0.303	0.285	0.049	3.10E-35	11
Retnla	1.30E-39	2.430	0.465	0.126	3.22E-35	11
Siae	1.60E-39	0.280	0.355	0.073	3.96E-35	11
Plbd2	3.32E-39	0.485	0.651	0.211	8.26E-35	11
Tgfbrap1	3.74E-39	0.262	0.401	0.089	9.28E-35	11
Necap2	4.31E-39	0.714	0.791	0.332	1.07E-34	11
Tlr7	5.49E-39	0.384	0.384	0.085	1.36E-34	11
Rnf13	5.52E-39	0.644	0.762	0.291	1.37E-34	11
Rps6kc1	8.54E-39	0.277	0.32	0.062	2.12E-34	11
Ppp1r21	1.29E-38	0.407	0.564	0.167	3.21E-34	11
Cacna1d	1.44E-38	0.261	0.308	0.058	3.57E-34	11
Sord	2.77E-38	0.342	0.39	0.091	6.88E-34	11

Rassf4	4.04E-38	0.463	0.599	0.188	1.00E-33	11
I118	4.80E-38	0.396	0.378	0.085	1.19E-33	11
Oasl2	5.09E-38	0.455	0.692	0.23	1.26E-33	11
Hist1h2bc	5.11E-38	0.801	0.738	0.286	1.27E-33	11
Snx30	5.36E-38	0.512	0.698	0.245	1.33E-33	11
Inpp4a	5.93E-38	0.333	0.517	0.141	1.47E-33	11
Cept1	6.08E-38	0.442	0.576	0.178	1.51E-33	11
Tbc1d14	8.48E-38	0.352	0.5	0.137	2.11E-33	11
8-Mar	9.84E-38	0.306	0.395	0.093	2.44E-33	11
Sypl	1.00E-37	0.694	0.831	0.348	2.49E-33	11
Gm21188	1.40E-37	0.398	0.483	0.129	3.48E-33	11
H2-D1	1.75E-37	0.748	0.994	0.966	4.36E-33	11
Prkar2b	1.82E-37	0.301	0.302	0.058	4.53E-33	11
Gdf15	2.19E-37	0.965	0.471	0.129	5.45E-33	11
Tfec	3.22E-37	0.338	0.378	0.086	8.00E-33	11
Mtm1	5.74E-37	0.261	0.32	0.064	1.43E-32	11
B2m	8.75E-37	0.679	1	0.977	2.17E-32	11
1-Mar.1	1.09E-36	0.299	0.366	0.081	2.70E-32	11
Ncstn	1.13E-36	0.564	0.814	0.336	2.81E-32	11
Mcf2	1.31E-36	0.534	0.703	0.258	3.26E-32	11
Dmac1	1.34E-36	0.596	0.547	0.17	3.32E-32	11
Trim47	1.58E-36	0.274	0.372	0.083	3.93E-32	11
Phf20	2.54E-36	0.292	0.523	0.147	6.32E-32	11
Stx12	2.55E-36	0.596	0.715	0.265	6.33E-32	11
Sbf2	2.57E-36	0.340	0.395	0.094	6.37E-32	11
Pirb	4.02E-36	0.575	0.756	0.296	9.98E-32	11
Atp8a1	4.70E-36	0.394	0.57	0.175	1.17E-31	11
Mt2	4.73E-36	1.391	0.913	0.515	1.17E-31	11
Mfsd1	4.94E-36	0.710	0.866	0.409	1.23E-31	11
Myliip	6.68E-36	0.582	0.773	0.288	1.66E-31	11
Ctss	7.32E-36	0.875	0.994	0.768	1.82E-31	11
Tspan3	1.05E-35	0.553	0.785	0.324	2.60E-31	11
Tmem9b	1.90E-35	0.498	0.663	0.24	4.71E-31	11
Slc45a4	2.11E-35	0.269	0.395	0.094	5.23E-31	11
Pld3	2.14E-35	0.777	0.878	0.403	5.33E-31	11
Cd81	2.20E-35	0.587	0.68	0.23	5.48E-31	11
Cib1	2.46E-35	0.387	0.564	0.171	6.11E-31	11
Prkacb	3.18E-35	0.599	0.698	0.259	7.90E-31	11
Akr1b3	4.65E-35	0.737	0.791	0.343	1.16E-30	11
Vkorc1	5.24E-35	0.363	0.302	0.062	1.30E-30	11
Secisbp2l	5.53E-35	0.551	0.663	0.236	1.37E-30	11
Lgals9	6.09E-35	0.696	0.826	0.359	1.51E-30	11
St6gal1	9.05E-35	0.335	0.419	0.107	2.25E-30	11
Ghdc	9.45E-35	0.270	0.384	0.092	2.35E-30	11
Crtap	9.60E-35	0.284	0.366	0.086	2.38E-30	11
Ccl24	1.11E-34	1.023	0.256	0.045	2.75E-30	11



Sec14l1	1.18E-34	0.560	0.68	0.261	2.92E-30	11
Cd52	1.23E-34	-1.751	0.703	0.84	3.06E-30	11
Creg1	1.56E-34	0.741	0.837	0.379	3.87E-30	11
Cd151	1.91E-34	0.258	0.453	0.121	4.74E-30	11
Stk39	2.18E-34	0.307	0.372	0.086	5.41E-30	11
Lima1	2.24E-34	0.426	0.581	0.183	5.56E-30	11
Ninj1	2.45E-34	0.617	0.849	0.387	6.09E-30	11
C5ar1	2.48E-34	0.641	0.884	0.386	6.15E-30	11
Prkcb	3.14E-34	0.339	0.477	0.13	7.79E-30	11
Mms19	3.39E-34	0.287	0.471	0.127	8.42E-30	11
Lrrc57	3.58E-34	0.261	0.372	0.088	8.88E-30	11
Fcho2	4.04E-34	0.477	0.75	0.301	1.00E-29	11
Vat1	5.32E-34	0.730	0.86	0.377	1.32E-29	11
Trim30a	7.50E-34	0.644	0.75	0.319	1.86E-29	11
Naxd	9.25E-34	0.264	0.448	0.12	2.30E-29	11
Ddx58	1.06E-33	0.261	0.424	0.108	2.64E-29	11
Dnase2a	1.10E-33	0.462	0.663	0.235	2.73E-29	11
Snx24	1.13E-33	0.282	0.349	0.08	2.80E-29	11
Dusp7	1.13E-33	0.330	0.593	0.189	2.80E-29	11
Klf9	1.33E-33	0.393	0.5	0.147	3.29E-29	11
Renbp	1.39E-33	0.438	0.669	0.233	3.45E-29	11
B4galt6	1.90E-33	0.315	0.471	0.134	4.71E-29	11
Aplp2	1.97E-33	0.810	0.866	0.475	4.89E-29	11
Cndp2	2.29E-33	0.825	0.907	0.467	5.69E-29	11
Phyh	2.38E-33	0.429	0.599	0.203	5.92E-29	11
Clta	2.68E-33	0.825	0.948	0.673	6.66E-29	11
Dusp23	4.67E-33	0.258	0.326	0.073	1.16E-28	11
Scarb2	5.21E-33	0.653	0.773	0.343	1.29E-28	11
Fcgr4	6.34E-33	0.747	0.703	0.264	1.57E-28	11
Lair1	6.47E-33	0.449	0.494	0.147	1.61E-28	11
Lamp2	1.23E-32	0.830	0.913	0.585	3.04E-28	11
Sft2d1	1.42E-32	0.606	0.68	0.273	3.54E-28	11
Lamtor1	1.82E-32	0.591	0.744	0.307	4.53E-28	11
Pea15a	1.83E-32	0.588	0.738	0.296	4.54E-28	11
Ly96	2.99E-32	0.278	0.523	0.16	7.43E-28	11
Tmem59	3.21E-32	0.747	0.837	0.446	7.98E-28	11
Emp1	3.37E-32	0.969	0.884	0.468	8.37E-28	11
Sgk3	3.68E-32	0.294	0.494	0.147	9.15E-28	11
Hist3h2a	4.10E-32	0.318	0.331	0.074	1.02E-27	11
Irf7	6.17E-32	0.456	0.599	0.199	1.53E-27	11
Tnfrsf21	6.65E-32	0.321	0.506	0.154	1.65E-27	11
Mcoln1	6.67E-32	0.324	0.436	0.119	1.66E-27	11
Leprot	1.01E-31	0.589	0.779	0.34	2.51E-27	11
Mgat1	1.22E-31	0.543	0.721	0.287	3.04E-27	11
Tmem173	1.43E-31	0.457	0.645	0.231	3.54E-27	11
Gstp1	1.72E-31	0.447	0.448	0.132	4.27E-27	11

Btg1	1.91E-31	-1.347	0.907	0.925	4.74E-27	11
Stom	2.28E-31	0.521	0.733	0.295	5.65E-27	11
Srd5a3	3.36E-31	0.332	0.535	0.171	8.35E-27	11
Arsk	3.56E-31	0.282	0.355	0.087	8.83E-27	11
Rcan1	3.68E-31	0.476	0.378	0.1	9.15E-27	11
Iigp1	3.91E-31	0.671	0.378	0.094	9.72E-27	11
Ppm1h	4.53E-31	0.368	0.523	0.159	1.13E-26	11
0610009B22Rik	4.65E-31	0.280	0.331	0.078	1.15E-26	11
Fosl1	4.67E-31	0.255	0.535	0.16	1.16E-26	11
Dhrs7	4.75E-31	0.274	0.477	0.14	1.18E-26	11
Selenof	4.94E-31	0.797	0.884	0.542	1.23E-26	11
Snx27	6.93E-31	0.416	0.523	0.17	1.72E-26	11
Pon2	8.40E-31	0.551	0.68	0.27	2.09E-26	11
Cmtm3	9.05E-31	0.660	0.82	0.381	2.25E-26	11
Pdlim1	9.35E-31	0.269	0.413	0.11	2.32E-26	11
Dhdh	1.22E-30	0.303	0.279	0.059	3.04E-26	11
Atraid	1.27E-30	0.292	0.477	0.143	3.15E-26	11
Aif1	1.31E-30	0.607	0.89	0.395	3.25E-26	11
Ctsa	1.52E-30	0.808	0.913	0.553	3.78E-26	11
Mgl2	1.53E-30	0.493	0.541	0.178	3.80E-26	11
Dpp7	1.54E-30	0.414	0.628	0.227	3.83E-26	11
Sqor	1.64E-30	0.262	0.372	0.096	4.07E-26	11
Osbp11	1.93E-30	0.385	0.593	0.207	4.80E-26	11
Slfn5	3.31E-30	0.540	0.727	0.303	8.22E-26	11
Triap1	3.41E-30	0.262	0.453	0.13	8.46E-26	11
Scpep1	3.61E-30	0.777	0.942	0.545	8.97E-26	11
H2-M3	3.69E-30	0.365	0.599	0.209	9.16E-26	11
Ifi2712a	8.82E-30	1.247	0.884	0.52	2.19E-25	11
Lbh	1.22E-29	0.300	0.651	0.234	3.04E-25	11
Sdc4	1.61E-29	0.941	0.942	0.507	3.99E-25	11
Abhd4	2.08E-29	0.328	0.448	0.133	5.16E-25	11
Cytip	2.18E-29	-2.153	0.366	0.667	5.42E-25	11
Rp2	2.53E-29	0.304	0.506	0.16	6.27E-25	11
Nipsnap2	3.68E-29	0.258	0.39	0.105	9.14E-25	11
Coro1a	4.09E-29	-1.603	0.64	0.769	1.02E-24	11
Adrb2	4.35E-29	0.258	0.535	0.175	1.08E-24	11
Mfsd11	4.61E-29	0.445	0.599	0.22	1.15E-24	11
Anxa3	4.99E-29	0.361	0.622	0.219	1.24E-24	11
Fam174a	6.10E-29	0.376	0.663	0.253	1.52E-24	11
Gba	6.12E-29	0.442	0.651	0.25	1.52E-24	11
Tpra1	6.41E-29	0.261	0.529	0.171	1.59E-24	11
Krcc1	6.56E-29	0.472	0.68	0.27	1.63E-24	11
Atp6ap1	7.19E-29	0.635	0.901	0.53	1.79E-24	11
Cd37	8.67E-29	0.467	0.721	0.305	2.15E-24	11
Gaa	8.69E-29	0.302	0.378	0.104	2.16E-24	11
Wls	1.02E-28	0.493	0.581	0.207	2.53E-24	11

Mt1	1.32E-28	0.935	0.983	0.765	3.27E-24	11
Cd84	1.57E-28	0.360	0.791	0.323	3.90E-24	11
S100a11	2.05E-28	-1.693	0.791	0.807	5.10E-24	11
Fcer1g	2.25E-28	0.732	0.988	0.742	5.59E-24	11
Iqsec2	2.42E-28	0.307	0.331	0.082	6.01E-24	11
Ifi207	2.56E-28	0.770	0.884	0.494	6.35E-24	11
Slc43a2	2.62E-28	0.437	0.634	0.238	6.51E-24	11
Anxa6	2.67E-28	0.404	0.826	0.37	6.64E-24	11
Gna12	2.82E-28	0.353	0.535	0.179	7.00E-24	11
Rab5c	3.42E-28	0.696	0.942	0.596	8.49E-24	11
Tmem106b	4.18E-28	0.346	0.442	0.137	1.04E-23	11
Slc16a6	4.96E-28	0.433	0.593	0.217	1.23E-23	11
Rsad2	5.36E-28	0.792	0.535	0.177	1.33E-23	11
Eif2ak2	5.91E-28	0.273	0.506	0.163	1.47E-23	11
Ly9	6.03E-28	0.348	0.593	0.21	1.50E-23	11
Sumf1	7.22E-28	0.297	0.465	0.146	1.79E-23	11
Man2b1	8.07E-28	0.609	0.82	0.391	2.00E-23	11
Tppp3	9.09E-28	0.559	0.366	0.101	2.26E-23	11
Sdhc	9.77E-28	0.482	0.709	0.295	2.43E-23	11
Osbpl9	1.08E-27	0.644	0.785	0.411	2.69E-23	11
Dstn	1.22E-27	0.595	0.831	0.428	3.04E-23	11
Agpat3	1.25E-27	0.387	0.512	0.171	3.10E-23	11
Ptprj	1.31E-27	0.536	0.849	0.417	3.25E-23	11
Aagab	1.40E-27	0.262	0.465	0.146	3.49E-23	11
Mafb	1.41E-27	0.558	0.89	0.425	3.49E-23	11
Fcgr1	1.56E-27	0.428	0.785	0.325	3.88E-23	11
Erlin2	1.97E-27	0.277	0.395	0.113	4.89E-23	11
Ube2q2	2.35E-27	0.304	0.552	0.19	5.83E-23	11
0610012G03Rik	2.57E-27	0.492	0.721	0.304	6.37E-23	11
Mtmr10	2.73E-27	0.422	0.448	0.136	6.77E-23	11
Galk2	2.96E-27	0.299	0.366	0.103	7.35E-23	11
Otulinl	3.31E-27	0.379	0.564	0.197	8.23E-23	11
Klhl5	3.35E-27	0.267	0.448	0.139	8.32E-23	11
Pdia4	4.45E-27	0.576	0.692	0.29	1.10E-22	11
Dlgap4	5.67E-27	0.305	0.529	0.184	1.41E-22	11
Gatm	5.88E-27	0.433	0.576	0.208	1.46E-22	11
Pld4	6.75E-27	0.684	0.762	0.375	1.68E-22	11
Fosb	7.87E-27	0.746	0.971	0.703	1.95E-22	11
Trafd1	9.95E-27	0.426	0.75	0.328	2.47E-22	11
Rab5b	1.02E-26	0.273	0.576	0.207	2.53E-22	11
Mospd2	1.04E-26	0.312	0.547	0.194	2.58E-22	11
Atf3	1.12E-26	0.606	0.884	0.468	2.79E-22	11
Tnfaip8l2	1.17E-26	0.289	0.407	0.121	2.91E-22	11
Dbnl	1.29E-26	0.548	0.733	0.33	3.20E-22	11
Vsir	1.30E-26	0.515	0.785	0.356	3.24E-22	11
Scoc	1.34E-26	0.353	0.471	0.153	3.34E-22	11

Epsti1	1.37E-26	0.361	0.709	0.293	3.41E-22	11
Cd2ap	1.44E-26	0.406	0.605	0.23	3.58E-22	11
Tbc1d22a	1.76E-26	0.339	0.593	0.22	4.37E-22	11
Adi1	1.79E-26	0.254	0.378	0.109	4.45E-22	11
Mid1ip1	2.28E-26	0.263	0.424	0.13	5.66E-22	11
Hsd17b4	2.53E-26	0.309	0.547	0.19	6.29E-22	11
Mospd3	2.84E-26	0.387	0.738	0.308	7.06E-22	11
Tmem256	2.98E-26	0.435	0.698	0.293	7.39E-22	11
Sptssa	3.62E-26	0.503	0.709	0.292	8.98E-22	11
Cd9	5.33E-26	-2.136	0.07	0.475	1.32E-21	11
Tfrc	5.89E-26	0.481	0.64	0.256	1.46E-21	11
Tbc1d13	7.84E-26	0.254	0.384	0.112	1.95E-21	11
9530068E07Rik	9.92E-26	0.481	0.709	0.317	2.46E-21	11
Cln8	1.22E-25	0.474	0.762	0.326	3.02E-21	11
Arhgef12	1.25E-25	0.254	0.297	0.073	3.12E-21	11
Sft2d2	1.78E-25	0.317	0.5	0.167	4.43E-21	11
Ltbr	2.80E-25	0.326	0.552	0.2	6.96E-21	11
Atp6v1a	2.84E-25	0.577	0.919	0.569	7.05E-21	11
Ptov1	2.91E-25	0.259	0.43	0.134	7.23E-21	11
Nadk	3.09E-25	0.375	0.692	0.294	7.68E-21	11
Epn1	3.30E-25	0.414	0.738	0.329	8.19E-21	11
Smim15	3.54E-25	0.364	0.512	0.184	8.79E-21	11
Rhoq	3.54E-25	0.374	0.698	0.285	8.79E-21	11
2610001J05Rik	4.00E-25	0.386	0.686	0.285	9.93E-21	11
Snx16	4.40E-25	0.271	0.407	0.123	1.09E-20	11
Cebpa	4.48E-25	0.415	0.797	0.343	1.11E-20	11
Plin3	4.52E-25	0.288	0.529	0.185	1.12E-20	11
Tmem50a	6.67E-25	0.595	0.901	0.546	1.66E-20	11
Hibadh	7.05E-25	0.352	0.483	0.17	1.75E-20	11
Washc2	7.17E-25	0.326	0.785	0.345	1.78E-20	11
Pcmt1	7.63E-25	0.405	0.488	0.174	1.90E-20	11
Psap	9.39E-25	0.642	0.994	0.846	2.33E-20	11
Hsd17b11	1.26E-24	0.313	0.797	0.355	3.14E-20	11
Casp1	1.43E-24	0.360	0.541	0.201	3.55E-20	11
Hip1	1.51E-24	0.254	0.517	0.182	3.76E-20	11
Qk	1.73E-24	0.591	0.913	0.548	4.30E-20	11
Fam173a	2.23E-24	0.299	0.448	0.148	5.55E-20	11
Cmtm6	2.82E-24	0.301	0.744	0.318	7.00E-20	11
Slc48a1	3.20E-24	0.557	0.523	0.2	7.94E-20	11
Rnf5	3.66E-24	0.322	0.552	0.203	9.08E-20	11
Atp6ap2	3.75E-24	0.684	0.924	0.637	9.32E-20	11
Rtp4	4.45E-24	0.259	0.576	0.207	1.10E-19	11
Chmp3	5.14E-24	0.368	0.692	0.292	1.28E-19	11
Serp1	7.56E-24	0.674	0.959	0.635	1.88E-19	11
Nfic	7.77E-24	0.407	0.703	0.305	1.93E-19	11
Plau	8.05E-24	0.262	0.703	0.289	2.00E-19	11

Ddrk1	8.13E-24	0.271	0.593	0.229	2.02E-19	11
Blvra	8.99E-24	0.345	0.5	0.18	2.23E-19	11
Trappc3	1.07E-23	0.310	0.512	0.187	2.66E-19	11
Farsb	1.11E-23	0.277	0.448	0.15	2.75E-19	11
Ptpn18	1.28E-23	0.509	0.738	0.364	3.18E-19	11
Evi2a	1.29E-23	0.301	0.576	0.217	3.21E-19	11
Klf2	1.30E-23	0.477	0.669	0.289	3.22E-19	11
Nipa2	1.32E-23	0.391	0.628	0.267	3.27E-19	11
Hspa1a	1.81E-23	0.365	0.93	0.582	4.50E-19	11
Pycard	2.40E-23	0.382	0.64	0.265	5.96E-19	11
Snap29	2.62E-23	0.411	0.645	0.28	6.51E-19	11
Slirp	2.84E-23	0.372	0.657	0.274	7.07E-19	11
Stx7	2.90E-23	0.499	0.843	0.435	7.21E-19	11
Dbi	3.42E-23	0.616	0.901	0.555	8.50E-19	11
Cpne3	3.55E-23	0.359	0.628	0.256	8.82E-19	11
Sema4a	3.81E-23	0.276	0.523	0.191	9.47E-19	11
Lamtor3	3.95E-23	0.334	0.715	0.314	9.81E-19	11
Bmp2k	4.67E-23	0.457	0.744	0.361	1.16E-18	11
Camkk2	4.72E-23	0.275	0.448	0.152	1.17E-18	11
Cyb5a	6.67E-23	0.551	0.785	0.387	1.66E-18	11
Nfam1	7.26E-23	0.297	0.593	0.237	1.80E-18	11
Mapk14	7.29E-23	0.288	0.581	0.231	1.81E-18	11
Ifih1	7.51E-23	0.365	0.448	0.149	1.87E-18	11
Odr4	7.58E-23	0.281	0.465	0.162	1.88E-18	11
Hint1	7.82E-23	0.626	0.855	0.472	1.94E-18	11
Glmp	8.61E-23	0.487	0.75	0.371	2.14E-18	11
Dnase1l1	8.85E-23	0.256	0.517	0.188	2.20E-18	11
Rab18	1.01E-22	0.300	0.715	0.303	2.50E-18	11
Kdelr1	1.01E-22	0.476	0.727	0.342	2.52E-18	11
Npc2	1.05E-22	0.552	0.977	0.752	2.60E-18	11
Ndufc2	1.21E-22	0.541	0.785	0.389	3.00E-18	11
Atp6v1g1	1.39E-22	0.607	0.86	0.502	3.46E-18	11
Apobec3	1.49E-22	0.351	0.605	0.248	3.70E-18	11
Itm2c	1.63E-22	0.535	0.901	0.555	4.05E-18	11
Zfp706	1.65E-22	0.370	0.692	0.31	4.11E-18	11
Cnp	1.69E-22	0.266	0.401	0.13	4.19E-18	11
Bet1	2.05E-22	0.262	0.419	0.141	5.10E-18	11
Lman1	2.07E-22	0.360	0.541	0.209	5.15E-18	11
Rgs10	2.22E-22	0.499	0.802	0.408	5.51E-18	11
Tbc1d4	2.50E-22	-0.883	0.424	0.13	6.20E-18	11
Dnajc13	2.54E-22	0.365	0.616	0.258	6.30E-18	11
Il4ra	3.20E-22	0.542	0.773	0.386	7.95E-18	11
Blnk	3.20E-22	0.264	0.523	0.191	7.96E-18	11
Acat1	3.77E-22	0.298	0.512	0.19	9.37E-18	11
Hexb	4.21E-22	0.767	0.657	0.299	1.05E-17	11
Dusp5	4.35E-22	-1.522	0.686	0.768	1.08E-17	11

Slc11a2	4.56E-22	0.354	0.616	0.255	1.13E-17	11
Ifit1	4.57E-22	0.570	0.267	0.067	1.14E-17	11
Oxct1	4.78E-22	0.573	0.721	0.342	1.19E-17	11
Lmbrd1	6.95E-22	0.382	0.785	0.381	1.73E-17	11
Xaf1	7.60E-22	0.252	0.477	0.168	1.89E-17	11
Kcnab2	8.01E-22	0.431	0.529	0.214	1.99E-17	11
Mesd	8.64E-22	0.262	0.436	0.15	2.15E-17	11
Galnt1	1.25E-21	0.476	0.75	0.36	3.11E-17	11
Naa38	1.45E-21	0.323	0.529	0.204	3.61E-17	11
Tuba1b	1.55E-21	0.576	0.936	0.593	3.84E-17	11
Nat6	1.81E-21	0.286	0.459	0.164	4.49E-17	11
Zfand2a	2.24E-21	0.290	0.797	0.365	5.56E-17	11
Atg5	2.94E-21	0.265	0.5	0.187	7.31E-17	11
Romo1	3.62E-21	0.279	0.506	0.189	8.98E-17	11
Cuedc2	4.68E-21	0.336	0.488	0.185	1.16E-16	11
Rab12	4.78E-21	0.291	0.599	0.24	1.19E-16	11
Dhrs1	5.33E-21	0.269	0.424	0.147	1.32E-16	11
Usp8	6.13E-21	0.320	0.634	0.274	1.52E-16	11
Os9	7.38E-21	0.404	0.849	0.438	1.83E-16	11
Taf6l	8.20E-21	0.273	0.61	0.254	2.04E-16	11
Lmnbl	8.23E-21	-1.783	0.453	0.661	2.04E-16	11
Rab11a	1.44E-20	0.440	0.843	0.486	3.57E-16	11
Ctsz	1.47E-20	0.636	0.936	0.63	3.66E-16	11
Pitpna	1.55E-20	0.623	0.919	0.628	3.85E-16	11
Rhob	1.74E-20	0.519	0.907	0.531	4.33E-16	11
Txndc15	1.92E-20	0.301	0.453	0.168	4.77E-16	11
Ano6	2.33E-20	0.263	0.616	0.255	5.79E-16	11
Actg1	2.65E-20	-0.921	0.988	0.968	6.58E-16	11
Cpt1a	3.23E-20	0.356	0.709	0.333	8.03E-16	11
Nucb1	3.31E-20	0.453	0.872	0.478	8.23E-16	11
Pnp	3.46E-20	0.535	0.872	0.536	8.60E-16	11
Kifap3	3.71E-20	0.267	0.25	0.067	9.22E-16	11
Ndufc1	3.77E-20	0.456	0.703	0.335	9.36E-16	11
Arrb2	3.78E-20	0.344	0.773	0.376	9.39E-16	11
Cltb	3.79E-20	0.270	0.558	0.225	9.42E-16	11
Cyfip1	3.87E-20	0.411	0.738	0.352	9.62E-16	11
Fh1	4.32E-20	0.309	0.395	0.14	1.07E-15	11
Rnf181	4.54E-20	0.284	0.512	0.201	1.13E-15	11
Washc4	4.98E-20	0.277	0.453	0.17	1.24E-15	11
Cybb	5.27E-20	0.354	0.826	0.401	1.31E-15	11
Pdrg1	5.34E-20	0.253	0.465	0.172	1.33E-15	11
Nav1	5.48E-20	0.304	0.442	0.162	1.36E-15	11
Qdpr	5.77E-20	0.258	0.494	0.189	1.43E-15	11
Dynlt3	6.15E-20	0.395	0.674	0.304	1.53E-15	11
Zbp1	7.48E-20	0.307	0.547	0.217	1.86E-15	11
Ssu72	8.31E-20	0.313	0.628	0.272	2.06E-15	11

Dnajb4	9.18E-20	0.312	0.523	0.203	2.28E-15	11
Psmc1	9.59E-20	0.342	0.721	0.34	2.38E-15	11
Casp4	9.99E-20	0.353	0.727	0.354	2.48E-15	11
Coa5	1.02E-19	0.361	0.686	0.316	2.53E-15	11
2610507B11Rik	1.11E-19	0.365	0.669	0.304	2.75E-15	11
Rasgef1b	1.37E-19	0.264	0.547	0.222	3.40E-15	11
Tceal8	1.58E-19	0.277	0.413	0.147	3.91E-15	11
Atp6v1h	1.64E-19	0.403	0.837	0.461	4.08E-15	11
Ids	1.81E-19	0.282	0.442	0.165	4.50E-15	11
Sirt2	2.02E-19	0.377	0.75	0.394	5.01E-15	11
Fuca1	2.04E-19	0.312	0.674	0.306	5.07E-15	11
Psmb10	2.07E-19	0.321	0.692	0.318	5.13E-15	11
Sumo3	2.07E-19	0.381	0.721	0.345	5.15E-15	11
Ndufa5	2.12E-19	0.308	0.535	0.213	5.26E-15	11
Snx1	2.32E-19	0.445	0.785	0.416	5.75E-15	11
Ap3d1	2.59E-19	0.338	0.773	0.378	6.44E-15	11
Srgn	2.70E-19	-1.312	0.965	0.962	6.71E-15	11
Rab32	3.00E-19	0.300	0.616	0.269	7.44E-15	11
Baspl	3.01E-19	-1.934	0.686	0.729	7.48E-15	11
Hgsnat	3.38E-19	0.287	0.5	0.196	8.40E-15	11
Gmfg	3.49E-19	0.278	0.785	0.389	8.67E-15	11
Paics	4.34E-19	0.303	0.715	0.317	1.08E-14	11
Anxa4	4.86E-19	0.405	0.82	0.407	1.21E-14	11
Mafk	5.16E-19	0.288	0.837	0.434	1.28E-14	11
Commd10	5.69E-19	0.283	0.424	0.159	1.41E-14	11
Ergic3	6.13E-19	0.343	0.581	0.255	1.52E-14	11
Dnajc3	6.19E-19	0.487	0.831	0.458	1.54E-14	11
Ddhd1	6.88E-19	0.291	0.453	0.171	1.71E-14	11
Sirpa	7.30E-19	0.324	0.808	0.382	1.81E-14	11
Arl4d	8.08E-19	0.266	0.32	0.101	2.01E-14	11
Prcp	8.45E-19	0.375	0.715	0.348	2.10E-14	11
Etv5	8.81E-19	0.250	0.331	0.107	2.19E-14	11
Ppp3ca	1.08E-18	0.324	0.802	0.416	2.68E-14	11
Mtch1	1.12E-18	0.351	0.698	0.312	2.78E-14	11
Rsu1	1.13E-18	0.410	0.762	0.378	2.80E-14	11
Arl8a	1.13E-18	0.256	0.808	0.396	2.80E-14	11
Sh3bgrl	1.15E-18	0.515	0.872	0.51	2.85E-14	11
Chmp5	1.21E-18	0.329	0.715	0.345	3.01E-14	11
Fermt3	1.57E-18	0.271	0.657	0.304	3.91E-14	11
Alox5ap	1.74E-18	0.478	0.953	0.594	4.33E-14	11
Hspa1b	1.87E-18	0.325	0.907	0.583	4.65E-14	11
Rab11fip1	2.02E-18	-1.381	0.192	0.493	5.02E-14	11
Tex261	2.34E-18	0.328	0.605	0.272	5.81E-14	11
Hprt	2.96E-18	0.377	0.785	0.402	7.35E-14	11
Lsp1	2.98E-18	-1.833	0.279	0.534	7.41E-14	11
Ak3	3.03E-18	0.264	0.413	0.155	7.53E-14	11

Ndufs5	3.12E-18	0.411	0.703	0.345	7.76E-14	11
Hsd17b12	3.21E-18	0.432	0.767	0.41	7.98E-14	11
Dnajb9	3.47E-18	0.415	0.901	0.607	8.61E-14	11
Vcam1	3.51E-18	0.851	0.297	0.095	8.71E-14	11
Sema4d	3.98E-18	-1.513	0.128	0.441	9.89E-14	11
Fxyd5	4.17E-18	-1.135	0.814	0.761	1.04E-13	11
Nek7	4.43E-18	0.296	0.645	0.297	1.10E-13	11
Mlf2	5.08E-18	0.438	0.89	0.479	1.26E-13	11
H2-T23	6.86E-18	0.544	0.831	0.5	1.70E-13	11
Dusp6	7.74E-18	0.253	0.459	0.176	1.92E-13	11
Erp29	8.41E-18	0.461	0.82	0.449	2.09E-13	11
Actb	9.27E-18	-0.719	0.994	0.99	2.30E-13	11
Clec4a2	9.39E-18	0.446	0.715	0.345	2.33E-13	11
Uap111	9.56E-18	0.256	0.459	0.18	2.37E-13	11
Eps8	1.10E-17	0.275	0.767	0.381	2.74E-13	11
Trappc21	1.22E-17	0.264	0.64	0.283	3.02E-13	11
Bag3	1.30E-17	0.338	0.814	0.42	3.23E-13	11
Pfdn1	1.39E-17	0.284	0.576	0.252	3.46E-13	11
Vamp8	1.68E-17	0.420	0.843	0.483	4.17E-13	11
Chchd10	1.83E-17	0.443	0.308	0.101	4.55E-13	11
Ezr	1.93E-17	-1.357	0.663	0.713	4.81E-13	11
Rpn2	3.64E-17	0.389	0.709	0.352	9.03E-13	11
Tmco1	5.43E-17	0.263	0.599	0.272	1.35E-12	11
Tm9sf2	5.70E-17	0.253	0.756	0.377	1.42E-12	11
Prdx1	6.01E-17	0.408	0.936	0.666	1.49E-12	11
Gltf	7.76E-17	0.511	0.872	0.53	1.93E-12	11
Runx3	8.89E-17	-1.287	0.221	0.506	2.21E-12	11
Atp6v0b	1.08E-16	0.394	0.913	0.571	2.69E-12	11
Eid1	1.20E-16	0.340	0.82	0.439	2.97E-12	11
Gusb	1.90E-16	0.305	0.756	0.378	4.71E-12	11
Tspo	2.19E-16	0.438	0.89	0.561	5.44E-12	11
Copz1	2.58E-16	0.366	0.767	0.401	6.40E-12	11
Tsc22d3	2.66E-16	0.331	0.767	0.411	6.60E-12	11
Ccdc93	3.35E-16	0.269	0.285	0.094	8.32E-12	11
Ndufab1	3.42E-16	0.440	0.744	0.383	8.49E-12	11
Cuta	3.42E-16	0.260	0.57	0.256	8.50E-12	11
Fkbp2	3.47E-16	0.309	0.692	0.322	8.62E-12	11
Ucp2	3.88E-16	0.475	0.977	0.787	9.64E-12	11
Cox5a	3.98E-16	0.517	0.797	0.495	9.88E-12	11
Derl2	4.05E-16	0.323	0.512	0.226	1.01E-11	11
Itgam	4.10E-16	0.402	0.866	0.477	1.02E-11	11
Arf3	4.38E-16	0.338	0.797	0.431	1.09E-11	11
Ly6a	4.55E-16	1.400	0.581	0.329	1.13E-11	11
Dnajc15	5.54E-16	0.331	0.622	0.287	1.38E-11	11
Pim1	5.89E-16	-1.032	0.93	0.936	1.46E-11	11
Tceal9	5.96E-16	0.343	0.785	0.404	1.48E-11	11



Man2a1	6.07E-16	0.302	0.727	0.37	1.51E-11	11
Rad23a	6.25E-16	0.341	0.587	0.28	1.55E-11	11
Mindy2	7.87E-16	0.275	0.523	0.225	1.95E-11	11
Fmn1l	9.47E-16	-1.350	0.32	0.525	2.35E-11	11
P4ha1	9.98E-16	0.306	0.692	0.344	2.48E-11	11
Lgals1	1.09E-15	0.546	0.971	0.697	2.71E-11	11
Arpc3	1.20E-15	0.398	0.953	0.76	2.99E-11	11
Gpx1	1.31E-15	0.514	0.948	0.684	3.25E-11	11
Il7r	1.81E-15	-1.579	0.081	0.366	4.49E-11	11
Cst3	2.13E-15	-0.251	0.977	0.788	5.28E-11	11
Ppp1r14b	2.25E-15	0.286	0.698	0.331	5.58E-11	11
Utp11	2.26E-15	0.316	0.471	0.201	5.61E-11	11
Arg1	2.32E-15	0.707	0.453	0.198	5.76E-11	11
Tes	2.69E-15	-1.306	0.349	0.539	6.69E-11	11
Rcc2	3.02E-15	0.263	0.535	0.235	7.51E-11	11
Tspan13	3.11E-15	-1.263	0.134	0.41	7.72E-11	11
Sgpl1	3.35E-15	0.407	0.901	0.593	8.33E-11	11
Bcl2a1d	3.64E-15	-1.104	0.122	0.399	9.04E-11	11
Bnip2	3.70E-15	0.317	0.797	0.428	9.18E-11	11
Pebp1	4.32E-15	0.356	0.709	0.366	1.07E-10	11
2900097C17Rik	4.81E-15	0.274	0.767	0.397	1.19E-10	11
BC031181	6.68E-15	0.311	0.738	0.382	1.66E-10	11
Smim3	6.75E-15	-1.297	0.25	0.507	1.68E-10	11
Sppl2a	7.06E-15	0.438	0.802	0.47	1.75E-10	11
Rbm39	7.34E-15	-0.822	0.895	0.885	1.82E-10	11
Rps27	7.99E-15	-0.812	0.983	0.901	1.99E-10	11
Slc39a1	9.17E-15	0.345	0.744	0.405	2.28E-10	11
Tmed3	9.49E-15	0.312	0.541	0.256	2.36E-10	11
Rps29	1.05E-14	0.369	1	0.926	2.60E-10	11
Fos	1.14E-14	0.529	0.913	0.61	2.84E-10	11
Sh3glb1	1.15E-14	0.449	0.913	0.656	2.85E-10	11
Cd48	1.23E-14	0.269	0.738	0.366	3.06E-10	11
Uqrb	1.30E-14	0.480	0.895	0.572	3.23E-10	11
S100a6	1.34E-14	-1.255	0.75	0.776	3.32E-10	11
Slc37a2	1.34E-14	0.257	0.407	0.165	3.33E-10	11
Uqcr11	1.35E-14	0.343	0.715	0.377	3.36E-10	11
H2afz	1.60E-14	-1.079	0.913	0.831	3.99E-10	11
Bri3	1.99E-14	0.255	0.808	0.433	4.95E-10	11
Tmsb10	2.08E-14	-1.043	0.93	0.823	5.18E-10	11
Ndufb3	2.21E-14	0.432	0.762	0.402	5.50E-10	11
Ccdc50	2.66E-14	0.292	0.669	0.324	6.61E-10	11
St13	2.68E-14	0.373	0.901	0.558	6.65E-10	11
Lamtor4	2.71E-14	0.300	0.593	0.278	6.72E-10	11
Jun	3.46E-14	0.298	0.907	0.614	8.59E-10	11
Capns1	3.63E-14	0.399	0.843	0.501	9.01E-10	11
Max	3.73E-14	0.254	0.843	0.489	9.27E-10	11

Mrps33	4.09E-14	0.274	0.599	0.29	1.02E-09	11
Rragc	6.78E-14	0.354	0.814	0.487	1.68E-09	11
H2-K1	7.37E-14	0.336	0.994	0.947	1.83E-09	11
Atp2a2	8.42E-14	0.385	0.884	0.575	2.09E-09	11
Emc2	8.46E-14	0.266	0.442	0.196	2.10E-09	11
Zfp361l1	1.10E-13	0.448	0.86	0.56	2.73E-09	11
Nus1	1.18E-13	0.297	0.773	0.422	2.94E-09	11
Malt1	1.25E-13	-1.323	0.238	0.468	3.11E-09	11
Ndufa12	1.46E-13	0.328	0.715	0.363	3.63E-09	11
Scp2	1.69E-13	0.319	0.744	0.413	4.19E-09	11
Ech1	1.69E-13	0.304	0.436	0.189	4.20E-09	11
P2ry10	2.10E-13	-1.389	0.035	0.285	5.21E-09	11
Rab1b	2.24E-13	0.389	0.738	0.4	5.56E-09	11
Sdf2l1	2.41E-13	0.257	0.663	0.329	5.99E-09	11
Cd24a	2.49E-13	-2.423	0.07	0.323	6.18E-09	11
Nars	3.12E-13	0.293	0.866	0.49	7.76E-09	11
Bhlhe40	4.42E-13	-1.268	0.622	0.704	1.10E-08	11
Adam8	4.86E-13	-1.511	0.599	0.672	1.21E-08	11
Cd300lf	5.35E-13	-1.782	0.169	0.407	1.33E-08	11
Atp6v1d	5.39E-13	0.274	0.837	0.489	1.34E-08	11
Ftl1	6.69E-13	0.258	1	0.962	1.66E-08	11
Rpl13	6.76E-13	-0.620	0.983	0.839	1.68E-08	11
Hmgn1	8.62E-13	0.276	0.645	0.317	2.14E-08	11
Baiap2	1.00E-12	0.296	0.547	0.267	2.49E-08	11
Rgs1	1.36E-12	-1.991	0.453	0.595	3.37E-08	11
Mcl1	1.41E-12	0.334	0.965	0.893	3.49E-08	11
Tmbim6	1.49E-12	0.369	0.959	0.779	3.69E-08	11
Rab14	1.56E-12	0.300	0.855	0.543	3.86E-08	11
Ftl1-ps1	1.62E-12	0.260	0.988	0.823	4.03E-08	11
2-Sep	2.35E-12	0.273	0.826	0.448	5.84E-08	11
Il1b	2.56E-12	-2.680	0.081	0.32	6.36E-08	11
Traf1	2.68E-12	-1.278	0.157	0.387	6.66E-08	11
Mndal	2.83E-12	0.281	0.744	0.434	7.02E-08	11
Mat2a	3.79E-12	0.296	0.872	0.572	9.42E-08	11
Cd164	3.84E-12	0.334	0.86	0.624	9.53E-08	11
Rnf19b	4.67E-12	0.344	0.849	0.516	1.16E-07	11
Gpr132	4.81E-12	-1.353	0.436	0.578	1.20E-07	11
Ptptra	5.67E-12	0.257	0.506	0.246	1.41E-07	11
Mrps14	6.73E-12	0.267	0.535	0.257	1.67E-07	11
Ube2r2	7.45E-12	0.257	0.75	0.428	1.85E-07	11
Itgb1	7.57E-12	0.343	0.855	0.566	1.88E-07	11
Emc7	7.67E-12	0.273	0.715	0.387	1.91E-07	11
Stx11	8.87E-12	-1.373	0.174	0.387	2.20E-07	11
Tgm2	9.62E-12	-1.623	0.262	0.466	2.39E-07	11
H2-Q6	1.01E-11	-1.762	0.227	0.429	2.51E-07	11
Spes1	1.14E-11	0.278	0.744	0.425	2.83E-07	11

Atp6v1b2	1.59E-11	0.338	0.901	0.618	3.95E-07	11
Fus	1.63E-11	-0.775	0.895	0.841	4.05E-07	11
Cxcr4	1.92E-11	-1.333	0.744	0.738	4.76E-07	11
Grina	2.06E-11	-0.273	0.826	0.481	5.12E-07	11
Serinc1	2.34E-11	0.251	0.791	0.451	5.81E-07	11
Fau	2.79E-11	-0.468	0.959	0.906	6.93E-07	11
Marcks11	3.10E-11	-0.266	0.86	0.549	7.70E-07	11
Cd44	3.59E-11	-1.053	0.849	0.807	8.91E-07	11
Ptma	4.76E-11	-0.635	0.988	0.928	1.18E-06	11
Vps35	4.94E-11	0.269	0.738	0.425	1.23E-06	11
Tubb6	6.20E-11	0.284	0.82	0.493	1.54E-06	11
Nptn	6.53E-11	0.258	0.814	0.497	1.62E-06	11
Spcs2	6.66E-11	0.336	0.773	0.483	1.65E-06	11
Rps16	6.72E-11	-0.584	0.953	0.859	1.67E-06	11
Bach1	1.14E-10	0.259	0.802	0.505	2.82E-06	11
Fam107b	1.25E-10	-1.340	0.372	0.524	3.10E-06	11
Itgb7	1.74E-10	-1.012	0.128	0.331	4.33E-06	11
Iqgap1	1.76E-10	-0.725	0.919	0.839	4.38E-06	11
Ramp3	2.04E-10	-1.247	0.047	0.251	5.07E-06	11
Ass1	2.94E-10	-0.795	0.052	0.257	7.31E-06	11
Tnf	3.25E-10	-0.415	0.616	0.316	8.06E-06	11
Ndufa4	6.13E-10	0.265	0.802	0.502	1.52E-05	11
Uqcrq	8.98E-10	0.293	0.826	0.508	2.23E-05	11
Sf3b1	9.07E-10	-0.778	0.878	0.809	2.25E-05	11
Rpl23a	9.46E-10	-0.575	0.965	0.831	2.35E-05	11
Cltc	9.52E-10	0.354	0.948	0.791	2.36E-05	11
Gng5	9.74E-10	0.272	0.924	0.664	2.42E-05	11
Rps6	9.82E-10	-0.638	0.971	0.829	2.44E-05	11
Atp5g2	1.04E-09	0.357	0.959	0.627	2.57E-05	11
Rps26	1.09E-09	-0.560	0.994	0.881	2.71E-05	11
Rab1a	1.42E-09	0.336	0.924	0.744	3.53E-05	11
Reep5	1.83E-09	0.301	0.901	0.606	4.55E-05	11
Ost4	2.64E-09	0.295	0.884	0.573	6.55E-05	11
Alcam	2.74E-09	-0.789	0.157	0.349	6.81E-05	11
Rplp0	2.75E-09	-0.565	0.965	0.83	6.84E-05	11
Rrbp1	3.01E-09	0.287	0.936	0.688	7.47E-05	11
Vasp	3.46E-09	-1.003	0.674	0.645	8.60E-05	11
Anxa5	6.23E-09	0.281	0.913	0.612	0.000154866	11
Myh9	6.43E-09	-0.895	0.698	0.669	0.00015982	11
Il1r2	7.04E-09	-1.775	0.14	0.318	0.000174958	11
Cd47	7.49E-09	0.298	0.878	0.642	0.000186042	11
Clec4e	1.02E-08	-2.124	0.169	0.345	0.000252642	11
Rplp2	1.20E-08	-0.492	0.983	0.859	0.000297231	11
Jund	1.49E-08	0.326	0.971	0.917	0.000370417	11
Lrrfip1	1.83E-08	-0.888	0.628	0.641	0.000455771	11
Dennd4a	2.16E-08	-1.154	0.448	0.528	0.000537149	11

Rpl17	2.65E-08	-0.528	0.977	0.896	0.000657785	11
Msn	2.66E-08	-0.688	0.826	0.74	0.00066094	11
Hspa8	3.32E-08	0.270	0.983	0.903	0.000823476	11
Ptpn22	3.36E-08	-1.011	0.093	0.266	0.000835109	11
Chd7	3.48E-08	-1.218	0.378	0.478	0.000864413	11
Ywhag	3.48E-08	0.296	0.831	0.537	0.000864579	11
Tmed10	3.93E-08	0.275	0.86	0.582	0.000975373	11
Rab8b	5.85E-08	-0.781	0.855	0.761	0.001452581	11
Rps24	6.07E-08	-0.480	0.977	0.868	0.001508055	11
Kcnn4	6.72E-08	-0.961	0.227	0.382	0.001669567	11
Nfkbiz	6.92E-08	-0.254	0.709	0.435	0.001719743	11
S100a4	7.15E-08	-1.088	0.372	0.489	0.001776841	11
Ptk2b	7.90E-08	-0.794	0.128	0.302	0.001961682	11
Nr4a3	7.94E-08	-1.719	0.413	0.492	0.001971998	11
Rpl39	8.81E-08	-0.532	0.983	0.848	0.002187783	11
Pdia3	8.90E-08	0.306	0.913	0.655	0.002211701	11
Rps3	9.63E-08	-0.548	0.977	0.857	0.002392007	11
Rpl18	1.09E-07	-0.552	0.913	0.773	0.002704146	11
Rpl18a	1.09E-07	-0.487	0.965	0.827	0.002706321	11
Havcr2	1.10E-07	-0.788	0.18	0.337	0.002726756	11
CD8a-pAbO (Ab)	1.11E-07	-0.693	0.919	0.702	0.002747632	11
Ywhaz	1.14E-07	-0.500	0.936	0.868	0.002843842	11
Bcl2l11	1.16E-07	-1.079	0.581	0.618	0.002874248	11
Sh3bgrl3	1.33E-07	-0.522	0.953	0.841	0.003312538	11
Kdm6b	1.44E-07	-1.020	0.89	0.808	0.003579971	11
Gapdh	1.77E-07	-0.615	1	0.93	0.004396881	11
Cox7c	1.88E-07	0.318	0.953	0.731	0.004658888	11
Gm20186	2.01E-07	-0.293	0.326	0.152	0.005002606	11
Pabpc1	2.44E-07	-0.391	0.988	0.931	0.006055737	11
Samsn1	2.55E-07	-1.923	0.459	0.51	0.006329967	11
Rpl6	2.56E-07	-0.414	0.971	0.848	0.006365757	11
Pkm	3.65E-07	-0.629	0.936	0.843	0.009061767	11
Hmgb2	3.70E-07	-1.297	0.75	0.674	0.009194337	11
Got1	3.73E-07	-1.147	0.733	0.646	0.009265787	11
Rpl38	3.76E-07	-0.383	0.988	0.856	0.009342153	11
Gsr	4.60E-07	-1.090	0.128	0.28	0.011427699	11
Dgat1	5.57E-07	-1.468	0.203	0.342	0.013837411	11
Jak2	5.73E-07	-1.019	0.337	0.442	0.014225106	11
Csf2rb	6.45E-07	-1.585	0.703	0.616	0.016019422	11
Cxcl2	6.98E-07	-1.382	0.919	0.651	0.017349907	11
Fabp5	7.77E-07	-0.358	0.849	0.525	0.019306604	11
Cnbp	8.39E-07	-0.726	0.936	0.781	0.020847363	11
Lcp1	1.00E-06	-0.638	0.89	0.789	0.024945489	11
Brd2	1.01E-06	-0.627	0.919	0.849	0.024969314	11
Smad7	1.11E-06	-1.055	0.262	0.392	0.027487116	11
Hnrnp	1.12E-06	-0.506	0.924	0.838	0.027806432	11

Gna13	1.17E-06	-0.627	0.878	0.81	0.029092305	11
Rpl9	1.56E-06	-0.436	0.971	0.846	0.038841352	11
Dusp2	2.41E-06	-1.397	0.337	0.449	0.059798443	11
Cox6b1	2.58E-06	0.258	0.936	0.683	0.064040433	11
Irak2	3.62E-06	-1.014	0.407	0.472	0.08980221	11
Itgal	3.94E-06	-0.908	0.122	0.255	0.097754941	11
Eif1	4.13E-06	-0.401	0.988	0.944	0.102694438	11
H2-Eb1	4.66E-06	-1.578	0.576	0.589	0.115868597	11
Skil	5.14E-06	-0.806	0.634	0.648	0.127593277	11
Lpl	5.25E-06	-0.419	0.36	0.187	0.130315405	11
Prps1	5.45E-06	0.274	0.273	0.141	0.135306829	11
Rpl7a	5.85E-06	-0.381	0.942	0.808	0.145261357	11
Flna	5.85E-06	-0.879	0.61	0.579	0.145365215	11
Lgals3	5.86E-06	-0.965	0.959	0.808	0.145498781	11
Rpl12	6.49E-06	-0.580	0.948	0.758	0.161230625	11
Thbs1	7.04E-06	-1.780	0.483	0.549	0.174965678	11
Rps14	7.94E-06	-0.452	0.988	0.864	0.197291381	11
Cln3	8.00E-06	-0.314	0.628	0.366	0.198714394	11
Rpl11	8.82E-06	-0.414	0.942	0.775	0.218968765	11
Bcl2a1b	1.06E-05	-0.670	0.157	0.281	0.262474374	11
Il1rn	1.14E-05	-2.365	0.488	0.517	0.284154767	11
Stk10	1.17E-05	-0.725	0.128	0.254	0.291118752	11
Arpc2	1.21E-05	-0.345	0.977	0.896	0.300084308	11
Plp2	1.21E-05	-0.682	0.291	0.392	0.301541849	11
Rpl34	1.26E-05	-0.415	0.971	0.858	0.3123593	11
Trib1	1.43E-05	-0.322	0.878	0.597	0.355913414	11
Vps37b	1.67E-05	-1.285	0.669	0.624	0.414724409	11
Crem	1.73E-05	-1.258	0.645	0.621	0.428600718	11
Ndrp1	1.77E-05	-1.159	0.39	0.452	0.440857849	11
Fn1	1.78E-05	0.376	0.337	0.194	0.442613211	11
Uck2	1.81E-05	-0.832	0.326	0.428	0.450495769	11
Slc2a1	1.82E-05	-1.030	0.424	0.481	0.451854218	11
Rpl32	2.01E-05	-0.405	0.965	0.802	0.498952601	11
Eef2	2.11E-05	-0.495	0.919	0.812	0.524709066	11
Sirpb1c	2.36E-05	-0.685	0.145	0.269	0.586222543	11
Brd4	2.53E-05	-0.810	0.698	0.631	0.629287388	11
Rpl31	2.78E-05	-0.311	0.994	0.84	0.691323813	11
Rps7	2.89E-05	-0.550	0.959	0.797	0.717812473	11
Rgs2	3.21E-05	-1.302	0.744	0.716	0.79788707	11
Ptprc	3.22E-05	-0.798	0.855	0.753	0.798673406	11
Mmp19	3.25E-05	-0.279	0.593	0.346	0.807324738	11
Rps19	3.84E-05	-0.449	0.983	0.789	0.952993119	11
D16Ert472e	4.29E-05	-1.169	0.203	0.308	1	11
Slc44a2	4.31E-05	-0.696	0.157	0.274	1	11
Rpl21	4.39E-05	-0.474	0.919	0.766	1	11
Rpsa	4.55E-05	-0.676	0.948	0.749	1	11

Cyp51	5.04E-05	-0.763	0.198	0.303	1	11
Rps13	5.12E-05	-0.446	0.983	0.867	1	11
Rps27a	5.29E-05	-0.350	0.988	0.868	1	11
Rps23	6.06E-05	-0.341	0.983	0.847	1	11
Rps2	6.52E-05	-0.390	0.948	0.796	1	11
Id2	7.22E-05	-0.878	0.82	0.742	1	11
Pfkp	7.23E-05	-0.807	0.407	0.449	1	11
Gm9844	7.83E-05	-0.745	0.517	0.517	1	11
Rps15a	7.94E-05	-0.610	0.942	0.758	1	11
Ndufa1	8.03E-05	0.316	0.826	0.577	1	11
Gpbp1	8.40E-05	-0.716	0.558	0.554	1	11
Neat1	8.90E-05	-0.384	0.558	0.344	1	11
Ube2d3	8.95E-05	-0.444	0.936	0.801	1	11
Zfp52	9.04E-05	-0.805	0.227	0.325	1	11
Atp11b	9.10E-05	-1.173	0.471	0.484	1	11
Pnizr	0.00010277	-0.305	0.541	0.313	1	11
Ccl3	0.00010772	-2.156	0.5	0.306	1	11
Itgax	0.00010968	-0.729	0.145	0.255	1	11
Sfn4	0.00013332	-1.126	0.378	0.211	1	11
Plaur	0.00013601	-1.237	0.837	0.669	1	11
Sp140	0.00013609	-0.273	0.599	0.367	1	11
Xrn2	0.00014122	0.273	0.674	0.452	1	11
Gm26917	0.00014519	-1.415	0.628	0.592	1	11
Ptp4a2	0.00015957	-0.551	0.907	0.79	1	11
Tcp11l2	0.00016515	-0.333	0.517	0.295	1	11
Rpl4	0.00019666	-0.523	0.983	0.784	1	11
Ppp2ca	0.00021975	-0.512	0.866	0.741	1	11
Rpl27	0.00023329	-0.398	0.924	0.752	1	11
Rpl23	0.00024049	-0.252	1	0.914	1	11
Nr3c1	0.00024487	-0.397	0.61	0.38	1	11
Sfpq	0.00025705	-0.543	0.919	0.802	1	11
Mxd1	0.0002711	-1.055	0.802	0.691	1	11
Notch1	0.00027523	-0.259	0.419	0.246	1	11
Phlda1	0.00027853	-0.469	0.721	0.471	1	11
Rpl27a	0.00030384	-0.279	0.994	0.855	1	11
Rps9	0.00032269	-0.357	0.994	0.913	1	11
Zfp36l2	0.00033231	-0.869	0.901	0.768	1	11
Smox	0.00034293	-1.170	0.628	0.573	1	11
Phf20l1	0.00035999	-0.269	0.453	0.272	1	11
Ankrd12	0.00036895	-0.365	0.657	0.409	1	11
Abr	0.00038464	-0.581	0.186	0.276	1	11
Ccr2	0.0003948	-0.555	0.221	0.344	1	11
mt-Nd5	0.00040404	-0.411	0.977	0.908	1	11
Rps15	0.00044463	-0.341	0.965	0.812	1	11
Rpl8	0.00045364	-0.432	0.895	0.765	1	11
Elf1	0.00047899	-0.993	0.651	0.581	1	11

Arid5b	0.00054905	-0.507	0.477	0.285	1	11
Stat3	0.00056643	-0.849	0.866	0.741	1	11
Rpl24	0.00062343	-0.309	0.948	0.79	1	11
Mapkapk3	0.00062653	-0.652	0.297	0.367	1	11
Spty2d1	0.00063592	-0.728	0.698	0.635	1	11
Rpl35a	0.00067311	-0.282	0.977	0.862	1	11
Eea1	0.00072147	-0.290	0.738	0.472	1	11
Rpl37a	0.00075194	-0.294	0.977	0.859	1	11
Rabgef1	0.00076237	-0.311	0.669	0.417	1	11
Ddx6	0.00078538	-0.622	0.785	0.692	1	11
Gm11808	0.00079141	-0.382	0.924	0.758	1	11
Rpl7	0.00080884	-0.379	0.953	0.774	1	11
Ddit4	0.00081887	-1.002	0.215	0.296	1	11
Leng8	0.00082057	-0.253	0.541	0.334	1	11
Cd74	0.00082758	-1.004	0.913	0.773	1	11
Myl6	0.00090143	-0.370	0.953	0.841	1	11
Heca	0.00091023	-0.263	0.279	0.157	1	11
Fbxo34	0.00102959	-0.256	0.43	0.261	1	11
Son	0.00103564	-0.511	0.872	0.762	1	11
Tent5c	0.00103913	-0.846	0.465	0.472	1	11
Tent5a	0.00104941	-0.647	0.622	0.394	1	11
Slc20a1	0.00105049	-0.380	0.424	0.259	1	11
Oaz1	0.00110785	-0.335	0.959	0.829	1	11
Agpat4	0.00116797	-0.671	0.297	0.35	1	11
Rab7b	0.00129814	-0.278	0.669	0.418	1	11
Syng2	0.00131404	-0.491	0.773	0.482	1	11
Slc1a5	0.00132181	-0.629	0.314	0.374	1	11
Fyn	0.00138737	-0.699	0.436	0.46	1	11
Csnk1e	0.00142795	-0.290	0.471	0.288	1	11
H2-Ab1	0.00156875	-1.580	0.82	0.663	1	11
Dock10	0.0015696	-0.675	0.314	0.362	1	11
Rbm25	0.00169589	-0.526	0.884	0.761	1	11
Rpl15	0.00172543	-0.305	0.959	0.773	1	11
Ubp1	0.00173414	-0.262	0.576	0.366	1	11
Lhfpl2	0.00174423	-0.392	0.587	0.382	1	11
Tnfaip2	0.00174516	-0.269	0.535	0.332	1	11
N4bp2l1	0.00174531	-0.293	0.378	0.229	1	11
Ggta1	0.00177332	-0.488	0.227	0.31	1	11
Maff	0.00184803	-0.398	0.622	0.409	1	11
Cks2	0.00187123	-0.761	0.343	0.396	1	11
Rps20	0.00192177	-0.328	1	0.844	1	11
Tax1bp1	0.00195373	-0.532	0.843	0.731	1	11
Etv3	0.00196783	-0.446	0.756	0.48	1	11
Zmym5	0.00202015	-0.290	0.372	0.222	1	11
Eif5	0.00226351	-0.452	0.93	0.859	1	11
Rps3a1	0.00228699	-0.419	0.971	0.838	1	11

H2-Aa	0.00230734	-1.310	0.762	0.643	1	11
Prpf4b	0.002366	-0.259	0.535	0.335	1	11
Cdk11b	0.00237368	-0.261	0.721	0.47	1	11
Rps25	0.00241599	-0.261	0.965	0.845	1	11
Rapgef6	0.00247083	-0.251	0.436	0.278	1	11
Lpin2	0.00247849	-0.253	0.436	0.265	1	11
Hspd1	0.00256079	-0.307	0.738	0.463	1	11
Nfkb1	0.00258115	-0.762	0.733	0.64	1	11
Selenon	0.00260092	-0.347	0.25	0.148	1	11
Rpl9-ps6	0.0026699	-0.402	0.878	0.703	1	11
Prpf39	0.00268435	-0.284	0.442	0.272	1	11
Arid4a	0.00274147	-0.276	0.564	0.356	1	11
Anxa1	0.0027664	-0.304	0.657	0.422	1	11
Pcyt1a	0.00292718	-0.328	0.698	0.451	1	11
Rpl19	0.00299332	-0.304	0.93	0.77	1	11
Tgif1	0.00308165	-0.664	0.837	0.761	1	11
Rps5	0.00311662	-0.340	0.953	0.798	1	11
Stk17b	0.00312212	-0.985	0.738	0.625	1	11
Gpnmb	0.00334779	-1.320	0.407	0.249	1	11
Lasp1	0.00352987	-0.799	0.779	0.636	1	11
Rps8	0.0037308	-0.325	0.994	0.87	1	11
Hilpda	0.00379204	-1.427	0.715	0.61	1	11
Hnrnpa0	0.00383005	-0.443	0.82	0.675	1	11
Mknk2	0.00386478	-0.648	0.849	0.718	1	11
Fosl2	0.00390709	-0.675	0.866	0.772	1	11
Diaph1	0.00391551	-0.627	0.733	0.631	1	11
F10	0.00416046	-0.848	0.186	0.254	1	11
Rps27rt	0.00426533	-0.536	0.808	0.656	1	11
Lilr4b	0.00429506	-1.042	0.89	0.722	1	11
Crybg1	0.00434135	-0.527	0.215	0.278	1	11
Itga4	0.0043833	-0.476	0.471	0.292	1	11
Rel	0.00444819	-0.912	0.686	0.584	1	11
Slfn2	0.00453255	-0.780	0.884	0.727	1	11
Cd14	0.00460461	-0.366	0.919	0.639	1	11
Cnn2	0.00464545	-0.855	0.43	0.422	1	11
Ago2	0.00514553	-0.759	0.605	0.538	1	11
Sod1	0.00527946	-0.522	0.843	0.703	1	11
Nceh1	0.00537783	-0.261	0.581	0.359	1	11
Srrm1	0.00554723	-0.508	0.831	0.69	1	11
Map2k3	0.00558217	-0.507	0.843	0.729	1	11
Rps21	0.00570603	-0.276	0.948	0.789	1	11
Pnrc1	0.00580962	-0.359	0.895	0.731	1	11
Sik3	0.00581087	-0.680	0.488	0.476	1	11
Myadm	0.0058233	-0.255	0.64	0.402	1	11
Cxcl16	0.00614516	-0.318	0.61	0.39	1	11
Zc3h12a	0.00633251	-0.333	0.68	0.443	1	11



B4galnt1	0.00652176	-0.598	0.273	0.315	1	11
Tnfrsf1b	0.00666387	-0.733	0.634	0.562	1	11
Hk2	0.00672853	-0.331	0.581	0.376	1	11
Atg2a	0.00684885	-0.255	0.256	0.161	1	11
Fem1c	0.00686208	-0.616	0.762	0.653	1	11
Myo1g	0.00695811	-0.809	0.372	0.386	1	11
Rnf149	0.00701995	-0.891	0.913	0.74	1	11
Prdx6	0.00705599	-0.901	0.663	0.565	1	11
1700017B05Rik	0.00745071	-0.438	0.628	0.412	1	11
Arf6	0.00773506	-0.442	0.843	0.719	1	11
Aebp2	0.00781262	-0.866	0.448	0.422	1	11
Xist	0.00783659	-0.645	0.924	0.805	1	11
Prkar1a	0.00797301	-0.552	0.814	0.683	1	11
Eif5a	0.00820978	-0.331	0.924	0.82	1	11
Glpr1	0.00822673	-0.525	0.32	0.355	1	11
Swap70	0.00867278	-0.309	0.43	0.277	1	11
Polr2a	0.00873035	-0.679	0.634	0.555	1	11
Gadd45b	0.00893997	-0.501	0.808	0.566	1	11
Neurl3	0.00898755	-0.993	0.384	0.395	1	11
Ndfip1	0.00924724	-0.279	0.465	0.3	1	11
Bptf	0.00929645	-0.285	0.68	0.44	1	11
Rock1	0.00934247	-0.681	0.686	0.605	1	11
3-Sep	0	2.832	0.955	0.033	0	12
Itgae	0	1.999	0.873	0.055	0	12
Xcr1	0	1.612	0.656	0.014	0	12
Clec9a	0	1.407	0.752	0.013	0	12
Btla	0	1.355	0.777	0.041	0	12
Sema4f	0	1.036	0.605	0.015	0	12
Gpr141b	0	0.985	0.516	0.012	0	12
Dbn1	0	0.903	0.618	0.021	0	12
Flt3	3.69E-292	1.387	0.854	0.058	9.16E-288	12
Plet1	8.45E-292	2.825	0.669	0.034	2.10E-287	12
H2-Ob	7.04E-260	1.213	0.777	0.056	1.75E-255	12
Hepacam2	7.03E-254	0.786	0.427	0.013	1.75E-249	12
Gcsam	7.57E-243	0.635	0.35	0.008	1.88E-238	12
Gpr33	4.55E-222	0.519	0.274	0.005	1.13E-217	12
Card10	8.98E-219	0.580	0.42	0.016	2.23E-214	12
Wdfy4	7.76E-213	2.178	0.962	0.137	1.93E-208	12
Ifi205	4.21E-209	2.407	0.949	0.123	1.04E-204	12
Kit	1.29E-190	0.855	0.631	0.048	3.20E-186	12
Klrb1b	1.68E-180	1.676	0.803	0.09	4.18E-176	12
Fam149a	9.83E-161	0.453	0.325	0.013	2.44E-156	12
6-Sep	3.23E-155	1.788	0.949	0.177	8.02E-151	12
Naga	1.61E-150	2.090	1	0.234	4.00E-146	12
St3gal5	4.56E-142	1.044	0.669	0.08	1.13E-137	12
Jaml	3.54E-140	1.336	0.803	0.114	8.78E-136	12

Dpp4	7.10E-140	1.018	0.688	0.084	1.76E-135	12
Lrrk2	6.92E-139	0.580	0.414	0.028	1.72E-134	12
Gpr171	1.40E-138	1.641	0.828	0.132	3.47E-134	12
Rnase6	1.61E-138	0.942	0.624	0.069	4.01E-134	12
Lrrc1	2.49E-138	0.501	0.408	0.027	6.18E-134	12
Itga3	1.13E-135	0.742	0.414	0.029	2.81E-131	12
2310031A07Rik	1.49E-133	0.938	0.503	0.045	3.70E-129	12
Arsb	2.68E-131	1.021	0.694	0.095	6.67E-127	12
Naaa	1.02E-126	2.714	1	0.316	2.52E-122	12
Pdia5	1.06E-125	0.563	0.395	0.029	2.63E-121	12
Neur11b	4.29E-125	0.500	0.369	0.025	1.07E-120	12
Ppt1	7.02E-123	2.488	0.975	0.313	1.74E-118	12
Ap1s3	4.77E-122	0.637	0.484	0.046	1.18E-117	12
Ckb	3.30E-121	1.606	0.917	0.207	8.19E-117	12
Rasgrp3	3.64E-121	0.411	0.287	0.015	9.04E-117	12
Slc25a20	1.86E-120	1.515	0.904	0.198	4.62E-116	12
Pbx1	5.18E-120	0.693	0.535	0.056	1.29E-115	12
Fcrla	1.00E-119	0.550	0.287	0.015	2.49E-115	12
Ppm1m	1.50E-119	0.729	0.58	0.07	3.74E-115	12
F2rl2	2.13E-117	0.378	0.299	0.017	5.29E-113	12
BC028528	2.48E-117	1.165	0.854	0.171	6.15E-113	12
Gatm	2.07E-116	1.783	0.911	0.2	5.15E-112	12
Tnni2	1.09E-115	0.483	0.344	0.024	2.71E-111	12
Ece1	3.53E-113	1.223	0.854	0.169	8.77E-109	12
Kmo	3.86E-112	0.776	0.471	0.047	9.60E-108	12
Trim35	1.20E-111	1.575	0.892	0.218	2.99E-107	12
P2ry14	3.42E-111	0.934	0.682	0.106	8.49E-107	12
Ppfibp2	5.18E-110	0.999	0.618	0.088	1.29E-105	12
Htr7	2.04E-109	0.741	0.567	0.07	5.07E-105	12
Plbd1	6.40E-109	2.405	1	0.445	1.59E-104	12
Tbc1d8	5.26E-107	0.690	0.592	0.076	1.31E-102	12
Shtn1	3.51E-105	1.344	0.828	0.184	8.72E-101	12
Rtl8a	1.22E-102	1.009	0.656	0.11	3.03E-98	12
Pkib	1.36E-101	1.304	0.809	0.173	3.38E-97	12
Mctp1	2.62E-101	0.587	0.554	0.073	6.50E-97	12
H2-DMb2	1.25E-100	0.978	0.732	0.125	3.11E-96	12
Timeless	2.34E-99	0.683	0.446	0.049	5.82E-95	12
Kdm4a	3.27E-97	1.138	0.669	0.116	8.12E-93	12
Jag2	3.72E-97	0.556	0.414	0.042	9.25E-93	12
Mycl	1.01E-96	0.530	0.261	0.016	2.51E-92	12
Cst3	1.39E-96	3.227	1	0.788	3.45E-92	12
Ncoa7	1.37E-95	1.423	0.758	0.158	3.41E-91	12
Adam19	5.76E-95	0.708	0.586	0.085	1.43E-90	12
Sult1a1	6.31E-95	0.480	0.325	0.026	1.57E-90	12
Sema7a	1.45E-94	0.970	0.675	0.112	3.59E-90	12
H2-DMb1	2.74E-94	1.478	0.968	0.289	6.81E-90	12

Bri3bp	1.42E-92	1.170	0.834	0.198	3.52E-88	12
Bcl2l14	3.05E-91	0.494	0.274	0.018	7.57E-87	12
Erlin1	3.54E-90	1.087	0.783	0.176	8.80E-86	12
Prkar2a	1.37E-89	1.280	0.892	0.249	3.41E-85	12
Zdhhc23	7.53E-88	0.599	0.427	0.049	1.87E-83	12
Txndc15	9.87E-88	0.926	0.739	0.161	2.45E-83	12
Gpd2	4.96E-85	1.552	0.911	0.28	1.23E-80	12
Gcnt2	2.76E-84	1.420	0.726	0.156	6.85E-80	12
H2-DMA	6.51E-82	1.486	1	0.371	1.62E-77	12
Gm2a	1.64E-81	2.003	0.994	0.643	4.08E-77	12
Ccnd1	4.99E-81	1.564	0.783	0.193	1.24E-76	12
Lsr	1.38E-80	0.666	0.592	0.099	3.42E-76	12
Cd24a	1.01E-79	0.896	0.994	0.299	2.52E-75	12
Olfm1	5.98E-79	1.450	0.892	0.27	1.49E-74	12
Fcgrt	8.50E-79	0.782	0.847	0.207	2.11E-74	12
H2-Aa	1.14E-78	1.976	1	0.637	2.84E-74	12
Eef1b2	2.17E-78	1.624	0.994	0.771	5.40E-74	12
Stard10	6.57E-78	0.324	0.28	0.023	1.63E-73	12
H2-Eb1	1.38E-76	1.926	1	0.579	3.42E-72	12
Parvg	1.99E-76	0.886	0.726	0.168	4.93E-72	12
Mpeg1	2.98E-76	1.614	1	0.431	7.39E-72	12
Camk1d	2.57E-75	1.079	0.822	0.229	6.39E-71	12
Cd74	4.91E-75	1.813	1	0.771	1.22E-70	12
H2-Ab1	7.83E-75	1.905	1	0.659	1.94E-70	12
Syng2	1.52E-74	1.510	1	0.477	3.77E-70	12
Rps11	1.13E-73	1.268	1	0.826	2.81E-69	12
Fgd2	5.37E-73	0.570	0.452	0.067	1.33E-68	12
Cadm1	3.35E-72	1.031	0.58	0.109	8.31E-68	12
Pianp	4.28E-71	0.856	0.465	0.073	1.06E-66	12
Psmb9	4.37E-71	1.069	0.828	0.244	1.09E-66	12
Lsp1	4.63E-71	1.525	0.994	0.515	1.15E-66	12
Rab7b	4.78E-71	1.544	0.968	0.411	1.19E-66	12
Cmtr1	1.13E-70	0.414	0.35	0.04	2.80E-66	12
Afap1	3.48E-70	0.400	0.261	0.023	8.65E-66	12
Tmsb4x	8.27E-70	1.256	1	0.971	2.05E-65	12
Fnbp1	1.62E-69	1.597	0.981	0.498	4.03E-65	12
Ears2	1.68E-69	0.390	0.255	0.022	4.17E-65	12
Atp6v0a2	1.84E-69	0.925	0.752	0.2	4.56E-65	12
Grasp	9.39E-69	0.678	0.554	0.1	2.33E-64	12
H2afy	2.73E-68	1.413	0.994	0.597	6.79E-64	12
Arl6	1.44E-67	0.423	0.318	0.037	3.57E-63	12
Pak1	1.74E-67	0.936	0.732	0.193	4.32E-63	12
Ahr	2.26E-67	0.832	0.701	0.163	5.61E-63	12
Cbfa2t3	2.97E-67	1.317	0.924	0.314	7.38E-63	12
Mrpl42	5.15E-67	1.182	0.847	0.289	1.28E-62	12
Atpif1	1.14E-66	1.388	0.962	0.472	2.82E-62	12

Sfxn2	1.67E-66	0.663	0.49	0.086	4.15E-62	12
Tmem50b	1.72E-66	1.029	0.847	0.263	4.28E-62	12
Irf5	7.27E-66	0.908	0.834	0.249	1.81E-61	12
Zc3h12c	1.02E-64	0.928	0.554	0.11	2.54E-60	12
Psme1	1.33E-64	1.298	1	0.58	3.31E-60	12
Dpy1911	1.61E-64	0.876	0.656	0.162	4.00E-60	12
Slc8b1	1.09E-63	0.970	0.847	0.259	2.71E-59	12
Map3k14	1.15E-63	0.593	0.548	0.103	2.87E-59	12
Psmb8	1.97E-63	1.339	0.987	0.57	4.89E-59	12
Got2	2.08E-63	1.064	0.911	0.35	5.16E-59	12
Parp8	2.37E-63	0.477	0.49	0.085	5.88E-59	12
Asap2	3.51E-63	0.429	0.312	0.037	8.73E-59	12
Taldo1	8.34E-63	1.407	0.987	0.57	2.07E-58	12
Klrg2	1.54E-61	0.347	0.261	0.026	3.83E-57	12
H2-Oa	1.69E-61	0.286	0.274	0.028	4.19E-57	12
1700025G04Rik	3.63E-61	0.631	0.541	0.109	9.01E-57	12
Cyfp2	9.95E-61	0.670	0.777	0.204	2.47E-56	12
Gdi2	1.35E-60	1.261	1	0.682	3.34E-56	12
Actb	2.21E-60	0.945	1	0.99	5.48E-56	12
Napsa	2.30E-60	0.752	0.758	0.197	5.71E-56	12
Zbtb46	2.55E-60	0.503	0.446	0.073	6.33E-56	12
Klrk1	2.71E-60	0.630	0.586	0.122	6.73E-56	12
Irf8	4.18E-60	1.523	0.93	0.405	1.04E-55	12
Cpne3	9.86E-60	1.045	0.777	0.253	2.45E-55	12
Cyp27a1	1.31E-59	0.451	0.389	0.059	3.25E-55	12
Slamf7	2.65E-59	0.996	0.93	0.32	6.59E-55	12
Spint2	8.59E-59	0.492	0.478	0.084	2.13E-54	12
Cd83	8.74E-59	1.209	0.968	0.414	2.17E-54	12
Tspan33	3.45E-58	0.438	0.414	0.067	8.57E-54	12
Actg1	5.99E-58	1.017	1	0.968	1.49E-53	12
Actr3	1.19E-57	1.055	1	0.84	2.95E-53	12
Cytip	1.86E-57	1.451	0.994	0.65	4.63E-53	12
Psap	2.09E-57	1.338	1	0.846	5.19E-53	12
Ptms	5.07E-57	1.303	1	0.665	1.26E-52	12
Acox3	5.50E-57	0.767	0.618	0.156	1.37E-52	12
Pomp	1.16E-56	1.196	0.987	0.58	2.88E-52	12
Slco3a1	1.86E-56	0.509	0.484	0.091	4.63E-52	12
Cnn2	5.30E-56	1.064	0.962	0.409	1.32E-51	12
Dnase113	8.21E-56	1.079	0.306	0.04	2.04E-51	12
Rtcb	2.56E-55	0.942	0.79	0.276	6.35E-51	12
Havcr2	6.26E-55	1.184	0.828	0.321	1.55E-50	12
B3gnt5	1.68E-54	0.875	0.694	0.185	4.17E-50	12
Atox1	1.83E-54	1.119	0.987	0.528	4.56E-50	12
Rpl17	3.51E-54	0.949	1	0.896	8.73E-50	12
Zyx	5.53E-54	1.411	0.975	0.547	1.37E-49	12
Pfkip	8.41E-54	1.158	0.955	0.436	2.09E-49	12

Srebf2	2.96E-53	1.001	0.962	0.429	7.35E-49	12
Laptm4b	5.20E-53	0.443	0.331	0.049	1.29E-48	12
Jtb	1.11E-52	1.030	0.834	0.32	2.75E-48	12
Lpcat1	1.47E-52	0.742	0.624	0.165	3.65E-48	12
H2afz	1.61E-52	1.319	1	0.829	4.00E-48	12
Plekha5	1.77E-52	0.354	0.338	0.05	4.40E-48	12
Sh3bp1	2.40E-52	0.718	0.682	0.197	5.95E-48	12
Tm6sf1	6.29E-52	1.125	0.828	0.325	1.56E-47	12
Cebpb	6.51E-52	-3.096	0.306	0.793	1.62E-47	12
Srgap3	2.08E-51	0.276	0.287	0.037	5.18E-47	12
Arl3	2.53E-51	0.506	0.535	0.125	6.28E-47	12
Gpcpd1	7.94E-51	0.706	0.682	0.195	1.97E-46	12
Itgb7	1.76E-50	0.829	0.892	0.311	4.38E-46	12
Nup210	1.78E-50	0.553	0.471	0.096	4.41E-46	12
Casp6	1.12E-49	0.606	0.605	0.157	2.77E-45	12
P2ry10	2.07E-49	0.693	0.854	0.264	5.15E-45	12
Anpep	1.12E-48	0.625	0.815	0.249	2.78E-44	12
Dock5	2.25E-48	0.366	0.312	0.046	5.59E-44	12
Agpat3	3.88E-48	0.669	0.611	0.169	9.64E-44	12
Kctd12	4.25E-48	1.154	0.987	0.591	1.06E-43	12
Rfx7	4.80E-48	0.554	0.637	0.17	1.19E-43	12
Nap111	8.98E-48	1.139	0.981	0.621	2.23E-43	12
Tap2	1.10E-47	0.689	0.79	0.265	2.73E-43	12
Elac2	1.24E-47	0.353	0.28	0.039	3.08E-43	12
Cmtm6	1.58E-47	0.840	0.828	0.317	3.93E-43	12
Myadm	2.81E-47	1.052	0.911	0.396	6.99E-43	12
Man2b1	6.36E-47	0.964	0.904	0.39	1.58E-42	12
Rala	6.96E-47	0.931	0.911	0.406	1.73E-42	12
Nectin1	9.84E-47	0.288	0.293	0.042	2.45E-42	12
Ciita	1.18E-46	0.636	0.471	0.104	2.92E-42	12
Crip1	2.05E-46	1.237	0.994	0.675	5.09E-42	12
Cd52	2.44E-46	1.053	1	0.833	6.05E-42	12
Myo9a	2.79E-46	0.499	0.497	0.117	6.92E-42	12
Rpl14	3.57E-46	0.987	0.987	0.684	8.86E-42	12
Cd2ap	3.86E-46	0.819	0.707	0.228	9.59E-42	12
Rps3a1	5.16E-46	0.901	0.994	0.838	1.28E-41	12
Cdc42se1	5.37E-46	0.826	0.917	0.409	1.33E-41	12
Slc25a38	9.56E-46	0.378	0.389	0.073	2.38E-41	12
Prep	1.12E-45	0.807	0.873	0.345	2.77E-41	12
Sdad1	1.17E-45	0.763	0.573	0.161	2.92E-41	12
Ndufa6	1.35E-45	0.797	0.885	0.372	3.35E-41	12
Gm6377	1.58E-45	0.569	0.701	0.205	3.92E-41	12
Sema4a	1.91E-45	0.566	0.656	0.188	4.74E-41	12
Rpl5	2.07E-45	0.923	1	0.806	5.14E-41	12
Ppfia4	2.79E-45	0.431	0.369	0.068	6.93E-41	12
Ccnd3	4.20E-45	0.897	0.803	0.296	1.04E-40	12

Ucp2	1.02E-44	1.061	1	0.787	2.54E-40	12
Dbnl	1.07E-44	0.833	0.828	0.329	2.67E-40	12
Pip4k2a	1.68E-44	0.923	0.879	0.38	4.17E-40	12
Skap2	2.15E-44	0.829	0.975	0.452	5.34E-40	12
Rasgrp4	3.32E-44	0.351	0.522	0.123	8.24E-40	12
Rps9	4.39E-44	0.807	1	0.913	1.09E-39	12
Coro2a	7.38E-44	0.691	0.669	0.207	1.83E-39	12
Rps6	9.25E-44	0.871	1	0.829	2.30E-39	12
Rps28	9.42E-44	0.771	1	0.89	2.34E-39	12
Dna2	9.67E-44	0.340	0.312	0.051	2.40E-39	12
Sod1	1.31E-43	0.916	1	0.699	3.26E-39	12
Txndc16	1.52E-43	0.626	0.363	0.07	3.78E-39	12
Pmepal	1.55E-43	0.707	0.707	0.216	3.84E-39	12
Sp110	7.83E-43	0.886	0.866	0.37	1.94E-38	12
Arpc2	8.75E-43	0.793	1	0.895	2.17E-38	12
Rpl4	1.28E-42	0.892	1	0.784	3.17E-38	12
Rpl35a	1.39E-42	0.767	1	0.862	3.45E-38	12
Map4k1	2.74E-42	0.498	0.535	0.138	6.81E-38	12
Fuca1	4.92E-42	0.737	0.803	0.304	1.22E-37	12
Cdk14	6.28E-42	0.560	0.49	0.125	1.56E-37	12
Rpl28	6.31E-42	0.810	1	0.832	1.57E-37	12
Rps26	6.49E-42	0.768	1	0.881	1.61E-37	12
Rps4x	6.63E-42	0.890	1	0.79	1.65E-37	12
Slc35c2	9.64E-42	0.418	0.446	0.104	2.40E-37	12
Nckipsd	9.74E-42	0.344	0.331	0.06	2.42E-37	12
Pcyt2	1.06E-41	0.387	0.408	0.086	2.64E-37	12
Zeb2	1.10E-41	-2.516	0.076	0.65	2.73E-37	12
Hacd2	1.49E-41	0.628	0.669	0.224	3.70E-37	12
Sub1	3.58E-41	0.961	0.981	0.699	8.90E-37	12
Dock10	3.69E-41	0.765	0.854	0.348	9.18E-37	12
Rps3	4.37E-41	0.788	1	0.856	1.08E-36	12
Tap1	5.11E-41	0.748	0.847	0.336	1.27E-36	12
Gpr68	6.68E-41	0.428	0.382	0.077	1.66E-36	12
Bloc1s2	9.05E-41	0.624	0.573	0.172	2.25E-36	12
Mtmr4	1.16E-40	0.355	0.382	0.078	2.89E-36	12
Tspo	1.22E-40	1.072	0.975	0.56	3.04E-36	12
Gtpbp4	1.31E-40	0.711	0.828	0.323	3.25E-36	12
Cd9	1.46E-40	0.529	0.994	0.451	3.63E-36	12
Rps14	1.67E-40	0.777	1	0.864	4.16E-36	12
Btbd1	1.78E-40	0.785	0.764	0.307	4.41E-36	12
Fbxo4	2.62E-40	0.452	0.465	0.114	6.50E-36	12
Plekho2	2.77E-40	0.876	0.93	0.467	6.87E-36	12
Vrk1	3.91E-40	0.557	0.624	0.191	9.70E-36	12
Cystm1	4.67E-40	0.565	0.497	0.128	1.16E-35	12
H3f3b	4.79E-40	-1.206	0.987	0.965	1.19E-35	12
Rps18	5.99E-40	0.908	1	0.706	1.49E-35	12

Ndufb11	6.79E-40	0.763	0.904	0.4	1.69E-35	12
Plp2	7.76E-40	0.918	0.86	0.378	1.93E-35	12
Lpcat4	7.86E-40	0.299	0.344	0.064	1.95E-35	12
Phc2	7.93E-40	0.527	0.541	0.152	1.97E-35	12
Alox5ap	8.80E-40	0.864	1	0.594	2.19E-35	12
Gnb4	1.19E-39	0.386	0.331	0.061	2.96E-35	12
Gusb	1.20E-39	0.868	0.854	0.377	2.97E-35	12
Rps25	4.78E-39	0.769	1	0.844	1.19E-34	12
Acss1	4.79E-39	0.523	0.452	0.112	1.19E-34	12
Calm1	6.84E-39	0.752	1	0.918	1.70E-34	12
Itm2c	7.95E-39	0.799	0.975	0.554	1.98E-34	12
Atp8a1	8.18E-39	0.589	0.58	0.175	2.03E-34	12
Stat2	8.25E-39	0.710	0.847	0.336	2.05E-34	12
Tbca	1.21E-38	0.892	0.93	0.5	3.00E-34	12
Cs	1.36E-38	0.659	0.873	0.372	3.37E-34	12
Tspan13	1.45E-38	0.669	0.936	0.389	3.61E-34	12
Fth1	2.28E-38	-2.374	0.994	0.984	5.65E-34	12
Gfod1	2.55E-38	0.270	0.573	0.154	6.34E-34	12
Rps29	3.94E-38	0.610	1	0.927	9.80E-34	12
Supt20	4.57E-38	0.505	0.567	0.17	1.14E-33	12
Itpr1	4.96E-38	0.427	0.516	0.135	1.23E-33	12
Dnajc3	6.43E-38	0.909	0.924	0.457	1.60E-33	12
Gng12	9.57E-38	0.703	0.771	0.3	2.38E-33	12
S100a11	1.23E-37	0.913	0.987	0.802	3.07E-33	12
Rplp1	1.52E-37	0.729	1	0.897	3.79E-33	12
Jdp2	2.42E-37	0.943	0.892	0.441	6.01E-33	12
Stard3nl	2.76E-37	0.561	0.694	0.243	6.84E-33	12
Unc119b	3.71E-37	0.392	0.395	0.089	9.22E-33	12
Rpsa	3.89E-37	0.822	1	0.748	9.66E-33	12
Arih2	5.18E-37	0.506	0.688	0.232	1.29E-32	12
Tnfaip8	5.22E-37	0.895	0.847	0.393	1.30E-32	12
Cycs	1.29E-36	0.853	0.892	0.448	3.22E-32	12
Acadl	2.37E-36	0.906	0.777	0.336	5.90E-32	12
Atp1a1	3.62E-36	0.938	0.975	0.58	9.00E-32	12
Rpl13a	5.28E-36	0.595	0.732	0.276	1.31E-31	12
Rack1	7.86E-36	0.761	1	0.755	1.95E-31	12
Rps8	8.58E-36	0.708	1	0.871	2.13E-31	12
Rps5	9.52E-36	0.772	1	0.797	2.37E-31	12
Ctsd	1.12E-35	-2.535	0.076	0.598	2.79E-31	12
Rpl9	1.77E-35	0.714	0.994	0.845	4.38E-31	12
Eef1a1	1.84E-35	0.682	1	0.952	4.56E-31	12
Rpl37	2.63E-35	0.732	1	0.845	6.53E-31	12
Creb3	2.66E-35	0.559	0.624	0.216	6.61E-31	12
Ubfd1	2.71E-35	0.575	0.548	0.171	6.74E-31	12
Plcb2	2.79E-35	0.347	0.35	0.075	6.94E-31	12
Ctnna1	2.91E-35	0.716	0.847	0.405	7.22E-31	12

Arhgap18	4.68E-35	0.447	0.548	0.169	1.16E-30	12
Cox7a2l	5.22E-35	0.878	0.93	0.488	1.30E-30	12
Usp22	8.61E-35	0.484	0.529	0.157	2.14E-30	12
Rtl8b	1.67E-34	0.477	0.414	0.106	4.15E-30	12
Anxa6	1.82E-34	0.573	0.854	0.37	4.52E-30	12
Mpp6	1.86E-34	0.631	0.688	0.253	4.61E-30	12
Cldnd1	2.14E-34	0.977	0.854	0.405	5.31E-30	12
Mkrl1	2.44E-34	0.978	0.93	0.51	6.05E-30	12
Sh3tc1	2.49E-34	0.410	0.427	0.109	6.17E-30	12
Phf11a	2.62E-34	0.470	0.293	0.057	6.50E-30	12
Rps27a	6.75E-34	0.698	1	0.868	1.68E-29	12
Arf3	6.89E-34	0.793	0.879	0.429	1.71E-29	12
Suclg1	8.96E-34	0.498	0.611	0.207	2.22E-29	12
Prkra	9.72E-34	0.413	0.369	0.089	2.41E-29	12
Capg	1.24E-33	-1.941	0.038	0.554	3.07E-29	12
Clic4	1.30E-33	1.045	0.962	0.613	3.23E-29	12
Unc93b1	1.71E-33	0.721	0.924	0.425	4.25E-29	12
Rpl30	2.07E-33	0.735	0.994	0.803	5.13E-29	12
Trpv2	2.22E-33	0.392	0.586	0.188	5.51E-29	12
Synj1	2.29E-33	0.597	0.93	0.431	5.69E-29	12
Nsmaf	2.31E-33	0.333	0.369	0.086	5.73E-29	12
Acvr1l	2.33E-33	0.520	0.541	0.173	5.79E-29	12
Aif1	3.10E-33	0.611	0.943	0.395	7.70E-29	12
Nr4a2	3.94E-33	0.933	0.943	0.5	9.79E-29	12
Naa25	5.70E-33	0.394	0.51	0.152	1.42E-28	12
Rps7	6.23E-33	0.709	0.994	0.797	1.55E-28	12
Pld4	6.25E-33	0.651	0.885	0.373	1.55E-28	12
Mllt3	1.20E-32	0.333	0.465	0.125	2.98E-28	12
Zfp386	1.63E-32	0.382	0.459	0.126	4.04E-28	12
Sdcbp2	2.36E-32	0.345	0.344	0.075	5.87E-28	12
Oaz1	3.14E-32	0.647	1	0.829	7.80E-28	12
Prdx2	4.35E-32	0.764	0.955	0.536	1.08E-27	12
Pafah1b3	4.49E-32	0.310	0.287	0.057	1.12E-27	12
Rtl5	5.07E-32	0.366	0.331	0.072	1.26E-27	12
Zfp710	5.80E-32	0.497	0.478	0.143	1.44E-27	12
Rps16	6.14E-32	0.656	1	0.858	1.53E-27	12
Ets2	6.24E-32	-2.094	0.166	0.627	1.55E-27	12
Mvb12a	1.12E-31	0.398	0.516	0.159	2.78E-27	12
Rpl18	1.23E-31	0.725	1	0.771	3.05E-27	12
Rps21	1.26E-31	0.669	1	0.788	3.14E-27	12
Arhgap5	1.59E-31	0.496	0.446	0.126	3.95E-27	12
Gpr55	2.97E-31	0.343	0.318	0.068	7.38E-27	12
Dennd4b	3.06E-31	0.364	0.49	0.145	7.61E-27	12
Apobec3	3.22E-31	0.607	0.662	0.247	7.99E-27	12
Pik3cg	3.69E-31	0.563	0.497	0.156	9.16E-27	12
Atp5c1	3.90E-31	0.705	0.866	0.435	9.68E-27	12



Nfkbia	4.01E-31	-2.573	0.637	0.827	9.96E-27	12
Gramd4	4.38E-31	0.317	0.414	0.106	1.09E-26	12
Corola	5.23E-31	0.778	1	0.759	1.30E-26	12
Abca3	5.95E-31	0.259	0.293	0.061	1.48E-26	12
Rnf149	6.34E-31	-2.223	0.535	0.749	1.57E-26	12
Rpl3	6.37E-31	0.739	0.994	0.729	1.58E-26	12
Usp10	6.61E-31	0.458	0.49	0.148	1.64E-26	12
Tpm3	8.10E-31	0.685	1	0.828	2.01E-26	12
Rpl8	1.05E-30	0.688	0.987	0.763	2.60E-26	12
Arhgef6	1.44E-30	0.424	0.503	0.157	3.57E-26	12
Spg21	1.50E-30	0.605	0.809	0.367	3.71E-26	12
Fgl2	1.82E-30	0.819	0.828	0.409	4.52E-26	12
Snx20	2.19E-30	0.398	0.694	0.254	5.45E-26	12
Csf2rb	2.52E-30	0.975	0.949	0.61	6.27E-26	12
Rab32	2.95E-30	0.489	0.713	0.268	7.32E-26	12
Rpl10	2.98E-30	0.689	0.994	0.76	7.41E-26	12
Rps27l	3.03E-30	0.751	0.898	0.46	7.53E-26	12
Sfxn1	3.64E-30	0.518	0.529	0.175	9.03E-26	12
Gltf	4.13E-30	0.696	0.955	0.528	1.03E-25	12
Chuk	4.45E-30	0.513	0.688	0.275	1.10E-25	12
Iilrn	5.72E-30	-3.511	0.045	0.528	1.42E-25	12
Rps20	5.93E-30	0.633	1	0.844	1.47E-25	12
Tbl1x	6.72E-30	0.672	0.732	0.297	1.67E-25	12
Pdgfb	7.31E-30	0.415	0.357	0.087	1.81E-25	12
Rnf8	7.46E-30	0.357	0.369	0.093	1.85E-25	12
Rpl39	9.44E-30	0.660	1	0.848	2.35E-25	12
Agpat4	9.94E-30	0.524	0.79	0.338	2.47E-25	12
Nono	1.15E-29	0.708	0.924	0.496	2.85E-25	12
Slc33a1	1.15E-29	0.440	0.369	0.097	2.86E-25	12
Trio	1.26E-29	0.578	0.605	0.226	3.13E-25	12
Strbp	1.34E-29	0.280	0.35	0.084	3.33E-25	12
Scarb1	1.35E-29	0.457	0.548	0.184	3.36E-25	12
B2m	1.45E-29	-0.918	1	0.977	3.59E-25	12
Higd2a	1.67E-29	0.558	0.796	0.345	4.15E-25	12
Whamm	1.75E-29	0.394	0.401	0.108	4.34E-25	12
Hilpda	2.29E-29	-2.845	0.229	0.623	5.69E-25	12
Tuba1a	2.56E-29	0.711	0.79	0.357	6.35E-25	12
Mfsd6	2.67E-29	0.380	0.395	0.106	6.64E-25	12
Coro7	3.00E-29	0.461	0.548	0.188	7.45E-25	12
Gm10073	3.04E-29	0.732	0.981	0.673	7.55E-25	12
Eid1	4.75E-29	0.730	0.879	0.439	1.18E-24	12
Chsy1	5.66E-29	0.401	0.516	0.166	1.41E-24	12
Kdm7a	5.97E-29	0.771	0.904	0.474	1.48E-24	12
Sh3bgrl3	6.53E-29	0.680	1	0.84	1.62E-24	12
Eif3g	8.72E-29	0.570	0.701	0.297	2.16E-24	12
Rpl6	1.01E-28	0.595	1	0.848	2.50E-24	12

Ccr1	1.01E-28	-2.508	0.057	0.519	2.51E-24	12
Coa5	1.02E-28	0.470	0.758	0.315	2.53E-24	12
Phf11b	1.21E-28	0.619	0.592	0.216	3.01E-24	12
Runx3	1.76E-28	0.819	0.904	0.488	4.36E-24	12
Trim30a	1.76E-28	0.618	0.758	0.32	4.38E-24	12
Vhl	1.81E-28	0.437	0.611	0.219	4.49E-24	12
Dpysl2	2.08E-28	0.599	0.701	0.284	5.18E-24	12
Cd86	2.49E-28	0.660	0.809	0.374	6.18E-24	12
Uqcrfs1	3.57E-28	0.630	0.854	0.425	8.86E-24	12
Rps13	3.68E-28	0.570	1	0.867	9.14E-24	12
Fam102b	3.75E-28	0.442	0.624	0.226	9.32E-24	12
R3hdm4	4.02E-28	0.487	0.771	0.341	1.00E-23	12
Ywhaz	4.08E-28	0.591	0.994	0.867	1.01E-23	12
Lsm6	4.08E-28	0.466	0.592	0.217	1.01E-23	12
Map4k5	4.26E-28	0.302	0.312	0.073	1.06E-23	12
Rpl7	4.53E-28	0.641	0.994	0.773	1.13E-23	12
Fyb	4.66E-28	-1.978	0.363	0.661	1.16E-23	12
Ocstamp	5.03E-28	0.366	0.268	0.054	1.25E-23	12
Mdh1	7.73E-28	0.551	0.847	0.41	1.92E-23	12
Tgif1	8.18E-28	-1.690	0.535	0.769	2.03E-23	12
Elp5	9.78E-28	0.439	0.573	0.21	2.43E-23	12
Wnt11	1.09E-27	0.407	0.446	0.128	2.71E-23	12
Ccdc86	1.27E-27	0.381	0.484	0.156	3.14E-23	12
Rpl9-ps6	1.29E-27	0.674	0.994	0.7	3.20E-23	12
Dck	1.31E-27	0.479	0.573	0.211	3.25E-23	12
H13	1.33E-27	0.544	0.847	0.415	3.30E-23	12
Rab10	1.33E-27	0.773	0.955	0.596	3.31E-23	12
Sh3bgrl	1.87E-27	0.693	0.936	0.51	4.64E-23	12
Psma4	2.16E-27	0.706	0.904	0.493	5.36E-23	12
Fabp5	2.32E-27	-3.152	0.127	0.544	5.77E-23	12
Reep3	2.64E-27	0.733	0.873	0.443	6.56E-23	12
Ppp1r11	4.07E-27	0.385	0.567	0.206	1.01E-22	12
Rnf157	4.29E-27	0.349	0.408	0.116	1.06E-22	12
Rpl23a	4.85E-27	0.574	1	0.83	1.21E-22	12
Herpud1	5.24E-27	0.784	0.911	0.507	1.30E-22	12
Itgam	6.17E-27	-2.105	0.057	0.498	1.53E-22	12
Rpl27a	6.46E-27	0.592	1	0.855	1.60E-22	12
Sri	7.02E-27	0.561	0.822	0.393	1.74E-22	12
Ier3	8.05E-27	-3.009	0.248	0.612	2.00E-22	12
Hfe	1.12E-26	0.482	0.452	0.145	2.78E-22	12
Psma1	1.19E-26	0.487	0.752	0.333	2.96E-22	12
Rpl15	1.22E-26	0.647	0.994	0.773	3.03E-22	12
Sh3pxd2b	1.25E-26	0.437	0.656	0.257	3.11E-22	12
Eif3e	1.43E-26	0.637	0.943	0.564	3.56E-22	12
Tgm2	1.57E-26	-2.229	0.025	0.471	3.89E-22	12
Isoc1	1.64E-26	0.357	0.408	0.122	4.07E-22	12

Ubash3b	2.13E-26	0.564	0.65	0.264	5.30E-22	12
Rpl35	2.19E-26	0.641	1	0.789	5.43E-22	12
Etv3	2.69E-26	0.758	0.892	0.477	6.69E-22	12
Akap9	2.79E-26	0.351	0.58	0.209	6.93E-22	12
M6pr	2.96E-26	0.704	0.987	0.619	7.34E-22	12
Tmem214	3.16E-26	0.364	0.459	0.15	7.86E-22	12
Sp140	3.61E-26	0.479	0.783	0.363	8.97E-22	12
Cpne2	3.87E-26	0.343	0.643	0.253	9.60E-22	12
Atp5b	3.98E-26	0.664	0.955	0.553	9.89E-22	12
Lilr4b	4.30E-26	-2.178	0.561	0.73	1.07E-21	12
Pdia3	4.86E-26	0.811	0.981	0.653	1.21E-21	12
Crtc2	5.04E-26	0.351	0.592	0.217	1.25E-21	12
Rpl32	5.22E-26	0.590	0.994	0.802	1.30E-21	12
Rpl36a	6.05E-26	0.674	0.981	0.684	1.50E-21	12
Arl2bp	6.93E-26	0.366	0.662	0.261	1.72E-21	12
Pttg1ip	9.66E-26	0.725	0.796	0.406	2.40E-21	12
Lpgat1	9.76E-26	0.386	0.541	0.195	2.42E-21	12
Rgs10	1.00E-25	0.584	0.834	0.409	2.49E-21	12
Tmem131	1.04E-25	0.556	0.656	0.275	2.58E-21	12
Ctsb	1.17E-25	-2.608	0.962	0.848	2.91E-21	12
Fam49b	1.20E-25	0.566	0.962	0.597	2.97E-21	12
Csf1r	1.24E-25	-1.739	0.013	0.451	3.07E-21	12
Ext1	1.25E-25	0.511	0.637	0.254	3.11E-21	12
Mlec	1.45E-25	0.432	0.624	0.244	3.61E-21	12
Rps27	1.53E-25	0.504	0.994	0.901	3.79E-21	12
Uvrag	1.55E-25	0.556	0.847	0.409	3.84E-21	12
Avp1l	1.79E-25	0.251	0.28	0.064	4.45E-21	12
Fyn	1.80E-25	0.531	0.885	0.449	4.47E-21	12
Eif3f	1.92E-25	0.641	0.962	0.578	4.78E-21	12
Jak2	1.97E-25	0.421	0.911	0.427	4.91E-21	12
Psma3	2.25E-25	0.637	0.955	0.563	5.58E-21	12
Nuak2	2.27E-25	0.437	0.764	0.33	5.64E-21	12
Hspe1	2.41E-25	0.807	0.955	0.627	5.98E-21	12
Crybg1	2.77E-25	0.466	0.669	0.266	6.87E-21	12
Pi4k2a	2.84E-25	0.492	0.745	0.337	7.06E-21	12
Eif3l	2.95E-25	0.491	0.847	0.387	7.32E-21	12
Fosl2	3.08E-25	-1.608	0.573	0.779	7.66E-21	12
Eef1g	3.22E-25	0.660	0.955	0.568	7.99E-21	12
Hmox1	3.86E-25	-2.825	0.166	0.559	9.58E-21	12
Pnrc1	4.59E-25	-1.881	0.567	0.739	1.14E-20	12
Pik3cb	4.92E-25	0.292	0.503	0.168	1.22E-20	12
Cdkn1a	5.53E-25	-1.717	0.662	0.767	1.37E-20	12
Lrrc58	6.36E-25	0.646	0.949	0.591	1.58E-20	12
Aldh9a1	6.58E-25	0.497	0.713	0.305	1.63E-20	12
Mbnl1	6.58E-25	0.573	0.93	0.578	1.64E-20	12
Psme2	7.06E-25	0.532	0.815	0.393	1.75E-20	12

Cnp	7.49E-25	0.367	0.414	0.13	1.86E-20	12
Btf3	1.10E-24	0.607	0.987	0.673	2.73E-20	12
Arf2	1.12E-24	0.567	0.65	0.273	2.78E-20	12
Por	1.16E-24	-1.599	0.14	0.539	2.89E-20	12
Glrx3	1.23E-24	0.490	0.758	0.343	3.06E-20	12
Cxcl2	1.40E-24	-5.447	0.414	0.664	3.47E-20	12
Fbl	1.48E-24	0.427	0.65	0.27	3.68E-20	12
Psmbl1	1.87E-24	0.623	0.975	0.598	4.65E-20	12
Lactb	2.08E-24	0.417	0.694	0.293	5.18E-20	12
Thbs1	2.32E-24	-4.220	0.191	0.556	5.76E-20	12
Uck2	2.37E-24	0.525	0.854	0.414	5.87E-20	12
Znrf2	2.45E-24	0.485	0.624	0.26	6.09E-20	12
Ifi211	2.56E-24	0.467	0.561	0.212	6.36E-20	12
Tnks	2.61E-24	0.397	0.452	0.151	6.48E-20	12
Rpl22	2.65E-24	0.631	0.994	0.677	6.59E-20	12
Cers5	2.68E-24	0.333	0.548	0.203	6.66E-20	12
Rpl21	2.85E-24	0.627	0.981	0.765	7.09E-20	12
Hcls1	3.15E-24	0.572	0.949	0.549	7.83E-20	12
Aagab	4.27E-24	0.399	0.439	0.147	1.06E-19	12
Ddost	4.38E-24	0.544	0.847	0.398	1.09E-19	12
Rhob	4.92E-24	-2.623	0.191	0.55	1.22E-19	12
Tbrg1	6.02E-24	0.467	0.561	0.221	1.49E-19	12
Rtraf	6.13E-24	0.492	0.675	0.3	1.52E-19	12
Rps24	6.65E-24	0.514	0.987	0.868	1.65E-19	12
Ccl9	6.74E-24	-2.666	0.057	0.466	1.68E-19	12
Gsn	6.95E-24	0.460	0.777	0.344	1.73E-19	12
Psm7	7.22E-24	0.589	0.924	0.499	1.79E-19	12
Ndufa4	7.71E-24	0.570	0.911	0.5	1.91E-19	12
Clec4d	8.06E-24	-2.779	0.019	0.435	2.00E-19	12
Mpc2	8.17E-24	0.523	0.662	0.306	2.03E-19	12
Arid4a	9.34E-24	0.515	0.758	0.351	2.32E-19	12
Antxr2	9.54E-24	0.322	0.86	0.412	2.37E-19	12
Nt5c	1.16E-23	0.426	0.682	0.289	2.88E-19	12
Erp29	1.19E-23	0.599	0.866	0.449	2.96E-19	12
Gng2	1.20E-23	0.496	0.783	0.359	2.99E-19	12
Ero11b	1.35E-23	0.475	0.51	0.188	3.35E-19	12
Mbnl2	1.41E-23	0.606	0.86	0.484	3.50E-19	12
Gtf3c6	1.41E-23	0.400	0.497	0.181	3.50E-19	12
Sppl2a	1.64E-23	0.609	0.879	0.469	4.08E-19	12
Phyh	1.79E-23	0.499	0.522	0.205	4.44E-19	12
Ccl6	1.87E-23	-3.520	0.204	0.549	4.65E-19	12
Tiam1	1.95E-23	0.434	0.618	0.24	4.85E-19	12
Orai1	1.98E-23	0.498	0.796	0.379	4.92E-19	12
Batf3	2.23E-23	0.252	0.255	0.058	5.55E-19	12
Cybb	2.25E-23	-2.203	0.013	0.423	5.58E-19	12
Rpl31	2.25E-23	0.530	1	0.84	5.60E-19	12

Rpl34	2.49E-23	0.539	0.994	0.857	6.19E-19	12
Map3k1	2.82E-23	0.513	0.783	0.355	7.01E-19	12
Eif3m	3.15E-23	0.456	0.726	0.341	7.84E-19	12
Gyg	3.29E-23	0.337	0.72	0.315	8.16E-19	12
Plek	4.17E-23	0.571	0.981	0.697	1.04E-18	12
Rap2a	4.42E-23	0.586	0.694	0.322	1.10E-18	12
Nsun2	4.50E-23	0.453	0.567	0.228	1.12E-18	12
St8sia4	5.57E-23	0.385	0.701	0.293	1.38E-18	12
Fanci	6.40E-23	0.258	0.255	0.061	1.59E-18	12
Dapp1	6.84E-23	0.313	0.58	0.22	1.70E-18	12
Ppal	7.52E-23	0.381	0.497	0.181	1.87E-18	12
Tyk2	9.10E-23	0.260	0.293	0.076	2.26E-18	12
Ssr4	9.20E-23	0.485	0.866	0.435	2.29E-18	12
Rpl18a	9.49E-23	0.537	0.994	0.827	2.36E-18	12
Tnfaip3	9.92E-23	-1.926	0.338	0.655	2.46E-18	12
Gm11808	1.04E-22	0.574	0.994	0.756	2.57E-18	12
Rps23	1.05E-22	0.523	1	0.847	2.60E-18	12
Rpl26	1.15E-22	0.569	1	0.77	2.87E-18	12
Net1	1.24E-22	0.268	0.459	0.152	3.07E-18	12
Dynll2	1.28E-22	0.412	0.637	0.268	3.19E-18	12
Wdr1	1.66E-22	0.654	0.911	0.523	4.12E-18	12
Selplg	1.72E-22	0.499	0.936	0.53	4.26E-18	12
Mafb	1.81E-22	-2.416	0.057	0.447	4.50E-18	12
Ubb	2.54E-22	-0.877	0.994	0.982	6.31E-18	12
Appl1	2.88E-22	0.373	0.624	0.267	7.16E-18	12
Atf6	2.99E-22	0.426	0.713	0.317	7.44E-18	12
Twf2	4.20E-22	0.382	0.567	0.229	1.04E-17	12
Commd8	4.84E-22	0.436	0.548	0.226	1.20E-17	12
Fgfr1op	6.01E-22	0.348	0.395	0.129	1.49E-17	12
Rps12	6.01E-22	0.467	1	0.903	1.49E-17	12
Rbbp7	6.13E-22	0.399	0.72	0.327	1.52E-17	12
Cyth4	6.21E-22	0.531	0.885	0.489	1.54E-17	12
Marcks	7.95E-22	0.402	0.968	0.545	1.97E-17	12
Hmgn1	8.78E-22	0.419	0.726	0.315	2.18E-17	12
Pld3	9.23E-22	-1.443	0.038	0.424	2.29E-17	12
Ric8a	9.49E-22	0.293	0.357	0.111	2.36E-17	12
Galnt7	1.06E-21	0.395	0.452	0.161	2.63E-17	12
Nsa2	1.06E-21	0.569	0.936	0.608	2.64E-17	12
Fcgr3	1.09E-21	-1.907	0.178	0.512	2.71E-17	12
Plaur	1.16E-21	-2.166	0.465	0.679	2.87E-17	12
Ifrd1	1.16E-21	-1.483	0.815	0.864	2.87E-17	12
Fundc1	1.21E-21	0.360	0.478	0.178	3.01E-17	12
Magt1	1.25E-21	0.577	0.783	0.391	3.11E-17	12
Mbp	1.36E-21	0.286	0.49	0.175	3.39E-17	12
Cyb5r1	1.43E-21	0.347	0.408	0.14	3.54E-17	12
Selenos	1.58E-21	0.497	0.777	0.389	3.94E-17	12

Rpl23	1.59E-21	0.465	1	0.914	3.96E-17	12
Cxcl9	1.60E-21	0.698	0.357	0.107	3.98E-17	12
Snap23	1.66E-21	0.369	0.739	0.351	4.13E-17	12
Vamp3	1.74E-21	0.464	0.809	0.399	4.33E-17	12
Rps15	1.85E-21	0.509	1	0.811	4.61E-17	12
Mbtd1	2.03E-21	0.430	0.631	0.274	5.05E-17	12
Smox	2.14E-21	-1.766	0.242	0.583	5.32E-17	12
Prpf19	2.66E-21	0.336	0.516	0.198	6.62E-17	12
Ndufb10	2.87E-21	0.536	0.72	0.341	7.13E-17	12
Sigmar1	2.91E-21	0.369	0.389	0.132	7.23E-17	12
CD4-pAbO (Ab)	3.21E-21	-3.669	0.898	0.88	7.97E-17	12
Rusc1	3.62E-21	0.314	0.446	0.157	8.99E-17	12
Ppp1r2	5.08E-21	0.419	0.828	0.436	1.26E-16	12
Slc25a5	5.53E-21	0.579	0.981	0.684	1.37E-16	12
C5ar1	5.54E-21	-1.863	0.032	0.408	1.38E-16	12
Eif3k	5.71E-21	0.492	0.904	0.498	1.42E-16	12
Limd1	5.96E-21	0.468	0.745	0.362	1.48E-16	12
Far1	6.04E-21	0.300	0.758	0.341	1.50E-16	12
Cnbp	6.29E-21	0.471	0.987	0.78	1.56E-16	12
Ctnnbip1	8.34E-21	0.321	0.325	0.098	2.07E-16	12
Il2rg	8.43E-21	-1.456	0.185	0.524	2.10E-16	12
Isyna1	8.52E-21	0.304	0.586	0.239	2.12E-16	12
Rps19	9.68E-21	0.542	1	0.789	2.40E-16	12
Myo1g	9.82E-21	0.296	0.777	0.376	2.44E-16	12
Sh2b3	1.04E-20	0.305	0.58	0.239	2.58E-16	12
Stx16	1.06E-20	0.314	0.427	0.149	2.63E-16	12
Maf	1.46E-20	-2.052	0.057	0.424	3.62E-16	12
Usf3	1.46E-20	0.252	0.344	0.104	3.62E-16	12
Rpl10a	1.48E-20	0.524	0.968	0.63	3.69E-16	12
Sinhcaf	1.53E-20	0.291	0.382	0.122	3.80E-16	12
Sirpa	1.63E-20	-1.174	0.032	0.402	4.05E-16	12
Gpr132	1.70E-20	0.378	0.975	0.564	4.23E-16	12
Smdt1	1.70E-20	0.402	0.707	0.321	4.23E-16	12
Btg2	1.88E-20	0.377	0.879	0.491	4.67E-16	12
Polr1d	1.99E-20	0.548	0.917	0.59	4.95E-16	12
Set	2.12E-20	0.561	0.975	0.61	5.27E-16	12
Jun	2.20E-20	-2.508	0.363	0.628	5.46E-16	12
Fcer1g	2.32E-20	-1.970	0.904	0.744	5.76E-16	12
Cyb5r4	2.44E-20	0.357	0.624	0.269	6.06E-16	12
Cd63	2.60E-20	-2.135	0.146	0.481	6.47E-16	12
Lrmp	2.93E-20	0.309	0.567	0.231	7.28E-16	12
Pten	3.17E-20	0.605	0.936	0.592	7.87E-16	12
Spcs3	3.31E-20	0.455	0.631	0.282	8.22E-16	12
Elov15	3.52E-20	0.509	0.79	0.419	8.75E-16	12
Spint1	3.56E-20	0.320	0.287	0.078	8.84E-16	12
Mkl1	3.66E-20	0.335	0.42	0.145	9.10E-16	12

Cdc37	3.81E-20	0.425	0.834	0.437	9.46E-16	12
Rp2	3.93E-20	0.364	0.439	0.162	9.75E-16	12
Kcnn4	3.99E-20	0.544	0.745	0.369	9.92E-16	12
Ptpn18	4.14E-20	0.455	0.758	0.364	1.03E-15	12
Sla	4.14E-20	0.303	0.79	0.381	1.03E-15	12
Tox4	4.20E-20	0.377	0.662	0.31	1.04E-15	12
Rpl11	4.49E-20	0.518	0.994	0.774	1.11E-15	12
Rps15a	4.75E-20	0.465	0.987	0.757	1.18E-15	12
Ccdc12	5.10E-20	0.358	0.688	0.318	1.27E-15	12
Lamp1	5.53E-20	-1.876	0.573	0.665	1.37E-15	12
Mrpl52	5.84E-20	0.365	0.758	0.363	1.45E-15	12
Ms4a6d	6.26E-20	-1.646	0.064	0.428	1.56E-15	12
Rab1b	6.52E-20	0.503	0.764	0.4	1.62E-15	12
Ndufb5	6.56E-20	0.341	0.726	0.332	1.63E-15	12
Prkx	6.65E-20	0.413	0.701	0.33	1.65E-15	12
Hsd17b12	6.83E-20	0.417	0.828	0.409	1.70E-15	12
Scp2	7.71E-20	0.472	0.79	0.413	1.91E-15	12
Ppp1ca	7.95E-20	0.565	0.936	0.605	1.97E-15	12
Asah1	9.50E-20	0.408	0.758	0.343	2.36E-15	12
Cyp51	1.06E-19	0.419	0.669	0.291	2.64E-15	12
Pnpo	1.38E-19	0.289	0.299	0.088	3.42E-15	12
Cebpz	1.38E-19	0.392	0.701	0.326	3.43E-15	12
Junb	1.39E-19	-1.463	0.994	0.927	3.44E-15	12
Slc30a4	1.43E-19	0.332	0.261	0.069	3.56E-15	12
Zfp106	1.47E-19	0.316	0.688	0.312	3.64E-15	12
Rab20	1.62E-19	-1.384	0.038	0.403	4.03E-15	12
Pa2g4	1.86E-19	0.511	0.841	0.435	4.63E-15	12
Osm	1.88E-19	-1.884	0.051	0.408	4.68E-15	12
Eif4b	2.08E-19	0.471	0.898	0.511	5.15E-15	12
Ctdsp1	2.20E-19	0.283	0.662	0.301	5.47E-15	12
Rps27rt	2.28E-19	0.489	0.981	0.652	5.67E-15	12
Nfkbiz	2.34E-19	-2.214	0.108	0.45	5.82E-15	12
Ssr2	2.46E-19	0.459	0.803	0.403	6.12E-15	12
Pla2g7	2.73E-19	-1.761	0.025	0.38	6.79E-15	12
Fam168a	2.84E-19	0.366	0.439	0.165	7.06E-15	12
Rpl13	3.61E-19	0.473	1	0.839	8.97E-15	12
Arhgap30	3.72E-19	0.284	0.732	0.355	9.25E-15	12
Pgls	3.89E-19	0.409	0.701	0.332	9.65E-15	12
Dnajc8	4.07E-19	0.468	0.771	0.422	1.01E-14	12
Etv6	4.18E-19	0.385	0.65	0.3	1.04E-14	12
Prmt1	4.26E-19	0.373	0.618	0.28	1.06E-14	12
Nt5c2	4.28E-19	0.306	0.433	0.161	1.06E-14	12
Txn2	4.38E-19	0.445	0.72	0.359	1.09E-14	12
Elmsan1	4.44E-19	0.374	0.643	0.287	1.10E-14	12
Paics	4.45E-19	0.403	0.688	0.319	1.10E-14	12
Slc25a4	4.68E-19	0.480	0.752	0.356	1.16E-14	12

Clec12a	5.09E-19	0.281	0.637	0.26	1.26E-14	12
C3ar1	5.20E-19	-1.670	0.076	0.419	1.29E-14	12
Cfl1	5.46E-19	0.408	1	0.964	1.36E-14	12
Nsf	6.88E-19	0.358	0.637	0.284	1.71E-14	12
Acaa1a	7.40E-19	0.316	0.439	0.168	1.84E-14	12
Inpp5d	7.57E-19	0.346	0.65	0.298	1.88E-14	12
Reep5	7.92E-19	0.535	0.968	0.605	1.97E-14	12
Lrrc8c	8.12E-19	0.419	0.637	0.29	2.02E-14	12
Eif5a	1.05E-18	0.519	1	0.818	2.60E-14	12
Pfdn5	1.05E-18	0.400	0.898	0.504	2.61E-14	12
Zfp800	1.10E-18	0.366	0.541	0.233	2.72E-14	12
Tmem51	1.18E-18	0.319	0.382	0.13	2.94E-14	12
Gnai2	1.33E-18	0.506	0.994	0.795	3.31E-14	12
Bcap29	1.50E-18	0.324	0.478	0.188	3.73E-14	12
S100a6	1.58E-18	-1.618	0.764	0.776	3.92E-14	12
Picalm	1.71E-18	0.575	0.994	0.812	4.25E-14	12
Tor1b	1.74E-18	0.275	0.465	0.181	4.33E-14	12
Vav3	1.95E-18	0.444	0.567	0.25	4.83E-14	12
Plekhj1	1.96E-18	0.262	0.541	0.224	4.86E-14	12
Ctsl	2.02E-18	-2.434	0.223	0.509	5.03E-14	12
Mark3	2.06E-18	0.311	0.541	0.231	5.13E-14	12
Vegfa	2.07E-18	-2.013	0.076	0.419	5.14E-14	12
Gm11361	2.24E-18	0.318	0.65	0.296	5.56E-14	12
Cmpk1	2.25E-18	0.398	0.866	0.455	5.59E-14	12
Zc3h12a	2.43E-18	-1.347	0.121	0.458	6.02E-14	12
Fgfr1op2	2.43E-18	0.335	0.758	0.37	6.03E-14	12
Rpl38	2.48E-18	0.465	1	0.856	6.17E-14	12
Specc1	2.50E-18	0.347	0.395	0.143	6.21E-14	12
Zfp318	2.78E-18	0.368	0.274	0.081	6.92E-14	12
Epb41	2.84E-18	0.312	0.611	0.27	7.07E-14	12
Plekha1	3.01E-18	0.262	0.535	0.222	7.49E-14	12
Hspa8	3.02E-18	0.634	1	0.903	7.50E-14	12
Psmg4	3.57E-18	0.295	0.522	0.218	8.87E-14	12
Atp5f1	3.87E-18	0.504	0.866	0.502	9.60E-14	12
Clec4a2	3.90E-18	-1.209	0.025	0.363	9.68E-14	12
Rps17	4.32E-18	0.507	0.994	0.744	1.07E-13	12
Capzb	4.38E-18	0.474	1	0.776	1.09E-13	12
Aph1a	4.72E-18	0.393	0.688	0.34	1.17E-13	12
Ccrl2	4.73E-18	-2.190	0.166	0.48	1.18E-13	12
Tmem147	4.75E-18	0.259	0.395	0.143	1.18E-13	12
Mospd2	5.67E-18	0.292	0.484	0.196	1.41E-13	12
Cmas	6.75E-18	0.371	0.72	0.364	1.68E-13	12
Pitpna	7.28E-18	0.484	0.962	0.628	1.81E-13	12
Rab11fip1	7.54E-18	0.290	0.898	0.475	1.87E-13	12
Anp32e	8.14E-18	0.326	0.834	0.425	2.02E-13	12
Plin2	8.52E-18	-1.949	0.497	0.628	2.12E-13	12



Mrps15	9.15E-18	0.280	0.503	0.207	2.27E-13	12
Arhgap15	9.64E-18	0.278	0.427	0.162	2.40E-13	12
Prpf2	1.01E-17	0.336	0.318	0.106	2.52E-13	12
Zfp24	1.10E-17	0.283	0.408	0.151	2.73E-13	12
G3bp2	1.10E-17	0.378	0.809	0.417	2.73E-13	12
Rpl27	1.10E-17	0.469	0.994	0.751	2.74E-13	12
Gapdh	1.11E-17	-1.013	1	0.93	2.76E-13	12
Uqcrc2	1.19E-17	0.409	0.732	0.371	2.95E-13	12
Lgmn	1.20E-17	-2.189	0.242	0.513	2.98E-13	12
Ubc	1.24E-17	-1.187	0.994	0.954	3.08E-13	12
Arpc5l	1.28E-17	0.337	0.452	0.183	3.18E-13	12
Rgl1	1.30E-17	-1.363	0.032	0.363	3.24E-13	12
Eif3h	1.39E-17	0.441	0.955	0.608	3.44E-13	12
Gla	1.39E-17	-1.518	0.414	0.641	3.46E-13	12
Cct2	1.52E-17	0.453	0.917	0.533	3.78E-13	12
Maco1	1.57E-17	0.327	0.567	0.249	3.90E-13	12
Plscr1	1.65E-17	0.366	0.471	0.191	4.11E-13	12
Gm10036	1.79E-17	0.291	0.586	0.258	4.46E-13	12
Hyou1	1.81E-17	0.310	0.65	0.3	4.49E-13	12
Wdr43	2.26E-17	0.418	0.611	0.288	5.61E-13	12
H2-K1	2.41E-17	-0.922	0.994	0.947	5.99E-13	12
Gpsm3	2.42E-17	0.362	0.599	0.279	6.00E-13	12
Sdc3	2.70E-17	0.322	0.815	0.381	6.71E-13	12
mt-Nd2	2.74E-17	-1.002	0.987	0.944	6.82E-13	12
Rpl10-ps3	2.75E-17	0.483	0.93	0.601	6.84E-13	12
Usmg5	2.82E-17	0.492	0.936	0.592	7.00E-13	12
Lcp1	3.02E-17	0.436	0.987	0.787	7.49E-13	12
Ptp4a2	3.28E-17	0.431	1	0.788	8.14E-13	12
Mgat2	3.39E-17	0.384	0.713	0.371	8.41E-13	12
Bak1	3.43E-17	0.369	0.694	0.344	8.52E-13	12
S100a4	3.50E-17	-1.574	0.204	0.492	8.68E-13	12
Msr1	3.61E-17	-1.456	0.019	0.343	8.97E-13	12
Eif4h	3.66E-17	0.395	0.898	0.518	9.08E-13	12
Cops2	3.71E-17	0.355	0.662	0.319	9.21E-13	12
Trim30d	3.81E-17	0.321	0.363	0.125	9.48E-13	12
Bfar	3.90E-17	0.307	0.573	0.252	9.68E-13	12
Eif2s2	3.90E-17	0.543	0.962	0.641	9.69E-13	12
Ywhag	4.04E-17	0.439	0.892	0.536	1.00E-12	12
Tapbp	4.37E-17	0.403	0.924	0.553	1.09E-12	12
Cox6c	4.46E-17	0.524	0.987	0.692	1.11E-12	12
Rpl24	4.50E-17	0.468	0.987	0.789	1.12E-12	12
Purb	4.53E-17	0.396	0.898	0.512	1.12E-12	12
Chp1	5.16E-17	0.421	0.879	0.509	1.28E-12	12
Cd300lf	5.28E-17	-1.949	0.089	0.408	1.31E-12	12
Selenop	5.36E-17	-2.955	0.108	0.419	1.33E-12	12
Tnfaip1	5.47E-17	0.291	0.459	0.18	1.36E-12	12

Phb2	5.77E-17	0.366	0.662	0.329	1.43E-12	12
Trim8	6.76E-17	0.356	0.65	0.309	1.68E-12	12
Baz2a	6.91E-17	0.279	0.465	0.188	1.72E-12	12
Mpc1	7.04E-17	0.315	0.682	0.326	1.75E-12	12
Gadd45b	7.70E-17	-1.798	0.306	0.579	1.91E-12	12
Cd14	8.47E-17	-2.269	0.503	0.65	2.10E-12	12
Spop	8.78E-17	0.396	0.758	0.401	2.18E-12	12
Setd7	9.32E-17	0.279	0.325	0.109	2.31E-12	12
Clec4a1	1.03E-16	-1.124	0.013	0.33	2.56E-12	12
Rpl27-ps3	1.05E-16	0.323	0.815	0.424	2.60E-12	12
Gpr65	1.15E-16	0.578	0.72	0.389	2.87E-12	12
Cltb	1.18E-16	0.255	0.529	0.227	2.94E-12	12
Ndst2	1.19E-16	0.254	0.357	0.125	2.95E-12	12
Emilin2	1.30E-16	-1.663	0.382	0.589	3.24E-12	12
Cstb	1.31E-16	-1.650	0.879	0.794	3.26E-12	12
Rbm47	1.41E-16	0.399	0.739	0.374	3.51E-12	12
Tmem173	1.45E-16	0.393	0.535	0.235	3.60E-12	12
S100a10	1.52E-16	-1.441	0.65	0.702	3.78E-12	12
Snx17	1.55E-16	0.313	0.541	0.242	3.84E-12	12
Zmiz2	1.71E-16	0.325	0.541	0.243	4.24E-12	12
Srp72	1.73E-16	0.427	0.752	0.422	4.31E-12	12
Ii18	1.78E-16	0.309	0.28	0.088	4.43E-12	12
Nudc	2.03E-16	0.335	0.656	0.314	5.04E-12	12
Trappc4	2.17E-16	0.311	0.51	0.229	5.39E-12	12
Mob1a	2.18E-16	0.420	0.911	0.541	5.41E-12	12
Copz1	2.22E-16	0.353	0.771	0.402	5.51E-12	12
Tbc1d9	2.24E-16	0.318	0.688	0.331	5.57E-12	12
Rnf4	2.37E-16	0.337	0.873	0.474	5.90E-12	12
Irs2	2.40E-16	-1.406	0.134	0.436	5.96E-12	12
Evi2a	2.43E-16	0.404	0.497	0.22	6.04E-12	12
Vti1b	2.48E-16	0.295	0.618	0.294	6.15E-12	12
Rpl19	2.51E-16	0.455	0.994	0.769	6.23E-12	12
Ctdnep1	2.61E-16	0.297	0.739	0.372	6.49E-12	12
Ftl1-ps1	2.68E-16	-1.289	0.955	0.824	6.66E-12	12
Snrpf	2.73E-16	0.369	0.854	0.448	6.79E-12	12
Gar1	2.87E-16	0.262	0.344	0.121	7.12E-12	12
Dhcr24	2.93E-16	0.288	0.395	0.145	7.27E-12	12
Ppt2	3.05E-16	0.348	0.452	0.191	7.59E-12	12
Lhfpl2	3.21E-16	-2.090	0.089	0.394	7.97E-12	12
Ube2n	3.34E-16	0.360	0.93	0.555	8.31E-12	12
Eif3b	3.36E-16	0.370	0.854	0.452	8.35E-12	12
Kif21b	3.38E-16	0.253	0.401	0.151	8.41E-12	12
Cct4	3.48E-16	0.456	0.847	0.48	8.64E-12	12
Tlnrd1	3.58E-16	0.608	0.573	0.283	8.90E-12	12
Mthfd2	3.63E-16	0.350	0.567	0.256	9.02E-12	12
Hipk2	3.85E-16	0.264	0.446	0.177	9.57E-12	12

Dock8	4.07E-16	0.272	0.599	0.273	1.01E-11	12
Rbbp8	4.22E-16	0.355	0.65	0.311	1.05E-11	12
Nomol	4.37E-16	0.265	0.299	0.101	1.09E-11	12
Clec4e	4.54E-16	-2.437	0.038	0.348	1.13E-11	12
Eif5b	4.55E-16	0.482	0.936	0.623	1.13E-11	12
Tpp1	5.70E-16	-1.111	0.108	0.411	1.42E-11	12
Pdcd2l	5.80E-16	0.251	0.344	0.123	1.44E-11	12
Caprin1	5.97E-16	0.388	0.828	0.452	1.48E-11	12
Mrps7	6.02E-16	0.259	0.382	0.147	1.50E-11	12
Npepl1	6.61E-16	0.293	0.452	0.191	1.64E-11	12
Ap1b1	6.65E-16	0.290	0.522	0.227	1.65E-11	12
Rpl7l1	6.65E-16	0.250	0.573	0.259	1.65E-11	12
Gm10269	6.79E-16	0.266	0.605	0.286	1.69E-11	12
Lrp1	6.81E-16	-1.023	0.045	0.354	1.69E-11	12
Ugcg	7.63E-16	-1.251	0.217	0.502	1.89E-11	12
Cox4i1	7.64E-16	0.468	0.987	0.709	1.90E-11	12
Tsnax	7.83E-16	0.281	0.325	0.117	1.94E-11	12
Rnf187	8.10E-16	0.280	0.631	0.295	2.01E-11	12
Cited2	8.32E-16	-1.709	0.248	0.521	2.07E-11	12
Pcbp2	8.38E-16	0.441	0.981	0.803	2.08E-11	12
Hspa14	9.45E-16	0.316	0.535	0.243	2.35E-11	12
Nars	9.49E-16	0.411	0.854	0.491	2.36E-11	12
Atp5a1	1.01E-15	0.475	0.981	0.669	2.51E-11	12
Asap1	1.01E-15	0.273	0.497	0.216	2.52E-11	12
Atp5mpl	1.05E-15	0.402	0.847	0.461	2.61E-11	12
Cdc42se2	1.07E-15	0.261	0.675	0.327	2.65E-11	12
Snx10	1.10E-15	0.414	0.618	0.302	2.72E-11	12
Laptm5	1.15E-15	0.374	1	0.858	2.85E-11	12
C1qb	1.21E-15	-3.081	0.115	0.402	3.01E-11	12
Eif3i	1.22E-15	0.416	0.796	0.433	3.03E-11	12
Cct8	1.26E-15	0.389	0.885	0.519	3.12E-11	12
Rplp2	1.27E-15	0.392	0.994	0.859	3.15E-11	12
Dnajc7	1.28E-15	0.312	0.732	0.387	3.19E-11	12
1-Mar.1	1.40E-15	0.282	0.268	0.085	3.47E-11	12
Clec4a3	1.48E-15	-0.951	0.013	0.313	3.67E-11	12
Zfp703	1.85E-15	-1.364	0.268	0.521	4.59E-11	12
Msmo1	1.88E-15	0.457	0.548	0.257	4.68E-11	12
Mrc1	1.88E-15	-1.794	0.038	0.339	4.68E-11	12
Me2	1.93E-15	0.314	0.516	0.233	4.79E-11	12
Ctsa	2.14E-15	-1.493	0.408	0.567	5.32E-11	12
Cd47	2.38E-15	0.508	0.955	0.64	5.92E-11	12
Pptc7	2.48E-15	0.280	0.433	0.178	6.17E-11	12
Rpe	2.53E-15	0.272	0.306	0.109	6.29E-11	12
Lst1	2.71E-15	-1.009	0.032	0.33	6.72E-11	12
Sdc4	2.84E-15	-1.455	0.248	0.525	7.05E-11	12
Abca1	2.88E-15	-1.202	0.013	0.31	7.17E-11	12

Scd2	3.16E-15	0.408	0.503	0.223	7.85E-11	12
Glul	3.23E-15	-1.434	0.357	0.578	8.01E-11	12
Gpat4	3.35E-15	0.360	0.573	0.286	8.33E-11	12
Rell1	3.38E-15	0.378	0.541	0.256	8.39E-11	12
Cdkn1b	4.27E-15	0.295	0.809	0.448	1.06E-10	12
Nop14	4.56E-15	0.282	0.51	0.229	1.13E-10	12
Tnfrsf1a	4.57E-15	0.290	0.637	0.319	1.13E-10	12
Atp6v0e	4.68E-15	0.387	0.975	0.673	1.16E-10	12
Ii7r	5.10E-15	-1.650	0.076	0.366	1.27E-10	12
Rab6a	5.10E-15	0.451	0.828	0.499	1.27E-10	12
Hsp90ab1	5.17E-15	0.356	1	0.883	1.28E-10	12
Cd180	5.28E-15	0.536	0.465	0.211	1.31E-10	12
Glud1	5.31E-15	0.486	0.892	0.558	1.32E-10	12
Cyb5a	5.38E-15	0.305	0.745	0.389	1.34E-10	12
Rpl12	5.56E-15	0.401	0.994	0.757	1.38E-10	12
Apobec1	5.66E-15	-1.038	0.032	0.328	1.41E-10	12
Eif1	5.71E-15	-0.617	0.987	0.944	1.42E-10	12
Snx18	5.87E-15	-1.165	0.223	0.494	1.46E-10	12
Apoe	5.89E-15	-3.788	0.299	0.515	1.46E-10	12
Ube2f	5.99E-15	0.269	0.675	0.342	1.49E-10	12
Ccndbp1	6.64E-15	0.324	0.471	0.21	1.65E-10	12
Nol7	6.84E-15	0.285	0.688	0.346	1.70E-10	12
Arpc1b	7.03E-15	0.415	1	0.831	1.75E-10	12
Rpn1	7.32E-15	0.288	0.643	0.306	1.82E-10	12
Hnrnpul2	7.40E-15	0.310	0.854	0.46	1.84E-10	12
Tpm3-rs7	7.47E-15	0.277	0.624	0.316	1.86E-10	12
Ppp1r15b	8.02E-15	0.306	0.841	0.483	1.99E-10	12
Efhd2	8.05E-15	0.401	0.987	0.744	2.00E-10	12
Cfap36	8.11E-15	0.297	0.357	0.138	2.02E-10	12
Srsf9	8.31E-15	0.348	0.662	0.338	2.06E-10	12
Psmc3	8.36E-15	0.417	0.688	0.358	2.08E-10	12
Usp8	9.07E-15	0.295	0.573	0.276	2.25E-10	12
Sec61b	9.31E-15	0.474	0.943	0.596	2.31E-10	12
Arhgdia	9.42E-15	0.470	0.955	0.717	2.34E-10	12
Pak1ip1	9.91E-15	0.280	0.688	0.356	2.46E-10	12
Plau	9.93E-15	-1.505	0.019	0.307	2.47E-10	12
Lyn	9.98E-15	0.347	0.892	0.503	2.48E-10	12
Igbp1	1.22E-14	0.301	0.65	0.32	3.02E-10	12
Eif4ebp2	1.44E-14	0.293	0.809	0.438	3.59E-10	12
Tomm70a	1.49E-14	0.252	0.535	0.248	3.71E-10	12
Actr2	1.51E-14	0.452	0.962	0.697	3.75E-10	12
Fbxo11	1.55E-14	0.281	0.758	0.408	3.84E-10	12
Fcgr1	1.57E-14	-1.117	0.057	0.344	3.91E-10	12
Fam117b	1.67E-14	0.329	0.777	0.421	4.14E-10	12
Nedd8	1.76E-14	0.388	0.879	0.526	4.37E-10	12
Shc1	1.81E-14	0.260	0.567	0.272	4.51E-10	12

Wnk1	1.87E-14	0.446	0.962	0.708	4.64E-10	12
Vasp	1.88E-14	0.268	0.949	0.638	4.67E-10	12
Gnb2	1.88E-14	0.437	0.911	0.575	4.67E-10	12
Slfn5	1.95E-14	0.602	0.611	0.307	4.84E-10	12
Ube2e1	2.01E-14	0.251	0.51	0.232	4.99E-10	12
Timp2	2.07E-14	-1.500	0.025	0.308	5.13E-10	12
Gda	2.61E-14	-1.389	0.108	0.396	6.49E-10	12
Slk	2.79E-14	0.282	0.86	0.518	6.92E-10	12
Mapk1ip1l	2.92E-14	0.350	0.758	0.429	7.26E-10	12
Atp5h	2.95E-14	0.389	0.962	0.623	7.34E-10	12
Dapk1	2.96E-14	0.278	0.376	0.15	7.35E-10	12
Ftl1	3.03E-14	-1.224	0.994	0.963	7.52E-10	12
Ago2	3.06E-14	0.263	0.866	0.532	7.60E-10	12
Rbmx1l	3.08E-14	0.263	0.573	0.273	7.66E-10	12
Rps2	3.18E-14	0.415	1	0.795	7.91E-10	12
Tep1	3.30E-14	0.251	0.414	0.173	8.20E-10	12
Rer1	3.45E-14	0.273	0.701	0.358	8.58E-10	12
Mrps14	3.48E-14	0.275	0.548	0.257	8.66E-10	12
Cox7b	3.60E-14	0.427	0.93	0.559	8.94E-10	12
Ywhaq	3.68E-14	0.347	0.873	0.484	9.14E-10	12
Ndufa3	3.76E-14	0.348	0.815	0.465	9.33E-10	12
Rheb	3.93E-14	0.344	0.815	0.463	9.77E-10	12
Acat1	4.02E-14	0.261	0.439	0.193	9.98E-10	12
Pes1	4.05E-14	0.276	0.42	0.181	1.01E-09	12
Ccl2	4.10E-14	-2.152	0.057	0.335	1.02E-09	12
Slc38a1	4.10E-14	0.262	0.86	0.504	1.02E-09	12
Mapk1	4.35E-14	0.365	0.809	0.473	1.08E-09	12
Swi5	4.44E-14	0.380	0.758	0.421	1.10E-09	12
Pkm	4.96E-14	-0.916	0.975	0.843	1.23E-09	12
Snrpe	5.01E-14	0.350	0.93	0.566	1.24E-09	12
Erh	5.06E-14	0.291	0.745	0.388	1.26E-09	12
Pltp	5.15E-14	-1.481	0.013	0.288	1.28E-09	12
Phf10	5.22E-14	0.274	0.478	0.217	1.30E-09	12
Scarb2	5.89E-14	0.273	0.682	0.346	1.46E-09	12
Plcg2	5.97E-14	0.287	0.573	0.27	1.48E-09	12
Fau	6.01E-14	0.335	1	0.905	1.49E-09	12
Rgcc	6.58E-14	-1.449	0.115	0.388	1.63E-09	12
Slc35b1	6.66E-14	0.399	0.605	0.308	1.66E-09	12
Eif3c	7.10E-14	0.384	0.924	0.557	1.76E-09	12
Atg3	7.12E-14	0.297	0.599	0.311	1.77E-09	12
Sdf2l1	7.79E-14	0.424	0.643	0.33	1.93E-09	12
Glpr1	8.39E-14	0.411	0.662	0.347	2.08E-09	12
Ssfa2	9.15E-14	0.292	0.732	0.395	2.27E-09	12
Llph	1.09E-13	0.287	0.803	0.421	2.70E-09	12
Atmin	1.17E-13	0.261	0.408	0.17	2.90E-09	12
Atp5g2	1.17E-13	0.434	0.981	0.628	2.91E-09	12

Tomm22	1.18E-13	0.262	0.732	0.389	2.92E-09	12
Rab5if	1.18E-13	0.397	0.643	0.361	2.93E-09	12
Ncf2	1.36E-13	-1.272	0.229	0.471	3.38E-09	12
G3bp1	1.41E-13	0.444	0.93	0.676	3.51E-09	12
Cops9	1.46E-13	0.330	0.822	0.449	3.62E-09	12
Rps12-ps3	1.52E-13	0.369	0.943	0.608	3.79E-09	12
Gpx1	1.62E-13	0.330	0.981	0.683	4.02E-09	12
Atp2c1	1.69E-13	0.259	0.42	0.18	4.19E-09	12
Sirpb1c	1.76E-13	-0.946	0.006	0.272	4.38E-09	12
Ninj1	2.08E-13	-0.983	0.134	0.406	5.18E-09	12
Vdr	2.19E-13	0.422	0.433	0.186	5.43E-09	12
Ndufab1	2.63E-13	0.364	0.707	0.385	6.54E-09	12
Tomm7	2.77E-13	0.383	0.962	0.611	6.89E-09	12
Celf2	2.90E-13	0.366	0.885	0.554	7.19E-09	12
Spag9	2.90E-13	0.340	0.962	0.682	7.21E-09	12
Sp100	2.91E-13	0.297	0.796	0.451	7.22E-09	12
Xbp1	3.00E-13	0.335	0.828	0.495	7.46E-09	12
Ms4a6b	3.30E-13	-0.801	0.025	0.291	8.19E-09	12
Ifitm2	3.47E-13	0.470	0.943	0.621	8.63E-09	12
Aimp1	3.57E-13	0.297	0.567	0.28	8.87E-09	12
Ube2m	3.63E-13	0.281	0.701	0.373	9.01E-09	12
C1qc	3.68E-13	-2.758	0.115	0.369	9.13E-09	12
Ttc7	3.71E-13	0.299	0.446	0.201	9.22E-09	12
Phlda1	3.87E-13	-1.847	0.248	0.483	9.61E-09	12
Ccr5	4.04E-13	-1.249	0.255	0.496	1.00E-08	12
Crem	4.20E-13	0.270	0.911	0.615	1.04E-08	12
Creld2	4.22E-13	0.420	0.541	0.274	1.05E-08	12
Hspa4	4.37E-13	0.303	0.904	0.526	1.09E-08	12
Oxct1	4.48E-13	0.362	0.688	0.344	1.11E-08	12
Eef2	4.65E-13	0.351	0.994	0.811	1.15E-08	12
Stt3a	4.76E-13	0.281	0.669	0.348	1.18E-08	12
Pfdn2	4.88E-13	0.255	0.675	0.351	1.21E-08	12
Nfe2l2	5.17E-13	0.393	0.911	0.566	1.28E-08	12
Selenot	5.51E-13	0.285	0.834	0.466	1.37E-08	12
Eif2s3x	6.10E-13	0.292	0.752	0.416	1.52E-08	12
Ptges3	6.25E-13	0.347	0.911	0.571	1.55E-08	12
Socs3	6.27E-13	-1.442	0.197	0.453	1.56E-08	12
Ppp1r15a	6.75E-13	-1.562	0.471	0.616	1.68E-08	12
Efr3a	7.02E-13	0.313	0.592	0.31	1.74E-08	12
Ndufa13	7.08E-13	0.303	0.758	0.425	1.76E-08	12
Cd164	7.24E-13	-1.146	0.548	0.633	1.80E-08	12
Gm9844	7.84E-13	0.333	0.86	0.508	1.95E-08	12
Ptgs2	8.29E-13	-2.700	0.038	0.296	2.06E-08	12
2310022A10Rik	9.39E-13	-0.812	0.051	0.314	2.33E-08	12
Ecm1	9.88E-13	-0.961	0.038	0.298	2.45E-08	12
Papd4	1.01E-12	0.290	0.503	0.249	2.50E-08	12

Ezr	1.05E-12	0.362	0.975	0.705	2.60E-08	12
Cdc5l	1.10E-12	0.309	0.822	0.504	2.72E-08	12
F10	1.12E-12	-1.164	0.006	0.258	2.78E-08	12
Gfpt1	1.21E-12	0.345	0.701	0.396	3.00E-08	12
Fkbp4	1.22E-12	0.252	0.529	0.259	3.02E-08	12
Rgs1	1.35E-12	-1.673	0.376	0.597	3.34E-08	12
Atp5g3	1.45E-12	0.440	0.981	0.664	3.61E-08	12
Ywhah	1.54E-12	0.392	0.943	0.624	3.84E-08	12
Ms4a7	1.56E-12	-1.655	0.006	0.256	3.87E-08	12
Ptp4a1	1.60E-12	-0.967	0.783	0.768	3.97E-08	12
Irak1	1.65E-12	0.281	0.701	0.385	4.10E-08	12
Rbpj	1.68E-12	0.328	0.917	0.583	4.17E-08	12
Hmgcs1	1.72E-12	0.323	0.497	0.239	4.28E-08	12
Rtn4	1.94E-12	0.365	0.955	0.618	4.81E-08	12
Sgms2	1.97E-12	-1.272	0.019	0.272	4.89E-08	12
Klf6	1.99E-12	-0.928	0.892	0.851	4.94E-08	12
Plac8	2.03E-12	0.259	0.599	0.3	5.03E-08	12
Rab8a	2.05E-12	0.292	0.662	0.353	5.10E-08	12
Cd84	2.28E-12	-0.990	0.089	0.342	5.68E-08	12
Tnf	2.36E-12	-1.939	0.076	0.33	5.86E-08	12
Ndufa9	2.57E-12	0.257	0.529	0.261	6.38E-08	12
C1qa	2.65E-12	-2.126	0.038	0.286	6.57E-08	12
Lima1	2.87E-12	0.353	0.414	0.188	7.12E-08	12
Ap2b1	2.94E-12	0.289	0.65	0.347	7.31E-08	12
C1qbp	3.61E-12	0.276	0.369	0.163	8.96E-08	12
Ola1	3.64E-12	0.257	0.599	0.307	9.05E-08	12
Gosr2	3.75E-12	0.287	0.548	0.285	9.30E-08	12
Cyp4f18	3.76E-12	-1.888	0.019	0.265	9.35E-08	12
Mapre2	3.81E-12	0.280	0.777	0.425	9.47E-08	12
Cd93	4.00E-12	-0.949	0.013	0.256	9.93E-08	12
Cacybp	4.01E-12	0.268	0.643	0.342	9.96E-08	12
Slc11a1	4.19E-12	-1.127	0.134	0.375	1.04E-07	12
Adgre1	4.28E-12	-1.185	0.057	0.304	1.06E-07	12
Vdac2	4.29E-12	0.310	0.917	0.554	1.07E-07	12
Clec4n	4.37E-12	-1.128	0.038	0.285	1.09E-07	12
Tnfrsf1b	5.03E-12	-1.187	0.395	0.568	1.25E-07	12
Rpl37a	5.15E-12	0.363	1	0.859	1.28E-07	12
H2-T23	5.25E-12	0.259	0.866	0.5	1.30E-07	12
Pak2	6.08E-12	0.324	0.93	0.609	1.51E-07	12
Fcgr4	6.10E-12	-1.050	0.038	0.281	1.52E-07	12
Serf2	6.20E-12	0.356	0.968	0.658	1.54E-07	12
Psmb2	6.41E-12	0.338	0.841	0.509	1.59E-07	12
Igsf6	6.76E-12	-0.768	0.013	0.253	1.68E-07	12
Atp5e	6.83E-12	0.368	0.962	0.646	1.70E-07	12
Arid4b	7.28E-12	0.428	0.822	0.542	1.81E-07	12
Emb	7.32E-12	-1.700	0.376	0.546	1.82E-07	12

Slc16a10	7.41E-12	-0.793	0.038	0.286	1.84E-07	12
Cenpa	7.76E-12	0.251	0.611	0.317	1.93E-07	12
Sec61g	7.79E-12	0.433	1	0.696	1.94E-07	12
Rbm3	7.88E-12	0.410	0.975	0.702	1.96E-07	12
F13a1	7.92E-12	-1.579	0.032	0.273	1.97E-07	12
Rplp0	8.62E-12	0.337	0.987	0.83	2.14E-07	12
Myc	9.99E-12	0.281	0.287	0.109	2.48E-07	12
Eef1d	1.01E-11	0.313	0.904	0.544	2.50E-07	12
Gm10076	1.02E-11	0.309	0.879	0.54	2.53E-07	12
Prdx5	1.02E-11	-1.292	0.51	0.595	2.54E-07	12
Idi1	1.23E-11	0.470	0.471	0.236	3.06E-07	12
Raph1	1.29E-11	-0.984	0.096	0.344	3.20E-07	12
Myl6	1.29E-11	0.299	0.987	0.841	3.21E-07	12
Egr1	1.32E-11	-2.787	0.229	0.462	3.27E-07	12
Mif	1.35E-11	-1.228	0.389	0.537	3.36E-07	12
Ranbp1	1.43E-11	0.301	0.669	0.357	3.56E-07	12
Pitpnc1	1.86E-11	-0.935	0.051	0.291	4.63E-07	12
Cct5	1.89E-11	0.300	0.822	0.48	4.68E-07	12
Eif1a	1.95E-11	0.255	0.834	0.501	4.85E-07	12
Sertad1	2.10E-11	-0.822	0.089	0.334	5.22E-07	12
Got1	2.19E-11	0.250	0.924	0.642	5.44E-07	12
Itgb1	2.26E-11	0.299	0.93	0.565	5.60E-07	12
Slc6a6	2.65E-11	0.297	0.93	0.576	6.57E-07	12
Sh3kbp1	2.66E-11	-1.018	0.229	0.443	6.61E-07	12
Ets1	2.68E-11	-1.487	0.019	0.25	6.66E-07	12
1700017B05Rik	3.19E-11	-1.254	0.197	0.423	7.93E-07	12
Brk1	3.26E-11	0.327	0.841	0.496	8.09E-07	12
Tlr2	3.31E-11	-0.997	0.045	0.278	8.23E-07	12
Tfg	3.38E-11	0.288	0.662	0.368	8.40E-07	12
Xdh	3.61E-11	-0.699	0.032	0.267	8.96E-07	12
mt-Cytb	3.66E-11	-0.805	1	0.966	9.10E-07	12
2-Sep	3.78E-11	0.305	0.783	0.45	9.38E-07	12
Cdv3	3.81E-11	0.279	0.752	0.424	9.46E-07	12
Uqcrh	3.84E-11	0.335	0.987	0.712	9.54E-07	12
Mapre1	3.87E-11	0.308	0.917	0.62	9.62E-07	12
Ppp3r1	3.99E-11	0.269	0.745	0.41	9.92E-07	12
Tagln2	4.00E-11	0.419	0.994	0.743	9.93E-07	12
Slc25a11	4.19E-11	0.258	0.522	0.271	1.04E-06	12
Dad1	4.20E-11	0.302	0.911	0.576	1.04E-06	12
Baz1a	4.23E-11	0.302	0.873	0.551	1.05E-06	12
Samsn1	4.43E-11	-1.863	0.306	0.513	1.10E-06	12
Tax1bp1	4.60E-11	0.306	0.962	0.728	1.14E-06	12
Elk3	5.00E-11	-0.635	0.045	0.277	1.24E-06	12
Tor1aip1	5.77E-11	0.256	0.866	0.546	1.43E-06	12
Pabpc1	6.05E-11	0.308	0.994	0.931	1.50E-06	12
Slc2a1	6.07E-11	-1.332	0.293	0.484	1.51E-06	12



Dhrs3	6.53E-11	-0.762	0.038	0.265	1.62E-06	12
Arf5	6.81E-11	0.342	0.917	0.613	1.69E-06	12
Capza1	7.16E-11	0.292	0.949	0.618	1.78E-06	12
Coro1b	7.36E-11	0.262	0.643	0.366	1.83E-06	12
Uqcr11	7.97E-11	0.275	0.701	0.378	1.98E-06	12
Ostc	8.12E-11	0.267	0.675	0.388	2.02E-06	12
Naca	9.08E-11	0.328	0.955	0.638	2.26E-06	12
Apmap	9.11E-11	0.256	0.357	0.164	2.26E-06	12
Tor1aip2	9.52E-11	0.263	0.783	0.479	2.36E-06	12
Mtdh	1.01E-10	0.298	0.79	0.488	2.50E-06	12
Larp1	1.17E-10	0.273	0.72	0.423	2.92E-06	12
Tmem258	1.20E-10	0.319	0.847	0.499	2.99E-06	12
Psmb4	1.25E-10	0.284	0.879	0.539	3.10E-06	12
Npm1	1.34E-10	0.264	0.994	0.8	3.33E-06	12
Mia2	1.43E-10	0.253	0.796	0.476	3.55E-06	12
Hspd1	1.45E-10	0.370	0.771	0.463	3.61E-06	12
Tnfaip2	1.56E-10	-1.083	0.115	0.343	3.88E-06	12
Cox6a1	1.74E-10	0.358	0.987	0.67	4.32E-06	12
Atf4	1.74E-10	-0.909	0.962	0.877	4.32E-06	12
Ssr3	1.80E-10	0.387	0.955	0.645	4.48E-06	12
Pcyt1a	2.58E-10	-1.123	0.255	0.462	6.41E-06	12
Hsp90b1	2.62E-10	0.404	0.987	0.784	6.52E-06	12
Fkbp1a	2.99E-10	0.332	0.854	0.549	7.42E-06	12
Slc15a3	3.05E-10	-1.104	0.325	0.5	7.59E-06	12
Slc39a1	3.67E-10	0.258	0.713	0.406	9.11E-06	12
Canx	3.75E-10	0.387	0.968	0.671	9.31E-06	12
Tmed10	4.04E-10	0.323	0.924	0.581	1.00E-05	12
Samhd1	4.14E-10	0.382	0.904	0.631	1.03E-05	12
Tmem189	4.24E-10	-1.170	0.605	0.627	1.05E-05	12
Mpp1	5.56E-10	-0.800	0.108	0.328	1.38E-05	12
Ccl3	6.75E-10	-3.802	0.102	0.316	1.68E-05	12
Tmsb10	7.23E-10	0.297	1	0.821	1.80E-05	12
Eps8	8.27E-10	0.289	0.675	0.384	2.05E-05	12
Hsph1	9.23E-10	0.334	0.732	0.44	2.29E-05	12
Eeal	9.74E-10	-1.207	0.293	0.483	2.42E-05	12
Osbpl8	1.16E-09	-1.043	0.376	0.523	2.88E-05	12
Ndufa10	1.34E-09	0.254	0.605	0.336	3.34E-05	12
Cflar	1.39E-09	-1.138	0.484	0.593	3.45E-05	12
Sdcbp	1.43E-09	-0.828	0.949	0.815	3.56E-05	12
Fam111a	1.43E-09	-0.779	0.057	0.272	3.56E-05	12
Atp6v1c1	1.78E-09	-0.964	0.268	0.444	4.41E-05	12
Uqcrb	2.15E-09	0.314	0.904	0.572	5.34E-05	12
Csrnp1	2.26E-09	-1.273	0.841	0.768	5.62E-05	12
Selenow	2.78E-09	0.270	0.911	0.622	6.91E-05	12
Cxcr4	2.93E-09	-1.175	0.726	0.738	7.29E-05	12
Bnip3	3.48E-09	-1.219	0.102	0.304	8.65E-05	12

mt-Atp6	3.51E-09	-0.626	1	0.984	8.72E-05	12
Srrm1	3.84E-09	0.266	0.949	0.687	9.54E-05	12
Xist	4.19E-09	-1.018	0.866	0.806	0.000104199	12
Hnrnpa2b1	4.45E-09	0.273	0.994	0.85	0.000110506	12
Atf3	4.90E-09	-1.264	0.306	0.483	0.000121716	12
Calm2	5.07E-09	-0.792	0.841	0.748	0.00012605	12
Dnmt3a	5.33E-09	-0.763	0.07	0.271	0.000132515	12
Dab2	5.83E-09	-1.316	0.261	0.431	0.000144912	12
Rsrp1	6.12E-09	-1.072	0.885	0.773	0.000152099	12
Tceal9	6.28E-09	-0.812	0.223	0.419	0.00015593	12
Ifi2712a	6.67E-09	-1.190	0.376	0.534	0.000165771	12
Tuba1c	7.12E-09	-1.082	0.796	0.725	0.000176783	12
Cd68	7.33E-09	-1.683	0.803	0.636	0.000182112	12
Tent5a	8.81E-09	-1.472	0.21	0.404	0.000218845	12
Tcp1	9.50E-09	0.263	0.809	0.503	0.000235995	12
mt-Nd4	9.97E-09	-0.664	1	0.963	0.000247639	12
Slc38a2	1.00E-08	-0.884	0.879	0.782	0.000249106	12
Lcp2	1.08E-08	-0.767	0.096	0.292	0.000269297	12
Lgals8	1.20E-08	-0.574	0.064	0.261	0.000297578	12
Ifi204	1.25E-08	-0.753	0.115	0.324	0.000311131	12
Kdm6b	1.34E-08	-1.137	0.866	0.809	0.000332148	12
Noct	1.43E-08	-1.061	0.191	0.38	0.00035467	12
Map1lc3b	1.96E-08	-0.737	0.822	0.734	0.000487159	12
Isg15	2.30E-08	-1.406	0.172	0.366	0.000570395	12
Dusp1	2.46E-08	-1.599	0.739	0.737	0.000611837	12
Eno1	3.96E-08	-1.080	0.758	0.659	0.000984184	12
B4galt1	3.97E-08	-0.955	0.338	0.473	0.00098522	12
Hexim1	4.08E-08	-1.153	0.726	0.714	0.001013303	12
Ero1l	4.09E-08	-1.553	0.331	0.47	0.001015064	12
B4galt5	4.58E-08	-1.009	0.363	0.477	0.001136454	12
Arf6	5.12E-08	0.268	0.981	0.715	0.001270686	12
BC005537	5.85E-08	-0.805	0.79	0.718	0.001454196	12
Slc9a3r1	5.86E-08	-0.822	0.312	0.472	0.001454824	12
mt-Nd1	6.48E-08	-0.640	1	0.954	0.001609394	12
Cndp2	7.26E-08	-1.138	0.408	0.481	0.001802122	12
Ralgds	7.49E-08	-0.684	0.083	0.264	0.001860767	12
Mtpn	7.97E-08	0.269	0.904	0.585	0.001980169	12
Stx11	8.64E-08	-1.231	0.223	0.385	0.00214561	12
Hnrnpa3	1.08E-07	0.272	0.943	0.691	0.002675917	12
Cdt1	1.11E-07	-0.776	0.14	0.317	0.002756346	12
Arid5b	1.24E-07	-1.111	0.115	0.295	0.003082012	12
Pdia6	1.26E-07	0.269	0.783	0.48	0.003140044	12
Msrbl	1.28E-07	-1.175	0.331	0.457	0.003174854	12
mt-Nd5	1.39E-07	-0.679	0.987	0.908	0.003447293	12
Mindy1	1.51E-07	-0.705	0.096	0.274	0.003748631	12
Bhlhe40	1.52E-07	-1.020	0.701	0.702	0.003764738	12

Gas2l3	1.69E-07	-0.768	0.185	0.363	0.004191502	12
Cbx4	1.71E-07	-0.846	0.153	0.331	0.004257198	12
Atp5g1	1.76E-07	0.264	0.828	0.508	0.004359631	12
Fndc3b	2.34E-07	-0.711	0.153	0.332	0.005812527	12
Ly6a	2.45E-07	-1.530	0.172	0.339	0.00609419	12
Cln8	2.68E-07	-0.738	0.178	0.341	0.006665851	12
Slc43a2	2.70E-07	-0.580	0.083	0.252	0.006706789	12
Mxd1	2.76E-07	-1.011	0.592	0.696	0.006867126	12
Flcn	2.81E-07	-0.910	0.433	0.537	0.006971924	12
Arl4c	2.90E-07	-1.145	0.682	0.683	0.007209247	12
Txnip	2.98E-07	-1.122	0.191	0.352	0.007392643	12
Rpl29	3.38E-07	0.274	0.962	0.723	0.008401395	12
Ube2l3	3.62E-07	0.251	0.943	0.663	0.008983164	12
Zfp361l1	3.63E-07	-1.226	0.478	0.57	0.009028487	12
Rhoa	3.68E-07	0.258	0.987	0.754	0.009137739	12
Tmem106a	3.90E-07	-0.621	0.146	0.314	0.009693086	12
Zfand2a	3.95E-07	-0.812	0.217	0.38	0.009807306	12
Ms4a4c	4.28E-07	-1.102	0.134	0.296	0.010622791	12
App	4.61E-07	-1.258	0.752	0.606	0.011453024	12
Dgkz	5.56E-07	-0.728	0.121	0.287	0.013804857	12
Rabgef1	6.46E-07	-0.913	0.287	0.427	0.016042641	12
Calr	7.53E-07	0.292	1	0.87	0.018694845	12
Mapk6	7.86E-07	-0.942	0.516	0.564	0.019511561	12
Rac1	7.99E-07	0.266	0.987	0.744	0.019854115	12
Atf7ip	8.28E-07	-0.921	0.153	0.314	0.020565556	12
Dennd5b	9.34E-07	-0.405	0.261	0.119	0.023193047	12
Zfand5	9.92E-07	-0.929	0.72	0.683	0.024627917	12
Impdh1	1.18E-06	-0.536	0.089	0.251	0.029217514	12
Jund	1.20E-06	-0.677	0.975	0.917	0.029824971	12
Aldoa	1.49E-06	-0.878	0.981	0.814	0.037048126	12
Cox8a	1.85E-06	0.261	0.981	0.757	0.046075657	12
Rbms1	1.95E-06	-0.837	0.745	0.669	0.048328899	12
Grina	2.12E-06	-1.346	0.408	0.492	0.052773191	12
Cox7c	2.35E-06	0.254	0.994	0.731	0.058372068	12
Fundc2	2.44E-06	-0.522	0.166	0.32	0.060681236	12
Gadd45a	2.56E-06	-1.479	0.121	0.276	0.063702918	12
Gadd45g	2.64E-06	-1.013	0.108	0.261	0.065468619	12
Man1a	2.87E-06	-0.611	0.261	0.406	0.07140488	12
Slc16a3	2.99E-06	-0.643	0.108	0.261	0.074176577	12
Myo5a	3.04E-06	-0.663	0.204	0.347	0.075508545	12
Chka	3.17E-06	-1.129	0.357	0.463	0.078806782	12
Smad7	4.68E-06	-1.017	0.255	0.391	0.116152565	12
Serinc3	5.95E-06	-0.836	0.93	0.787	0.147699239	12
Gde1	6.81E-06	-0.761	0.178	0.313	0.169245238	12
Rab1a	7.16E-06	-0.593	0.885	0.746	0.177731711	12
Rhog	8.54E-06	-0.581	0.943	0.789	0.212243848	12

Plk2	8.66E-06	-1.072	0.127	0.274	0.215206672	12
Atp6v1b2	9.23E-06	-0.948	0.739	0.623	0.229195693	12
Nlrp3	9.49E-06	-2.209	0.459	0.508	0.235599141	12
Hk1	9.81E-06	-0.497	0.108	0.254	0.243720556	12
Atp6v1a	9.88E-06	-1.068	0.611	0.577	0.245287987	12
Ypel3	1.27E-05	-0.742	0.14	0.281	0.315185464	12
Gpnmb	1.38E-05	-1.961	0.121	0.257	0.342762477	12
Sat1	1.41E-05	-0.881	0.968	0.838	0.351345241	12
Socs1	1.64E-05	-0.644	0.115	0.261	0.406397654	12
Gng5	1.79E-05	-0.641	0.803	0.668	0.444076991	12
Cks2	1.97E-05	-0.956	0.293	0.397	0.489798455	12
Macf1	2.25E-05	-0.757	0.338	0.443	0.559504281	12
Tnfsf12	2.31E-05	-0.470	0.121	0.255	0.574582788	12
Fcgr2b	2.33E-05	-1.563	0.58	0.516	0.578009456	12
AI504432	2.34E-05	0.253	0.35	0.207	0.582315552	12
Maff	2.36E-05	-1.075	0.312	0.417	0.585212085	12
Irf2bp2	2.39E-05	-0.888	0.465	0.526	0.594225982	12
Mcl1	2.47E-05	-0.537	1	0.892	0.614112437	12
Impact	2.55E-05	-0.764	0.242	0.363	0.633079331	12
Tpi1	2.86E-05	-0.991	0.611	0.57	0.709552973	12
H2-Q4	3.10E-05	-0.945	0.522	0.543	0.770920065	12
Ddit4	3.16E-05	-1.013	0.166	0.297	0.784875658	12
Litaf	3.21E-05	-0.603	0.93	0.819	0.798447532	12
Plekhm2	3.46E-05	-0.669	0.21	0.338	0.859475647	12
Cers6	3.58E-05	-0.556	0.14	0.272	0.888388596	12
Rac2	3.64E-05	-0.953	0.592	0.586	0.904666541	12
Jak1	5.57E-05	-0.732	0.739	0.673	1	12
Cd36	6.09E-05	-0.527	0.414	0.231	1	12
Rap2b	6.30E-05	-0.736	0.299	0.401	1	12
Fnip1	6.34E-05	-0.772	0.529	0.56	1	12
Emp1	6.39E-05	-1.168	0.433	0.48	1	12
Cyfip1	6.94E-05	-0.577	0.261	0.365	1	12
Flrt3	7.68E-05	-1.178	0.191	0.316	1	12
Gsr	7.84E-05	-1.012	0.159	0.279	1	12
Azin1	7.97E-05	-0.899	0.637	0.601	1	12
Neu1	8.01E-05	-0.519	0.172	0.305	1	12
Cebpa	8.12E-05	-0.880	0.255	0.358	1	12
Rybp	8.30E-05	-0.931	0.573	0.568	1	12
Il17ra	9.63E-05	-0.619	0.159	0.289	1	12
Mdfic	9.76E-05	-0.496	0.172	0.295	1	12
Cln3	0.00010391	-0.287	0.586	0.367	1	12
Sde2	0.00010893	-0.908	0.401	0.472	1	12
Cd274	0.00011502	-0.932	0.331	0.433	1	12
Cltc	0.00011641	-0.498	0.949	0.791	1	12
Bag3	0.00011721	-0.727	0.357	0.432	1	12
Srsf2	0.00012741	-0.532	0.968	0.858	1	12

Slc3a2	0.00016321	-0.510	0.936	0.81	1	12
Tpd52	0.00017503	-0.945	0.815	0.635	1	12
Slc7a8	0.00017514	-0.807	0.223	0.321	1	12
H2afj	0.00017782	-0.583	0.287	0.389	1	12
H2-D1	0.00018198	-0.343	1	0.966	1	12
Ccl4	0.00019867	-2.823	0.217	0.329	1	12
Parp14	0.00024341	-0.517	0.14	0.265	1	12
Ms4a6c	0.0002437	-1.151	0.459	0.474	1	12
Ramp3	0.0002566	-0.321	0.414	0.241	1	12
Zcchc2	0.00026638	-0.679	0.185	0.292	1	12
Soat1	0.00026809	-0.786	0.446	0.468	1	12
Actn4	0.0002734	-0.693	0.707	0.608	1	12
Malt1	0.00033053	-0.948	0.414	0.463	1	12
Abcg1	0.00034026	-0.577	0.21	0.319	1	12
Mat2a	0.00034859	-0.806	0.561	0.58	1	12
Pfkfb3	0.00036592	-0.891	0.242	0.335	1	12
Card19	0.00037948	-0.980	0.554	0.527	1	12
Fus	0.00038166	-0.542	0.975	0.839	1	12
Kdm2b	0.00041826	-0.354	0.408	0.238	1	12
Ptpn22	0.0004449	-0.440	0.439	0.257	1	12
Tcp11l2	0.00044695	-0.754	0.197	0.303	1	12
mt-Nd3	0.00045072	-0.635	0.962	0.845	1	12
Adam9	0.00045914	-0.543	0.299	0.374	1	12
Syk	0.0004678	-0.860	0.522	0.524	1	12
Samd8	0.00046949	-0.549	0.172	0.275	1	12
Eaf1	0.00049332	-0.546	0.306	0.391	1	12
Ostf1	0.00052883	-0.635	0.777	0.658	1	12
Zfp52	0.0005369	-0.718	0.229	0.325	1	12
Gpx4	0.0005757	-0.655	0.535	0.528	1	12
Bri3	0.00059899	-0.586	0.389	0.444	1	12
Npc1	0.00060732	-0.625	0.325	0.4	1	12
Tiparp	0.0006185	-1.036	0.656	0.587	1	12
Eno1b	0.00062658	-0.630	0.331	0.389	1	12
Ndrp1	0.00063143	-0.317	0.701	0.445	1	12
mt-Co3	0.00068955	-0.484	1	0.962	1	12
Vsir	0.00077302	-0.655	0.299	0.369	1	12
mt-Nd4l	0.00078959	-0.662	0.949	0.81	1	12
Oser1	0.00080213	-0.582	0.376	0.453	1	12
Prdm2	0.00082588	-0.791	0.49	0.524	1	12
Mrps6	0.00084299	-0.478	0.159	0.267	1	12
Rbm39	0.0009429	-0.527	0.955	0.883	1	12
mt-Co2	0.00095174	-0.438	1	0.994	1	12
Tank	0.00103171	-0.530	0.229	0.324	1	12
Nfkbid	0.00107223	-1.032	0.21	0.296	1	12
Galnt6	0.0010818	-0.452	0.146	0.25	1	12
Cerk	0.0012091	-0.485	0.153	0.25	1	12

Ddx5	0.00126379	-0.340	0.994	0.954	1	12
CD8a-pAbO (Ab)	0.00126888	-1.908	0.745	0.706	1	12
Slbp	0.00131727	-0.620	0.395	0.451	1	12
Foxo1	0.00136571	-0.683	0.172	0.265	1	12
Tyropb	0.00137465	-0.609	0.981	0.713	1	12
Dnajb9	0.00149524	-0.873	0.675	0.613	1	12
Dusp2	0.00155299	-0.526	0.669	0.44	1	12
Ier5	0.00156694	-0.963	0.847	0.748	1	12
Il10rb	0.00158973	-0.870	0.516	0.487	1	12
Pde4b	0.00161079	-0.842	0.586	0.562	1	12
Nfkb1	0.00181389	-0.807	0.669	0.641	1	12
Mdm2	0.00187957	-1.021	0.752	0.635	1	12
Pcna	0.00188158	-0.611	0.771	0.664	1	12
Mt2	0.00227543	-0.331	0.72	0.521	1	12
Il21r	0.00229219	-0.798	0.166	0.25	1	12
Cdk11b	0.0024417	-0.288	0.694	0.472	1	12
Marcks11	0.00251523	-1.399	0.573	0.556	1	12
Topors	0.00283749	-0.653	0.414	0.452	1	12
Tgfb1	0.00285318	-0.507	0.166	0.254	1	12
Atp6v1h	0.00285909	-0.716	0.478	0.471	1	12
Neur13	0.00288866	-0.909	0.331	0.396	1	12
Adam15	0.00289376	-0.539	0.268	0.326	1	12
Itgav	0.00292377	-0.852	0.325	0.386	1	12
Entpd1	0.00298994	-0.726	0.255	0.34	1	12
AW112010	0.00300722	-1.316	0.306	0.357	1	12
Cot11	0.00302732	-0.566	0.892	0.687	1	12
Atp6v1e1	0.00304866	-0.700	0.713	0.601	1	12
Vmp1	0.00328252	-0.722	0.49	0.533	1	12
Denr	0.00333714	-0.566	0.325	0.393	1	12
Tcf4	0.003422	-0.525	0.21	0.297	1	12
Tcirg1	0.00342755	-0.772	0.516	0.494	1	12
Hspa1b	0.00355589	-1.303	0.624	0.591	1	12
Ptpn12	0.00387556	-0.478	0.166	0.253	1	12
Swap70	0.00405652	-0.574	0.204	0.283	1	12
Tmem65	0.00412755	-0.435	0.204	0.288	1	12
Nfat5	0.00424632	-0.788	0.414	0.445	1	12
Irf2bpl	0.00425645	-0.669	0.268	0.335	1	12
Gm3839	0.0047558	-0.481	0.35	0.399	1	12
Notch1	0.00483571	-0.568	0.172	0.253	1	12
Dhx40	0.0053036	-0.739	0.268	0.34	1	12
Sidt2	0.00565189	-0.506	0.178	0.257	1	12
Selenok	0.00589552	-0.484	0.809	0.692	1	12
Dir2	0.00594777	-0.478	0.21	0.287	1	12
Mfsd1	0.00601479	-0.598	0.408	0.422	1	12
Gtf2b	0.00611516	-0.634	0.42	0.44	1	12
Gm42418	0.0061842	-0.536	0.981	0.908	1	12

Arhgap45	0.00619775	-0.296	0.624	0.421	1	12
Lgals9	0.00687213	-0.502	0.306	0.373	1	12
Map3k8	0.00692087	-0.558	0.178	0.254	1	12
Wsb1	0.00701228	-0.715	0.739	0.617	1	12
Lasp1	0.0070828	-0.795	0.745	0.637	1	12
Zfp36l2	0.00712324	-0.627	0.866	0.769	1	12
Gmfg	0.00725401	-0.598	0.357	0.401	1	12
Smim3	0.00729304	-0.352	0.713	0.495	1	12
Mapk3	0.00732664	-0.506	0.306	0.352	1	12
Mmp19	0.00753194	-1.049	0.299	0.354	1	12
Abl2	0.00908363	-0.613	0.331	0.375	1	12
Ppp1cc	0.00925927	-0.742	0.49	0.468	1	12
Rbbp6	0.00990991	-0.632	0.854	0.723	1	12
Ly6d	0	2.497	0.481	0.002	0	13
Ms4a1	0	2.063	0.325	0.001	0	13
Ighd	0	1.888	0.351	0.002	0	13
Pou2af1	0	1.797	0.325	0.002	0	13
Cd19	0	1.598	0.286	0	0	13
Mzb1	0	1.455	0.312	0.001	0	13
Iglc3	0	1.392	0.39	0.001	0	13
Gm21762	0	1.304	0.312	0.001	0	13
Siglech	1.28E-228	3.860	0.403	0.007	3.18E-224	13
Cd79a	6.08E-201	3.357	0.481	0.013	1.51E-196	13
Tnfrsf13c	3.21E-170	1.650	0.325	0.006	7.97E-166	13
Ebf1	1.18E-167	2.350	0.377	0.01	2.93E-163	13
Cd300c	5.73E-162	1.129	0.273	0.004	1.42E-157	13
Fcrla	3.44E-140	1.404	0.429	0.016	8.54E-136	13
Atp2a1	2.55E-124	0.846	0.273	0.007	6.33E-120	13
Spib	2.78E-123	2.245	0.403	0.017	6.90E-119	13
Scd1	1.85E-118	2.385	0.455	0.023	4.60E-114	13
Ccr9	3.34E-118	4.306	0.403	0.018	8.29E-114	13
Atp1b1	1.11E-114	2.233	0.416	0.019	2.75E-110	13
Ighm	5.68E-112	5.001	0.909	0.129	1.41E-107	13
Rpgrip1	9.74E-95	1.209	0.312	0.013	2.42E-90	13
Bank1	1.89E-94	1.955	0.325	0.014	4.68E-90	13
Cox6a2	5.65E-91	1.799	0.325	0.015	1.40E-86	13
Cmah	1.94E-83	1.579	0.39	0.024	4.83E-79	13
Igkc	2.13E-82	5.757	0.701	0.093	5.28E-78	13
Mctp2	2.23E-78	0.683	0.26	0.011	5.53E-74	13
Bcl11a	4.13E-63	1.828	0.377	0.031	1.03E-58	13
Sell	2.36E-48	2.281	0.623	0.115	5.85E-44	13
Cd7	1.14E-44	1.927	0.364	0.04	2.84E-40	13
Epcam	2.66E-38	0.949	0.286	0.029	6.61E-34	13
Blnk	1.33E-32	1.731	0.649	0.194	3.31E-28	13
Gm5547	2.58E-31	0.979	0.312	0.042	6.41E-27	13
Cxxc5	5.63E-31	1.221	0.364	0.057	1.40E-26	13

Clec2i	1.63E-30	0.907	0.312	0.043	4.05E-26	13
Cd55	9.52E-30	1.133	0.26	0.031	2.36E-25	13
Rps27	6.28E-29	1.431	0.987	0.902	1.56E-24	13
Mef2c	9.33E-29	2.155	0.545	0.147	2.32E-24	13
Sla2	4.17E-28	0.917	0.312	0.045	1.04E-23	13
Cd79b	2.16E-27	1.663	0.26	0.034	5.36E-23	13
Ablim1	7.32E-27	1.699	0.506	0.122	1.82E-22	13
Fosl2	1.02E-26	-2.426	0.117	0.782	2.53E-22	13
Klra17	1.04E-26	0.825	0.273	0.037	2.58E-22	13
Gpr18	2.54E-25	0.812	0.26	0.036	6.30E-21	13
Satb1	1.11E-24	1.789	0.532	0.141	2.75E-20	13
Lilr4b	2.59E-24	-2.568	0.091	0.734	6.44E-20	13
Rps24	6.74E-24	1.032	0.987	0.869	1.68E-19	13
Tubgcp5	2.26E-23	0.822	0.26	0.039	5.61E-19	13
Efhd2	8.20E-23	-2.148	0.234	0.756	2.04E-18	13
Dusp1	2.55E-22	-2.713	0.13	0.745	6.34E-18	13
Cstb	2.63E-22	-2.574	0.325	0.802	6.54E-18	13
Prkcb	2.70E-22	1.258	0.481	0.135	6.70E-18	13
Cd14	2.93E-22	-3.493	0.039	0.654	7.29E-18	13
Klf6	9.55E-22	-2.026	0.403	0.857	2.37E-17	13
Vim	1.38E-21	-2.263	0.61	0.87	3.42E-17	13
Rpl31	1.60E-21	1.392	0.948	0.843	3.97E-17	13
Adam8	5.81E-21	-2.290	0.091	0.677	1.44E-16	13
Ivns1abp	6.34E-21	1.521	0.766	0.415	1.58E-16	13
Serinc3	8.52E-21	1.136	0.974	0.789	2.12E-16	13
Rab8b	8.91E-21	-1.872	0.26	0.77	2.21E-16	13
Gimap6	2.05E-20	1.083	0.416	0.098	5.10E-16	13
Kmt2e	2.99E-20	1.425	0.909	0.682	7.43E-16	13
Ripor2	3.39E-20	0.962	0.325	0.063	8.43E-16	13
Tcf4	4.27E-20	2.238	0.636	0.291	1.06E-15	13
Cebpb	5.28E-20	-2.338	0.364	0.786	1.31E-15	13
Plin2	6.27E-20	-2.524	0.078	0.632	1.56E-15	13
Eif2ak3	1.18E-19	1.174	0.468	0.141	2.92E-15	13
Rps14	1.33E-19	0.900	0.974	0.866	3.30E-15	13
Arl4c	1.71E-19	-2.250	0.13	0.689	4.25E-15	13
Lgals3	2.77E-19	-2.498	0.442	0.817	6.88E-15	13
P2ry10	3.01E-19	1.403	0.701	0.273	7.48E-15	13
Ifrd1	3.51E-19	-1.928	0.468	0.868	8.71E-15	13
Sub1	4.62E-19	1.464	0.896	0.703	1.15E-14	13
Sdcbp	1.78E-18	-1.686	0.494	0.822	4.42E-14	13
Ier3	1.82E-18	-3.067	0.065	0.61	4.51E-14	13
Fxyd5	1.87E-18	-1.638	0.312	0.767	4.65E-14	13
Emilin2	3.13E-18	-2.197	0.052	0.59	7.77E-14	13
Ppp1r16b	3.18E-18	0.946	0.416	0.107	7.91E-14	13
Cdkn1a	3.48E-18	-1.849	0.299	0.77	8.64E-14	13
Rps9	5.11E-18	0.789	0.987	0.915	1.27E-13	13



Rps13	5.23E-18	0.845	0.987	0.869	1.30E-13	13
Rps3a1	5.92E-18	0.886	0.987	0.84	1.47E-13	13
Basp1	6.12E-18	-2.666	0.325	0.732	1.52E-13	13
Kdm1b	6.40E-18	0.762	0.286	0.059	1.59E-13	13
Anxa2	7.14E-18	-1.907	0.247	0.722	1.77E-13	13
Cxcl2	7.39E-18	-4.812	0.169	0.664	1.84E-13	13
Plac8	8.67E-18	1.590	0.675	0.303	2.15E-13	13
Id2	1.46E-17	-2.132	0.286	0.75	3.62E-13	13
Fam214a	1.60E-17	0.709	0.26	0.05	3.98E-13	13
Pkm	1.71E-17	-1.510	0.584	0.849	4.26E-13	13
Rps8	1.73E-17	0.807	0.987	0.872	4.29E-13	13
Hvcn1	2.60E-17	1.213	0.351	0.091	6.47E-13	13
Mdm2	4.64E-17	-1.936	0.143	0.643	1.15E-12	13
Foxp1	5.32E-17	1.321	0.753	0.421	1.32E-12	13
S100a10	6.18E-17	-1.951	0.286	0.706	1.54E-12	13
Rnase6	6.42E-17	1.325	0.325	0.08	1.59E-12	13
S100a6	6.76E-17	-2.048	0.429	0.779	1.68E-12	13
mt-Nd5	7.75E-17	0.916	1	0.909	1.92E-12	13
Nfatc3	1.15E-16	1.529	0.597	0.257	2.85E-12	13
Cd37	1.35E-16	1.166	0.662	0.312	3.35E-12	13
Rgs1	1.86E-16	-2.800	0.104	0.597	4.62E-12	13
Tgfbi	1.91E-16	-2.772	0.013	0.52	4.74E-12	13
Gpr171	3.43E-16	1.356	0.442	0.146	8.52E-12	13
Mt1	4.78E-16	-1.672	0.338	0.776	1.19E-11	13
App	6.47E-16	-2.122	0.182	0.614	1.61E-11	13
Fcgr3	6.68E-16	-2.110	0.013	0.51	1.66E-11	13
Bzw1	6.78E-16	1.094	0.857	0.64	1.69E-11	13
Ccr1	8.16E-16	-2.473	0.013	0.514	2.03E-11	13
Slco4a1	8.65E-16	0.649	0.26	0.052	2.15E-11	13
Ifitm2	9.92E-16	-1.835	0.169	0.635	2.46E-11	13
Ccl6	1.04E-15	-3.601	0.065	0.547	2.57E-11	13
S100a11	1.35E-15	-1.553	0.468	0.811	3.35E-11	13
Csf2ra	1.38E-15	-1.650	0.143	0.618	3.42E-11	13
Fos	2.69E-15	-2.528	0.143	0.624	6.69E-11	13
Txn1	2.80E-15	-1.408	0.558	0.835	6.95E-11	13
Slfn2	3.10E-15	-1.749	0.312	0.736	7.69E-11	13
Rpl5	3.70E-15	0.805	0.974	0.809	9.20E-11	13
Kmo	3.81E-15	0.540	0.26	0.055	9.47E-11	13
Rps20	4.54E-15	0.855	0.974	0.847	1.13E-10	13
Il1rn	6.19E-15	-3.483	0.052	0.522	1.54E-10	13
Slc44a2	6.99E-15	1.730	0.558	0.268	1.74E-10	13
Lrp8	9.38E-15	1.183	0.26	0.058	2.33E-10	13
Thbs1	1.21E-14	-4.222	0.104	0.552	3.00E-10	13
Ftl1	1.42E-14	-1.712	0.974	0.963	3.53E-10	13
Rpl35a	1.51E-14	0.706	0.974	0.864	3.76E-10	13
Itgam	1.77E-14	-2.052	0.026	0.493	4.39E-10	13

Gapdh	2.81E-14	-1.258	0.87	0.932	6.99E-10	13
Rgs2	2.85E-14	-2.264	0.312	0.721	7.08E-10	13
Rpl30	3.09E-14	0.795	0.974	0.806	7.67E-10	13
Ctsd	3.38E-14	-2.214	0.182	0.59	8.40E-10	13
Ifitm3	3.59E-14	-2.377	0.117	0.563	8.92E-10	13
Fam43a	4.15E-14	1.025	0.273	0.065	1.03E-09	13
Ccl9	6.61E-14	-2.763	0.013	0.462	1.64E-09	13
Lyz2	6.62E-14	-4.000	0.208	0.607	1.65E-09	13
Rps28	7.76E-14	0.663	0.987	0.891	1.93E-09	13
Pfn1	8.18E-14	-1.024	0.74	0.863	2.03E-09	13
Tgm2	8.94E-14	-2.167	0.013	0.466	2.22E-09	13
Rps27rt	9.14E-14	1.014	0.857	0.657	2.27E-09	13
Cnbp	1.20E-13	1.004	0.948	0.784	2.97E-09	13
Nlrp3	1.42E-13	-2.611	0.052	0.512	3.52E-09	13
Wfdc17	1.49E-13	-2.228	0.065	0.515	3.71E-09	13
Cd63	1.71E-13	-2.200	0.039	0.478	4.25E-09	13
Rpl17	1.84E-13	0.759	1	0.897	4.56E-09	13
Ppp1r15a	1.85E-13	-1.471	0.169	0.618	4.59E-09	13
S100a4	2.10E-13	-1.751	0.052	0.491	5.21E-09	13
mt-Nd4	2.12E-13	0.548	1	0.963	5.26E-09	13
Smox	2.98E-13	-1.702	0.13	0.58	7.39E-09	13
Fnip2	3.35E-13	-1.740	0.104	0.543	8.33E-09	13
Fcer1g	3.60E-13	-1.615	0.455	0.752	8.94E-09	13
H2-Ob	3.64E-13	1.217	0.273	0.071	9.05E-09	13
Nfil3	3.87E-13	-1.420	0.156	0.596	9.62E-09	13
Tubb6	4.29E-13	-1.322	0.065	0.507	1.07E-08	13
Pgk1	4.52E-13	-1.585	0.377	0.727	1.12E-08	13
Hmox1	4.70E-13	-2.933	0.156	0.554	1.17E-08	13
Fabp5	5.25E-13	-2.863	0.117	0.539	1.30E-08	13
Card19	5.69E-13	-1.489	0.091	0.533	1.41E-08	13
Ftl1-ps1	5.92E-13	-1.503	0.662	0.829	1.47E-08	13
Hsp90ab1	5.93E-13	1.087	1	0.885	1.47E-08	13
Eno1	6.00E-13	-1.565	0.299	0.665	1.49E-08	13
Stk17b	6.40E-13	1.321	0.844	0.625	1.59E-08	13
Rpl12	6.89E-13	0.846	0.974	0.761	1.71E-08	13
Cndp2	7.07E-13	-1.409	0.039	0.484	1.76E-08	13
Pmepal	7.07E-13	1.277	0.519	0.225	1.76E-08	13
Rps4x	7.39E-13	0.764	0.961	0.793	1.84E-08	13
Ets2	7.63E-13	-1.482	0.156	0.621	1.90E-08	13
Rps15a	8.66E-13	0.779	0.948	0.761	2.15E-08	13
Ms4a6d	8.80E-13	-1.814	0	0.424	2.18E-08	13
Anxa1	1.23E-12	-1.831	0.013	0.434	3.06E-08	13
Rps3	1.27E-12	0.680	0.987	0.858	3.16E-08	13
Mafb	1.67E-12	-2.397	0.026	0.442	4.15E-08	13
Tifa	1.71E-12	1.172	0.338	0.111	4.25E-08	13
Por	1.79E-12	-1.361	0.091	0.535	4.44E-08	13

Rnf149	2.00E-12	-1.681	0.39	0.748	4.98E-08	13
Clec4d	2.05E-12	-2.739	0.013	0.43	5.10E-08	13
Tnfrsf1b	2.24E-12	-1.368	0.143	0.569	5.56E-08	13
Anxa5	2.67E-12	-1.324	0.234	0.624	6.64E-08	13
Rpl7	2.79E-12	0.737	0.948	0.777	6.94E-08	13
Tspan13	2.91E-12	1.694	0.649	0.4	7.22E-08	13
Csf1r	3.05E-12	-1.551	0.026	0.446	7.56E-08	13
Stard5	3.45E-12	0.876	0.286	0.08	8.57E-08	13
Metrl1	3.65E-12	-1.300	0.039	0.448	9.08E-08	13
Emp1	3.75E-12	-2.115	0.091	0.484	9.32E-08	13
Ptpn22	4.04E-12	0.585	0.39	0.121	1.00E-07	13
Ccr12	4.07E-12	-2.299	0.078	0.478	1.01E-07	13
Itga5	4.50E-12	-1.588	0.052	0.462	1.12E-07	13
Plbd1	4.66E-12	-1.615	0.052	0.463	1.16E-07	13
Fem1c	4.81E-12	-1.175	0.208	0.662	1.19E-07	13
Atf3	5.94E-12	-1.817	0.065	0.484	1.48E-07	13
Ero11b	6.13E-12	1.166	0.455	0.192	1.52E-07	13
Rps25	6.60E-12	0.671	0.974	0.847	1.64E-07	13
Fosb	7.75E-12	-1.880	0.351	0.715	1.93E-07	13
Eif4e	7.76E-12	-1.523	0.338	0.68	1.93E-07	13
Rabgap11	8.67E-12	0.996	0.39	0.14	2.15E-07	13
Hilpda	9.66E-12	-2.112	0.221	0.618	2.40E-07	13
Tfrc	1.01E-11	1.101	0.545	0.263	2.50E-07	13
Rhob	1.04E-11	-1.979	0.143	0.546	2.57E-07	13
Smc6	1.23E-11	1.648	0.597	0.357	3.05E-07	13
Ets1	1.26E-11	0.680	0.584	0.24	3.12E-07	13
Fam107b	1.29E-11	1.194	0.792	0.517	3.21E-07	13
Ptp4a2	1.50E-11	0.942	0.922	0.792	3.72E-07	13
Rps5	1.55E-11	0.803	0.974	0.8	3.85E-07	13
Rab11fip1	1.62E-11	-1.327	0.078	0.49	4.03E-07	13
Rps16	1.70E-11	0.745	0.987	0.86	4.21E-07	13
mt-Co1	1.73E-11	0.316	1	0.994	4.30E-07	13
Gla	1.74E-11	-1.451	0.234	0.64	4.31E-07	13
Man2a2	1.85E-11	0.927	0.312	0.097	4.58E-07	13
Dab2	1.86E-11	-1.684	0.026	0.431	4.63E-07	13
Pip5k1c	2.04E-11	0.998	0.727	0.546	5.06E-07	13
Atox1	2.46E-11	-1.121	0.143	0.544	6.11E-07	13
Junb	2.52E-11	-1.240	0.753	0.93	6.27E-07	13
Irf4	2.88E-11	1.055	0.286	0.085	7.16E-07	13
mt-Atp6	3.04E-11	0.387	1	0.984	7.56E-07	13
Aldoa	3.16E-11	-1.344	0.584	0.821	7.86E-07	13
Glrx	3.31E-11	-1.486	0.13	0.525	8.21E-07	13
Lasp1	3.76E-11	-1.185	0.247	0.645	9.33E-07	13
Cd274	3.92E-11	-1.408	0.039	0.435	9.73E-07	13
Rpl4	4.10E-11	0.758	0.974	0.787	1.02E-06	13
Cxcl16	4.50E-11	-1.438	0.013	0.4	1.12E-06	13

C3ar1	5.09E-11	-1.689	0.039	0.415	1.26E-06	13
Cd9	5.12E-11	-1.935	0.091	0.469	1.27E-06	13
Atp2a3	5.35E-11	0.740	0.364	0.126	1.33E-06	13
Rpl8	5.37E-11	0.729	0.961	0.766	1.33E-06	13
mt-Nd3	5.93E-11	0.749	1	0.846	1.47E-06	13
Chd4	6.62E-11	0.979	0.831	0.659	1.64E-06	13
Rps7	6.83E-11	0.806	0.961	0.799	1.70E-06	13
Slc11a1	6.96E-11	-1.306	0	0.374	1.73E-06	13
Osm	7.59E-11	-1.866	0.026	0.404	1.88E-06	13
Csrnp1	8.50E-11	-1.472	0.468	0.774	2.11E-06	13
Cd68	8.79E-11	-1.780	0.351	0.644	2.18E-06	13
Fgl2	9.05E-11	-1.495	0.052	0.423	2.25E-06	13
Lpgat1	9.12E-11	1.517	0.429	0.201	2.27E-06	13
Phlda1	1.00E-10	-1.616	0.078	0.482	2.49E-06	13
Rab20	1.08E-10	-1.399	0.026	0.398	2.69E-06	13
Abhd17b	1.35E-10	1.422	0.519	0.28	3.36E-06	13
Cflar	1.37E-10	-1.306	0.221	0.595	3.41E-06	13
Macf1	1.47E-10	1.292	0.662	0.438	3.64E-06	13
Pla2g7	1.54E-10	-1.767	0.013	0.376	3.83E-06	13
Ostf1	1.59E-10	-1.097	0.299	0.665	3.95E-06	13
mt-Co2	1.72E-10	0.333	1	0.994	4.28E-06	13
Picalm	1.87E-10	-0.983	0.61	0.819	4.64E-06	13
Cst3	1.96E-10	-1.932	0.623	0.795	4.86E-06	13
Rnh1	2.07E-10	-1.146	0.221	0.594	5.14E-06	13
Traf4	2.19E-10	0.438	0.26	0.071	5.45E-06	13
Clec4a2	2.20E-10	-1.222	0	0.359	5.47E-06	13
Hmgn1	2.33E-10	0.968	0.584	0.322	5.78E-06	13
Msrb1	2.38E-10	-1.311	0.078	0.459	5.91E-06	13
Rps6	2.61E-10	0.587	0.961	0.832	6.47E-06	13
Nr4a2	2.61E-10	-1.193	0.117	0.516	6.48E-06	13
Crip1	2.74E-10	-1.334	0.364	0.686	6.81E-06	13
Myl6	2.77E-10	-0.880	0.701	0.846	6.87E-06	13
Gda	2.85E-10	-1.492	0.026	0.393	7.09E-06	13
Tnfaip3	3.16E-10	-1.491	0.286	0.651	7.84E-06	13
Ubb	3.26E-10	-0.804	0.948	0.983	8.10E-06	13
Aif1	3.55E-10	-1.420	0.052	0.412	8.83E-06	13
Rell1	3.85E-10	1.840	0.481	0.26	9.55E-06	13
mt-Co3	4.39E-10	0.394	1	0.963	1.09E-05	13
Anxa4	4.45E-10	-1.162	0.065	0.422	1.10E-05	13
P2ry14	4.49E-10	0.956	0.325	0.118	1.12E-05	13
C5ar1	4.96E-10	-1.752	0.052	0.403	1.23E-05	13
Ncf2	5.07E-10	-1.238	0.091	0.47	1.26E-05	13
Ninj1	5.39E-10	-1.109	0.052	0.403	1.34E-05	13
mt-Nd4l	5.49E-10	0.692	0.961	0.812	1.36E-05	13
mt-Cytb	5.51E-10	0.408	1	0.967	1.37E-05	13
Rab1a	5.82E-10	-1.033	0.545	0.752	1.45E-05	13

Rpl21	6.41E-10	0.768	0.935	0.768	1.59E-05	13
Lhfp12	6.48E-10	-2.071	0.039	0.391	1.61E-05	13
Zfp703	6.67E-10	-1.165	0.143	0.52	1.66E-05	13
Mcl1	6.87E-10	-0.952	0.818	0.895	1.71E-05	13
Rpl36a	7.02E-10	0.919	0.909	0.688	1.74E-05	13
Nfkbia	7.61E-10	-1.673	0.519	0.826	1.89E-05	13
Jdp2	8.21E-10	-1.280	0.091	0.457	2.04E-05	13
Lztf11	8.38E-10	0.748	0.312	0.11	2.08E-05	13
Rbpj	9.73E-10	-1.082	0.247	0.595	2.42E-05	13
Eps8	1.03E-09	-1.158	0.039	0.396	2.56E-05	13
Ptma	1.03E-09	0.605	1	0.929	2.56E-05	13
Pde7a	1.11E-09	0.545	0.299	0.099	2.77E-05	13
St8sia4	1.23E-09	1.331	0.532	0.3	3.05E-05	13
Havcr2	1.26E-09	-1.023	0	0.337	3.14E-05	13
Rpl23	1.29E-09	0.523	0.987	0.916	3.20E-05	13
Cd300lf	1.50E-09	-1.928	0.065	0.404	3.72E-05	13
C1qb	1.51E-09	-2.952	0.065	0.399	3.74E-05	13
Fkbp1a	1.61E-09	-0.959	0.208	0.56	3.99E-05	13
Lmna	1.69E-09	-1.321	0.299	0.618	4.20E-05	13
Itgb2	1.91E-09	-1.153	0.429	0.705	4.74E-05	13
Hspa1b	1.97E-09	-0.983	0.26	0.596	4.90E-05	13
Rps11	2.22E-09	0.620	0.961	0.829	5.52E-05	13
Anxa11	2.32E-09	-1.078	0.182	0.537	5.75E-05	13
Isg15	2.38E-09	-1.558	0.026	0.366	5.90E-05	13
Cd164	2.74E-09	1.004	0.753	0.629	6.82E-05	13
Lst1	2.77E-09	-1.036	0	0.327	6.87E-05	13
Clec4a1	2.80E-09	-1.127	0	0.327	6.95E-05	13
Cd84	2.97E-09	-1.086	0.013	0.34	7.38E-05	13
Lair1	2.99E-09	1.205	0.364	0.153	7.42E-05	13
Sdc4	3.12E-09	0.931	0.74	0.515	7.75E-05	13
Ly6c2	3.21E-09	2.536	0.429	0.206	7.97E-05	13
Aplar	3.26E-09	0.875	0.325	0.127	8.11E-05	13
Mmp19	3.29E-09	-1.674	0.026	0.356	8.18E-05	13
Mt2	3.59E-09	-1.132	0.156	0.53	8.92E-05	13
Rplp2	3.60E-09	0.570	0.987	0.86	8.94E-05	13
Mif	3.80E-09	-1.208	0.195	0.537	9.43E-05	13
Maf	4.03E-09	-1.737	0.078	0.419	0.000100075	13
Tnfaip2	4.05E-09	-1.215	0.013	0.341	0.000100518	13
Eef1a1	4.26E-09	0.508	1	0.953	0.000105901	13
Lrp1	4.39E-09	-1.041	0.026	0.35	0.000109049	13
Lamp1	5.13E-09	-1.357	0.416	0.665	0.00012731	13
Gas2l3	5.47E-09	-0.929	0.026	0.363	0.000135817	13
Ms4a6c	5.97E-09	-1.583	0.156	0.478	0.000148299	13
Rps15	6.04E-09	0.597	0.948	0.814	0.000149967	13
Tcf12	6.07E-09	0.975	0.416	0.2	0.000150724	13
Got1	6.17E-09	-1.140	0.325	0.652	0.000153141	13

Ly6e	6.23E-09	0.752	0.935	0.736	0.000154737	13
Bcl2l1	6.52E-09	-0.970	0.013	0.336	0.000162067	13
Clec4e	6.72E-09	-2.418	0.026	0.344	0.000166864	13
Top2b	6.98E-09	0.797	0.494	0.261	0.000173258	13
Srsf5	7.11E-09	0.602	0.961	0.846	0.000176585	13
Ptp4a1	7.17E-09	-1.002	0.494	0.771	0.000178062	13
Zfp36	7.27E-09	-1.489	0.662	0.841	0.000180609	13
Matr3	7.43E-09	0.840	0.636	0.428	0.000184678	13
Jun	7.47E-09	-1.490	0.273	0.626	0.000185465	13
Ccl2	7.54E-09	-2.124	0.013	0.332	0.00018722	13
Ndel1	7.58E-09	-0.958	0.143	0.485	0.000188353	13
Hnrnp11	7.61E-09	-0.919	0.039	0.366	0.000189079	13
Kif1c	7.65E-09	-0.817	0.052	0.393	0.000190028	13
Sqstm1	7.89E-09	-0.963	0.805	0.901	0.000196013	13
Rac1	7.99E-09	-0.841	0.571	0.752	0.000198521	13
Hnrnpf	8.59E-09	0.653	0.844	0.725	0.00021343	13
Rbms1	8.85E-09	-0.906	0.351	0.675	0.000219943	13
Eif5	9.02E-09	0.613	0.974	0.86	0.000223977	13
Rps18	9.03E-09	0.715	0.909	0.711	0.000224383	13
Msr1	9.67E-09	-1.403	0.026	0.339	0.000240134	13
Fcgr1	9.86E-09	-1.132	0.026	0.341	0.00024499	13
Capg	1.06E-08	-1.171	0.234	0.545	0.000263903	13
Ndr1	1.10E-08	-1.330	0.117	0.455	0.000274052	13
Fam129b	1.13E-08	-1.340	0.247	0.543	0.00028028	13
Map2k3	1.18E-08	-0.894	0.442	0.735	0.000292415	13
Slc7a8	1.25E-08	-1.075	0.013	0.322	0.000310647	13
Sh3bgr1	1.29E-08	-1.069	0.221	0.524	0.000319946	13
Serp1	1.31E-08	1.061	0.714	0.642	0.000324723	13
Adam15	1.55E-08	-0.739	0.013	0.329	0.000384813	13
Cybb	1.56E-08	1.610	0.61	0.41	0.000387418	13
Gpr35	1.74E-08	-1.191	0.052	0.363	0.000432411	13
Adgre1	1.78E-08	-1.249	0	0.301	0.0004414	13
Cd2ap	1.81E-08	1.178	0.442	0.238	0.000449587	13
Tbc1d9	1.81E-08	-0.843	0.026	0.344	0.000450475	13
Zbtb20	1.83E-08	0.962	0.273	0.095	0.000453697	13
Mrc1	1.86E-08	-1.726	0.026	0.336	0.000461903	13
Rpl9	1.86E-08	0.637	0.987	0.847	0.000462666	13
Klf4	1.86E-08	-1.220	0.286	0.622	0.000463026	13
Ifi204	1.94E-08	-1.030	0.013	0.323	0.000481137	13
Bag3	1.96E-08	-0.939	0.091	0.434	0.000485893	13
Gnas	2.09E-08	0.679	0.883	0.821	0.000519407	13
Dennd4a	2.15E-08	0.801	0.766	0.523	0.000533737	13
mt-Nd2	2.20E-08	0.502	1	0.945	0.000545532	13
Furin	2.20E-08	-1.024	0.195	0.55	0.000547398	13
Rpl18a	2.41E-08	0.689	0.922	0.83	0.000597385	13
Ralb	2.42E-08	-0.810	0.065	0.385	0.000600932	13

Tmem106a	2.45E-08	-0.813	0.013	0.313	0.000608462	13
Zmiz1	2.50E-08	-0.727	0.156	0.508	0.000621969	13
Flrt3	2.52E-08	-1.760	0.013	0.316	0.000626377	13
Ero1l	2.56E-08	-1.794	0.156	0.47	0.000636497	13
Raph1	2.76E-08	-0.921	0.026	0.342	0.000684365	13
Myo1f	2.87E-08	-0.742	0.013	0.317	0.000711753	13
Fcgr2b	3.09E-08	-1.448	0.234	0.521	0.000768725	13
Hsp90aa1	3.35E-08	1.051	0.987	0.931	0.000832127	13
Hsp90b1	3.58E-08	0.895	0.87	0.788	0.000889654	13
Rabgef1	3.80E-08	-0.919	0.091	0.427	0.000942902	13
Rap2a	3.86E-08	-0.816	0.026	0.335	0.000958093	13
mt-Nd1	3.87E-08	0.433	1	0.955	0.00096246	13
Map4k2	4.16E-08	0.657	0.338	0.133	0.001034138	13
Mrpl33	4.17E-08	-0.848	0.156	0.477	0.001034593	13
Hsph1	4.27E-08	1.505	0.649	0.445	0.001060184	13
Rgcc	4.68E-08	-1.341	0.078	0.385	0.00116366	13
Rack1	5.06E-08	0.580	0.935	0.759	0.001256089	13
Pid1	5.08E-08	-0.860	0.026	0.327	0.001262737	13
Vat1	5.11E-08	-1.088	0.091	0.393	0.001269826	13
Mxi1	5.13E-08	-0.935	0.13	0.46	0.001273298	13
Nop56	5.34E-08	0.878	0.74	0.568	0.001326965	13
AW112010	5.39E-08	-1.437	0.052	0.359	0.001339591	13
Hspala	5.79E-08	-2.026	0.286	0.595	0.001438727	13
I11b	5.84E-08	-2.769	0.026	0.318	0.00144956	13
Eno1b	5.91E-08	-0.828	0.078	0.392	0.001468139	13
Rpl27a	6.06E-08	0.563	0.987	0.857	0.001504912	13
Gabarap	6.79E-08	-0.732	0.753	0.851	0.001687614	13
Cyba	7.08E-08	-0.915	0.455	0.695	0.001759317	13
Rps26	7.35E-08	0.455	0.987	0.883	0.00182455	13
Tex2	7.72E-08	1.247	0.403	0.206	0.00191633	13
Plekhm2	8.20E-08	-0.872	0.039	0.338	0.002036855	13
C1qc	8.57E-08	-2.521	0.078	0.366	0.002128763	13
Fcgr4	8.74E-08	-1.078	0	0.279	0.00217029	13
Rps23	8.90E-08	0.472	0.987	0.849	0.00221025	13
Ctsb	8.93E-08	-1.267	0.545	0.855	0.00221918	13
Rpl35	9.20E-08	0.535	0.974	0.792	0.002285153	13
Lrrc25	9.98E-08	-0.739	0.013	0.299	0.002479737	13
Irf8	1.01E-07	1.787	0.571	0.416	0.002513562	13
Sorl1	1.02E-07	0.651	0.429	0.202	0.002532261	13
Rpl19	1.05E-07	0.583	0.909	0.772	0.002606866	13
1-Sep	1.10E-07	0.599	0.377	0.152	0.002738328	13
Ahnak	1.12E-07	-1.081	0.584	0.781	0.002781443	13
Luc7l2	1.13E-07	0.682	0.779	0.634	0.002813802	13
Zeb2	1.13E-07	-1.304	0.377	0.639	0.002817142	13
Stt3b	1.16E-07	1.065	0.519	0.331	0.002878366	13
Cln8	1.19E-07	-0.861	0.052	0.341	0.002949099	13

Fyn	1.19E-07	1.308	0.61	0.458	0.002949264	13
Vegfa	1.19E-07	-1.812	0.13	0.414	0.00295544	13
Cd69	1.19E-07	1.159	0.312	0.123	0.002967462	13
Cited2	1.23E-07	-1.386	0.208	0.518	0.003045727	13
Hpcal1	1.30E-07	-0.764	0.13	0.462	0.003226338	13
Actr3	1.31E-07	-0.751	0.818	0.844	0.003256462	13
Sat1	1.32E-07	-1.156	0.701	0.843	0.003278421	13
Ddx6	1.33E-07	0.780	0.831	0.693	0.003304609	13
Rab7b	1.35E-07	-1.312	0.143	0.428	0.003356539	13
Bcl2a1d	1.36E-07	-0.796	0.078	0.396	0.003384096	13
Srsf2	1.36E-07	0.553	0.987	0.859	0.003385069	13
Slc44a1	1.44E-07	0.453	0.26	0.094	0.00358691	13
Ubc	1.51E-07	-1.111	0.909	0.956	0.003749455	13
H2-DMb2	1.52E-07	1.068	0.325	0.137	0.003765415	13
Ncl	1.57E-07	0.617	0.948	0.845	0.003909437	13
Zfand2a	1.59E-07	-0.948	0.078	0.38	0.003957834	13
Tpi1	1.62E-07	-1.151	0.299	0.575	0.004029208	13
Clec4a3	1.70E-07	-0.833	0.026	0.309	0.004215068	13
Cfp	1.70E-07	-1.068	0.117	0.409	0.004224984	13
Sirpb1c	1.73E-07	-0.946	0	0.269	0.004293651	13
Eeal	1.73E-07	-1.127	0.169	0.483	0.004307779	13
Pfkip	1.76E-07	-0.864	0.143	0.452	0.00436211	13
Vars	1.84E-07	0.608	0.26	0.097	0.004558675	13
Maff	2.04E-07	-1.189	0.117	0.418	0.005072328	13
Cebpa	2.12E-07	-1.188	0.078	0.359	0.005255065	13
Tmed2	2.25E-07	0.649	0.766	0.666	0.005595615	13
Xdh	2.30E-07	-0.749	0	0.265	0.005704624	13
Plau	2.32E-07	-1.384	0.026	0.303	0.005766229	13
Rcc2	2.49E-07	0.790	0.442	0.24	0.006180388	13
Ptprs	2.57E-07	0.632	0.26	0.097	0.006383799	13
Cd74	2.58E-07	0.610	0.974	0.774	0.006411378	13
Lbr	2.60E-07	0.647	0.494	0.269	0.006452639	13
Ier5	2.65E-07	-1.176	0.506	0.754	0.006574948	13
Nucb2	2.67E-07	1.109	0.351	0.174	0.006641989	13
Dhrs3	2.72E-07	-0.792	0	0.262	0.006743875	13
Ptgs2	2.85E-07	-2.678	0.026	0.293	0.007089593	13
Clec4n	2.96E-07	-1.094	0.013	0.282	0.007346869	13
Slc38a1	3.14E-07	0.728	0.688	0.51	0.007796869	13
Cd300a	3.26E-07	-0.789	0.039	0.316	0.008100364	13
Tuba1c	3.35E-07	-0.967	0.455	0.73	0.008326899	13
Pdcd4	3.38E-07	0.813	0.403	0.197	0.008383335	13
Rab32	3.39E-07	-0.654	0.013	0.282	0.008427977	13
Ecm1	3.42E-07	-0.944	0.026	0.295	0.008488993	13
Stx11	3.50E-07	-1.279	0.104	0.385	0.008683793	13
Mtdh	3.63E-07	0.824	0.636	0.494	0.009007756	13
Rpl37a	3.65E-07	0.598	0.987	0.861	0.009061496	13



Ptprc	3.68E-07	0.756	0.818	0.755	0.009147998	13
Socs3	3.71E-07	-1.283	0.156	0.45	0.009204038	13
Crybg1	3.71E-07	-0.761	0.013	0.279	0.009219564	13
Abhd12	3.80E-07	-0.689	0.026	0.295	0.009428434	13
Snx5	3.80E-07	0.861	0.766	0.598	0.00944071	13
Rpl34	3.81E-07	0.524	0.974	0.859	0.009458539	13
Rpl15	3.82E-07	0.527	0.922	0.776	0.009489708	13
Msi2	4.03E-07	0.672	0.377	0.176	0.010016278	13
Cd80	4.20E-07	-0.867	0	0.256	0.010426688	13
Trib1	4.24E-07	-1.358	0.299	0.608	0.010535058	13
Nucks1	4.34E-07	0.846	0.532	0.342	0.010778396	13
Tnfsf12	4.42E-07	-0.643	0	0.255	0.010978065	13
Atp6v1b2	4.46E-07	-0.985	0.377	0.629	0.011081852	13
Tapt1	4.50E-07	0.538	0.286	0.115	0.011175994	13
Rpl18	4.53E-07	0.521	0.896	0.775	0.011259424	13
Pik3cd	4.61E-07	0.966	0.468	0.284	0.011442844	13
Cotl1	4.64E-07	-0.606	0.377	0.696	0.011536547	13
Eef1b2	4.76E-07	0.509	0.935	0.775	0.011824166	13
Gcsh	5.05E-07	-0.774	0.052	0.331	0.012534732	13
Fli1	5.12E-07	0.844	0.468	0.272	0.012724315	13
Itgav	5.13E-07	-1.006	0.091	0.388	0.012732338	13
Rps6ka1	5.22E-07	0.901	0.351	0.172	0.012968356	13
Ezr	5.36E-07	0.875	0.883	0.71	0.013307838	13
Tiam1	5.37E-07	-0.767	0	0.252	0.013343851	13
Emb	5.63E-07	-1.111	0.247	0.545	0.013987892	13
Ext1	5.78E-07	-0.701	0.013	0.266	0.014355785	13
S100a13	6.25E-07	-0.787	0.195	0.491	0.015530811	13
Nfe2l2	6.31E-07	-0.979	0.325	0.577	0.015670488	13
Capn2	6.38E-07	-0.821	0.169	0.464	0.01584827	13
Errfi1	6.52E-07	-0.990	0.078	0.362	0.016198651	13
Rpl37	6.59E-07	0.476	0.974	0.847	0.016371156	13
Dbi	6.87E-07	-0.913	0.325	0.567	0.01707197	13
Sh3pxd2b	6.92E-07	-0.574	0.013	0.27	0.01718847	13
Tspo	6.95E-07	-0.857	0.286	0.573	0.017254136	13
Mafg	7.56E-07	-0.779	0.13	0.44	0.018780355	13
Ctss	7.62E-07	-1.749	0.766	0.774	0.018927451	13
Rps12	7.98E-07	0.548	0.987	0.905	0.019810353	13
Slc15a3	8.22E-07	-0.890	0.208	0.499	0.020410551	13
Rpl6	8.52E-07	0.518	0.974	0.85	0.021155797	13
Gramd3	8.63E-07	0.803	0.325	0.144	0.021446027	13
Txnrd1	8.74E-07	-0.769	0.13	0.429	0.021707312	13
Naaa	9.18E-07	-1.124	0.065	0.336	0.022802626	13
Slc11a2	9.44E-07	-0.603	0.013	0.268	0.023442992	13
Gde1	9.88E-07	-0.847	0.052	0.313	0.024549923	13
Soat1	1.03E-06	-0.867	0.182	0.471	0.025553515	13
Traf1	1.04E-06	-0.735	0.078	0.342	0.025757998	13

Sumo2	1.07E-06	0.573	0.792	0.633	0.026645775	13
Ccr5	1.14E-06	-0.883	0.195	0.493	0.028204665	13
Rpl39	1.15E-06	0.474	0.974	0.85	0.028614071	13
Pgam1	1.17E-06	-1.116	0.519	0.669	0.02909159	13
Gbp1	1.21E-06	0.651	0.727	0.552	0.03007794	13
Arpc2	1.24E-06	-0.492	0.909	0.898	0.030701613	13
Rapgef2	1.27E-06	-0.840	0.078	0.339	0.031469225	13
Rps27a	1.33E-06	0.442	0.987	0.87	0.032977892	13
Sh3bgrl3	1.36E-06	-0.729	0.779	0.844	0.033687504	13
Acap1	1.39E-06	0.279	0.325	0.133	0.034572851	13
Hk2	1.42E-06	-0.886	0.104	0.385	0.035151043	13
Nolc1	1.46E-06	0.955	0.494	0.305	0.036342575	13
Mapk3	1.46E-06	-0.587	0.078	0.354	0.036360406	13
Trp53inp1	1.51E-06	0.393	0.377	0.169	0.037401435	13
Slc16a3	1.57E-06	-0.626	0.013	0.26	0.038893836	13
Capns1	1.57E-06	-0.551	0.208	0.513	0.038895434	13
Tlr2	1.57E-06	-0.940	0.026	0.276	0.039087873	13
Rpl14	1.58E-06	0.603	0.883	0.689	0.03931382	13
F10	1.65E-06	-1.108	0.013	0.255	0.040988594	13
C1qa	1.68E-06	-1.984	0.039	0.283	0.041616007	13
Piezo1	1.69E-06	-0.847	0.169	0.463	0.041887412	13
Dstn	1.78E-06	-0.820	0.169	0.442	0.044236206	13
Mdfic	1.84E-06	-0.620	0.039	0.295	0.045811554	13
Lcp2	1.96E-06	-0.774	0.039	0.291	0.048596529	13
Pnp	2.03E-06	-0.673	0.234	0.548	0.050324435	13
Sfn	2.03E-06	1.035	0.273	0.116	0.050546741	13
Tiparp	2.06E-06	-0.975	0.299	0.592	0.051237333	13
Sgms2	2.26E-06	-1.205	0.026	0.269	0.056105454	13
Mapkapk3	2.29E-06	-0.654	0.091	0.368	0.056945015	13
Setd7	2.35E-06	0.514	0.273	0.112	0.058371986	13
Sirpa	2.36E-06	-0.702	0.117	0.397	0.058520468	13
Tm6sf1	2.39E-06	-0.689	0.078	0.34	0.059284944	13
Dek	2.52E-06	0.637	0.766	0.599	0.062592932	13
Slc2a1	2.52E-06	-0.988	0.208	0.483	0.062625258	13
Hspe1	2.54E-06	0.731	0.779	0.633	0.06315911	13
Igsf6	2.69E-06	-0.709	0.013	0.25	0.066756288	13
Ii10rb	2.77E-06	-0.897	0.208	0.491	0.068839389	13
Sec62	2.84E-06	0.991	0.688	0.601	0.070554614	13
Fam214b	2.84E-06	-0.695	0.065	0.317	0.070648578	13
Snx10	2.86E-06	-0.598	0.052	0.313	0.071110572	13
Smarca5	3.00E-06	0.722	0.753	0.6	0.074622044	13
Gm9844	3.01E-06	-0.495	0.234	0.52	0.074815013	13
Olfm1	3.06E-06	-0.726	0.039	0.288	0.076123595	13
Stk4	3.34E-06	0.684	0.597	0.435	0.082863468	13
Arid5b	3.34E-06	-1.177	0.052	0.293	0.083036755	13
Sp100	3.39E-06	0.776	0.61	0.458	0.08417707	13

Apobec1	3.40E-06	-0.893	0.078	0.324	0.084435385	13
Ncf1	3.47E-06	1.024	0.442	0.266	0.086145383	13
Egr1	3.57E-06	-2.611	0.195	0.459	0.088653231	13
Arrb2	3.58E-06	-0.585	0.104	0.39	0.088850948	13
Rpl23a	3.67E-06	0.509	0.961	0.833	0.091155095	13
Stom	3.74E-06	-0.658	0.065	0.309	0.092819349	13
B4galt5	3.75E-06	-0.667	0.182	0.478	0.093157523	13
Pik3r5	3.89E-06	-0.647	0.039	0.278	0.096567393	13
F13a1	4.10E-06	-1.511	0.039	0.27	0.101892315	13
Kdm5a	4.15E-06	0.667	0.442	0.256	0.103142649	13
Rgl1	4.16E-06	-1.029	0.104	0.358	0.103284468	13
Rab7	4.26E-06	-0.787	0.688	0.819	0.105692069	13
Gpr65	4.32E-06	-0.845	0.13	0.4	0.107381293	13
Eaf1	4.35E-06	-0.770	0.143	0.392	0.108106578	13
Mfsd1	4.37E-06	-0.668	0.156	0.425	0.108458747	13
Dnajc13	4.44E-06	0.674	0.442	0.265	0.110337975	13
Ptpn1	4.51E-06	0.750	0.675	0.537	0.111960912	13
Pfkfb3	4.72E-06	-0.911	0.078	0.336	0.117343271	13
Jaml	4.76E-06	0.839	0.299	0.128	0.118148846	13
Gpd1l	4.78E-06	0.688	0.26	0.11	0.118777068	13
Ywhaq	5.08E-06	0.868	0.623	0.491	0.126155263	13
Ccr2	5.16E-06	-1.238	0.104	0.343	0.128184277	13
Spp1	5.16E-06	-2.835	0.039	0.269	0.12823037	13
Cdkn2d	5.32E-06	0.616	0.325	0.156	0.132243082	13
Selenos	5.38E-06	0.858	0.532	0.397	0.133559487	13
Dusp3	5.41E-06	-0.581	0.117	0.387	0.134303999	13
1810037I17Rik	5.58E-06	-0.735	0.26	0.537	0.138506084	13
Fau	5.60E-06	0.443	0.961	0.907	0.139126272	13
Ifngr1	5.82E-06	-0.934	0.156	0.439	0.144570435	13
Bnip3	5.97E-06	-1.166	0.065	0.302	0.148265052	13
Ssfa2	6.02E-06	-0.561	0.13	0.407	0.149428975	13
Rps19	6.16E-06	0.699	0.948	0.792	0.153049603	13
Mbnl1	6.31E-06	0.640	0.714	0.585	0.156747499	13
Ldlr	6.36E-06	-0.838	0.091	0.341	0.157889777	13
Clk1	6.54E-06	0.668	0.792	0.672	0.162424809	13
Pitpnc1	6.56E-06	-0.802	0.052	0.288	0.162897447	13
Grina	6.60E-06	-1.196	0.221	0.493	0.163836421	13
Cd93	6.71E-06	-0.839	0.026	0.253	0.16659083	13
Ncoa4	6.74E-06	0.627	0.468	0.286	0.167327429	13
Morf4l1	6.78E-06	0.505	0.896	0.813	0.168507423	13
Nr4a3	6.93E-06	-1.465	0.247	0.493	0.172071144	13
Sfpq	7.07E-06	0.473	0.922	0.804	0.175720413	13
Hnrnpc	7.09E-06	0.588	0.922	0.839	0.176029533	13
Adipor1	7.21E-06	-0.684	0.182	0.464	0.179056145	13
Rap2b	7.47E-06	-0.674	0.13	0.402	0.185491169	13
Pld3	7.50E-06	-0.977	0.169	0.418	0.186184333	13

Tmem123	7.53E-06	0.366	0.688	0.544	0.18712757	13
Pirb	7.61E-06	-0.622	0.065	0.311	0.189080284	13
Btg2	7.86E-06	0.462	0.688	0.498	0.195112504	13
Elk3	7.90E-06	-0.521	0.039	0.274	0.196130741	13
Higd1a	7.97E-06	-0.469	0.13	0.412	0.197899276	13
Gm42418	8.03E-06	0.347	0.961	0.909	0.199365591	13
Cox7b	8.27E-06	-0.645	0.299	0.571	0.205377203	13
Tgif1	8.70E-06	-0.650	0.494	0.766	0.216135479	13
Actg1	8.87E-06	-0.648	0.974	0.968	0.220204998	13
Ap3s1	8.97E-06	-0.652	0.156	0.412	0.222771579	13
Atpif1	9.38E-06	-0.718	0.247	0.487	0.232908141	13
Ms4a6b	9.41E-06	-0.632	0.052	0.287	0.233680862	13
Gnpda1	9.48E-06	-0.524	0.039	0.267	0.235535188	13
Nemf	9.52E-06	1.052	0.506	0.336	0.236354801	13
Tnfrsf1a	9.70E-06	-0.565	0.078	0.33	0.240935443	13
Sgk1	1.00E-05	-0.853	0.091	0.343	0.248694702	13
Rplp1	1.08E-05	0.430	0.987	0.899	0.267395651	13
Noct	1.13E-05	-0.814	0.13	0.378	0.280520158	13
Smpd13a	1.13E-05	-0.664	0.065	0.309	0.280778679	13
Ms4a7	1.15E-05	-1.577	0.039	0.252	0.284474943	13
Ehd1	1.18E-05	-0.525	0.143	0.42	0.293520138	13
Wsb1	1.22E-05	-0.618	0.338	0.623	0.302771374	13
Tln1	1.23E-05	-0.676	0.429	0.676	0.305931684	13
Eif3c	1.28E-05	0.701	0.688	0.564	0.318715029	13
Bptf	1.35E-05	0.738	0.597	0.444	0.336061444	13
Rabggtb	1.36E-05	-0.576	0.091	0.334	0.33743322	13
Lamtor1	1.36E-05	-0.502	0.078	0.322	0.338834164	13
Rcsd1	1.38E-05	0.586	0.312	0.15	0.341867564	13
Arid3a	1.42E-05	0.764	0.273	0.124	0.353255764	13
Dnajc7	1.46E-05	0.829	0.532	0.394	0.362167187	13
Sf1	1.47E-05	0.583	0.779	0.701	0.365991716	13
Brd2	1.49E-05	-0.642	0.74	0.852	0.369904558	13
Tmem14c	1.57E-05	-0.546	0.208	0.474	0.3897304	13
Npc2	1.59E-05	-0.743	0.571	0.761	0.396168029	13
Arpc1b	1.60E-05	-0.559	0.701	0.837	0.396581473	13
Ubxn4	1.63E-05	0.622	0.701	0.618	0.403684406	13
Ddx21	1.64E-05	0.617	0.636	0.507	0.407901335	13
Gyg	1.66E-05	-0.793	0.091	0.328	0.411222655	13
Specc11	1.67E-05	-0.575	0.091	0.333	0.415828697	13
Dhx9	1.70E-05	0.780	0.584	0.462	0.422169078	13
Ubash3b	1.72E-05	-0.564	0.052	0.276	0.427481626	13
Brix1	1.76E-05	0.781	0.455	0.29	0.437466951	13
Gadd45g	1.82E-05	-0.933	0.039	0.26	0.452180341	13
Tmem189	1.86E-05	-0.856	0.403	0.629	0.462052555	13
Stat3	1.89E-05	0.405	0.896	0.743	0.47010816	13
Gdi2	1.97E-05	0.754	0.831	0.688	0.490337065	13

Bhlhe40	1.98E-05	-0.872	0.468	0.705	0.491909312	13
Pgd	2.05E-05	-0.610	0.182	0.434	0.510374867	13
Eif3f	2.10E-05	0.745	0.688	0.586	0.522324798	13
Entpd1	2.21E-05	-0.875	0.104	0.341	0.547790934	13
Litaf	2.23E-05	-0.669	0.649	0.823	0.554244297	13
Eed	2.32E-05	-0.583	0.091	0.339	0.576134816	13
Comt	2.32E-05	-0.479	0.052	0.28	0.576301758	13
Rab3gap1	2.34E-05	0.636	0.325	0.171	0.581467689	13
Spi1	2.34E-05	-0.629	0.325	0.569	0.58171841	13
Grk6	2.34E-05	0.632	0.26	0.118	0.581846187	13
Il1r2	2.35E-05	-1.526	0.091	0.316	0.582579715	13
Atp2b1	2.35E-05	-0.627	0.494	0.716	0.583349206	13
Chd7	2.38E-05	-0.827	0.221	0.479	0.591431404	13
Chuk	2.42E-05	0.492	0.455	0.283	0.60014928	13
Rps21	2.44E-05	0.510	0.948	0.792	0.604893118	13
Sf3b1	2.44E-05	0.589	0.896	0.809	0.604933601	13
Zc3h12a	2.45E-05	-0.704	0.182	0.453	0.608372551	13
Mxd1	2.46E-05	-0.895	0.442	0.697	0.611541215	13
Tnf	2.47E-05	-1.665	0.104	0.326	0.612795537	13
Bcl2a1b	2.50E-05	-0.553	0.052	0.28	0.620028505	13
Rpl22l1	2.51E-05	0.664	0.701	0.55	0.623827974	13
Rpl3	2.60E-05	0.448	0.883	0.733	0.646407433	13
Unc93b1	2.61E-05	0.816	0.571	0.436	0.648276476	13
Akr1a1	2.63E-05	-0.765	0.429	0.641	0.654404901	13
Stx3	2.71E-05	-0.659	0.065	0.286	0.67327534	13
Trps1	2.74E-05	-0.672	0.078	0.296	0.681306794	13
Marcks	2.80E-05	-1.145	0.312	0.558	0.695173775	13
Usp7	2.84E-05	0.784	0.636	0.513	0.704989281	13
Mapk6	2.84E-05	-0.758	0.312	0.566	0.70574654	13
Ifi2712a	2.89E-05	-0.905	0.299	0.533	0.718928549	13
Cnp	2.93E-05	0.832	0.273	0.135	0.727139941	13
Cystm1	2.95E-05	0.610	0.286	0.135	0.733377416	13
Set	2.97E-05	0.576	0.74	0.618	0.736874005	13
Rpl13	2.97E-05	0.519	0.987	0.841	0.737171186	13
Rac2	3.21E-05	0.540	0.714	0.584	0.797593602	13
Txndc17	3.21E-05	-0.497	0.156	0.398	0.798537731	13
Sod2	3.24E-05	-0.843	0.26	0.533	0.804426272	13
Rab11a	3.27E-05	-0.600	0.234	0.499	0.813315189	13
Sestd1	3.31E-05	-0.459	0.039	0.251	0.822134777	13
Herpud1	3.33E-05	0.950	0.623	0.515	0.825944629	13
Lgals9	3.38E-05	-0.685	0.143	0.374	0.840410656	13
Tkt	3.54E-05	-0.601	0.247	0.479	0.879835465	13
Nap1l1	3.61E-05	0.494	0.831	0.627	0.895512427	13
Fth1	3.62E-05	-1.381	0.974	0.984	0.899293109	13
Runx1	3.67E-05	-0.625	0.208	0.483	0.910394976	13
Mthfsl	3.76E-05	-0.531	0.039	0.251	0.933783614	13

Sema4b	3.81E-05	1.190	0.364	0.215	0.946311312	13
Sertad1	3.87E-05	-0.418	0.091	0.331	0.960228112	13
Tent5a	3.88E-05	-0.952	0.156	0.403	0.963001614	13
Sra1	3.88E-05	-0.603	0.208	0.46	0.964791341	13
Cd300c2	4.02E-05	-0.487	0.065	0.283	0.999595789	13
Atp6v1c1	4.23E-05	-0.707	0.195	0.442	1	13
Aplp2	4.29E-05	-0.552	0.234	0.488	1	13
Ap2m1	4.35E-05	-0.635	0.429	0.633	1	13
Timp2	4.38E-05	-1.166	0.091	0.304	1	13
Pnrc1	4.42E-05	-0.778	0.494	0.738	1	13
Eef1g	4.46E-05	0.562	0.714	0.576	1	13
Lgmn	4.56E-05	-1.341	0.325	0.509	1	13
Nop58	4.65E-05	0.865	0.519	0.369	1	13
Plec	4.69E-05	-0.800	0.182	0.414	1	13
Cfl1	4.73E-05	-0.344	1	0.965	1	13
Anpep	4.84E-05	-0.609	0.052	0.265	1	13
Casp8	4.88E-05	-0.358	0.117	0.36	1	13
Casp4	4.97E-05	-0.701	0.13	0.367	1	13
Npm1	4.97E-05	0.529	0.909	0.804	1	13
Atp6v1a	4.98E-05	-0.895	0.377	0.581	1	13
Itpr1l2	5.07E-05	-0.483	0.052	0.265	1	13
Tpm4	5.14E-05	-0.529	0.286	0.553	1	13
Srrm1	5.21E-05	0.588	0.805	0.692	1	13
Hnrnp1	5.42E-05	0.505	0.74	0.622	1	13
Hmgb1	5.48E-05	0.473	0.753	0.636	1	13
Tpt1	5.55E-05	0.273	0.987	0.975	1	13
Son	5.59E-05	0.529	0.779	0.765	1	13
Ccnd2	5.59E-05	0.972	0.519	0.343	1	13
Smim3	5.68E-05	-0.782	0.247	0.503	1	13
Ccdc47	5.71E-05	0.791	0.403	0.263	1	13
Cyb5a	5.74E-05	-0.618	0.169	0.4	1	13
Map4k1	5.77E-05	0.642	0.286	0.146	1	13
Oxct1	5.78E-05	-0.388	0.117	0.355	1	13
Socs1	5.82E-05	-0.661	0.052	0.26	1	13
Gadd45b	5.84E-05	-0.975	0.325	0.575	1	13
Txndc5	6.01E-05	0.906	0.299	0.168	1	13
Ppp4r3b	6.02E-05	0.792	0.571	0.458	1	13
Elf1	6.04E-05	0.356	0.727	0.581	1	13
Abtb2	6.19E-05	-0.585	0.052	0.26	1	13
Sptlc2	6.20E-05	-0.402	0.143	0.389	1	13
Wdr26	6.29E-05	0.685	0.753	0.709	1	13
Gna13	6.32E-05	-0.675	0.675	0.813	1	13
Vav3	6.32E-05	-0.474	0.052	0.26	1	13
Ndufa10	6.53E-05	-0.515	0.13	0.345	1	13
Ptpre	6.63E-05	-0.839	0.156	0.379	1	13
Aprt	6.86E-05	-0.460	0.13	0.358	1	13

Mindy1	7.50E-05	-0.609	0.065	0.272	1	13
Plekha2	7.55E-05	0.696	0.481	0.331	1	13
Fus	7.70E-05	0.450	0.87	0.842	1	13
Xbp1	7.74E-05	1.461	0.558	0.503	1	13
Hadhb	7.79E-05	0.710	0.403	0.257	1	13
Flna	7.88E-05	-0.488	0.325	0.583	1	13
Mpp1	8.25E-05	-0.619	0.104	0.325	1	13
Ifi207	8.66E-05	-0.732	0.247	0.507	1	13
Rpl28	8.68E-05	0.362	0.961	0.835	1	13
Plk2	8.71E-05	-0.830	0.065	0.273	1	13
Zfand5	8.96E-05	-0.807	0.494	0.686	1	13
Canx	9.29E-05	0.641	0.766	0.677	1	13
Ms4a4c	9.29E-05	-0.727	0.078	0.295	1	13
Pcbp1	9.38E-05	0.418	0.883	0.794	1	13
Atp6v0b	9.61E-05	-0.559	0.351	0.583	1	13
Alox5ap	9.68E-05	-0.805	0.403	0.606	1	13
Cd52	9.71E-05	-0.675	0.753	0.838	1	13
Cyfip2	9.80E-05	0.549	0.377	0.216	1	13
Cln3	9.82E-05	-0.743	0.143	0.375	1	13
Pvr	9.83E-05	-0.688	0.169	0.398	1	13
Ifnar1	9.97E-05	0.742	0.403	0.258	1	13
Tsc22d1	0.00010007	0.787	0.351	0.203	1	13
Atp5j	0.00010099	-0.528	0.286	0.524	1	13
Ctsz	0.0001022	-0.733	0.468	0.64	1	13
Antxr2	0.00010301	-0.817	0.208	0.425	1	13
Ndufc2	0.00010341	-0.414	0.169	0.402	1	13
Ccl4	0.00010466	-3.098	0.13	0.329	1	13
Irs2	0.00010478	-0.477	0.182	0.432	1	13
Lgals3bp	0.00010605	-0.766	0.182	0.394	1	13
9930111J21Rik2	0.00010684	0.402	0.338	0.177	1	13
Pithd1	0.00010748	0.632	0.312	0.173	1	13
Slc43a2	0.00010778	-0.465	0.052	0.25	1	13
Tmem50b	0.00010779	0.851	0.416	0.275	1	13
Gpi1	0.00011144	-0.684	0.442	0.638	1	13
Rasa3	0.00011187	0.610	0.286	0.147	1	13
Ccar1	0.00011427	0.812	0.506	0.378	1	13
Cast	0.00011524	-0.658	0.195	0.431	1	13
Impact	0.00011751	-0.632	0.143	0.363	1	13
Ccl3	0.00011843	-3.179	0.117	0.313	1	13
Spcs2	0.00011935	0.604	0.584	0.489	1	13
Ist1	0.00012038	-0.358	0.351	0.636	1	13
Denr	0.00012268	-0.592	0.169	0.394	1	13
Vps18	0.0001229	-0.461	0.091	0.307	1	13
Sgms1	0.0001255	-0.447	0.091	0.316	1	13
Ahcyl2	0.00012609	-0.381	0.078	0.289	1	13
Rpl9-ps6	0.00012855	0.632	0.792	0.706	1	13

Ap3b1	0.00013029	-0.472	0.195	0.447	1	13
Tra2b	0.00013155	0.574	0.779	0.703	1	13
Tgfbr2	0.00013382	0.667	0.416	0.272	1	13
Rpl26	0.00013647	0.499	0.883	0.774	1	13
Ralgds	0.00013704	-0.573	0.065	0.262	1	13
Scpep1	0.00013764	0.688	0.636	0.555	1	13
Cpeb2	0.00013817	-0.571	0.078	0.278	1	13
Bin1	0.00014318	-0.304	0.078	0.294	1	13
Coq10b	0.00014325	-0.358	0.221	0.477	1	13
Gtpbp4	0.00014366	0.706	0.468	0.334	1	13
Kras	0.0001477	0.940	0.558	0.444	1	13
Mob3a	0.00014814	0.753	0.273	0.145	1	13
Asxl2	0.00014941	0.870	0.338	0.2	1	13
Abl2	0.00015202	-0.344	0.143	0.376	1	13
Wdr43	0.00015463	0.885	0.442	0.294	1	13
Eif4g2	0.00015489	0.571	0.87	0.751	1	13
Hist1h2bc	0.00015536	-0.571	0.091	0.3	1	13
Klf2	0.00015584	-0.700	0.091	0.301	1	13
Slfn5	0.00016153	-0.707	0.117	0.316	1	13
Rock1	0.00016357	0.722	0.662	0.607	1	13
Atp6v1e1	0.00016546	-0.555	0.364	0.606	1	13
Ctsc	0.0001684	-1.139	0.455	0.593	1	13
Ssb	0.00017195	0.620	0.727	0.632	1	13
Wsb2	0.00017461	-0.435	0.104	0.314	1	13
Arhgap30	0.00017537	0.508	0.494	0.362	1	13
Pi4k2a	0.00017567	-0.481	0.13	0.35	1	13
Srsf11	0.0001778	0.536	0.844	0.711	1	13
Akt1	0.00018049	-0.622	0.221	0.444	1	13
Plaur	0.00018146	-1.125	0.545	0.675	1	13
Agpat4	0.00018412	-0.439	0.13	0.351	1	13
Sdc3	0.00018541	-0.695	0.195	0.394	1	13
Topors	0.00018762	-0.663	0.234	0.454	1	13
Rap1a	0.00018852	0.959	0.636	0.605	1	13
Lrrfip2	0.00018864	-0.484	0.117	0.341	1	13
Zmiz2	0.00019072	0.577	0.39	0.248	1	13
Clic1	0.00019452	-0.528	0.403	0.632	1	13
Cox6b1	0.0001948	-0.533	0.532	0.691	1	13
Irf2bp2	0.00020037	0.734	0.61	0.523	1	13
Calm3	0.00020057	-0.451	0.234	0.474	1	13
Ubald2	0.00020866	-0.388	0.169	0.396	1	13
Dgkz	0.00021555	-0.616	0.091	0.286	1	13
Notch2	0.0002165	-0.573	0.143	0.363	1	13
Prmt1	0.00021728	0.647	0.429	0.286	1	13
Mia2	0.0002191	0.687	0.584	0.483	1	13
Sem1	0.00022062	-0.545	0.558	0.696	1	13
Kcmf1	0.0002234	-0.385	0.234	0.471	1	13



Chmp2a	0.0002249	-0.351	0.208	0.479	1	13
Tmem256	0.00022764	-0.360	0.104	0.306	1	13
Ptpn12	0.00023319	-0.519	0.065	0.253	1	13
Cmtm3	0.00023614	-0.455	0.182	0.395	1	13
Man2a1	0.00023888	-0.487	0.169	0.382	1	13
Ssu72	0.00024024	-0.329	0.078	0.284	1	13
Tmsb4x	0.00024328	-0.637	0.974	0.972	1	13
Fam110a	0.00024332	-0.610	0.169	0.387	1	13
Mgat1	0.00024484	0.758	0.416	0.297	1	13
Eif5b	0.00024888	0.557	0.727	0.629	1	13
Pdpk1	0.00025183	0.654	0.364	0.228	1	13
Lfng	0.00025214	-0.561	0.247	0.515	1	13
Map1lc3b	0.00025607	0.418	0.766	0.736	1	13
Cebpz	0.00025637	0.907	0.468	0.333	1	13
Pten	0.00027039	0.684	0.675	0.6	1	13
Napsa	0.00027465	0.523	0.364	0.209	1	13
Gm11808	0.00027776	0.455	0.922	0.76	1	13
Snx1	0.00028486	-0.527	0.221	0.428	1	13
Tmem131	0.00028989	-0.485	0.091	0.286	1	13
Coro1a	0.00029252	0.359	0.87	0.764	1	13
Rpl38	0.000294	0.380	0.961	0.858	1	13
Nabp1	0.00029966	-0.767	0.143	0.346	1	13
Hexb	0.00030095	-0.651	0.117	0.311	1	13
Ddx3x	0.00030114	0.311	0.87	0.769	1	13
Sgpl1	0.00030943	-0.589	0.39	0.604	1	13
Pkig	0.00031061	0.667	0.26	0.14	1	13
Eif2s2	0.00031293	0.483	0.792	0.647	1	13
Slc30a5	0.00031344	0.587	0.286	0.157	1	13
Tnfaip8	0.00031469	-0.351	0.169	0.407	1	13
Pik3r1	0.00031724	-0.578	0.195	0.422	1	13
Asmt	0.00031996	-0.352	0.13	0.354	1	13
Epb4112	0.00032891	-0.535	0.221	0.444	1	13
Ppp1r9b	0.00032901	-0.433	0.13	0.343	1	13
Gm10073	0.00032953	0.452	0.831	0.678	1	13
Calr	0.00032985	0.428	0.948	0.872	1	13
Cwc25	0.00033242	-0.596	0.143	0.346	1	13
Znhit1	0.00033766	-0.435	0.117	0.316	1	13
Ldha	0.00033813	-0.758	0.61	0.721	1	13
Map4	0.000341	-0.309	0.078	0.279	1	13
Rpsa	0.00034305	0.399	0.909	0.753	1	13
Tet2	0.00034392	-0.657	0.156	0.358	1	13
Aff1	0.00036071	-0.422	0.195	0.432	1	13
Slc39a1	0.00036118	-0.310	0.169	0.417	1	13
Slc3a2	0.00036178	-0.524	0.571	0.816	1	13
Clcn4	0.00036839	-0.471	0.143	0.36	1	13
Ssh2	0.00037862	0.928	0.377	0.243	1	13

Jak1	0.00038184	0.522	0.766	0.674	1	13
Gadd45a	0.00040191	-1.123	0.091	0.275	1	13
Mkrn1	0.00040383	-0.427	0.299	0.523	1	13
Lipa	0.00040967	-0.596	0.143	0.345	1	13
Vsir	0.00041291	-0.462	0.156	0.37	1	13
Ubap2l	0.00041685	0.586	0.597	0.505	1	13
Cdv3	0.00042822	0.618	0.532	0.43	1	13
Etnk1	0.0004319	0.778	0.442	0.325	1	13
Spg21	0.00043397	-0.343	0.156	0.38	1	13
Park7	0.00043577	-0.313	0.078	0.261	1	13
Zcchc2	0.00043849	-0.372	0.091	0.292	1	13
Hnrnpa1	0.00044243	0.398	0.779	0.667	1	13
Maco1	0.00044393	0.587	0.39	0.255	1	13
Selenop	0.00045028	-2.119	0.247	0.414	1	13
Gng5	0.00045656	-0.560	0.494	0.673	1	13
Tet3	0.00046086	-0.531	0.13	0.331	1	13
Arpc5l	0.00046383	0.618	0.312	0.188	1	13
Gsk3b	0.00046718	-0.552	0.247	0.462	1	13
Krcc1	0.00047657	-0.370	0.091	0.284	1	13
Cd86	0.00048273	-0.309	0.169	0.387	1	13
Slamf9	0.00048303	0.662	0.299	0.17	1	13
Sde2	0.00051191	-0.570	0.247	0.473	1	13
Fam120a	0.00051239	-0.493	0.286	0.491	1	13
Lgals8	0.00051316	-0.419	0.078	0.258	1	13
Huwl	0.00052406	0.729	0.532	0.416	1	13
Ap1s2	0.00053202	-0.395	0.104	0.296	1	13
Elmo1	0.00053212	-0.341	0.13	0.342	1	13
Wdr89	0.00053353	0.455	0.74	0.652	1	13
Nampt	0.00053442	-0.603	0.351	0.561	1	13
Slc26a2	0.00054198	-0.482	0.143	0.353	1	13
Apoe	0.00054245	-2.306	0.377	0.512	1	13
Tuba1a	0.00054529	0.667	0.506	0.365	1	13
Dpm2	0.00054781	-0.378	0.117	0.313	1	13
Fam129a	0.00054957	-0.493	0.091	0.273	1	13
Adam9	0.00055315	-0.280	0.169	0.375	1	13
Sf3b4	0.00055866	0.490	0.597	0.497	1	13
Mrps28	0.00056558	-0.456	0.078	0.257	1	13
Diaph1	0.00057914	-0.586	0.429	0.636	1	13
Pxn	0.00058837	-0.621	0.182	0.378	1	13
Hk1	0.00059388	-0.471	0.078	0.252	1	13
Rnf130	0.00059682	-0.534	0.234	0.423	1	13
Eif4a2	0.00060268	0.482	0.701	0.626	1	13
Ubap1	0.00060325	-0.585	0.091	0.271	1	13
Dgat1	0.0006078	-1.105	0.156	0.34	1	13
Egln1	0.00061169	-0.545	0.143	0.323	1	13
Zcchc7	0.00061923	0.561	0.26	0.14	1	13

Ddx39b	0.00062661	0.307	0.662	0.538	1	13
Psmb10	0.00063171	-0.320	0.13	0.33	1	13
Ttc3	0.00063219	0.441	0.273	0.149	1	13
Bak1	0.0006329	-0.308	0.143	0.355	1	13
Myl12a	0.00063381	-0.438	0.403	0.623	1	13
Snx6	0.0006357	-0.452	0.156	0.356	1	13
Dnajc5	0.00063918	0.498	0.623	0.564	1	13
Chtop	0.00066274	0.600	0.494	0.377	1	13
Tgfbr1	0.00066528	0.741	0.364	0.236	1	13
Tspan3	0.00070058	-0.580	0.143	0.338	1	13
Gm8797	0.00070116	-0.549	0.169	0.364	1	13
Rassf1	0.00070523	-0.477	0.208	0.429	1	13
P4ha1	0.00071299	-0.511	0.156	0.355	1	13
Thrap3	0.00073489	0.558	0.701	0.608	1	13
Lrrc58	0.00073586	-0.473	0.403	0.602	1	13
Sik3	0.00074006	-0.543	0.26	0.479	1	13
Ripk1	0.00074087	-0.281	0.169	0.39	1	13
Flcn	0.00075451	-0.610	0.325	0.537	1	13
Ncbp1	0.00077271	0.552	0.338	0.218	1	13
Sowahc	0.00078331	-0.514	0.13	0.317	1	13
Morf4l2	0.00078572	0.612	0.623	0.564	1	13
N4bp1	0.00078989	-0.478	0.26	0.471	1	13
Hnrnpab	0.00079324	0.510	0.857	0.738	1	13
Adipor2	0.00080356	0.892	0.506	0.446	1	13
Riok3	0.00080781	-0.457	0.325	0.557	1	13
Dnm2	0.00081186	-0.386	0.143	0.349	1	13
Larp4	0.00081429	0.730	0.481	0.381	1	13
Cers6	0.00082842	-0.405	0.091	0.271	1	13
Tmbim1	0.00083899	-0.251	0.104	0.297	1	13
Srsf6	0.00085636	0.409	0.74	0.629	1	13
Ptbp1	0.00088364	0.401	0.727	0.647	1	13
Calm2	0.00088654	0.437	0.805	0.75	1	13
U2af1	0.00090223	0.578	0.532	0.444	1	13
Atp6v0d1	0.00090622	-0.446	0.338	0.526	1	13
Hexa	0.00091882	-0.712	0.299	0.466	1	13
Setd2	0.00092464	0.754	0.571	0.505	1	13
Gfpt1	0.00092541	-0.573	0.208	0.406	1	13
Bri3bp	0.00092769	0.515	0.338	0.212	1	13
Mir142hg	0.00092903	0.678	0.403	0.272	1	13
Ube2d2a	0.0009295	0.481	0.701	0.65	1	13
Slc1a5	0.00093261	0.684	0.494	0.371	1	13
Tmem43	0.00093404	-0.456	0.091	0.261	1	13
Etv3	0.00093434	-0.839	0.299	0.489	1	13
Nfkbiz	0.00096607	-1.115	0.26	0.444	1	13
Ly86	0.00096613	0.406	0.597	0.47	1	13
Belaf1	0.00097705	0.475	0.597	0.519	1	13

Purb	0.00100168	0.578	0.623	0.52	1	13
Arap2	0.00100849	0.712	0.286	0.16	1	13
Tob1	0.00101839	-0.401	0.299	0.531	1	13
Limd1	0.00104077	0.677	0.481	0.37	1	13
Esd	0.00104524	-0.777	0.377	0.545	1	13
Serbp1	0.00104816	0.417	0.831	0.749	1	13
Top1	0.00104929	0.492	0.74	0.696	1	13
Epsti1	0.00105381	-0.542	0.13	0.306	1	13
Cbfa2t3	0.00109859	-0.839	0.156	0.331	1	13
Fam50a	0.00111316	-0.362	0.104	0.284	1	13
Igsf8	0.00113071	0.520	0.364	0.248	1	13
Wdr1	0.00118574	-0.480	0.351	0.535	1	13
Nuak2	0.00118584	-0.287	0.143	0.343	1	13
Gm3839	0.00122194	-0.409	0.208	0.401	1	13
Smg1	0.00122513	0.636	0.532	0.447	1	13
Fgfr1op2	0.00123496	0.701	0.468	0.379	1	13
Ndufb4	0.00123726	-0.280	0.104	0.286	1	13
Klf7	0.00124957	-0.384	0.104	0.286	1	13
Lamp2	0.0012525	-0.589	0.416	0.596	1	13
Ly6a	0.00127603	1.045	0.481	0.334	1	13
Rhog	0.00129455	-0.450	0.662	0.794	1	13
Rc3h1	0.00129493	0.670	0.481	0.39	1	13
Efr3a	0.00130568	-0.299	0.13	0.319	1	13
Pqlc1	0.00131775	-0.437	0.13	0.319	1	13
Cap1	0.00133266	-0.535	0.442	0.623	1	13
Lmnbl	0.00134371	-0.848	0.506	0.657	1	13
Setd1b	0.0013622	0.674	0.338	0.214	1	13
P2rx4	0.0013669	-0.337	0.091	0.262	1	13
Cxcr4	0.0013799	0.833	0.753	0.738	1	13
Syng2	0.00139386	0.653	0.545	0.489	1	13
Rplp0	0.00139774	0.261	0.948	0.832	1	13
Prkar2a	0.00140432	-0.279	0.091	0.267	1	13
Mvb12a	0.00141103	0.622	0.273	0.166	1	13
Lamtor4	0.00141537	-0.324	0.117	0.289	1	13
Rps29	0.0014372	0.299	0.987	0.928	1	13
Rhoh	0.00146611	0.520	0.286	0.171	1	13
Snx3	0.00147072	-0.445	0.532	0.676	1	13
Cux1	0.00148929	-0.386	0.195	0.404	1	13
Cox17	0.00149767	-0.365	0.169	0.368	1	13
Ndfip1	0.00150647	-0.460	0.13	0.306	1	13
Rab22a	0.00152203	-0.391	0.143	0.325	1	13
Ywhaz	0.00152744	0.333	0.935	0.869	1	13
Ikzf1	0.00153335	0.842	0.39	0.282	1	13
Ass1	0.00153813	-0.502	0.091	0.254	1	13
Ssr1	0.00153816	0.609	0.545	0.491	1	13
Lrrfip1	0.00155056	-0.494	0.429	0.643	1	13

Cox7a2	0.00155355	-0.365	0.351	0.548	1	13
Bst2	0.00155745	1.156	0.429	0.356	1	13
Cops9	0.00158834	-0.406	0.273	0.46	1	13
Prex1	0.00160694	-0.429	0.143	0.33	1	13
Il17ra	0.00162373	0.677	0.416	0.285	1	13
Tmed5	0.00163178	0.443	0.675	0.593	1	13
Rpl10a	0.00165344	0.658	0.701	0.638	1	13
Samd8	0.00165496	-0.338	0.104	0.275	1	13
Vdac1	0.00168152	-0.495	0.299	0.488	1	13
Smdt1	0.00169023	-0.259	0.143	0.333	1	13
Slc7a5	0.00169173	0.504	0.325	0.205	1	13
Fbxo33	0.00170131	-0.501	0.195	0.385	1	13
Aamp	0.00171712	-0.428	0.325	0.531	1	13
Pgap2	0.00172344	-0.277	0.091	0.263	1	13
Cttna1	0.00173256	-0.426	0.221	0.418	1	13
Samsn1	0.00173329	-1.290	0.351	0.51	1	13
Ppp2r1a	0.0017495	-0.352	0.208	0.405	1	13
Rps12-ps3	0.00175487	0.535	0.714	0.615	1	13
Senp6	0.00176863	0.586	0.481	0.381	1	13
Itgal	0.00177621	0.293	0.403	0.25	1	13
Sec14l1	0.0017802	-0.279	0.104	0.274	1	13
Anxa6	0.00179417	-0.514	0.195	0.384	1	13
Cyth1	0.00180617	0.521	0.506	0.395	1	13
Rbm3	0.0018275	0.386	0.805	0.707	1	13
Eif2b4	0.00188295	0.331	0.273	0.157	1	13
H2afz	0.00189965	-0.603	0.766	0.834	1	13
R3hdm4	0.00190346	0.886	0.429	0.351	1	13
Capzb	0.00192035	-0.429	0.61	0.784	1	13
Rab12	0.00192205	-0.335	0.091	0.252	1	13
Cd82	0.00194521	0.520	0.351	0.229	1	13
Ptpn22	0.00195629	-0.648	0.104	0.263	1	13
CD4-pAbO (Ab)	0.00195926	-2.226	0.792	0.881	1	13
Rap1b	0.00196435	-0.317	0.831	0.853	1	13
Abca1	0.00198712	-0.565	0.13	0.304	1	13
Lamtor3	0.00199616	-0.344	0.143	0.327	1	13
Sec11c	0.00200178	0.784	0.558	0.533	1	13
Pdim5	0.00200466	-0.289	0.169	0.377	1	13
Itm2b	0.00203766	-0.692	0.61	0.786	1	13
Ehbp111	0.00204134	-0.423	0.143	0.322	1	13
Ankrd13a	0.00210366	0.389	0.584	0.48	1	13
Ccdc12	0.00213631	-0.332	0.143	0.329	1	13
Ddb1	0.00215897	0.634	0.429	0.332	1	13
Csnk1d	0.00221338	-0.384	0.377	0.572	1	13
Leprotil1	0.00228165	-0.406	0.195	0.381	1	13
Lnpep	0.00228992	0.532	0.545	0.461	1	13
Tes	0.00231923	-0.456	0.325	0.537	1	13

Gnl3	0.00232977	0.766	0.519	0.42	1	13
Rbm26	0.00236012	0.570	0.338	0.223	1	13
Ttc14	0.0023724	0.538	0.351	0.237	1	13
Phf2	0.00237641	0.554	0.299	0.192	1	13
Ppia	0.00238037	0.346	0.909	0.817	1	13
Fundc2	0.00238948	-0.293	0.143	0.318	1	13
Dynlrb1	0.00239363	-0.370	0.286	0.486	1	13
Sf3b5	0.00253574	-0.294	0.117	0.282	1	13
Epn1	0.00255653	-0.254	0.156	0.342	1	13
Mrps6	0.00256955	-0.353	0.104	0.266	1	13
Vmp1	0.00259006	-0.640	0.338	0.534	1	13
Washc5	0.00261258	-0.288	0.104	0.267	1	13
Vapb	0.00264457	-0.261	0.143	0.325	1	13
Mfsd14a	0.00265216	0.564	0.351	0.242	1	13
Tmem65	0.00270899	-0.312	0.117	0.288	1	13
Tcirg1	0.00273181	-0.450	0.312	0.496	1	13
Arf2	0.00273285	-0.277	0.117	0.284	1	13
Clic4	0.00273896	0.390	0.701	0.62	1	13
Reep5	0.00274428	0.608	0.623	0.614	1	13
Per1	0.00275226	-0.414	0.117	0.282	1	13
Cpne2	0.00275635	-0.381	0.104	0.264	1	13
Snrpb2	0.00277332	-0.350	0.26	0.464	1	13
Nfat5	0.00279228	-0.298	0.234	0.446	1	13
Tgoln1	0.00280144	0.395	0.675	0.642	1	13
Retreg3	0.00280192	0.549	0.364	0.26	1	13
U2af2	0.00281589	0.422	0.688	0.671	1	13
Zfp644	0.00282478	0.433	0.273	0.164	1	13
Fnip1	0.00283527	-0.495	0.377	0.561	1	13
Pum1	0.00283794	0.471	0.519	0.421	1	13
Lin7c	0.00285843	0.576	0.416	0.311	1	13
Hcfc1r1	0.00286807	-0.335	0.143	0.317	1	13
Man1a	0.00287902	0.617	0.506	0.402	1	13
Rbm39	0.00289435	0.423	0.922	0.885	1	13
Sap18	0.00290906	-0.464	0.299	0.506	1	13
Ap2s1	0.00294481	-0.316	0.182	0.371	1	13
Cops8	0.00302228	-0.252	0.13	0.302	1	13
Dync1i2	0.00302578	-0.287	0.338	0.534	1	13
Rab5c	0.00302709	-0.412	0.442	0.607	1	13
Pin4	0.00304087	-0.306	0.117	0.272	1	13
Creld2	0.00304791	0.653	0.377	0.279	1	13
Rsu1	0.00305039	-0.343	0.208	0.39	1	13
Vasp	0.00307215	0.309	0.727	0.645	1	13
Eif3e	0.00315757	0.441	0.662	0.572	1	13
Gak	0.00316226	-0.266	0.156	0.34	1	13
Tcerg1	0.00319846	0.497	0.468	0.361	1	13
Ggps1	0.00320538	0.475	0.273	0.171	1	13

Laptm5	0.00322985	0.345	0.831	0.862	1	13
Hccs	0.00325066	-0.320	0.13	0.3	1	13
Mga	0.00328788	0.515	0.325	0.214	1	13
Hnrnpr	0.00331937	0.596	0.338	0.23	1	13
Anp32e	0.00339689	0.485	0.532	0.433	1	13
B4galnt1	0.00342432	0.725	0.403	0.313	1	13
Slamf7	0.00354505	-0.453	0.169	0.337	1	13
Prpf39	0.00354649	0.579	0.39	0.275	1	13
B4galt1	0.00354736	0.640	0.532	0.469	1	13
Atp5k	0.0035614	-0.346	0.325	0.529	1	13
Sirt2	0.00357448	-0.275	0.208	0.405	1	13
Mfsd14b	0.00358695	-0.300	0.104	0.264	1	13
Dedd2	0.00359359	-0.712	0.169	0.334	1	13
Snhg6	0.00362755	-0.280	0.143	0.315	1	13
Bloc1s2	0.00366764	0.436	0.286	0.181	1	13
Ppil4	0.00369768	0.650	0.351	0.244	1	13
Pbdc1	0.0038173	-0.262	0.117	0.285	1	13
Gusb	0.00382568	-0.353	0.221	0.39	1	13
Crebbp	0.00383037	0.443	0.584	0.481	1	13
St3gal1	0.00383417	-0.451	0.273	0.475	1	13
Gmfg	0.00389364	-0.403	0.221	0.402	1	13
Uqcrb	0.00407125	-0.455	0.455	0.582	1	13
Chka	0.00407907	-0.683	0.286	0.463	1	13
Lpin2	0.00417836	-0.401	0.117	0.271	1	13
Hnrnpa0	0.00423568	0.399	0.727	0.679	1	13
Rps271	0.00430996	-0.472	0.312	0.473	1	13
Rpl32	0.00435362	0.388	0.974	0.805	1	13
Tcn2	0.00436509	-0.323	0.13	0.29	1	13
Dnmt3a	0.00437473	-0.438	0.117	0.268	1	13
Sptbn1	0.00439315	0.708	0.325	0.218	1	13
Xrn2	0.00452937	0.534	0.532	0.457	1	13
Asl	0.00453758	-0.340	0.104	0.251	1	13
Ost4	0.00457347	-0.450	0.442	0.583	1	13
Arl6ip1	0.00462962	0.398	0.753	0.636	1	13
Oser1	0.00467029	-0.383	0.26	0.453	1	13
Srrm2	0.00470443	0.440	0.753	0.75	1	13
Chmp4b	0.00470895	-0.368	0.571	0.74	1	13
Rnps1	0.00482782	0.501	0.481	0.392	1	13
Kif5b	0.00484175	0.566	0.688	0.629	1	13
Csde1	0.0048893	0.403	0.792	0.725	1	13
Tbca	0.00490639	-0.394	0.351	0.513	1	13
Cmpk1	0.00496222	-0.402	0.299	0.467	1	13
Prdx2	0.00497206	-0.360	0.377	0.548	1	13
Nr3c1	0.00498287	-0.674	0.221	0.388	1	13
Slf2	0.00501204	0.520	0.286	0.187	1	13
Pabpc1	0.00501463	0.317	0.987	0.932	1	13

Snx9	0.0050572	0.509	0.545	0.449	1	13
Cox7a2l	0.00509271	0.662	0.558	0.498	1	13
Aldh2	0.00509316	0.683	0.429	0.34	1	13
Uap1	0.0051021	-0.425	0.169	0.342	1	13
Atf6	0.00512296	0.555	0.416	0.326	1	13
Nfkbib	0.00527207	-0.393	0.338	0.524	1	13
Trp53	0.00531681	0.504	0.442	0.351	1	13
Uggt1	0.0053285	0.629	0.312	0.218	1	13
Fem1b	0.00542215	-0.369	0.117	0.265	1	13
Rtn4	0.00543164	-0.454	0.494	0.628	1	13
Erlin1	0.00543822	0.515	0.286	0.189	1	13
Mafk	0.00549521	-0.584	0.273	0.447	1	13
Ganab	0.00551454	0.514	0.403	0.315	1	13
Adprh	0.00562504	-0.276	0.104	0.25	1	13
Map2k4	0.00562647	-0.399	0.156	0.319	1	13
Cd47	0.00562938	0.628	0.636	0.648	1	13
Zyx	0.00564829	-0.447	0.377	0.56	1	13
Rab6a	0.00569146	-0.374	0.312	0.51	1	13
Xist	0.00575104	0.319	0.818	0.808	1	13
Sdhc	0.00576777	-0.310	0.156	0.308	1	13
0610012G03Rik	0.00577165	-0.254	0.156	0.317	1	13
Srgn	0.00584869	-0.852	0.935	0.962	1	13
Lta4h	0.00585497	-0.286	0.117	0.273	1	13
6-Sep	0.00588484	0.524	0.299	0.194	1	13
Ctdnep1	0.00590118	-0.328	0.208	0.383	1	13
D16Erd472e	0.00592536	-0.816	0.169	0.307	1	13
Rpl24	0.00601308	0.271	0.922	0.792	1	13
Psmb9	0.00602984	-0.326	0.117	0.26	1	13
Fam96a	0.00610504	-0.252	0.195	0.36	1	13
Gsto1	0.0061178	-0.285	0.195	0.382	1	13
Kidins220	0.00612669	0.404	0.286	0.185	1	13
Hnrnpdl	0.00622383	0.422	0.649	0.625	1	13
Trim25	0.00623362	0.485	0.649	0.599	1	13
Gabpb2	0.00624299	0.844	0.273	0.179	1	13
Dusp5	0.00627199	-0.510	0.61	0.768	1	13
Atp13a2	0.00628294	0.371	0.273	0.179	1	13
Tubb4b	0.00636842	0.730	0.571	0.5	1	13
Hnrnpul1	0.00640895	0.617	0.558	0.531	1	13
Dhx15	0.00647923	0.407	0.623	0.583	1	13
Trip12	0.00652415	-0.325	0.286	0.486	1	13
Slc9a3r1	0.0065799	-0.340	0.273	0.47	1	13
Gpr183	0.00659268	0.297	0.299	0.188	1	13
Anp32a	0.0065943	-0.457	0.39	0.587	1	13
Psm2	0.00661157	-0.271	0.247	0.423	1	13
Cnot6l	0.0066411	0.773	0.429	0.341	1	13
Med13l	0.00667904	-0.315	0.247	0.428	1	13



Rpl10	0.00669651	0.373	0.779	0.766	1	13
Cdkn1b	0.00671821	0.304	0.545	0.456	1	13
Cop1	0.00675775	0.457	0.377	0.287	1	13
Yy1	0.00677678	0.452	0.584	0.547	1	13
Smndc1	0.00681508	0.468	0.519	0.438	1	13
Pttg1ip	0.00683768	-0.337	0.247	0.417	1	13
Sdf2l1	0.00687054	-0.435	0.195	0.339	1	13
Ndufa2	0.00689357	-0.361	0.468	0.658	1	13
Gpnmb	0.00690356	-1.813	0.13	0.255	1	13
Smap2	0.00690456	0.482	0.494	0.41	1	13
Mak16	0.00697334	0.594	0.299	0.213	1	13
Slc16a10	0.0070214	-0.343	0.13	0.282	1	13
Edf1	0.00702798	-0.253	0.351	0.568	1	13
Cyfip1	0.00703736	-0.313	0.195	0.365	1	13
Rps2	0.00703808	0.320	0.922	0.798	1	13
Aebp2	0.00719632	-0.481	0.26	0.424	1	13
Pcyt1a	0.0072139	-0.580	0.299	0.459	1	13
Csnk2a1	0.00725485	0.667	0.377	0.292	1	13
Zfp106	0.00733164	0.722	0.403	0.32	1	13
Ptges3	0.00737649	0.622	0.623	0.578	1	13
Baz1b	0.00742436	0.573	0.416	0.339	1	13
Tmsb10	0.00751693	-0.478	0.766	0.826	1	13
Psmc2	0.00759785	-0.302	0.182	0.343	1	13
Stat2	0.00766234	0.638	0.442	0.348	1	13
Dcaf7	0.00768101	0.438	0.416	0.32	1	13
Hsbp1	0.00773108	-0.266	0.221	0.38	1	13
Cnn2	0.00774043	-0.679	0.286	0.424	1	13
Rnf38	0.00778242	0.440	0.325	0.224	1	13
2310022A10Rik	0.00779511	-0.346	0.156	0.309	1	13
Bcl3	0.00789707	0.592	0.455	0.365	1	13
Smim14	0.00790446	0.481	0.39	0.309	1	13
Skp1a	0.00791791	0.554	0.545	0.493	1	13
Lcp1	0.00801715	-0.413	0.766	0.792	1	13
Atxn7l3b	0.00802531	0.505	0.403	0.319	1	13
Pde4b	0.00805466	-0.278	0.364	0.565	1	13
Samd4b	0.00815169	-0.373	0.195	0.35	1	13
Chmp5	0.00818772	-0.276	0.195	0.356	1	13
Pan3	0.0082259	0.500	0.468	0.386	1	13
Dnajc15	0.00824464	-0.263	0.143	0.298	1	13
Rnf213	0.00829922	-0.708	0.169	0.313	1	13
Sp3	0.00843479	0.511	0.455	0.396	1	13
11-Sep	0.00843559	0.356	0.429	0.322	1	13
Zfp52	0.00846223	-0.406	0.169	0.324	1	13
Ndufv3	0.0085358	-0.265	0.273	0.472	1	13
Irf5	0.00854852	-0.264	0.117	0.265	1	13
Nfatc1	0.00855781	0.341	0.325	0.222	1	13

Hnrnpk	0.00858135	0.368	0.779	0.771	1	13
Pdcd6	0.00861432	-0.254	0.286	0.471	1	13
Arglu1	0.00865124	0.521	0.506	0.447	1	13
Cct2	0.00881551	0.423	0.623	0.542	1	13
Nfkbid	0.00885405	1.273	0.39	0.293	1	13
Gpbp111	0.00889765	0.507	0.312	0.215	1	13
Emp3	0.00893972	-0.367	0.519	0.674	1	13
Snw1	0.0089597	0.590	0.545	0.465	1	13
Mettl23	0.00910479	0.447	0.273	0.183	1	13
Kdm6b	0.00913025	-0.346	0.688	0.812	1	13
Drap1	0.00919388	-0.337	0.273	0.449	1	13
Kdm7a	0.00929432	-0.406	0.312	0.487	1	13
Erp29	0.00933017	-0.298	0.286	0.461	1	13
Sec63	0.00949118	0.517	0.416	0.344	1	13
Tmx1	0.00949468	0.502	0.364	0.282	1	13
Irak2	0.00958799	-0.471	0.299	0.472	1	13
Phip	0.00972008	0.663	0.377	0.278	1	13
Rftn1	0.00975538	0.638	0.377	0.304	1	13
Rpl11	0.00983637	0.296	0.831	0.779	1	13
Nono	0.00984921	0.421	0.558	0.505	1	13
Smc3	0.00994525	0.612	0.481	0.404	1	13
Stx4a	0.00996121	-0.259	0.156	0.314	1	13
Fkbp10	0	0.821	0.375	0.001	0	14
Gpx8	4.55E-275	0.585	0.312	0.001	1.13E-270	14
Lamb1	1.51E-256	0.770	0.25	0	3.75E-252	14
Hspg2	2.01E-231	0.791	0.312	0.001	4.99E-227	14
Prss23	4.03E-217	1.191	0.25	0.001	1.00E-212	14
Csgalnact1	7.46E-217	0.333	0.25	0.001	1.85E-212	14
Lhfp	9.39E-217	0.347	0.25	0.001	2.33E-212	14
Sparcl1	2.06E-200	1.982	0.438	0.004	5.12E-196	14
Sdc2	5.06E-200	0.906	0.312	0.002	1.26E-195	14
Col6a2	3.22E-188	1.239	0.25	0.001	8.01E-184	14
Ctgf	7.53E-188	1.752	0.281	0.002	1.87E-183	14
Aebp1	1.32E-176	2.090	0.406	0.004	3.28E-172	14
Serpinh1	7.41E-146	2.565	0.625	0.016	1.84E-141	14
Tm4sf1	2.82E-145	2.079	0.5	0.009	7.01E-141	14
Adamts5	4.15E-141	1.218	0.25	0.002	1.03E-136	14
Cavin3	6.18E-141	1.132	0.25	0.002	1.53E-136	14
Fbln2	3.39E-134	2.545	0.25	0.002	8.43E-130	14
Mxra8	6.89E-132	0.966	0.281	0.003	1.71E-127	14
Osmr	5.84E-128	0.332	0.25	0.002	1.45E-123	14
Cpe	1.34E-126	1.895	0.5	0.011	3.33E-122	14
Cyr61	1.36E-125	2.566	0.406	0.007	3.39E-121	14
S100a16	1.18E-122	1.099	0.281	0.003	2.92E-118	14
Wwtr1	1.19E-122	1.099	0.406	0.007	2.96E-118	14
Adam12	3.58E-122	0.618	0.25	0.002	8.90E-118	14

Timp3	1.85E-112	0.979	0.344	0.006	4.59E-108	14
Vgll3	3.43E-112	1.051	0.375	0.007	8.51E-108	14
Ddah1	3.61E-108	0.415	0.25	0.003	8.97E-104	14
Fst	4.68E-100	0.486	0.25	0.003	1.16E-95	14
Rhoj	2.81E-98	1.036	0.375	0.008	6.99E-94	14
Sspn	1.89E-96	0.357	0.25	0.003	4.70E-92	14
Nid1	9.89E-94	1.917	0.281	0.004	2.46E-89	14
Npdc1	1.25E-93	0.349	0.25	0.003	3.11E-89	14
Phldb2	2.96E-93	0.498	0.25	0.003	7.35E-89	14
Lox	2.14E-85	2.115	0.25	0.004	5.33E-81	14
Fstl1	2.90E-85	2.839	0.344	0.008	7.20E-81	14
Dclk1	2.95E-83	1.657	0.5	0.018	7.33E-79	14
Kdelr3	2.67E-82	0.630	0.312	0.007	6.64E-78	14
Ddr2	2.96E-82	0.799	0.281	0.005	7.34E-78	14
Cald1	5.22E-82	1.287	0.406	0.012	1.30E-77	14
Loxl2	5.43E-82	1.422	0.438	0.014	1.35E-77	14
Adamts1	6.03E-81	2.072	0.281	0.005	1.50E-76	14
Fermt2	8.18E-81	1.154	0.438	0.014	2.03E-76	14
Fbln5	4.63E-78	1.073	0.375	0.011	1.15E-73	14
Ppic	4.70E-78	1.918	0.438	0.015	1.17E-73	14
Cdr2l	1.22E-77	0.482	0.25	0.004	3.04E-73	14
Cd34	1.46E-76	1.220	0.312	0.007	3.63E-72	14
Parva	1.91E-75	0.320	0.25	0.004	4.74E-71	14
Bmp1	5.75E-74	1.095	0.281	0.006	1.43E-69	14
Ackr3	1.32E-73	1.414	0.25	0.005	3.28E-69	14
Col18a1	6.46E-72	0.947	0.281	0.006	1.61E-67	14
Tead1	3.48E-69	0.764	0.281	0.007	8.65E-65	14
S100b	2.00E-68	2.075	0.406	0.015	4.97E-64	14
Cryab	1.17E-64	1.543	0.438	0.018	2.90E-60	14
Pard3	1.46E-64	0.484	0.281	0.007	3.64E-60	14
Sparc	3.19E-62	4.996	0.5	0.026	7.94E-58	14
Sgce	3.80E-62	0.758	0.25	0.006	9.45E-58	14
Dlc1	4.74E-62	0.576	0.25	0.006	1.18E-57	14
Syt4	2.69E-61	2.940	0.562	0.033	6.67E-57	14
Bace2	1.81E-59	1.459	0.344	0.012	4.50E-55	14
Ndrp4	6.37E-59	0.638	0.312	0.01	1.58E-54	14
Fkbp9	8.96E-59	1.455	0.5	0.027	2.22E-54	14
Col4a2	1.37E-57	1.411	0.281	0.008	3.40E-53	14
Gulp1	1.56E-54	0.487	0.25	0.007	3.86E-50	14
Ak1	1.18E-48	0.983	0.281	0.01	2.92E-44	14
Arhgap29	9.62E-48	0.416	0.25	0.008	2.39E-43	14
Nedd4	1.19E-47	2.108	0.75	0.08	2.97E-43	14
Nfib	5.12E-46	0.549	0.281	0.01	1.27E-41	14
Gfpt2	7.85E-46	1.765	0.281	0.011	1.95E-41	14
Mlana	1.45E-45	2.347	0.531	0.04	3.60E-41	14
Slc45a2	3.69E-45	1.602	0.25	0.008	9.17E-41	14

Tcf711	4.12E-45	0.547	0.25	0.008	1.02E-40	14
Igfbp7	1.64E-44	3.693	0.312	0.014	4.07E-40	14
Slc24a5	1.60E-41	1.374	0.281	0.012	3.97E-37	14
Sox10	5.68E-41	1.412	0.312	0.015	1.41E-36	14
Gstm2	2.04E-40	1.008	0.344	0.018	5.07E-36	14
Sod3	2.46E-40	2.168	0.25	0.009	6.11E-36	14
Yap1	2.56E-40	0.556	0.281	0.012	6.36E-36	14
Dmwd	6.15E-40	0.333	0.25	0.009	1.53E-35	14
Me1	1.21E-39	1.074	0.312	0.015	3.01E-35	14
Ptgds	6.91E-39	3.981	0.5	0.042	1.72E-34	14
Plod2	9.35E-39	1.439	0.469	0.035	2.32E-34	14
Tyrp1	1.35E-38	3.476	0.594	0.06	3.35E-34	14
Ttc28	2.65E-38	0.548	0.344	0.019	6.59E-34	14
Ly6c1	2.43E-37	2.118	0.312	0.016	6.03E-33	14
Cav1	2.48E-36	0.978	0.312	0.017	6.15E-32	14
Snca	7.37E-36	1.637	0.344	0.021	1.83E-31	14
Cavin1	2.31E-35	1.428	0.438	0.035	5.73E-31	14
Ctnn	1.42E-34	0.974	0.406	0.03	3.52E-30	14
Ndrp2	3.14E-34	0.368	0.25	0.011	7.80E-30	14
Rhbdf1	9.86E-34	0.450	0.344	0.022	2.45E-29	14
Lrrn4cl	2.68E-33	0.623	0.25	0.011	6.65E-29	14
Rab38	6.18E-33	0.916	0.312	0.019	1.54E-28	14
Spats2	3.83E-32	0.988	0.281	0.015	9.52E-28	14
Rbfox2	7.78E-31	0.638	0.281	0.016	1.93E-26	14
Pls3	2.61E-28	0.766	0.344	0.026	6.47E-24	14
Pmel	7.87E-28	4.781	0.469	0.052	1.95E-23	14
Amotl2	9.05E-28	0.789	0.281	0.018	2.25E-23	14
Serpinf1	1.83E-27	1.706	0.25	0.014	4.54E-23	14
Espn	5.70E-27	1.702	0.375	0.033	1.42E-22	14
Amotl1	6.12E-27	1.199	0.312	0.023	1.52E-22	14
Fkbp11	3.14E-26	0.310	0.25	0.015	7.80E-22	14
Dct	3.56E-26	5.609	0.719	0.132	8.84E-22	14
Col3a1	4.48E-26	4.433	0.25	0.015	1.11E-21	14
Maged1	4.66E-26	1.528	0.5	0.062	1.16E-21	14
Smo	1.40E-25	0.674	0.281	0.019	3.47E-21	14
Nckap1	7.37E-25	0.636	0.375	0.035	1.83E-20	14
Colla2	7.92E-25	4.555	0.25	0.016	1.97E-20	14
Plat	2.16E-23	0.786	0.25	0.017	5.37E-19	14
Gnb5	4.41E-23	0.504	0.25	0.017	1.09E-18	14
Fkbp7	1.06E-22	0.478	0.25	0.018	2.64E-18	14
Mylk	1.42E-22	1.060	0.25	0.017	3.54E-18	14
Mpz11	2.06E-21	1.127	0.312	0.029	5.10E-17	14
Car6	3.91E-21	2.239	0.375	0.043	9.70E-17	14
Efemp2	5.98E-21	0.910	0.25	0.019	1.49E-16	14
Sox4	8.70E-21	1.362	0.344	0.036	2.16E-16	14
Camk2n1	1.28E-20	0.571	0.438	0.053	3.17E-16	14

Col4a1	3.22E-20	2.013	0.281	0.025	8.00E-16	14
Spry2	4.60E-20	1.628	0.406	0.051	1.14E-15	14
Car9	7.93E-20	1.999	0.312	0.032	1.97E-15	14
Rcn1	2.16E-19	0.813	0.375	0.045	5.38E-15	14
Chchd10	4.93E-19	2.189	0.562	0.104	1.22E-14	14
Cnn3	5.37E-19	1.411	0.594	0.118	1.33E-14	14
Lix1l	8.15E-18	0.493	0.344	0.041	2.02E-13	14
Nckap5l	1.00E-17	0.947	0.375	0.048	2.50E-13	14
Erc1	1.89E-17	0.398	0.312	0.034	4.69E-13	14
Dbn1	4.79E-17	0.401	0.312	0.035	1.19E-12	14
Col1a1	1.03E-16	4.787	0.281	0.03	2.57E-12	14
Dcbld2	1.67E-16	0.482	0.25	0.024	4.15E-12	14
Pik3r3	1.85E-16	0.431	0.25	0.023	4.59E-12	14
Copz2	2.96E-16	0.474	0.281	0.031	7.36E-12	14
P4ha2	3.57E-16	0.463	0.344	0.044	8.87E-12	14
Crip2	5.71E-16	1.286	0.344	0.046	1.42E-11	14
Gng11	6.01E-16	1.219	0.312	0.039	1.49E-11	14
Rcn3	6.50E-16	0.743	0.312	0.038	1.61E-11	14
Tpm1	7.45E-16	2.141	0.75	0.235	1.85E-11	14
Arhgap6	1.02E-15	0.266	0.281	0.031	2.53E-11	14
Prnp	2.09E-15	1.136	0.531	0.111	5.20E-11	14
Rhoc	4.30E-15	1.470	0.625	0.164	1.07E-10	14
Plpp3	1.50E-14	1.909	0.281	0.035	3.71E-10	14
Akr1b8	2.29E-14	0.339	0.281	0.033	5.69E-10	14
Abhd14b	2.95E-14	0.385	0.312	0.041	7.32E-10	14
Enah	3.49E-14	0.757	0.469	0.087	8.68E-10	14
Josd2	1.09E-13	0.918	0.375	0.061	2.70E-09	14
Cfl2	1.52E-13	1.105	0.5	0.106	3.78E-09	14
Vamp5	1.73E-13	0.644	0.25	0.029	4.30E-09	14
Plagl1	2.06E-13	1.379	0.469	0.096	5.13E-09	14
Scd2	2.79E-13	1.668	0.719	0.227	6.93E-09	14
Srgn	2.85E-13	-2.468	0.469	0.964	7.08E-09	14
Plpp1	4.22E-13	0.484	0.25	0.03	1.05E-08	14
Tulp3	7.83E-13	0.537	0.312	0.045	1.95E-08	14
Pkd1	8.57E-13	0.832	0.375	0.063	2.13E-08	14
Ahi1	9.37E-13	0.340	0.281	0.037	2.33E-08	14
Tmsb4x	9.97E-13	-2.123	0.656	0.974	2.48E-08	14
Bod1	2.18E-12	1.129	0.562	0.144	5.41E-08	14
Ctps	2.73E-12	0.474	0.312	0.048	6.78E-08	14
Mt2	3.49E-12	2.490	0.938	0.523	8.68E-08	14
GpnmB	5.24E-12	3.395	0.719	0.251	1.30E-07	14
Hmgn1	5.53E-12	1.572	0.781	0.323	1.37E-07	14
Laptm5	7.53E-12	-2.109	0.312	0.864	1.87E-07	14
Wipi1	8.53E-12	0.603	0.312	0.05	2.12E-07	14
Cd53	9.54E-12	-2.368	0.281	0.813	2.37E-07	14
Ldhd	1.29E-11	1.237	0.281	0.043	3.20E-07	14

Cbx3	1.48E-11	1.234	0.938	0.404	3.69E-07	14
Mfge8	1.76E-11	0.751	0.375	0.072	4.38E-07	14
Cd63	1.94E-11	1.615	0.969	0.471	4.82E-07	14
Tm7sf3	2.76E-11	0.909	0.406	0.086	6.85E-07	14
Pcgf2	2.84E-11	0.574	0.281	0.042	7.06E-07	14
Fscn1	2.94E-11	-0.505	0.375	0.067	7.31E-07	14
Btg1	3.38E-11	-1.919	0.562	0.926	8.39E-07	14
Lcp1	4.42E-11	-2.202	0.219	0.795	1.10E-06	14
Arl6	4.59E-11	0.253	0.281	0.042	1.14E-06	14
Ctss	5.53E-11	-3.561	0.25	0.777	1.37E-06	14
Cd52	6.60E-11	-1.225	0.25	0.84	1.64E-06	14
Cyb5a	1.37E-10	1.449	0.781	0.395	3.41E-06	14
Slc43a3	1.46E-10	0.620	0.312	0.055	3.64E-06	14
Cd109	1.47E-10	0.606	0.25	0.037	3.65E-06	14
Scn1b	1.56E-10	0.562	0.312	0.054	3.88E-06	14
Smco4	2.63E-10	0.416	0.375	0.075	6.53E-06	14
Gnas	3.15E-10	1.107	0.969	0.821	7.82E-06	14
Csrp2	3.89E-10	0.724	0.344	0.067	9.67E-06	14
Cdk2	3.90E-10	1.411	0.562	0.175	9.68E-06	14
Sccpdh	4.01E-10	0.680	0.312	0.056	9.97E-06	14
C4b	4.39E-10	1.046	0.344	0.069	1.09E-05	14
Hes1	4.43E-10	1.509	0.344	0.068	1.10E-05	14
Mlf2	6.38E-10	1.199	0.906	0.488	1.59E-05	14
Lbh	7.67E-10	1.331	0.688	0.243	1.91E-05	14
Ryk	8.99E-10	0.624	0.25	0.039	2.23E-05	14
Fth1	9.73E-10	-2.410	0.938	0.984	2.42E-05	14
Wasl	1.01E-09	1.381	0.562	0.186	2.52E-05	14
Selenom	1.04E-09	0.602	0.344	0.07	2.58E-05	14
Cops7a	1.25E-09	0.900	0.5	0.145	3.11E-05	14
Zbtb20	1.27E-09	0.949	0.406	0.096	3.15E-05	14
Tyrobp	1.46E-09	-2.443	0.25	0.722	3.62E-05	14
Plek	1.47E-09	-2.386	0.188	0.706	3.65E-05	14
Serp1b1a	1.58E-09	1.717	0.281	0.049	3.92E-05	14
Comt	1.69E-09	1.105	0.688	0.275	4.19E-05	14
Ppfibp1	2.00E-09	1.193	0.406	0.105	4.97E-05	14
H1f0	2.22E-09	1.072	0.594	0.188	5.52E-05	14
Mapre3	2.29E-09	0.300	0.25	0.039	5.70E-05	14
Gjal	2.71E-09	0.734	0.25	0.04	6.72E-05	14
Gabarapl1	2.74E-09	1.411	0.781	0.325	6.80E-05	14
Mrpl17	3.02E-09	0.942	0.5	0.143	7.51E-05	14
Hspb1	3.13E-09	1.094	0.281	0.051	7.77E-05	14
Actb	3.57E-09	-1.224	1	0.99	8.88E-05	14
Mrpl13	3.62E-09	1.061	0.625	0.212	8.98E-05	14
Il1r1	3.69E-09	0.630	0.281	0.05	9.17E-05	14
Snhg6	3.82E-09	1.184	0.688	0.311	9.50E-05	14
Slnf2	3.85E-09	-2.391	0.312	0.733	9.57E-05	14

Tubal1a	5.08E-09	2.191	0.719	0.365	0.00012628	14
Ptprc	5.26E-09	-1.909	0.25	0.759	0.000130658	14
Rplp1	6.28E-09	0.832	1	0.899	0.000156057	14
Pam	6.88E-09	0.827	0.312	0.068	0.000170926	14
Nfia	7.60E-09	0.549	0.25	0.042	0.000188819	14
Tom1l2	7.61E-09	1.012	0.281	0.055	0.000189073	14
Arhgef12	8.91E-09	0.472	0.344	0.078	0.000221218	14
Chchd6	9.57E-09	0.727	0.281	0.054	0.000237621	14
Cd81	9.61E-09	1.291	0.625	0.24	0.000238637	14
Mfn1	1.14E-08	0.439	0.406	0.099	0.000283503	14
Coro1a	1.14E-08	-1.763	0.375	0.767	0.000283505	14
Jagn1	1.18E-08	0.836	0.406	0.105	0.000293328	14
Suc1g2	1.20E-08	0.774	0.438	0.12	0.000297006	14
Ift27	1.23E-08	0.395	0.25	0.044	0.00030505	14
Ddah2	1.23E-08	0.270	0.25	0.042	0.00030628	14
Ss18l2	1.27E-08	1.210	0.406	0.107	0.000315326	14
Mmgt2	1.43E-08	0.417	0.281	0.054	0.00035457	14
Rpl32	1.53E-08	1.070	1	0.806	0.000380322	14
Efnb2	1.69E-08	0.675	0.25	0.045	0.000419208	14
S100a1	1.72E-08	1.428	0.562	0.201	0.000426269	14
Creb3l1	1.96E-08	1.397	0.281	0.059	0.000486544	14
Fam162a	2.02E-08	1.627	0.594	0.227	0.000502466	14
Fcer1g	2.17E-08	-2.264	0.375	0.75	0.000538023	14
Smim10l1	2.46E-08	1.044	0.5	0.157	0.000611038	14
Efhd2	2.49E-08	-1.923	0.5	0.751	0.000617877	14
Cd74	2.98E-08	-3.361	0.438	0.778	0.000741266	14
Zbtb10	3.06E-08	0.570	0.312	0.064	0.000761135	14
Lmnbl	3.25E-08	-2.220	0.188	0.658	0.00080736	14
Sorbs3	3.28E-08	0.258	0.281	0.055	0.000814957	14
Zfyve9	3.40E-08	0.257	0.25	0.044	0.000843752	14
Tmsb10	4.97E-08	1.342	0.969	0.825	0.001234706	14
Wwc2	5.62E-08	0.410	0.281	0.057	0.001396765	14
Golim4	5.78E-08	0.452	0.344	0.08	0.00143623	14
Atp5g2	5.82E-08	1.302	0.969	0.635	0.001446325	14
Cytip	5.96E-08	-1.862	0.156	0.661	0.001480684	14
Timp1	7.49E-08	1.141	0.25	0.049	0.00186129	14
Itgb2	9.12E-08	-1.626	0.25	0.704	0.002264539	14
Gna13	9.44E-08	-1.588	0.531	0.813	0.002345823	14
Limal	1.00E-07	1.025	0.531	0.192	0.002484078	14
Cd14	1.04E-07	-2.431	0.188	0.649	0.00257188	14
Ttc3	1.12E-07	0.851	0.469	0.148	0.002781083	14
Serf1	1.17E-07	0.303	0.25	0.047	0.002897624	14
Adam8	1.24E-07	-1.902	0.219	0.673	0.003082219	14
Pgm2	1.28E-07	1.241	0.531	0.192	0.00316846	14
Cystm1	1.44E-07	1.010	0.438	0.135	0.003588392	14
Cxcr4	1.45E-07	-1.873	0.281	0.74	0.003602162	14

Npm1	1.46E-07	1.059	1	0.804	0.003624271	14
Ugp2	1.55E-07	1.858	0.625	0.285	0.003846642	14
Calu	1.67E-07	1.623	0.625	0.333	0.004156516	14
Mif	1.82E-07	1.222	0.875	0.531	0.004531462	14
Sars	1.97E-07	1.221	0.719	0.33	0.004897608	14
Oaf	2.04E-07	0.643	0.344	0.087	0.005068408	14
Ucp2	2.10E-07	-1.555	0.406	0.794	0.00521196	14
Idh2	2.19E-07	1.245	0.469	0.157	0.005435001	14
Rab8b	2.31E-07	-1.591	0.438	0.765	0.005741921	14
Asns	2.31E-07	1.023	0.25	0.052	0.005743887	14
Rnf149	2.33E-07	-2.034	0.406	0.746	0.005793642	14
H6pd	2.40E-07	0.484	0.281	0.064	0.005961704	14
H2-D1	2.60E-07	-1.027	0.875	0.967	0.006449836	14
Pign	2.87E-07	0.341	0.312	0.072	0.007117024	14
Rilpl2	3.04E-07	-1.815	0.156	0.617	0.007542859	14
Cd3eap	3.21E-07	0.701	0.281	0.063	0.007960946	14
Ybx3	3.33E-07	1.150	0.844	0.491	0.008263707	14
Kremen1	3.50E-07	0.440	0.312	0.074	0.008689569	14
Steap3	3.60E-07	0.922	0.375	0.113	0.008950354	14
Eny2	3.68E-07	0.923	0.688	0.308	0.009135797	14
Smyd2	3.88E-07	0.559	0.25	0.052	0.009627315	14
Lgals3	4.22E-07	-2.306	0.656	0.813	0.01048192	14
Serpib6a	4.45E-07	0.975	0.531	0.196	0.01106168	14
Copg1	4.59E-07	0.920	0.625	0.275	0.011406186	14
Ndufa5	4.78E-07	0.982	0.562	0.22	0.011875854	14
Atp2b1	4.93E-07	-1.754	0.438	0.715	0.012249742	14
Ddx1	5.39E-07	0.764	0.469	0.16	0.013393844	14
Igfbp4	5.52E-07	1.624	0.344	0.096	0.013712316	14
H2-K1	5.62E-07	-1.143	0.844	0.949	0.013963014	14
Blzf1	5.66E-07	0.636	0.375	0.102	0.014068801	14
Fundc2	5.69E-07	1.034	0.656	0.314	0.014125007	14
Adm	5.91E-07	1.516	0.281	0.066	0.014677396	14
Csf2ra	6.82E-07	-1.702	0.188	0.615	0.016950895	14
Tmem263	7.79E-07	0.606	0.281	0.065	0.019358173	14
Cd68	8.13E-07	-2.250	0.281	0.642	0.020185039	14
Bsg	8.82E-07	1.680	0.844	0.565	0.021896767	14
Map4k5	9.05E-07	0.448	0.312	0.077	0.022487042	14
Dusp5	9.35E-07	-1.579	0.438	0.767	0.023227698	14
Apoo	9.71E-07	0.551	0.281	0.069	0.024116139	14
Snrnp27	1.02E-06	0.690	0.469	0.163	0.02521853	14
Ccnd2	1.06E-06	1.115	0.719	0.343	0.026328393	14
Pim1	1.19E-06	-1.283	0.625	0.938	0.029469969	14
Pa2g4	1.23E-06	0.883	0.844	0.443	0.030662833	14
Tmem176b	1.26E-06	0.954	0.531	0.208	0.031360461	14
Ndufs7	1.30E-06	0.563	0.406	0.125	0.03218448	14
Vkorc1	1.32E-06	0.283	0.281	0.067	0.03283916	14



Lfng	1.32E-06	-1.521	0.062	0.514	0.032883631	14
Ptms	1.34E-06	0.763	1	0.672	0.033204864	14
Stk39	1.41E-06	0.470	0.344	0.093	0.03509465	14
Zfp560	1.43E-06	0.261	0.25	0.054	0.035529777	14
Sh3bp4	1.47E-06	0.403	0.25	0.053	0.03656577	14
Lilr4b	1.63E-06	-1.376	0.281	0.728	0.040416282	14
Slc25a4	1.63E-06	1.686	0.625	0.364	0.040541337	14
Svbp	1.69E-06	0.607	0.375	0.118	0.042000767	14
Gbe1	1.71E-06	0.793	0.312	0.082	0.042566175	14
Myc	1.74E-06	0.971	0.375	0.112	0.043248859	14
Rap1b	1.79E-06	-1.021	0.656	0.853	0.04442581	14
Tprkb	1.79E-06	0.377	0.375	0.111	0.044548812	14
Cyb5r3	1.79E-06	1.083	0.594	0.302	0.044585977	14
Tsc22d1	1.86E-06	1.004	0.5	0.203	0.046136944	14
Tmem189	2.06E-06	-1.684	0.312	0.628	0.051108878	14
Zmynd19	2.11E-06	0.515	0.25	0.057	0.052393321	14
Cyhr1	2.14E-06	0.811	0.438	0.147	0.053119764	14
Pbx1	2.17E-06	0.333	0.281	0.066	0.053955613	14
Mt1	2.31E-06	1.063	0.938	0.77	0.057300944	14
Rps12	2.34E-06	0.702	1	0.905	0.05812298	14
Id3	2.40E-06	1.066	0.281	0.072	0.059565723	14
Nme1	2.54E-06	1.101	0.75	0.417	0.06315662	14
Mxd1	2.59E-06	-1.534	0.281	0.696	0.06427078	14
Itgam	2.86E-06	-1.971	0.062	0.489	0.07103807	14
Gpr132	2.88E-06	-1.390	0.125	0.577	0.071632013	14
Orc2	2.98E-06	0.459	0.344	0.097	0.073918445	14
Selplg	3.04E-06	-1.379	0.125	0.542	0.075507584	14
Tgif1	3.06E-06	-1.484	0.406	0.765	0.075911446	14
Phlda1	3.43E-06	0.830	0.812	0.476	0.085245207	14
Mrps35	3.63E-06	0.669	0.344	0.1	0.09018998	14
Hacd1	3.78E-06	0.570	0.25	0.057	0.09398612	14
Cox7c	3.89E-06	0.989	0.938	0.736	0.096685736	14
Lage3	3.90E-06	0.547	0.375	0.111	0.096980918	14
Lgals1	4.00E-06	0.839	0.969	0.703	0.099271308	14
Gkap1	4.05E-06	0.430	0.25	0.06	0.10053449	14
Syng1	4.08E-06	1.201	0.281	0.079	0.101401622	14
Eri3	4.21E-06	0.363	0.25	0.057	0.104528314	14
Pyurf	4.33E-06	0.708	0.312	0.086	0.107461287	14
Mcl1	4.48E-06	-1.150	0.688	0.896	0.111258919	14
Krtcap2	4.59E-06	1.014	0.719	0.481	0.114030145	14
Creb3l2	4.82E-06	0.674	0.281	0.072	0.119653697	14
Ran	4.86E-06	1.010	0.906	0.71	0.120665494	14
Wdr12	4.98E-06	0.756	0.344	0.102	0.12382108	14
H2-Ab1	4.99E-06	-3.546	0.406	0.669	0.123987448	14
Mbp	5.08E-06	1.039	0.469	0.181	0.126268764	14
Litaf	5.11E-06	-1.214	0.625	0.822	0.127028604	14

Slc15a3	5.14E-06	-1.484	0.094	0.498	0.12762086	14
Dbi	5.35E-06	1.770	0.844	0.563	0.132870362	14
Vps37b	5.48E-06	-1.805	0.25	0.627	0.135993604	14
Mcrip1	5.62E-06	0.950	0.5	0.204	0.139596306	14
Fbxo7	5.75E-06	0.452	0.375	0.117	0.142846438	14
St3gal6	5.77E-06	0.397	0.25	0.059	0.14322987	14
B2m	5.85E-06	-0.841	0.969	0.978	0.145425932	14
Nrros	6.02E-06	-1.483	0.062	0.482	0.149614284	14
Zcchc10	6.23E-06	0.808	0.438	0.161	0.154628233	14
Cpox	6.24E-06	0.728	0.438	0.159	0.15502211	14
Ctnnb1	6.34E-06	1.205	0.875	0.618	0.157548033	14
Tsen34	6.49E-06	0.429	0.344	0.102	0.161263809	14
Cdk4	6.49E-06	0.730	0.594	0.268	0.161325661	14
Rrn3	6.51E-06	0.816	0.375	0.129	0.161584748	14
Fam8a1	6.58E-06	0.300	0.281	0.071	0.163422263	14
Fxyd5	6.58E-06	-1.250	0.469	0.764	0.163534194	14
Ndufa4	6.59E-06	1.176	0.781	0.509	0.163654313	14
Fyb	6.65E-06	-1.198	0.281	0.656	0.165292522	14
Rai14	6.76E-06	0.438	0.25	0.06	0.167956801	14
Shmt2	6.84E-06	1.078	0.438	0.168	0.169876146	14
Ruvbl1	6.93E-06	0.327	0.312	0.087	0.17206201	14
Rpl31	6.93E-06	0.633	0.969	0.843	0.172066394	14
Ccr1	7.42E-06	-2.031	0.094	0.51	0.184189141	14
Rras	7.42E-06	0.470	0.344	0.109	0.184235526	14
Mrpl51	7.73E-06	1.057	0.5	0.214	0.19193807	14
Pgk1	7.86E-06	2.013	0.938	0.722	0.195328798	14
Cox7b	8.04E-06	1.108	0.875	0.566	0.199689649	14
Sgcb	8.46E-06	0.523	0.281	0.076	0.210015839	14
Illrn	8.71E-06	-2.619	0.094	0.519	0.216342937	14
Lyz2	8.80E-06	-3.935	0.312	0.604	0.218683587	14
Ifi27	8.84E-06	0.783	0.5	0.2	0.219458312	14
Mprip	9.08E-06	0.669	0.406	0.143	0.225595409	14
Hdhd2	9.13E-06	0.581	0.25	0.063	0.226873641	14
Pebp1	9.41E-06	1.044	0.656	0.374	0.233818991	14
Mtch1	9.63E-06	1.137	0.594	0.321	0.239263494	14
Tbrg1	9.74E-06	0.679	0.531	0.228	0.241832546	14
Ms4a6c	1.01E-05	-2.007	0.094	0.476	0.251436386	14
Pde4b	1.02E-05	-1.654	0.219	0.564	0.252190161	14
Uchl3	1.03E-05	0.793	0.406	0.155	0.256592762	14
Tmem176a	1.09E-05	0.661	0.438	0.163	0.27077326	14
Eif2s2	1.10E-05	0.743	0.875	0.648	0.27235844	14
Tspan31	1.15E-05	0.719	0.562	0.247	0.285963932	14
Eml2	1.16E-05	0.500	0.25	0.062	0.288041682	14
Alg2	1.17E-05	0.637	0.312	0.094	0.291738308	14
Spi1	1.21E-05	-1.495	0.219	0.568	0.299526405	14
Plbd1	1.25E-05	-1.779	0.062	0.46	0.30994956	14

Slc25a5	1.26E-05	0.752	0.969	0.69	0.31246469	14
Epb41l4aos	1.28E-05	0.682	0.406	0.149	0.318814259	14
Ppia	1.30E-05	1.143	1	0.818	0.3220575	14
Hcls1	1.31E-05	-1.085	0.156	0.561	0.326429476	14
Rhou	1.35E-05	0.853	0.281	0.077	0.335131143	14
Fcgr3	1.37E-05	-1.706	0.125	0.506	0.341057838	14
Akr1e1	1.39E-05	0.327	0.25	0.063	0.344277505	14
Mpeg1	1.41E-05	-1.845	0.062	0.447	0.349793036	14
Atp5o	1.47E-05	1.325	0.844	0.536	0.365717246	14
Bhlhe41	1.51E-05	0.618	0.312	0.092	0.373953321	14
Csrp1	1.64E-05	1.211	0.594	0.297	0.408508919	14
Bcl2l11	1.65E-05	-1.605	0.312	0.618	0.409012212	14
Bmi1	1.67E-05	0.588	0.406	0.143	0.413708046	14
Serpine1	1.72E-05	1.276	0.312	0.096	0.426995994	14
Acvr1	1.73E-05	0.547	0.281	0.079	0.430204423	14
Cadm1	1.74E-05	1.222	0.344	0.119	0.432447924	14
Sh3bgrl3	1.75E-05	-1.075	0.656	0.845	0.433495731	14
Spr	1.75E-05	0.519	0.375	0.127	0.434144778	14
Cd83	1.80E-05	-1.472	0.031	0.429	0.446249811	14
Rbpms	1.80E-05	0.600	0.312	0.092	0.448031301	14
Ly86	1.86E-05	-1.627	0.094	0.473	0.463127116	14
Sdhb	1.90E-05	0.980	0.688	0.36	0.470801157	14
Vdac1	1.91E-05	1.204	0.781	0.484	0.475263897	14
Syk	2.01E-05	-1.495	0.188	0.525	0.498248237	14
Stard4	2.02E-05	0.564	0.469	0.176	0.502235031	14
Rpl27-ps3	2.03E-05	0.865	0.719	0.432	0.505466882	14
Cybb	2.15E-05	-2.036	0.031	0.415	0.533472269	14
Pja2	2.19E-05	0.649	0.375	0.138	0.54339394	14
Fam49b	2.21E-05	-1.143	0.281	0.607	0.549426736	14
Praf2	2.34E-05	0.286	0.344	0.11	0.582342386	14
Bag5	2.41E-05	0.488	0.375	0.122	0.597407203	14
Slc37a3	2.42E-05	0.325	0.25	0.064	0.60174322	14
Cln3	2.48E-05	-1.290	0	0.374	0.615943202	14
Pianp	2.69E-05	0.927	0.281	0.082	0.667778198	14
Fem1c	2.71E-05	-1.419	0.406	0.657	0.672797199	14
Arl1	2.74E-05	0.842	0.688	0.378	0.681383685	14
Dynlt3	2.76E-05	1.009	0.594	0.312	0.6864366	14
Tgfbi	2.82E-05	-2.353	0.188	0.516	0.69998825	14
Eef1b2	2.87E-05	0.774	0.969	0.775	0.712075579	14
Ptafr	2.90E-05	-1.287	0.156	0.542	0.721568365	14
Fcgr2b	2.93E-05	-2.061	0.188	0.519	0.726805803	14
Vat1	2.93E-05	0.502	0.781	0.388	0.728864986	14
Rtl8b	2.99E-05	0.552	0.344	0.113	0.7432623	14
Rnf181	3.04E-05	0.958	0.469	0.208	0.755485382	14
Alox5ap	3.13E-05	-1.535	0.25	0.606	0.778168515	14
Arl4c	3.16E-05	-1.534	0.375	0.684	0.784964554	14

Padi2	3.18E-05	1.276	0.344	0.124	0.789743566	14
Csflr	3.18E-05	-1.623	0.094	0.442	0.790566604	14
1810058I24Rik	3.25E-05	1.041	0.656	0.359	0.807895712	14
Ms4a6d	3.25E-05	-1.704	0.062	0.421	0.808017504	14
H2-Aa	3.27E-05	-3.349	0.438	0.647	0.812466051	14
Gm2a	3.28E-05	-1.646	0.406	0.652	0.814915326	14
Gmds	3.30E-05	0.259	0.25	0.065	0.82004631	14
Zfp422	3.34E-05	0.460	0.281	0.082	0.828398779	14
Glrx	3.38E-05	-1.569	0.188	0.521	0.840742285	14
Utrn	3.60E-05	0.427	0.406	0.142	0.894237612	14
Hk2	3.67E-05	1.224	0.625	0.38	0.911211709	14
Rgs2	3.67E-05	-1.386	0.406	0.718	0.912703062	14
Nudt3	3.80E-05	0.665	0.531	0.234	0.942998062	14
Cox6c	3.85E-05	1.281	0.875	0.699	0.956402152	14
Ftl1-ps1	3.92E-05	-1.338	0.75	0.828	0.97276323	14
Acat1	3.95E-05	0.875	0.469	0.198	0.981472447	14
Anxa11	3.98E-05	-1.216	0.188	0.534	0.988354995	14
Cyba	4.18E-05	-1.243	0.562	0.693	1	14
Rab11fip1	4.20E-05	-1.332	0.125	0.487	1	14
Yipf5	4.36E-05	0.581	0.531	0.247	1	14
Actr3	4.38E-05	-0.945	0.812	0.844	1	14
Ets2	4.40E-05	-1.601	0.281	0.618	1	14
Diaph1	4.41E-05	-1.009	0.312	0.635	1	14
Arpc2	4.45E-05	-0.775	0.844	0.898	1	14
Ndufs3	4.60E-05	0.729	0.438	0.172	1	14
Bnip3	4.66E-05	0.978	0.594	0.298	1	14
Zfp36l2	4.88E-05	-0.908	0.438	0.773	1	14
Polr2l	4.90E-05	0.525	0.312	0.1	1	14
Gnb4	4.92E-05	0.312	0.25	0.067	1	14
Pros1	4.98E-05	0.481	0.312	0.102	1	14
Basp1	5.03E-05	-1.601	0.469	0.729	1	14
Imp11	5.05E-05	0.502	0.312	0.1	1	14
Rac2	5.11E-05	-0.801	0.156	0.588	1	14
Armc1	5.12E-05	0.613	0.406	0.15	1	14
Rbbp6	5.22E-05	-1.200	0.469	0.727	1	14
Tnfrsf12a	5.74E-05	1.015	0.531	0.243	1	14
Smpd1	5.83E-05	0.482	0.281	0.083	1	14
Cycs	5.99E-05	1.088	0.75	0.457	1	14
Ccl9	6.01E-05	-2.446	0.125	0.458	1	14
mt-Cytb	6.05E-05	1.035	0.969	0.967	1	14
Mtap	6.09E-05	1.070	0.375	0.142	1	14
Dctn3	6.18E-05	0.993	0.531	0.248	1	14
Kctd12	6.29E-05	-1.577	0.312	0.602	1	14
Fkbp3	6.36E-05	0.995	0.531	0.263	1	14
Flnb	6.40E-05	0.631	0.344	0.111	1	14
Slc38a10	6.55E-05	0.734	0.438	0.185	1	14

Ccl6	7.10E-05	-2.932	0.25	0.542	1	14
Tars	7.11E-05	0.991	0.438	0.182	1	14
Calm1	7.23E-05	-0.878	0.969	0.919	1	14
Naxe	7.35E-05	0.613	0.406	0.165	1	14
Clec4e	7.50E-05	-2.474	0	0.342	1	14
Map2k3	7.53E-05	-0.978	0.5	0.733	1	14
Plaur	7.55E-05	-1.800	0.406	0.675	1	14
Ankrd28	7.70E-05	0.465	0.344	0.118	1	14
Gem	7.86E-05	0.414	0.344	0.115	1	14
Iqgap1	8.08E-05	-0.988	0.625	0.842	1	14
Nckap11	8.11E-05	-0.790	0.062	0.428	1	14
Cfl1	8.13E-05	-0.598	0.969	0.965	1	14
Ccr5	8.22E-05	-1.376	0.156	0.492	1	14
Gnai2	8.32E-05	-0.859	0.688	0.801	1	14
Fmnl1	8.38E-05	-1.183	0.156	0.522	1	14
Fcgr1	8.44E-05	-1.179	0	0.339	1	14
Foxk2	8.57E-05	0.842	0.344	0.128	1	14
Rpl26	8.64E-05	0.681	0.938	0.775	1	14
Emilin2	9.09E-05	-1.537	0.281	0.585	1	14
Erh	9.10E-05	0.764	0.688	0.396	1	14
Crtap	9.34E-05	0.600	0.281	0.092	1	14
Hs2st1	9.40E-05	0.548	0.312	0.104	1	14
Msn	9.43E-05	-1.036	0.562	0.743	1	14
Bet1	9.50E-05	0.734	0.375	0.147	1	14
Kansl2	9.56E-05	1.254	0.5	0.207	1	14
Tagln2	9.56E-05	-1.116	0.531	0.75	1	14
Havcr2	9.60E-05	-1.018	0	0.335	1	14
Paip2b	9.62E-05	0.427	0.281	0.087	1	14
H2-Eb1	9.85E-05	-2.995	0.344	0.59	1	14
Dcaf6	9.97E-05	0.465	0.281	0.088	1	14
Ndufa9	0.00010012	0.780	0.562	0.266	1	14
Parn	0.00010122	0.376	0.25	0.075	1	14
Kdm6b	0.00010357	-1.115	0.531	0.812	1	14
Snx18	0.00010804	-1.280	0.188	0.489	1	14
Cyth3	0.00011126	0.418	0.344	0.123	1	14
Ccdc58	0.00011654	0.477	0.281	0.09	1	14
Bmpr2	0.00011899	0.879	0.375	0.152	1	14
Galk1	0.00012183	0.649	0.25	0.078	1	14
S100a4	0.00012195	-1.554	0.188	0.487	1	14
Etv3	0.000123	-1.651	0.188	0.488	1	14
Tpi1	0.00012496	1.240	0.844	0.57	1	14
Uxs1	0.0001253	0.325	0.281	0.088	1	14
H2afz	0.0001264	-1.182	0.719	0.834	1	14
Zfp664	0.00012782	0.427	0.25	0.072	1	14
Dlat	0.00012922	0.511	0.312	0.105	1	14
Rgs1	0.00013428	-1.172	0.25	0.593	1	14

Clec4d	0.00013634	-2.442	0.094	0.427	1	14
Adk	0.00013815	0.565	0.344	0.13	1	14
Cct8	0.00013889	0.778	0.812	0.526	1	14
Cyp20a1	0.00013922	0.295	0.312	0.101	1	14
Pole4	0.00014294	0.857	0.562	0.294	1	14
Ndufv3	0.00014928	1.166	0.719	0.468	1	14
Rpl14	0.00015011	0.654	0.875	0.69	1	14
Lonp1	0.00015013	0.617	0.344	0.128	1	14
Glpr1	0.00015043	-1.006	0.031	0.356	1	14
Mnat1	0.00015051	0.665	0.344	0.124	1	14
Acadsb	0.00015128	0.258	0.312	0.105	1	14
Dock2	0.00015155	-0.837	0.031	0.374	1	14
Smox	0.00015309	-1.438	0.25	0.576	1	14
Gm9844	0.00015572	0.810	0.75	0.516	1	14
Atf5	0.00015819	0.529	0.344	0.131	1	14
Slc35f5	0.00015834	0.618	0.375	0.137	1	14
Sema4d	0.00015834	-1.568	0.125	0.435	1	14
Nlrp3	0.00015917	-2.560	0.188	0.508	1	14
C3ar1	0.00016213	-1.550	0.094	0.413	1	14
Abi2	0.00016313	0.379	0.25	0.076	1	14
C5ar1	0.00016372	-1.785	0.094	0.401	1	14
Skp1a	0.00016563	0.868	0.75	0.493	1	14
Trim25	0.00017076	-1.042	0.281	0.601	1	14
Cd300lf	0.00017168	-1.762	0.062	0.402	1	14
Sgpl1	0.00017259	-1.177	0.344	0.603	1	14
Ndufb9	0.00017292	0.699	0.406	0.173	1	14
Efr3a	0.00017293	0.670	0.594	0.315	1	14
Ctsc	0.00017464	-1.731	0.344	0.593	1	14
Ywhae	0.00017959	0.801	1	0.798	1	14
Myo1f	0.00017969	-0.791	0	0.315	1	14
Stk3	0.00017969	0.288	0.281	0.087	1	14
Cd274	0.00017988	-1.322	0.094	0.432	1	14
Id2	0.00018511	-1.498	0.531	0.745	1	14
Mkln1	0.0001898	0.754	0.594	0.308	1	14
Polr1c	0.00018996	0.918	0.562	0.28	1	14
Srm	0.00019327	0.537	0.312	0.109	1	14
Pcmt2	0.00019432	0.456	0.281	0.091	1	14
Nenf	0.00020002	0.327	0.25	0.079	1	14
Sc5d	0.00020141	0.593	0.406	0.166	1	14
Rsl1d1	0.00020259	0.565	0.625	0.323	1	14
Tnfaip3	0.00020373	-1.571	0.375	0.648	1	14
Gars	0.00020395	0.814	0.5	0.249	1	14
Dusp6	0.00020922	0.392	0.438	0.182	1	14
Ccr12	0.00020993	-2.014	0.156	0.474	1	14
Uqcrc2	0.00021093	0.790	0.656	0.378	1	14
Higd1a	0.00021536	1.158	0.688	0.407	1	14

Alcam	0.00021713	-0.961	0.031	0.346	1	14
Tpd52	0.00022707	-1.203	0.344	0.641	1	14
Rhog	0.00022954	-0.913	0.562	0.794	1	14
Rel	0.00022998	-1.608	0.375	0.587	1	14
Mdm2	0.00023096	-1.500	0.406	0.639	1	14
Fosl2	0.00023119	-1.195	0.5	0.776	1	14
Prmt1	0.00023185	0.721	0.562	0.286	1	14
Clec4a3	0.00023295	-0.951	0	0.307	1	14
Uqcrq	0.00023378	0.860	0.75	0.515	1	14
Ndufab1	0.00023573	0.752	0.656	0.391	1	14
Ezr	0.00023966	-0.968	0.406	0.713	1	14
Ndufa1	0.00024393	0.971	0.812	0.582	1	14
Prmt5	0.00024406	0.459	0.312	0.115	1	14
Dis3	0.00024525	0.312	0.281	0.093	1	14
Ftl1	0.00024546	-1.280	1	0.963	1	14
Fam98b	0.00024878	0.611	0.438	0.188	1	14
Ifrd1	0.00025478	-1.086	0.688	0.864	1	14
Eif3l	0.00025484	0.842	0.656	0.397	1	14
Cd48	0.00025645	-0.780	0.062	0.378	1	14
Tnfrsf1b	0.00025858	-1.086	0.219	0.565	1	14
Smarb1	0.00025987	0.340	0.312	0.11	1	14
Dek	0.00026103	-1.087	0.312	0.602	1	14
Rab20	0.00026222	-1.330	0.094	0.395	1	14
2210016L21Rik	0.00027238	0.466	0.312	0.109	1	14
Nfkbia	0.00028193	-1.556	0.594	0.823	1	14
Atp5mpl	0.00028494	1.114	0.75	0.469	1	14
Rcan1	0.00028805	0.491	0.312	0.107	1	14
Emp3	0.00029318	-1.119	0.5	0.673	1	14
Fgfr1	0.00029923	0.540	0.312	0.113	1	14
Arrb2	0.00030034	-0.911	0.094	0.388	1	14
Dag1	0.00030612	0.737	0.438	0.188	1	14
Slamf7	0.00031305	-1.082	0.031	0.337	1	14
Csnk1g2	0.00031371	0.536	0.531	0.244	1	14
Rpn1	0.00031685	0.759	0.594	0.313	1	14
Rps26	0.00031815	0.552	0.969	0.884	1	14
Nfic	0.00031827	0.447	0.625	0.314	1	14
Qser1	0.00032383	0.449	0.25	0.077	1	14
Laptm4a	0.00032648	0.884	0.781	0.662	1	14
Rsrc1	0.00032716	0.839	0.375	0.155	1	14
Armc10	0.00032817	0.404	0.25	0.082	1	14
Nedd4l	0.00033638	0.448	0.344	0.132	1	14
Rpl37	0.00033754	0.446	1	0.848	1	14
Gaa	0.00033921	0.466	0.312	0.11	1	14
Synj1	0.00033944	-0.905	0.125	0.444	1	14
Atp5g1	0.000341	0.673	0.812	0.514	1	14
Tmem11	0.00034267	0.750	0.469	0.229	1	14

Ahnak	0.00034459	-1.069	0.594	0.779	1	14
Fkbp4	0.00034914	0.837	0.5	0.264	1	14
Uqcc2	0.00035406	0.562	0.438	0.204	1	14
Junb	0.00035424	-0.957	0.688	0.929	1	14
Lyn	0.00035625	-0.919	0.156	0.514	1	14
Golt1b	0.00035769	0.626	0.375	0.166	1	14
Syngn2	0.00036887	-1.428	0.219	0.491	1	14
2610001J05Rik	0.00037	0.669	0.531	0.295	1	14
Pin1	0.00037083	0.453	0.438	0.192	1	14
Peli1	0.0003738	-1.128	0.281	0.577	1	14
Bcl2a1d	0.00037619	-1.105	0.094	0.393	1	14
Ikbkb	0.00037959	-0.926	0.062	0.359	1	14
Mtal	0.00038607	0.538	0.469	0.224	1	14
Flrt2	0.0003911	0.548	0.25	0.081	1	14
Lpxn	0.0003939	-0.823	0.094	0.429	1	14
Arhgap5	0.00040538	0.598	0.344	0.133	1	14
Camta1	0.00041016	0.346	0.344	0.128	1	14
Arl3	0.00041032	0.604	0.344	0.134	1	14
Elk4	0.00041038	0.461	0.469	0.205	1	14
Esyt1	0.00041987	-0.827	0.156	0.453	1	14
Rtl8a	0.00042483	0.940	0.312	0.122	1	14
Ehmt1	0.00042692	0.346	0.344	0.128	1	14
C1d	0.00043395	0.640	0.469	0.223	1	14
P4hb	0.00043822	0.876	0.875	0.71	1	14
Farsa	0.0004423	0.440	0.406	0.171	1	14
Akt1s1	0.00044751	0.332	0.281	0.096	1	14
Sptbn1	0.00044977	0.798	0.438	0.219	1	14
Stip1	0.00045283	0.524	0.562	0.296	1	14
Nav1	0.00045792	0.314	0.406	0.168	1	14
Sun2	0.00046902	-1.059	0.125	0.411	1	14
Xpnpep1	0.00047434	0.629	0.406	0.185	1	14
Ssr2	0.00047515	0.678	0.625	0.412	1	14
Sh3pxd2a	0.00047722	0.271	0.281	0.093	1	14
Cfap36	0.00047998	0.715	0.344	0.143	1	14
Arfgap2	0.00048153	0.503	0.406	0.175	1	14
Dubr	0.00048455	0.338	0.281	0.096	1	14
Spag9	0.00049141	-0.923	0.406	0.691	1	14
Nfil3	0.00049367	-1.047	0.281	0.592	1	14
H2-DMA	0.00049956	-1.120	0.094	0.388	1	14
Myadm	0.00050091	0.928	0.656	0.407	1	14
Ldha	0.00050971	1.007	0.906	0.719	1	14
Ndufb2	0.00051553	0.304	0.25	0.081	1	14
Rpl12	0.0005173	0.623	0.938	0.762	1	14
Aldoc	0.00051963	0.819	0.25	0.088	1	14
H3f3a	0.00052081	-0.579	0.938	0.934	1	14
Nop58	0.00052143	0.781	0.625	0.37	1	14



Ptpn1	0.00052442	-1.011	0.25	0.54	1	14
Cotl1	0.00052538	-0.843	0.5	0.693	1	14
Sat1	0.00052723	-1.120	0.688	0.842	1	14
Clec4n	0.0005325	-1.159	0	0.28	1	14
Sec61a1	0.00053582	0.760	0.625	0.393	1	14
Wfdc17	0.000546	-1.860	0.25	0.511	1	14
Ccr2	0.00058464	-1.462	0.062	0.342	1	14
Rbpj	0.00058468	-1.088	0.375	0.592	1	14
Dazap2	0.00058734	-0.832	0.594	0.769	1	14
Tcf12	0.00058847	0.766	0.438	0.201	1	14
Aldoa	0.0005942	1.032	0.969	0.817	1	14
N4bp1	0.0006003	-1.030	0.188	0.47	1	14
Traf1	0.00061475	-1.305	0.094	0.383	1	14
Fubp1	0.00061643	0.882	0.594	0.341	1	14
Gstp1	0.00062037	0.581	0.344	0.139	1	14
Copb1	0.0006283	0.691	0.594	0.353	1	14
Mafb	0.00063793	-1.671	0.156	0.439	1	14
Cyth4	0.00064026	-0.877	0.219	0.5	1	14
Tlr2	0.00064055	-1.037	0	0.274	1	14
Pld4	0.00064798	-0.977	0.094	0.387	1	14
Cnpy2	0.00066664	0.452	0.344	0.138	1	14
Abhd4	0.0006742	0.556	0.344	0.14	1	14
Ctsz	0.00068167	-1.141	0.5	0.639	1	14
Fdft1	0.00069256	0.605	0.344	0.149	1	14
Rps4x	0.0006932	0.485	0.969	0.795	1	14
Mrps26	0.00069609	0.369	0.281	0.098	1	14
Hdac7	0.0006973	0.291	0.281	0.1	1	14
AC149090.1	0.0007135	0.757	0.406	0.186	1	14
Riok3	0.00072237	-0.952	0.312	0.555	1	14
Mrc1	0.00073162	-1.769	0.062	0.333	1	14
Dut	0.00073519	0.270	0.281	0.098	1	14
Golga5	0.00073794	0.401	0.312	0.123	1	14
Nono	0.00074186	0.728	0.781	0.505	1	14
Acat2	0.00074215	0.331	0.25	0.083	1	14
Tent5c	0.00074538	-1.137	0.188	0.473	1	14
Rabac1	0.0007509	0.535	0.656	0.404	1	14
Cct7	0.00075207	0.973	0.625	0.352	1	14
Timm22	0.00075236	0.305	0.281	0.099	1	14
Clec4a2	0.00075454	-0.979	0.062	0.357	1	14
Pias2	0.00075736	0.460	0.344	0.138	1	14
Chd7	0.00076862	-0.914	0.156	0.477	1	14
Sirpb1c	0.00078672	-0.941	0	0.267	1	14
Cfp	0.00078874	-1.260	0.156	0.407	1	14
Gltp	0.0008029	-0.996	0.344	0.54	1	14
Atp5b	0.00080578	0.810	0.781	0.561	1	14
Nek9	0.00082071	0.314	0.375	0.159	1	14

Maf	0.00082133	-1.776	0.156	0.416	1	14
Brd2	0.00082239	-0.708	0.75	0.851	1	14
Rps7	0.00082252	0.538	0.969	0.801	1	14
Il11ra1	0.00082395	0.747	0.281	0.113	1	14
Ddost	0.00083006	0.871	0.594	0.408	1	14
Rsrp1	0.00083491	-0.827	0.5	0.777	1	14
Cd151	0.00085132	0.513	0.312	0.129	1	14
Exoc4	0.00085421	0.477	0.406	0.174	1	14
Osm	0.00085617	-1.062	0.094	0.401	1	14
Atp5g3	0.00086839	0.817	0.875	0.671	1	14
Csf2rb	0.00087248	-0.984	0.344	0.619	1	14
Dhx36	0.00089498	0.384	0.5	0.231	1	14
Mrpl49	0.00090017	0.447	0.25	0.085	1	14
Atp5f1	0.0009081	0.595	0.781	0.509	1	14
Nfe2l2	0.00090926	-1.216	0.375	0.575	1	14
Eif3i	0.00091115	0.688	0.688	0.441	1	14
Rpl30	0.00091611	0.584	0.969	0.807	1	14
Cd86	0.00091617	-0.873	0.094	0.386	1	14
Crem	0.00092789	-1.540	0.375	0.623	1	14
Ip6k2	0.00092983	0.493	0.312	0.124	1	14
Rpl39	0.00093015	0.441	1	0.851	1	14
Il7r	0.00094131	-1.560	0.094	0.36	1	14
Sfxn1	0.00094139	0.473	0.406	0.183	1	14
Kdm5b	0.00094345	0.419	0.375	0.156	1	14
Uxt	0.00095341	0.425	0.281	0.103	1	14
Runx3	0.00095563	-0.866	0.188	0.5	1	14
Ctla2a	0.00095684	2.264	0.281	0.108	1	14
Eps8	0.00095979	1.155	0.594	0.39	1	14
4930453N24Rik	0.00096359	0.540	0.344	0.15	1	14
Ptbp3	0.00096592	-0.786	0.5	0.721	1	14
Set	0.00096691	0.705	0.875	0.618	1	14
Malt1	0.00096797	-1.229	0.188	0.463	1	14
Ube2v2	0.00096968	0.834	0.344	0.142	1	14
Cpq	0.00097178	0.527	0.25	0.089	1	14
Gpr35	0.0009725	-1.156	0.094	0.361	1	14
Rrm2	0.00097576	1.232	0.25	0.085	1	14
Ostc	0.00097728	0.791	0.625	0.394	1	14
Sec13	0.00098971	0.470	0.469	0.233	1	14
Rab5b	0.0009912	0.701	0.438	0.216	1	14
Msr1	0.00099843	-1.238	0.062	0.337	1	14
Scoc	0.00099972	0.633	0.375	0.161	1	14
Cox5b	0.00099994	0.826	0.75	0.533	1	14
1700025G04Rik	0.00100235	0.328	0.312	0.119	1	14
Cyth1	0.00101261	-0.869	0.125	0.397	1	14
Samhd1	0.00101797	-1.192	0.438	0.639	1	14
Eno1	0.00101842	1.324	0.812	0.66	1	14

Sae1	0.00103695	0.622	0.438	0.21	1	14
Strap	0.00105396	0.824	0.656	0.398	1	14
Atraid	0.00105915	0.640	0.344	0.151	1	14
Gm26917	0.00106701	-1.975	0.375	0.594	1	14
Samsn1	0.00106796	-0.970	0.188	0.51	1	14
Dlgap4	0.00109196	0.413	0.406	0.192	1	14
mt-Nd2	0.00110498	0.669	1	0.945	1	14
Tef	0.00110507	0.443	0.25	0.084	1	14
Gstm1	0.00110751	0.425	0.406	0.193	1	14
Pphln1	0.00111916	0.758	0.344	0.152	1	14
Slc6a6	0.00112104	-0.915	0.312	0.585	1	14
Fam117b	0.00113159	-0.636	0.156	0.431	1	14
Serbp1	0.00113249	0.778	0.906	0.749	1	14
Bag3	0.00113555	0.827	0.656	0.429	1	14
Hilpda	0.00115542	-1.772	0.406	0.614	1	14
Ndufb6	0.00115814	0.763	0.625	0.364	1	14
Ostf1	0.00116982	-0.903	0.438	0.662	1	14
F10	0.00117833	-1.154	0	0.253	1	14
Stk17b	0.00118774	-1.008	0.312	0.629	1	14
Rpl13a	0.0011892	0.543	0.531	0.286	1	14
Nfx1	0.00119135	0.439	0.375	0.17	1	14
Ifi207	0.00120327	-1.385	0.281	0.505	1	14
Zeb2	0.00120519	-0.972	0.438	0.637	1	14
Gdi2	0.00122838	-0.944	0.656	0.69	1	14
Ormdl3	0.00124661	0.270	0.375	0.16	1	14
Rps2	0.00124745	0.466	0.969	0.799	1	14
Ppme1	0.0012509	0.470	0.406	0.195	1	14
Myo1g	0.00128802	-0.884	0.094	0.387	1	14
Gtf2i	0.00129842	0.417	0.312	0.125	1	14
Phb2	0.00130919	0.438	0.594	0.336	1	14
Mrfap1	0.00132013	0.505	0.781	0.553	1	14
Lst1	0.00135527	-0.925	0.062	0.324	1	14
Setd5	0.00136922	0.674	0.438	0.212	1	14
Cpsf7	0.00137105	-0.754	0.062	0.319	1	14
Ptpre	0.00142307	-1.156	0.125	0.378	1	14
Ccl3	0.00143658	-4.021	0.062	0.312	1	14
Micall1	0.00145324	0.645	0.312	0.132	1	14
Trps1	0.00146186	-0.737	0.031	0.295	1	14
Acadl	0.00148566	0.486	0.594	0.345	1	14
Dstn	0.00149249	0.657	0.688	0.438	1	14
Sqle	0.00149996	0.741	0.375	0.166	1	14
Rhot1	0.00150567	0.504	0.375	0.174	1	14
Sec61g	0.00151218	0.710	0.844	0.703	1	14
Rbx1	0.00151812	0.560	0.781	0.53	1	14
Uqcrh	0.00153796	0.706	0.844	0.718	1	14
Fau	0.00155024	-0.500	0.781	0.908	1	14

Psme3	0.00159097	1.028	0.625	0.401	1	14
H3f3b	0.00159936	-0.637	1	0.965	1	14
Erlec1	0.00160603	0.671	0.312	0.137	1	14
Kif3a	0.00161755	0.522	0.375	0.175	1	14
Dynll2	0.00162576	0.722	0.5	0.276	1	14
Ndufa7	0.00162939	0.561	0.75	0.47	1	14
Flrt3	0.00163047	-1.719	0.062	0.314	1	14
Itfg1	0.00164098	0.389	0.344	0.146	1	14
Phf1	0.00165161	0.380	0.25	0.086	1	14
Chmp5	0.00166671	0.490	0.594	0.353	1	14
Gm3839	0.00166684	0.960	0.594	0.397	1	14
Pon3	0.00167282	0.264	0.25	0.093	1	14
Cndp2	0.00168971	-1.112	0.25	0.48	1	14
Mdh1	0.00169777	0.864	0.688	0.419	1	14
Bcl2l1	0.00173194	-0.790	0.062	0.333	1	14
Wipf1	0.00174475	-0.966	0.312	0.561	1	14
Stat3	0.00175106	-1.056	0.562	0.745	1	14
Plscr3	0.0017524	0.264	0.25	0.092	1	14
1700017B05Rik	0.00176018	-1.204	0.156	0.419	1	14
Tomm40	0.00176725	0.468	0.344	0.155	1	14
Cd84	0.00178492	-0.843	0.062	0.337	1	14
BC005537	0.00179113	-0.809	0.594	0.721	1	14
Lsm8	0.00180485	0.325	0.406	0.181	1	14
Ndufc2	0.00183564	0.919	0.625	0.398	1	14
Rack1	0.00185688	0.508	0.969	0.76	1	14
Bola3	0.00185719	0.460	0.344	0.152	1	14
Zranb2	0.00186023	0.378	0.562	0.308	1	14
Cul4a	0.00186833	0.365	0.281	0.111	1	14
Mknk2	0.00187767	-0.750	0.469	0.723	1	14
Tlk2	0.00188234	0.815	0.562	0.311	1	14
Smim3	0.00189305	-1.095	0.25	0.501	1	14
Psap	0.00190381	-1.795	0.875	0.849	1	14
Ly6e	0.00194804	-1.002	0.469	0.739	1	14
2810004N23Rik	0.00194897	0.376	0.281	0.113	1	14
Acsl3	0.0019741	0.521	0.281	0.112	1	14
Prdx1	0.0019926	0.562	0.844	0.672	1	14
Flot2	0.00201974	0.497	0.312	0.129	1	14
Cnot8	0.00206176	0.260	0.375	0.161	1	14
Pfn1	0.00207425	-0.547	0.906	0.861	1	14
Pim3	0.00208359	0.475	0.469	0.229	1	14
Dusp1	0.00212037	-1.344	0.469	0.739	1	14
9530068E07Rik	0.00213272	0.547	0.531	0.326	1	14
Rpl22l1	0.0021403	0.763	0.688	0.551	1	14
Fam104a	0.00214312	0.703	0.594	0.388	1	14
Tfam	0.00216683	0.472	0.281	0.118	1	14
Cox7a2l	0.00217642	0.393	0.75	0.497	1	14

Oxct1	0.00218455	0.735	0.594	0.351	1	14
Rcc2	0.00219796	0.468	0.469	0.242	1	14
Gapdh	0.00220014	1.146	1	0.931	1	14
Arpc1b	0.00220054	-0.655	0.812	0.836	1	14
Plin2	0.00221312	-1.309	0.5	0.626	1	14
Plxna1	0.00221803	0.452	0.406	0.197	1	14
Ms4a6b	0.00222376	-0.657	0.031	0.286	1	14
Atp5j	0.00222646	0.724	0.719	0.521	1	14
Fmn12	0.00222918	0.446	0.406	0.186	1	14
Pnkd	0.00223534	0.320	0.25	0.095	1	14
M6pr	0.00224678	-0.821	0.438	0.629	1	14
Med19	0.00229294	0.692	0.281	0.116	1	14
Lrrc8d	0.00231119	-0.675	0.156	0.407	1	14
Drg1	0.0023217	0.388	0.406	0.19	1	14
Slc35a2	0.00232576	0.657	0.281	0.116	1	14
Tbc1d9	0.00233805	-0.826	0.094	0.341	1	14
Bzw2	0.00234209	0.353	0.5	0.246	1	14
Ndufb4	0.00240509	0.899	0.531	0.283	1	14
8-Sep	0.00242374	0.349	0.344	0.151	1	14
Cic	0.00244032	0.693	0.469	0.259	1	14
Rpl27	0.00246552	0.654	0.906	0.756	1	14
Mmp14	0.00246776	0.691	0.406	0.208	1	14
Coa3	0.00247061	0.464	0.344	0.15	1	14
Eeal	0.00248907	-1.131	0.219	0.48	1	14
Glod4	0.00249406	0.331	0.312	0.131	1	14
Picalm	0.00249695	-0.849	0.906	0.816	1	14
Grb2	0.0025204	-0.729	0.625	0.737	1	14
Gpx4	0.00252205	0.653	0.719	0.527	1	14
Slc11a1	0.00255603	-0.884	0.125	0.37	1	14
Zwint	0.00257391	0.649	0.5	0.29	1	14
Cst3	0.0025819	-1.768	0.781	0.793	1	14
Dedd2	0.00258953	-1.251	0.094	0.333	1	14
Cox7a2	0.00260473	1.021	0.75	0.544	1	14
Foxred1	0.00261114	0.361	0.25	0.093	1	14
Rbm47	0.00261542	-0.958	0.156	0.384	1	14
Capzb	0.00262851	-0.618	0.688	0.782	1	14
Csf2rb2	0.00263019	-0.995	0.188	0.46	1	14
Ier5	0.00263596	-0.954	0.5	0.752	1	14
Tmem123	0.00265532	-1.551	0.375	0.547	1	14
Npc2	0.00265533	-0.905	0.719	0.759	1	14
Aif1	0.00266461	-1.053	0.156	0.409	1	14
Rpl28	0.0026825	0.485	1	0.836	1	14
Cfap20	0.00270244	0.464	0.344	0.15	1	14
Uqcr10	0.0028152	0.722	0.469	0.275	1	14
Ginm1	0.00282645	0.516	0.375	0.179	1	14
Dusp2	0.00284144	-1.674	0.219	0.447	1	14

Eif4e3	0.00287427	0.509	0.375	0.179	1	14
Aak1	0.00288005	0.307	0.281	0.113	1	14
Got1	0.00291715	-1.180	0.5	0.649	1	14
Adi1	0.00297732	0.397	0.281	0.115	1	14
Mrpl19	0.00299917	0.542	0.25	0.095	1	14
Tnfaip8	0.00304598	-0.884	0.156	0.405	1	14
Uvrag	0.00306669	-0.856	0.188	0.421	1	14
Unc93b1	0.00309281	-0.923	0.219	0.438	1	14
Hdlbp	0.00310997	0.512	0.75	0.595	1	14
Ckap4	0.0031259	1.030	0.438	0.256	1	14
Rela	0.00314296	-0.625	0.125	0.38	1	14
Hck	0.00315517	-0.710	0.031	0.261	1	14
Fam107b	0.00316664	-1.341	0.312	0.521	1	14
Tceal8	0.00320378	0.341	0.344	0.153	1	14
Pid1	0.00323691	-0.826	0.094	0.324	1	14
Tceal9	0.00326796	0.523	0.625	0.413	1	14
Gadd45b	0.00326811	-1.431	0.375	0.573	1	14
Pam16	0.00328711	0.440	0.375	0.181	1	14
mt-Nd3	0.00330597	0.823	0.938	0.848	1	14
Shisa5	0.00330773	-0.878	0.312	0.548	1	14
Ctsh	0.00332211	-0.991	0.281	0.486	1	14
Snx20	0.00333559	-0.661	0.031	0.266	1	14
Nhp2	0.0033361	0.510	0.406	0.199	1	14
mt-Nd4	0.00335937	0.829	0.969	0.964	1	14
Qsox1	0.0033687	0.535	0.344	0.165	1	14
Apbb1ip	0.00346063	-0.897	0.25	0.491	1	14
Gpatch8	0.00348763	0.291	0.406	0.189	1	14
Rexo2	0.0034888	0.638	0.594	0.367	1	14
mt-Nd1	0.00348946	0.573	0.938	0.955	1	14
Gnpda1	0.00352175	-0.521	0.031	0.266	1	14
Rps27a	0.00352178	0.417	1	0.87	1	14
Pdap1	0.00353478	0.627	0.656	0.478	1	14
Pcyox1	0.00355796	0.258	0.281	0.113	1	14
Cebpb	0.00357858	-0.846	0.562	0.782	1	14
Mbnl1	0.00358682	-1.024	0.375	0.587	1	14
Pum3	0.00360306	0.712	0.375	0.192	1	14
Rpl36	0.00361074	0.821	0.688	0.598	1	14
Ccnl1	0.00363165	-0.722	0.625	0.821	1	14
Bin2	0.00363978	-0.621	0.062	0.298	1	14
Procr	0.00367927	0.748	0.25	0.099	1	14
Ncoa4	0.00368154	-0.778	0.062	0.29	1	14
Agpat3	0.00369983	0.426	0.375	0.179	1	14
Slc9a3r1	0.00372858	-0.675	0.188	0.469	1	14
Arpc3	0.00376922	-0.560	0.656	0.766	1	14
Adgre1	0.00377748	-1.024	0.062	0.299	1	14
Sdc3	0.0038114	-0.999	0.188	0.393	1	14

Pex19	0.00383687	0.347	0.312	0.141	1	14
Ptpn18	0.00397567	-0.671	0.125	0.375	1	14
Rab7b	0.00405581	-1.236	0.219	0.426	1	14
Hspe1	0.00407484	0.562	0.812	0.634	1	14
Gm10073	0.0041344	0.634	0.812	0.679	1	14
P2ry10	0.00413669	-1.331	0.062	0.279	1	14
Prkcd	0.00417418	-0.814	0.375	0.579	1	14
Fn1	0.00417971	1.399	0.375	0.197	1	14
Tnf	0.00419118	-1.742	0.094	0.325	1	14
Rpl23a	0.00422918	0.406	0.969	0.834	1	14
Gtf2a1	0.00423495	-0.692	0.062	0.283	1	14
Ehd4	0.00423719	-0.851	0.219	0.449	1	14
Epb41	0.00425993	-0.740	0.062	0.279	1	14
Rps15a	0.00426705	0.387	0.938	0.762	1	14
Ost4	0.00430832	0.860	0.75	0.58	1	14
Il2rg	0.00436885	-0.700	0.25	0.517	1	14
Daam1	0.00436888	0.641	0.281	0.119	1	14
Clec4a1	0.00438124	-0.888	0.094	0.324	1	14
Phf5a	0.00440945	0.368	0.625	0.361	1	14
Rpl5	0.00441587	0.344	1	0.81	1	14
Fcgr4	0.00442125	-1.016	0.062	0.277	1	14
Atp5a1	0.0044319	0.787	0.844	0.675	1	14
Anapc5	0.00444799	0.406	0.438	0.235	1	14
Cops9	0.00446907	0.724	0.656	0.457	1	14
Il1b	0.00447057	-2.607	0.094	0.315	1	14
Zbtb1	0.00448706	-0.871	0.094	0.318	1	14
Timp2	0.00449501	0.962	0.5	0.3	1	14
Cacul1	0.00450023	-0.849	0.344	0.512	1	14
Aspscr1	0.00451087	0.665	0.281	0.123	1	14
Fnbp1	0.00452446	-1.126	0.375	0.51	1	14
Prdm2	0.00455337	-0.898	0.281	0.525	1	14
Prpf40a	0.0045632	-0.790	0.406	0.6	1	14
Ptov1	0.00460665	0.461	0.312	0.141	1	14
Swi5	0.00465016	0.770	0.594	0.428	1	14
Chchd4	0.00471891	0.382	0.25	0.103	1	14
Mrps14	0.00473359	0.546	0.5	0.263	1	14
Prdx4	0.00473639	0.499	0.312	0.153	1	14
Atp1b3	0.00474848	-0.730	0.719	0.766	1	14
Phf14	0.00475395	0.878	0.406	0.202	1	14
Pla2g12a	0.00480246	0.315	0.25	0.099	1	14
Hspa1a	0.00484233	-1.491	0.344	0.592	1	14
Bbx	0.00484905	0.374	0.406	0.207	1	14
Eif3e	0.00485424	0.721	0.719	0.572	1	14
Crebzf	0.00485913	0.297	0.25	0.097	1	14
Ctdsp2	0.00486401	0.634	0.438	0.24	1	14
Pld3	0.00486934	-1.120	0.219	0.416	1	14

Cd80	0.00489185	-0.723	0.031	0.254	1	14
Epsti1	0.00491354	-0.619	0.062	0.305	1	14
Tnks	0.00492235	0.286	0.344	0.157	1	14
Cdc42	0.00505011	-0.524	0.75	0.857	1	14
Itga4	0.00508277	-0.741	0.062	0.298	1	14
Jpt1	0.00513426	-0.808	0.312	0.51	1	14
Snx5	0.00513886	-0.794	0.469	0.6	1	14
Hras	0.00515302	0.326	0.281	0.12	1	14
Lcp2	0.00516801	-0.735	0.062	0.289	1	14
Atp6v0a2	0.00526703	0.815	0.406	0.212	1	14
Irf8	0.00527079	-0.787	0.156	0.419	1	14
Tuba1c	0.00528887	-0.727	0.531	0.728	1	14
Selenos	0.00529475	0.589	0.594	0.397	1	14
Tm6sf1	0.00532426	-0.751	0.125	0.338	1	14
Abi1	0.00537071	-0.630	0.375	0.571	1	14
Dgkz	0.00538396	-0.734	0.062	0.285	1	14
Rhbdf2	0.00543455	-0.568	0.094	0.332	1	14
Abce1	0.00546232	0.527	0.375	0.182	1	14
Thoc7	0.00546307	0.326	0.438	0.23	1	14
Akap11	0.00547216	0.489	0.25	0.103	1	14
Rpl8	0.00548285	0.405	0.969	0.768	1	14
Itga9	0.00549733	0.597	0.25	0.104	1	14
Ubp2	0.00550633	0.344	0.375	0.181	1	14
Srp19	0.00552069	0.722	0.625	0.426	1	14
Cers5	0.00552589	0.404	0.406	0.211	1	14
Ndufs5	0.00554356	0.536	0.562	0.353	1	14
Minos1	0.00561017	0.603	0.594	0.397	1	14
Clec12a	0.00562137	-0.747	0.062	0.27	1	14
Lgmn	0.00564652	-1.881	0.406	0.507	1	14
Tmed3	0.00565406	0.702	0.438	0.262	1	14
Smurf2	0.00566133	0.510	0.438	0.215	1	14
C1qb	0.00567689	-2.625	0.219	0.396	1	14
Prep	0.00571053	-0.609	0.125	0.359	1	14
Spcs2	0.00575151	0.632	0.719	0.489	1	14
Dennd4a	0.00580273	-1.034	0.344	0.527	1	14
Hadh	0.00580994	0.317	0.281	0.125	1	14
Dnajb4	0.00583465	0.344	0.406	0.21	1	14
Naaa	0.00586433	-1.224	0.125	0.334	1	14
Atpif1	0.00587329	0.420	0.719	0.483	1	14
Vav1	0.005908	-0.690	0.094	0.309	1	14
Yipf4	0.00597463	0.551	0.5	0.281	1	14
Ndufa10	0.0060364	0.775	0.562	0.341	1	14
Zfp36	0.00604372	-0.897	0.625	0.84	1	14
Atxn1	0.00615333	0.403	0.312	0.142	1	14
Snrg	0.00618835	0.557	0.781	0.571	1	14
Usp16	0.00621806	0.420	0.594	0.361	1	14



Cxxc1	0.00627165	0.620	0.5	0.293	1	14
Twf1	0.00627564	0.582	0.406	0.222	1	14
Wdr26	0.00628985	-0.734	0.562	0.711	1	14
Fdx1	0.00631778	0.653	0.25	0.111	1	14
Slc3a2	0.00638257	-0.550	0.688	0.814	1	14
Sh3kbp1	0.00643826	-0.680	0.188	0.439	1	14
Psmc7	0.00644516	0.381	0.625	0.404	1	14
Senp6	0.0064494	0.578	0.594	0.382	1	14
Rpl34	0.00647098	0.279	1	0.86	1	14
Ubqln2	0.00651284	0.316	0.438	0.239	1	14
Ankrd40	0.00656477	0.381	0.344	0.176	1	14
Rassf3	0.00656908	-0.830	0.219	0.443	1	14
H2-DMb1	0.00657848	-0.789	0.094	0.307	1	14
Rfc2	0.00659273	0.279	0.469	0.247	1	14
Chmp4b	0.00663114	-0.680	0.562	0.739	1	14
Pacs1	0.00663422	0.314	0.25	0.103	1	14
Pip5k1c	0.00668823	-0.920	0.375	0.549	1	14
U2af1	0.00674086	0.384	0.688	0.443	1	14
Tmed5	0.00676525	-0.821	0.469	0.595	1	14
Cxcl2	0.00683298	-2.750	0.438	0.659	1	14
Pik3r5	0.00685636	-0.594	0.062	0.276	1	14
Sypl	0.00687805	0.686	0.562	0.36	1	14
Lrrc25	0.006883	-0.687	0.094	0.297	1	14
Acp1	0.00688933	0.658	0.469	0.262	1	14
Sla	0.0069754	-0.901	0.156	0.392	1	14
Lasp1	0.00697572	-0.925	0.469	0.641	1	14
Hsd17b11	0.00698616	0.449	0.562	0.366	1	14
F13a1	0.0070094	-1.424	0.062	0.269	1	14
Map2k2	0.0070629	0.526	0.438	0.234	1	14
Mrpl15	0.00706931	0.575	0.406	0.215	1	14
Ube2r2	0.00708479	0.404	0.656	0.435	1	14
Bnip3l	0.00709802	0.524	0.656	0.441	1	14
Chmp2b	0.00710118	0.453	0.562	0.34	1	14
Smap1	0.00710427	0.405	0.531	0.298	1	14
Kdelr2	0.00710431	0.449	0.469	0.298	1	14
Gpr65	0.00712804	-0.394	0.125	0.398	1	14
Mfsd1	0.00716984	-0.866	0.25	0.422	1	14
Sik3	0.00721408	-0.998	0.312	0.477	1	14
Rps3a1	0.00721895	0.368	0.906	0.842	1	14
Entpd1	0.00727139	-0.877	0.125	0.339	1	14
Gyg	0.00729817	0.422	0.531	0.324	1	14
mt-Co2	0.00729827	0.575	0.969	0.994	1	14
Naca	0.00740906	0.642	0.781	0.645	1	14
Vps18	0.00745308	-0.665	0.094	0.305	1	14
Prdx3	0.00745411	0.398	0.344	0.166	1	14
Slc16a3	0.00749563	-0.750	0.062	0.258	1	14

Cisd1	0.0075132	0.583	0.312	0.145	1	14
Glrx3	0.00755061	0.493	0.562	0.352	1	14
Mmp19	0.00758734	-1.475	0.156	0.353	1	14
Cox14	0.00759698	0.614	0.438	0.244	1	14
Ipo9	0.0076005	0.571	0.25	0.111	1	14
Btf3	0.00764953	0.450	0.844	0.68	1	14
Cebpa	0.00774893	-1.017	0.156	0.356	1	14
Lxn	0.00776169	0.560	0.281	0.135	1	14
Ms4a4c	0.00777231	-1.160	0.094	0.294	1	14
Ap1s1	0.00777403	0.486	0.344	0.17	1	14
Ndufs1	0.00779831	0.416	0.344	0.166	1	14
Gar1	0.00780551	0.589	0.281	0.126	1	14
Pmaip1	0.00790905	-0.861	0.156	0.41	1	14
Rwdd1	0.00791225	0.410	0.531	0.347	1	14
mt-Nd4l	0.00791368	0.627	0.938	0.813	1	14
Hsd17b12	0.00799147	0.398	0.656	0.418	1	14
Lats2	0.00809447	-0.617	0.188	0.434	1	14
Nr4a2	0.00810811	-0.983	0.312	0.512	1	14
Lrrfip1	0.00813252	-0.830	0.5	0.641	1	14
Vsir	0.00821543	-0.872	0.188	0.368	1	14
Rps14	0.00821707	0.331	0.969	0.867	1	14
Myo18a	0.00833457	0.342	0.281	0.125	1	14
Bccip	0.00836174	0.455	0.312	0.151	1	14
Cnot6	0.00836644	0.368	0.594	0.373	1	14
Cd300c2	0.00843405	-0.432	0.062	0.281	1	14
Resf1	0.00852829	-1.366	0.344	0.518	1	14
Tmem106a	0.00857986	-0.736	0.125	0.31	1	14
Polr2m	0.00859154	0.267	0.5	0.286	1	14
Idh3a	0.00859741	0.649	0.312	0.161	1	14
Slc16a10	0.00886028	-0.784	0.094	0.281	1	14
Bcl2a1b	0.00887749	-0.607	0.062	0.279	1	14
Ndufa3	0.00899953	0.495	0.625	0.473	1	14
Chmp3	0.00904117	0.616	0.469	0.302	1	14
Zcche2	0.00906104	-0.804	0.094	0.29	1	14
Ndufc1	0.00912033	0.674	0.562	0.344	1	14
Yipf3	0.00927791	0.344	0.438	0.258	1	14
C1qa	0.0094556	-1.971	0.094	0.281	1	14
Selenof	0.00950963	0.733	0.656	0.55	1	14
Vps4b	0.00958819	-0.780	0.219	0.407	1	14
Rnf126	0.00962081	0.336	0.312	0.141	1	14
Larp1b	0.00963972	0.355	0.344	0.168	1	14
Rnh1	0.00971867	-0.751	0.438	0.59	1	14
Tob2	0.00978269	-0.948	0.562	0.7	1	14
Pfkfb3	0.00981702	-0.961	0.125	0.334	1	14
Jun	0.00984334	0.418	0.75	0.621	1	14
Taldo1	0.00987821	-0.862	0.406	0.581	1	14

Nuak2	0.00989833	-0.706	0.125	0.341	1	14
Fytd1	0.00991937	0.486	0.469	0.263	1	14
Usf3	0.00992201	0.256	0.25	0.109	1	14
Il6ra	0.00999125	-0.804	0.188	0.386	1	14