

GeneID	pvalue	log2FoldChange	pct.1	pct.2	padj	FoldChange
1500011B03Rik	3.35E-99	0.660476074	0.542	0.281	3.30E-95	1.580604121
1600014C10Rik	5.55E-33	0.294183723	0.251	0.192	5.48E-29	1.226191002
1810037I17Rik	2.67E-43	-0.294604109	0.264	0.542	2.64E-39	0.815296028
2310036O22Rik	2.50E-40	-0.286370215	0.343	0.62	2.47E-36	0.819962471
2810474O19Rik	9.79E-29	0.256671351	0.442	0.43	9.67E-25	1.194719014
4932438A13Rik	1.17E-97	0.65315029	0.52	0.313	1.16E-93	1.572598398
Abca1	1.40E-34	0.296018015	0.125	0.025	1.39E-30	1.227751014
Abcg1	2.45E-28	0.291030426	0.253	0.178	2.42E-24	1.223513845
Abrac1	1.13E-74	-0.525154778	0.392	0.773	1.11E-70	0.694884556
Acp5	2.27E-76	0.530100847	0.621	0.468	2.24E-72	1.444030132
Actb	6.07E-69	-0.357994549	0.989	1	6.00E-65	0.780248428
Actg1	4.89E-239	-0.871888846	0.817	0.994	4.83E-235	0.546430968
Actr3	8.09E-42	-0.327099477	0.727	0.92	7.99E-38	0.79713751
Acyp1	1.71E-33	-0.336527697	0.082	0.294	1.69E-29	0.791945087
Al467606	1.93E-30	-0.250861723	0.24	0.462	1.91E-26	0.840394297
Akap12	2.39E-25	0.283419417	0.136	0.043	2.36E-21	1.217076133
Aldoa	1.25E-32	-0.296180668	0.558	0.797	1.23E-28	0.814405569
Amd1	9.82E-37	0.25049721	0.232	0.178	9.70E-33	1.189617034
Anapc16	5.71E-55	0.390452691	0.439	0.329	5.64E-51	1.310804645
Ankrd11	5.81E-51	0.394689179	0.697	0.617	5.74E-47	1.314659493
Anxa1	1.13E-40	0.28433966	0.109	0.007	1.12E-36	1.21785271
Anxa5	6.44E-25	-0.259365384	0.139	0.327	6.36E-21	0.83545534
Apobec3	1.26E-163	0.941149744	0.513	0.133	1.24E-159	1.920057803
Apoe	3.23E-41	0.414107174	0.264	0.113	3.19E-37	1.332473808
Arhgdib	1.84E-104	-0.440551157	0.945	0.996	1.81E-100	0.736853052
Arid5a	3.96E-56	0.438233775	0.329	0.18	3.92E-52	1.354944516
Arid5b	7.29E-45	0.445730581	0.303	0.187	7.21E-41	1.36200366
Arl5a	3.02E-84	0.623987024	0.291	0.063	2.98E-80	1.541128356
Arl6ip5	1.29E-55	0.398830675	0.733	0.645	1.27E-51	1.318438864
Arpc3	8.81E-60	-0.370508426	0.461	0.794	8.70E-56	0.773509853
Arpc5	7.70E-44	-0.357322768	0.596	0.852	7.61E-40	0.78061183
Arrdc4	8.42E-29	0.310224329	0.136	0.045	8.31E-25	1.239900481
Asb13	4.91E-35	0.257411827	0.221	0.163	4.85E-31	1.195332372
Atp1a1	1.75E-82	0.544974369	0.566	0.407	1.73E-78	1.458994424
Atp1b1	5.74E-74	0.555604172	0.523	0.364	5.67E-70	1.469784021
Atp1b3	5.27E-32	0.29143747	0.885	0.879	5.21E-28	1.223859097
Atp5d	2.84E-42	-0.332401106	0.464	0.75	2.81E-38	0.794213558
Atp5e	8.76E-42	-0.287189424	0.765	0.943	8.65E-38	0.819497002
Atp5h	6.26E-46	-0.271948365	0.739	0.942	6.18E-42	0.828200303
AY036118	8.41E-38	0.329293147	0.194	0.082	8.30E-34	1.256397648
B4galnt1	8.84E-50	0.445888511	0.709	0.608	8.73E-46	1.362152765
Baz2b	1.95E-28	0.308878634	0.209	0.126	1.93E-24	1.238744484
Bbc3	6.83E-175	1.009969883	0.52	0.094	6.75E-171	2.013869059
Bbip1	4.50E-30	-0.31319752	0.062	0.247	4.45E-26	0.804855937
BC031181	2.99E-42	-0.311648147	0.186	0.449	2.95E-38	0.805720771
BC100530	1.53E-145	0.729797581	0.286	0.001	1.51E-141	1.658406391

Bcl2	8.60E-64	0.598592101	0.888	0.762	8.49E-60	1.514238129
Bcl2l11	1.43E-31	0.323393556	0.185	0.076	1.41E-27	1.251270371
Bcl3	3.59E-33	0.357641162	0.174	0.058	3.55E-29	1.281329183
Bin1	1.89E-30	-0.267149916	0.22	0.445	1.87E-26	0.830959509
Birc3	8.67E-40	0.311395471	0.235	0.164	8.56E-36	1.240907408
Bloc1s1	1.06E-33	0.317038641	0.321	0.24	1.05E-29	1.245770781
Borcs8	1.07E-29	-0.277983657	0.126	0.327	1.06E-25	0.824742892
Bst2	2.14E-50	0.441299954	0.496	0.398	2.11E-46	1.35782726
Btg1	5.45E-124	0.598764207	0.997	0.98	5.38E-120	1.51441878
Calm1	1.72E-92	-0.460090695	0.834	0.986	1.70E-88	0.726940558
Calr	7.23E-50	-0.410988397	0.39	0.71	7.14E-46	0.752107925
Cap1	3.11E-51	-0.391098123	0.464	0.776	3.07E-47	0.762548961
Card19	5.21E-30	0.279595136	0.262	0.176	5.14E-26	1.213854192
Cbx3	1.16E-40	0.282106149	0.569	0.554	1.14E-36	1.215968747
Cbx7	1.06E-29	0.270178708	0.179	0.1	1.05E-25	1.205957202
Ccdc124	1.68E-29	-0.295336403	0.115	0.319	1.66E-25	0.814882298
Ccnd3	7.06E-63	0.47413853	0.678	0.559	6.97E-59	1.389088512
Ccnl2	1.40E-66	0.435066776	0.558	0.444	1.39E-62	1.351973408
Ccr7	1.59E-36	0.310892228	0.788	0.789	1.57E-32	1.240474628
Cct4	6.34E-34	-0.298773513	0.389	0.65	6.26E-30	0.812943215
Cct5	3.69E-34	-0.274811566	0.417	0.676	3.65E-30	0.82655827
Cd200	4.08E-38	0.417449561	0.171	0.051	4.03E-34	1.335564417
Cd27	3.65E-33	-0.2979558	0.597	0.828	3.61E-29	0.813404118
Cd3g	2.30E-64	-0.352418795	0.912	0.988	2.27E-60	0.783269782
Cd47	1.26E-41	0.323486003	0.852	0.86	1.24E-37	1.251350554
Cd48	1.05E-35	-0.315735635	0.248	0.507	1.04E-31	0.803441209
Cd5	6.00E-33	-0.368200175	0.191	0.436	5.92E-29	0.774748427
Cd52	9.03E-284	-0.721568687	0.957	1	8.91E-280	0.606437685
Cd69	7.86E-26	0.517031781	0.368	0.2	7.76E-22	1.431008044
Cd74	3.42E-94	-0.653994527	0.379	0.799	3.38E-90	0.635518256
Cd79b	9.58E-30	-0.277144909	0.079	0.261	9.46E-26	0.825222516
Cd8a	3.12E-12	-0.269275062	0.055	0.155	3.08E-08	0.829736374
Cd8b1	2.50E-20	-0.467784687	0.145	0.324	2.47E-16	0.723074053
Cdc37	9.45E-80	-0.563815392	0.221	0.628	9.33E-76	0.676510677
Cdc42	1.36E-38	-0.305287468	0.641	0.872	1.34E-34	0.809280945
Cdk2ap2	2.44E-62	-0.414913773	0.573	0.875	2.41E-58	0.750064323
Cdkn2d	1.27E-51	0.372610365	0.556	0.481	1.26E-47	1.294693288
Cfl1	3.32E-125	-0.481098345	0.923	0.996	3.28E-121	0.716431986
Chchd2	1.89E-34	-0.258509541	0.673	0.884	1.86E-30	0.835951101
Chd3	2.57E-106	-0.701066227	0.275	0.741	2.54E-102	0.615117435
Chmp1a	3.54E-46	0.351282039	0.338	0.218	3.50E-42	1.275693758
Chmp4b	3.32E-69	0.456977961	0.528	0.422	3.28E-65	1.372663461
Cirbp	6.04E-206	0.838882186	0.913	0.658	5.96E-202	1.788663731
Cited2	7.04E-38	0.333529727	0.234	0.139	6.96E-34	1.260092574
Clec2d	3.14E-35	-0.334444463	0.158	0.397	3.10E-31	0.793089472
Clk1	8.84E-41	0.309319979	0.506	0.458	8.73E-37	1.239123496
Cnn2	2.14E-97	-0.634396365	0.485	0.868	2.11E-93	0.644210301

Coa3	2.69E-40	-0.307304121	0.155	0.403	2.66E-36	0.808150492
Coro1a	2.50E-85	-0.36440014	0.949	0.998	2.47E-81	0.776791791
Cotl1	3.76E-69	-0.450860467	0.585	0.891	3.72E-65	0.731606366
Cox6a1	1.51E-37	-0.266841605	0.577	0.825	1.49E-33	0.831137108
Cox7b	9.50E-31	-0.263253424	0.46	0.705	9.38E-27	0.833206833
Cox7c	1.77E-31	-0.291164774	0.733	0.904	1.75E-27	0.817241984
Crlf2	2.60E-45	0.40115698	0.27	0.135	2.57E-41	1.320566524
Crlf3	4.80E-56	0.386869773	0.638	0.595	4.74E-52	1.307553315
Ctsd	2.81E-46	0.294005535	0.49	0.477	2.77E-42	1.226039564
Ctse	3.63E-44	0.369283281	0.539	0.423	3.58E-40	1.29171096
Cxcr4	2.94E-43	0.365836893	0.147	0.031	2.90E-39	1.288628934
Cyb5a	5.73E-55	0.351624445	0.684	0.661	5.66E-51	1.275996565
Cycs	2.70E-32	-0.285074083	0.351	0.603	2.67E-28	0.820699464
Dapl1	1.21E-32	-0.634248229	0.441	0.666	1.19E-28	0.644276452
Daxx	3.89E-74	0.568174308	0.464	0.297	3.84E-70	1.482646133
Dbi	5.34E-37	-0.376233605	0.12	0.363	5.27E-33	0.770446346
Ddit4	4.40E-171	0.94065929	0.706	0.376	4.35E-167	1.919405178
Ddrgk1	8.55E-49	0.283332299	0.422	0.386	8.44E-45	1.217002642
Ddx58	6.03E-40	0.369271576	0.302	0.192	5.96E-36	1.29170048
Ddx60	2.24E-29	0.365395604	0.278	0.154	2.21E-25	1.288234831
Dhx58	9.70E-38	0.344081992	0.153	0.051	9.58E-34	1.269343024
Dock2	4.12E-33	-0.252300325	0.254	0.488	4.07E-29	0.839556705
Dok2	3.91E-28	-0.279855578	0.306	0.539	3.86E-24	0.823673468
Dpp4	1.56E-24	0.261276455	0.235	0.171	1.54E-20	1.198538668
Dtx1	2.88E-22	-0.280282577	0.055	0.204	2.84E-18	0.823429718
Dtx3l	3.66E-34	0.338294074	0.28	0.187	3.61E-30	1.264260775
Dusp1	2.27E-25	0.269677573	0.134	0.04	2.24E-21	1.205538372
Dusp2	1.93E-36	0.475630465	0.581	0.43	1.91E-32	1.390525754
Dynll1	3.46E-109	-0.706235516	0.387	0.825	3.42E-105	0.612917365
Dynlt1c	6.57E-62	0.475842705	0.417	0.253	6.49E-58	1.390730334
E230001N04Rik	2.58E-69	0.504169572	0.322	0.174	2.55E-65	1.418306731
Ech1	2.14E-35	-0.323687126	0.107	0.329	2.11E-31	0.799025181
Edf1	7.00E-56	-0.435287695	0.395	0.731	6.91E-52	0.739546263
Eef1a1	5.23E-147	-0.271312639	1	1	5.17E-143	0.828565331
Eef1d	2.54E-78	-0.500361406	0.498	0.853	2.51E-74	0.706929668
Eef1g	2.20E-228	-0.82207177	0.735	0.99	2.18E-224	0.565629092
Eif3h	5.92E-40	-0.301419537	0.798	0.948	5.85E-36	0.811453575
Eif4a1	5.06E-55	-0.420123389	0.727	0.931	5.00E-51	0.747360702
Eif5	2.10E-36	-0.273112833	0.515	0.773	2.08E-32	0.827532093
Emb	4.15E-129	0.717552969	0.806	0.656	4.10E-125	1.644390531
Emp3	3.43E-35	-0.33674147	0.561	0.805	3.39E-31	0.791827748
Erlec1	3.20E-30	0.254991266	0.235	0.172	3.16E-26	1.193328519
Evl	4.00E-39	-0.329116033	0.441	0.72	3.95E-35	0.796024074
Fam102a	5.89E-39	0.260232432	0.289	0.249	5.82E-35	1.197671645
Fam107b	4.77E-43	0.326604538	0.412	0.357	4.71E-39	1.254058404
Fam162a	2.53E-33	-0.315460516	0.106	0.321	2.50E-29	0.803594438
Fam46c	2.50E-27	0.280947603	0.182	0.093	2.47E-23	1.214992664

Filip1l	7.64E-32	-0.312453398	0.1	0.301	7.55E-28	0.805271178
Fkbp3	1.28E-30	-0.262574352	0.474	0.718	1.26E-26	0.833599113
Fkbp5	1.94E-157	0.908360743	0.43	0.058	1.92E-153	1.876911653
Flna	5.91E-29	-0.32480677	0.13	0.34	5.84E-25	0.798405315
Fnbp4	2.14E-44	0.371477755	0.336	0.226	2.11E-40	1.293677268
Fubp1	1.08E-35	-0.286420324	0.423	0.689	1.07E-31	0.819933992
Fus	8.77E-41	0.292355491	0.839	0.842	8.66E-37	1.224638115
Gadd45g	7.49E-21	0.270638794	0.115	0.031	7.40E-17	1.206341852
Gbp4	7.63E-22	0.273382088	0.494	0.48	7.54E-18	1.2086379
Gbp7	4.35E-28	0.319523616	0.401	0.344	4.30E-24	1.247918413
Gbp9	1.35E-37	0.370112598	0.34	0.244	1.33E-33	1.292453699
Gigyf1	2.44E-27	0.254714788	0.152	0.076	2.41E-23	1.193099851
Gimap1	1.07E-48	-0.339208281	0.575	0.852	1.06E-44	0.790474988
Gimap3	4.58E-40	-0.337804541	0.518	0.788	4.53E-36	0.791244493
Gimap4	5.33E-86	-0.541863048	0.528	0.884	5.27E-82	0.686883318
Gimap7	7.22E-78	-0.64299521	0.112	0.492	7.13E-74	0.640382057
Gm10020	3.38E-124	0.683802647	0.638	0.408	3.34E-120	1.606368236
Gm10036	5.43E-52	0.437885714	0.207	0.048	5.36E-48	1.354617665
Gm10073	0	1.122882631	0.964	0.816	0	2.17781685
Gm10076	1.38E-130	0.580075878	0.976	0.932	1.37E-126	1.494927872
Gm10094	2.88E-30	0.313901868	0.201	0.085	2.85E-26	1.243065113
Gm10250	3.17E-28	0.274911106	0.144	0.043	3.14E-24	1.209919536
Gm10260	3.74E-206	0.487399962	1	1	3.69E-202	1.401916052
Gm10263	1.55E-49	0.400600153	0.179	0.032	1.53E-45	1.320056933
Gm10269	6.98E-28	0.271721858	0.156	0.052	6.90E-24	1.20724782
Gm11808	0	1.327955959	0.998	0.946	0	2.510467345
Gm2000	0	1.176998655	0.957	0.673	0	2.261059026
Gm20186	5.44E-56	0.472913888	0.313	0.175	5.37E-52	1.387909874
Gm21092	2.52E-38	0.288808302	0.468	0.426	2.49E-34	1.221630767
Gm26771	9.74E-19	0.253527908	0.136	0.052	9.62E-15	1.192118713
Gm26917	6.09E-70	0.511957002	0.55	0.381	6.01E-66	1.425983217
Gm4955	6.37E-56	0.536989447	0.246	0.07	6.29E-52	1.450941595
Gm5483	8.39E-57	0.282884703	0.111	0	8.28E-53	1.216625125
Gm5914	6.30E-45	0.426899962	0.227	0.077	6.23E-41	1.344341773
Gm6133	9.13E-32	0.283345771	0.136	0.033	9.02E-28	1.217014005
Gm6483	1.77E-64	0.485058643	0.445	0.274	1.75E-60	1.399642757
Gm8186	1.48E-145	0.721087591	0.616	0.35	1.46E-141	1.648424248
Gm8369	2.09E-51	0.421337067	0.602	0.549	2.07E-47	1.3391681
Gm8797	1.17E-162	0.889941979	0.613	0.239	1.15E-158	1.853101596
Gm9493	4.31E-150	0.853859677	0.509	0.163	4.26E-146	1.807329656
Gm9774	9.86E-39	0.316090425	0.175	0.068	9.74E-35	1.244952264
Gm9843	0	1.302462933	0.949	0.593	0	2.466495975
Gna13	4.60E-26	0.260928059	0.259	0.189	4.54E-22	1.198249269
Gnb2l1	3.49E-101	-0.399619073	0.929	0.997	3.45E-97	0.758058413
Gng5	2.63E-56	-0.358269591	0.572	0.865	2.60E-52	0.780099692
Gpr171	1.02E-39	0.358777778	0.234	0.137	1.01E-35	1.282339066
Gpr65	3.35E-27	0.277907789	0.223	0.148	3.31E-23	1.212435323

Gpx1	2.24E-42	-0.363348907	0.333	0.63	2.21E-38	0.777358014
Gramd3	4.04E-69	0.521934073	0.591	0.433	3.99E-65	1.435878893
Grccl0	6.87E-48	0.340943544	0.717	0.69	6.79E-44	1.266584688
Gstp1	3.02E-73	0.497019015	0.548	0.411	2.98E-69	1.411294444
H2-Aa	6.13E-59	-0.475360971	0.223	0.57	6.06E-55	0.719286798
H2-Ab1	2.99E-68	-0.53651104	0.183	0.554	2.95E-64	0.689436202
H2-D1	8.58E-166	0.355953853	1	1	8.47E-162	1.279831476
H2-Eb1	1.10E-51	-0.449341283	0.12	0.416	1.09E-47	0.732377166
H2-K1	1.65E-108	0.440479379	1	0.998	1.63E-104	1.357055176
H2-Q4	2.02E-236	0.887800379	0.964	0.815	1.99E-232	1.850352811
H2-Q6	2.25E-148	0.783699309	0.698	0.411	2.22E-144	1.72153953
H2-Q7	2.77E-40	0.306028712	0.608	0.58	2.74E-36	1.236299865
H2-T22	2.19E-52	0.375570608	0.742	0.721	2.17E-48	1.297352576
H2-T23	1.12E-104	0.593130285	0.88	0.782	1.11E-100	1.5085163
H3f3b	1.65E-40	0.2837583	0.994	0.996	1.63E-36	1.217362053
Hba-a1	0	2.072441552	0.899	0.033	0	4.205978722
Hba-a2	0	1.78370909	0.815	0.029	0	3.443102404
Hbb-bs	0	2.982205408	0.991	0.118	0	7.901931873
Hbb-bt	6.32E-206	0.99003433	0.441	0.012	6.24E-202	1.986232254
Hnrnpa0	5.71E-34	0.268605128	0.281	0.212	5.64E-30	1.204642554
Hnrnpa1	3.41E-35	-0.307750581	0.42	0.687	3.36E-31	0.807900439
Hnrnpa2b1	7.23E-35	-0.30325139	0.662	0.874	7.14E-31	0.810423891
Hnrnpc	2.87E-31	-0.273497253	0.333	0.579	2.84E-27	0.827311618
Hnrnpdl	5.24E-45	0.312283422	0.599	0.549	5.17E-41	1.241671398
Hnrnpf	1.72E-35	-0.259149736	0.872	0.974	1.70E-31	0.83558023
Hp	1.56E-56	0.334237792	0.126	0.002	1.54E-52	1.260711171
Hsp90ab1	9.21E-47	-0.399276656	0.722	0.924	9.10E-43	0.758238356
Hsp90b1	1.26E-43	-0.354939839	0.237	0.525	1.25E-39	0.781902248
Hspa8	2.53E-43	-0.296844253	0.921	0.99	2.50E-39	0.814031059
Hspe1	1.30E-52	-0.456113152	0.504	0.805	1.29E-48	0.728947515
Id3	9.84E-31	-0.459955841	0.052	0.235	9.71E-27	0.727008511
Ifi203	1.00E-63	0.500822393	0.891	0.859	9.90E-60	1.415019949
Ifi27	3.47E-39	-0.298591502	0.254	0.518	3.43E-35	0.813045783
Ifi27l2a	1.98E-26	0.284523298	0.923	0.91	1.95E-22	1.218007737
Ifi35	2.54E-36	0.259718447	0.412	0.377	2.51E-32	1.197245031
Ifi44	5.82E-57	0.663207318	0.248	0.056	5.75E-53	1.583599282
Ifit1	1.57E-127	1.100250191	0.542	0.159	1.55E-123	2.14391869
Ifit3	1.06E-127	1.037363772	0.45	0.089	1.05E-123	2.052473751
Ifit3b	4.98E-79	0.69925378	0.286	0.043	4.92E-75	1.623664751
Ifitm2	2.99E-39	0.340678079	0.153	0.03	2.96E-35	1.26635165
Ifngr1	4.33E-133	0.784465257	0.643	0.368	4.27E-129	1.722453764
Igf2bp3	1.52E-39	0.26077608	0.221	0.169	1.50E-35	1.198123047
Iigp1	1.80E-22	0.392344733	0.264	0.179	1.78E-18	1.312524846
Il7r	3.01E-124	0.787352853	0.874	0.619	2.98E-120	1.725904758
Irf7	8.76E-121	0.849737937	0.57	0.26	8.65E-117	1.802173533
Irf9	2.72E-45	0.393883911	0.434	0.321	2.68E-41	1.313925895
Irgm1	2.31E-31	0.319452843	0.349	0.274	2.28E-27	1.247857197

Isg15	2.35E-63	0.732737589	0.46	0.248	2.32E-59	1.661789434
Isg20	3.63E-31	0.380347471	0.209	0.12	3.58E-27	1.30165532
Itga4	1.44E-26	0.285311276	0.382	0.312	1.42E-22	1.218673176
Itm2c	1.80E-42	0.333399801	0.434	0.356	1.78E-38	1.259979098
Junb	8.64E-84	0.765950424	0.652	0.451	8.53E-80	1.700489884
Klf13	1.55E-103	0.596332148	0.852	0.745	1.53E-99	1.511867962
Klf2	2.25E-28	0.316230497	0.938	0.945	2.22E-24	1.245073143
Klhdc1	1.77E-106	0.725580659	0.509	0.26	1.75E-102	1.653566033
Klhdc2	2.86E-114	0.768129841	0.671	0.406	2.82E-110	1.703060683
Klhl6	1.29E-192	1.005978999	0.72	0.388	1.28E-188	2.008305852
Lamtor2	3.92E-41	-0.267907819	0.363	0.641	3.87E-37	0.830523089
Lck	5.27E-30	-0.250411519	0.828	0.95	5.20E-26	0.84065659
Lcp1	7.69E-125	-0.764118403	0.311	0.801	7.60E-121	0.588813068
Lfng	2.56E-30	0.254748519	0.531	0.524	2.53E-26	1.193127747
Lgals1	8.78E-66	-0.626592654	0.125	0.474	8.67E-62	0.647704353
Lgals3bp	1.20E-40	0.400590965	0.269	0.132	1.19E-36	1.320048525
Lmo4	4.22E-29	0.292173904	0.207	0.126	4.17E-25	1.224483984
Lpcat3	1.90E-75	0.526008888	0.362	0.161	1.88E-71	1.43994019
Luc7l2	2.54E-53	0.389532307	0.67	0.593	2.51E-49	1.309968669
Ly6a	3.15E-262	1.549648918	0.771	0.179	3.11E-258	2.927458905
Ly6c2	3.11E-17	-0.372313455	0.06	0.188	3.07E-13	0.772542681
Maf1	6.35E-37	0.30530656	0.455	0.38	6.27E-33	1.235681181
Manf	1.89E-32	-0.252393908	0.308	0.549	1.86E-28	0.839502247
Matr3	1.34E-34	0.254575566	0.518	0.502	1.32E-30	1.192984721
Mau2	3.27E-31	0.306065292	0.272	0.172	3.23E-27	1.236331213
Mbnl1	4.77E-32	-0.25466048	0.637	0.854	4.71E-28	0.838184368
Mboat7	1.13E-29	0.278500491	0.186	0.111	1.11E-25	1.21293353
Mcmbp	5.65E-34	0.324152381	0.354	0.271	5.59E-30	1.251928683
Mdm4	3.44E-46	0.378508076	0.374	0.262	3.40E-42	1.299996804
Med28	7.10E-40	-0.308439886	0.348	0.63	7.01E-36	0.807514524
Mfhas1	3.80E-30	0.295482025	0.199	0.121	3.75E-26	1.227294966
Mien1	3.18E-46	-0.383146015	0.175	0.463	3.14E-42	0.766763722
Mitd1	2.62E-44	0.320334434	0.422	0.387	2.59E-40	1.24861996
Mndal	3.37E-95	0.601292323	0.949	0.902	3.32E-91	1.517074909
Mpv17l	8.93E-32	0.268389447	0.114	0.022	8.82E-28	1.204462475
Mrgbp	1.74E-26	0.265609849	0.171	0.101	1.72E-22	1.202144106
Mrpl33	3.54E-48	-0.369569956	0.4	0.712	3.50E-44	0.774013183
Mrpl42	2.99E-38	-0.308420175	0.164	0.409	2.95E-34	0.807525557
Mrps21	2.33E-42	-0.293758808	0.278	0.555	2.30E-38	0.815773864
Ms4a4b	7.05E-60	-0.268946536	0.913	0.996	6.97E-56	0.829925341
Ms4a4c	7.99E-25	-0.306796169	0.111	0.295	7.89E-21	0.80843508
Ms4a6b	7.99E-50	-0.342520793	0.812	0.963	7.90E-46	0.788662093
Msh3	1.12E-27	0.293326185	0.218	0.146	1.11E-23	1.22546237
mt-Atp8	7.57E-76	0.548110585	0.4	0.202	7.48E-72	1.462169522
mt-Co1	3.18E-106	0.368338816	1	1	3.14E-102	1.290865614
mt-Cytb	4.05E-66	-0.277691571	0.984	1	4.00E-62	0.824909884
mt-Nd5	1.27E-39	0.260367438	0.588	0.602	1.25E-35	1.197783727

Myl12a	4.77E-103	-0.555078515	0.652	0.946	4.71E-99	0.680620016
Myl6	7.40E-95	-0.444653705	0.902	0.992	7.31E-91	0.734760663
Naca	2.55E-130	-0.453913894	0.916	0.998	2.52E-126	0.730059577
Nars2	1.52E-34	0.25768497	0.161	0.097	1.50E-30	1.195558703
Ndfip1	2.09E-36	0.334013886	0.311	0.223	2.06E-32	1.260515524
Ndrg3	2.34E-50	0.415725222	0.397	0.295	2.31E-46	1.333969076
Ndufa3	5.19E-45	-0.299083029	0.526	0.807	5.12E-41	0.812768825
Ndufa4	7.63E-45	-0.322810998	0.697	0.912	7.54E-41	0.799510564
Ndufb2	9.17E-32	-0.288978035	0.215	0.45	9.06E-28	0.818481643
Neb	6.03E-143	0.814665358	0.34	0.014	5.95E-139	1.758890119
Nfkbia	1.12E-137	1.055223202	0.814	0.584	1.11E-133	2.07803968
Ngp	2.14E-112	0.578261499	0.24	0.003	2.11E-108	1.493048984
Nhp2	1.55E-27	-0.313719995	0.223	0.448	1.54E-23	0.80456451
Nisch	3.27E-54	0.382358051	0.518	0.44	3.23E-50	1.303470607
Nme1	5.25E-48	-0.384170306	0.558	0.836	5.18E-44	0.766219525
Nme2	2.11E-89	0.597517542	0.453	0.227	2.09E-85	1.513110702
Nop10	1.40E-49	-0.371865109	0.583	0.855	1.38E-45	0.772782801
Npm1	3.62E-64	-0.381889601	0.919	0.986	3.58E-60	0.767431772
Nrip1	1.02E-129	0.872847762	0.592	0.27	1.00E-125	1.83127412
Oxct1	3.10E-32	-0.321732104	0.112	0.327	3.06E-28	0.800108688
Parp14	3.18E-37	0.356599686	0.283	0.199	3.14E-33	1.28040453
Parp9	7.10E-47	0.44505499	0.329	0.199	7.01E-43	1.361366006
Patz1	2.95E-30	0.27865301	0.19	0.107	2.91E-26	1.213061766
Pcbp2	2.55E-36	0.250252782	0.681	0.69	2.52E-32	1.1894155
Pdcd4	5.74E-197	0.86517431	0.921	0.76	5.67E-193	1.82155974
Pfn1	0	-0.878926791	0.981	1	0	0.543771788
Phf11b	1.19E-53	0.429548472	0.346	0.247	1.18E-49	1.346811992
Pik3ip1	0	1.24751523	0.935	0.57	0	2.374321385
Pim1	1.07E-36	0.469409442	0.408	0.279	1.05E-32	1.384542599
Plekhj1	7.52E-42	-0.312786583	0.245	0.521	7.42E-38	0.805085225
Pml	1.75E-31	0.320951734	0.194	0.104	1.73E-27	1.249154334
Pofut2	1.26E-33	0.264641045	0.167	0.097	1.24E-29	1.201337109
Pole4	1.08E-31	-0.294172445	0.316	0.565	1.06E-27	0.815540006
Polr3gl	2.25E-37	0.310652822	0.246	0.171	2.22E-33	1.240268796
Pomp	2.70E-52	-0.35876811	0.357	0.68	2.67E-48	0.779830178
Ppia	1.04E-108	-0.314060799	0.994	1	1.02E-104	0.804374472
Ppp1ca	1.03E-49	-0.34319923	0.649	0.897	1.02E-45	0.788291307
Ppp1r21	2.71E-81	0.578437958	0.273	0.048	2.68E-77	1.493231614
Ppp1r9b	5.46E-54	0.442976077	0.218	0.078	5.39E-50	1.3594057
Prdx1	9.75E-67	-0.483185879	0.491	0.827	9.63E-63	0.715396081
Prelid2	9.91E-45	0.395857281	0.283	0.161	9.78E-41	1.31572436
Prkch	8.92E-36	0.259167539	0.3	0.259	8.81E-32	1.196787937
Prpf38b	7.61E-46	0.327938078	0.597	0.574	7.52E-42	1.255218115
Psap	1.03E-41	0.324634434	0.577	0.523	1.02E-37	1.252347065
Psmb5	5.65E-30	-0.25161878	0.289	0.522	5.58E-26	0.839953414
Psme2	1.73E-37	-0.315516666	0.645	0.871	1.70E-33	0.803563163
Ptp4a2	1.22E-47	0.368871846	0.741	0.697	1.20E-43	1.291342636

Ptpn22	5.74E-113	0.7852064	0.48	0.19	5.67E-109	1.723338853
Ptpn6	3.02E-35	-0.398071861	0.237	0.503	2.98E-31	0.758871826
Ptpnc	8.40E-44	-0.319650722	0.825	0.964	8.30E-40	0.801263841
Ptpncap	5.73E-46	-0.305703366	0.807	0.962	5.66E-42	0.80904768
Pydc3	3.68E-60	0.50937582	0.445	0.306	3.63E-56	1.423434215
Rab27a	9.39E-43	0.341453367	0.196	0.081	9.27E-39	1.267032356
Rabac1	1.56E-64	0.458427993	0.888	0.802	1.54E-60	1.3740438
Rac2	1.19E-159	-0.637744138	0.791	0.988	1.18E-155	0.642717145
Ran	3.94E-45	-0.435820561	0.501	0.784	3.90E-41	0.739273159
Ranbp1	4.45E-35	-0.31024391	0.43	0.695	4.39E-31	0.806505395
Rapgef6	6.78E-75	0.472541231	0.81	0.759	6.70E-71	1.387551415
Rasgrp1	5.15E-32	-0.30575599	0.209	0.446	5.09E-28	0.80901817
Rbbp6	2.57E-37	0.267597339	0.447	0.406	2.54E-33	1.203801349
Rbm22	3.95E-33	0.264657643	0.335	0.272	3.91E-29	1.201350931
Rbx1	2.12E-40	-0.311475726	0.548	0.812	2.09E-36	0.805817071
Rcan3	1.59E-28	0.283533464	0.174	0.085	1.57E-24	1.217172348
Rcsd1	6.69E-67	0.464296336	0.594	0.482	6.60E-63	1.379644278
Retnlg	3.65E-139	0.675545661	0.284	0.002	3.60E-135	1.597200757
Rexo2	3.82E-73	-0.584382446	0.209	0.598	3.77E-69	0.666934763
Rgs10	2.96E-24	-0.251045817	0.588	0.791	2.93E-20	0.840287066
Rnaset2a	9.41E-35	0.261422881	0.788	0.796	9.29E-31	1.19866032
Rnf114	2.01E-34	0.30150433	0.387	0.31	1.99E-30	1.232428824
Rpl10	0	-0.59907501	0.987	1	0	0.660177095
Rpl10-ps3	2.47E-202	0.760826602	0.921	0.791	2.44E-198	1.6944612
Rpl10a	1.11E-100	-0.272302148	0.998	1	1.10E-96	0.827997233
Rpl13-ps3	4.34777768340297e-322	1.157693906	0.845	0.445	4.2943000	2.231005247
Rpl22	1.13E-82	-0.328763996	0.964	0.998	1.11E-78	0.796218338
Rpl22l1	3.92E-105	-0.415850455	0.964	0.997	3.87E-101	0.749577496
Rpl23	1.06E-116	-0.252050448	1	1	1.05E-112	0.83970213
Rpl23a-ps3	0	1.130428473	1	0.938	0	2.189237499
Rpl27-ps3	0	1.21781371	0.885	0.452	0	2.325939724
Rpl28	2.20E-101	-0.336720108	0.987	0.999	2.17E-97	0.791839473
Rpl29	5.75E-112	0.615434717	0.573	0.37	5.68E-108	1.532019561
Rpl36-ps3	5.68E-27	0.256282655	0.114	0.029	5.61E-23	1.194397172
Rpl36al	6.95E-115	-0.493176607	0.837	0.988	6.87E-111	0.710459046
Rpl37	9.68E-150	-0.288960694	1	1	9.56E-146	0.818491481
Rpl37a	2.92E-136	-0.295369724	1	1	2.89E-132	0.814863478
Rpl41	1.81E-194	-0.305974981	1	1	1.79E-190	0.808895376
Rpl5	8.73E-71	-0.297069426	0.957	0.999	8.63E-67	0.813904017
Rpl6l	5.55E-90	0.595371168	0.393	0.169	5.48E-86	1.510861241
Rpl7	2.31E-181	-0.38778091	0.989	1	2.28E-177	0.76430432
Rpl7a	6.75E-90	-0.385081831	0.908	0.995	6.67E-86	0.765735564
Rpl7a-ps5	1.66E-53	0.394453584	0.216	0.077	1.64E-49	1.314444824
Rpl9	4.59E-179	-0.3230179	1	1	4.53E-175	0.799395912
Rpl9-ps6	1.09E-231	1.054562267	0.733	0.312	1.07E-227	2.077087894
Rps12	2.33E-89	-0.360560462	0.972	0.999	2.30E-85	0.778861946
Rps12-ps3	2.47E-172	0.826554686	0.671	0.409	2.44E-168	1.77344512

Rps18	2.71E-294	-0.369459417	1	1	2.68E-290	0.77407249
Rps18-ps3	0	1.144618894	0.943	0.662	0	2.210877198
Rps2	8.04E-116	-0.322429362	1	1	7.94E-112	0.799722087
Rps2-ps6	9.72E-110	0.695708511	0.474	0.183	9.60E-106	1.619679666
Rps26-ps1	7.03E-73	0.538021855	0.336	0.137	6.95E-69	1.451980275
Rps27	9.92E-201	0.277621664	1	1	9.80E-197	1.212194888
Rps27l	4.55E-30	-0.255419749	0.404	0.648	4.49E-26	0.83774336
Rps27rt	0	1.426385239	1	0.999	0	2.687724451
Rps28	0	0.545834916	1	1	0	1.459864953
Rps3a1	5.49E-154	-0.278223629	1	1	5.42E-150	0.824605718
Rps7	8.82E-150	-0.260794046	1	1	8.71E-146	0.834628422
Rtp4	1.10E-81	0.705544119	0.561	0.277	1.08E-77	1.630759597
S100a10	1.41E-68	-0.50422143	0.411	0.775	1.40E-64	0.70504076
S100a13	1.40E-33	-0.301329671	0.229	0.476	1.39E-29	0.811504122
S100a6	5.79E-28	0.317503749	0.172	0.065	5.72E-24	1.246172468
S100a8	0	1.955197387	0.853	0.016	0	3.877689769
S100a9	0	1.544332973	0.725	0.015	0	2.91669185
Saa3	5.76E-154	0.71433021	0.291	0	5.68E-150	1.640721314
Samd9l	1.62E-73	0.490219098	0.536	0.424	1.60E-69	1.404658181
Samhd1	1.15E-76	0.612406596	0.705	0.575	1.14E-72	1.528807325
Sat1	1.15E-49	0.396326325	0.629	0.509	1.13E-45	1.316152194
Scp2	3.68E-52	-0.370878217	0.472	0.785	3.64E-48	0.773311612
Sdf4	1.37E-43	0.252203809	0.589	0.612	1.35E-39	1.191025093
Sdhaf1	5.83E-74	0.569628406	0.384	0.208	5.76E-70	1.484141252
Sec61b	1.53E-58	-0.402427574	0.485	0.81	1.52E-54	0.756584133
Sep-01	4.79E-31	-0.258608648	0.728	0.908	4.73E-27	0.835893676
Sep-06	1.75E-39	-0.270952144	0.261	0.522	1.73E-35	0.828772395
Sep-07	1.78E-33	-0.302476253	0.455	0.713	1.76E-29	0.810859436
Serf2	4.32E-135	-0.537722589	0.82	0.988	4.27E-131	0.688857469
Serinc3	4.73E-136	0.864250513	0.463	0.147	4.68E-132	1.820393718
Setd4	9.00E-26	0.287367636	0.235	0.151	8.89E-22	1.220411463
Sh3bgrl3	2.63E-93	-0.491534723	0.796	0.978	2.60E-89	0.711268056
Sh3bp5	9.04E-45	0.379797923	0.313	0.195	8.93E-41	1.30115959
Sh3gl1	6.55E-36	0.257239953	0.273	0.24	6.47E-32	1.195189975
Sh3kbp1	7.73E-42	-0.285379771	0.262	0.535	7.64E-38	0.820525587
Skap1	1.93E-39	-0.303077109	0.656	0.883	1.91E-35	0.810521798
Slc25a4	1.72E-29	-0.264209009	0.348	0.587	1.69E-25	0.832655132
Sln1	3.93E-72	0.563909013	0.679	0.554	3.88E-68	1.478269198
Sln2	1.15E-21	0.277485771	0.867	0.842	1.13E-17	1.212080712
Sln5	4.22E-53	0.557996903	0.324	0.135	4.16E-49	1.472223702
Sln8	4.14E-68	0.543208889	0.423	0.247	4.09E-64	1.457210089
Smc4	8.53E-35	-0.428818774	0.329	0.6	8.42E-31	0.742869771
Smchd1	4.29E-58	0.451430791	0.649	0.566	4.24E-54	1.367395698
Snhg20	8.33E-48	0.361027062	0.308	0.199	8.23E-44	1.2843399
Snhg9	5.25E-58	0.4510728	0.261	0.102	5.18E-54	1.367056433
Socs3	1.99E-115	0.972526038	0.493	0.18	1.96E-111	1.962273366
Srsf10	4.84E-44	0.30668023	0.425	0.379	4.78E-40	1.236858302

Srsf5	2.67E-88	0.510541937	0.856	0.774	2.64E-84	1.42458523
Ssbp2	1.77E-41	0.294408396	0.318	0.267	1.74E-37	1.226381973
Ssh2	1.14E-64	0.435635643	0.561	0.474	1.13E-60	1.352506609
Stk17b	2.86E-43	-0.358869808	0.403	0.7	2.82E-39	0.779775208
Stk24	2.06E-41	0.287257631	0.436	0.389	2.04E-37	1.22031841
Stra13	2.99E-31	-0.258465506	0.215	0.439	2.96E-27	0.835976617
Stt3b	6.45E-44	0.332073402	0.412	0.355	6.37E-40	1.258821219
Sugt1	7.75E-32	-0.252731821	0.202	0.425	7.65E-28	0.839305639
Supt4a	3.30E-41	-0.298453536	0.447	0.729	3.26E-37	0.813123538
Susd3	1.40E-51	0.445525241	0.284	0.137	1.39E-47	1.36180982
Taf1d	1.07E-38	0.317179663	0.42	0.38	1.06E-34	1.245892561
Tagln2	3.23E-62	-0.501504692	0.318	0.679	3.19E-58	0.706369672
Taldo1	1.04E-36	-0.297476747	0.333	0.601	1.03E-32	0.813674257
Tap1	2.93E-55	0.4298081	0.599	0.486	2.90E-51	1.347054386
Tapbp	4.71E-81	0.488951196	0.678	0.62	4.65E-77	1.40342425
Tcf7	1.19E-44	0.392946954	0.747	0.669	1.18E-40	1.313072845
Terf2ip	1.92E-10	0.276187583	0.12	0.094	1.89E-06	1.21099053
Tgtp1	6.38E-33	0.391690934	0.28	0.176	6.30E-29	1.311930172
Tgtp2	1.45E-32	0.317340139	0.269	0.201	1.43E-28	1.246031153
Thy1	3.45E-52	-0.558892932	0.338	0.666	3.41E-48	0.678822866
Timm13	8.81E-36	-0.336075069	0.355	0.629	8.70E-32	0.792193589
Tln1	1.12E-34	-0.283659263	0.408	0.67	1.11E-30	0.821504702
Tma7	9.49E-37	-0.298079327	0.799	0.942	9.37E-33	0.813334476
Tmem203	5.60E-41	0.331454198	0.245	0.139	5.53E-37	1.25828105
Tmem258	7.90E-39	-0.293740357	0.425	0.702	7.80E-35	0.815784298
Tmem50a	2.09E-54	0.35798248	0.807	0.796	2.06E-50	1.28163236
Tmsb4x	0	-1.057802382	1	1	0	0.480363227
Tnfaip3	3.85E-25	0.282478074	0.123	0.041	3.80E-21	1.216282263
Tnrc6a	2.18E-52	0.322620332	0.428	0.392	2.15E-48	1.250599922
Tomm7	6.14E-36	-0.259185295	0.526	0.78	6.06E-32	0.835559635
Tpst2	4.07E-40	0.294696905	0.379	0.311	4.02E-36	1.226627249
Tra2b	3.95E-47	0.312866705	0.668	0.65	3.90E-43	1.242173508
Trem12	2.28E-50	0.407347785	0.357	0.255	2.26E-46	1.326245434
Trim12c	2.63E-22	0.250214426	0.31	0.256	2.60E-18	1.189383878
Trim14	4.78E-29	0.266776752	0.153	0.068	4.72E-25	1.203116837
Trnp1	7.60E-57	0.325458638	0.117	0	7.50E-53	1.253062729
Trp53	4.99E-37	-0.284406152	0.313	0.577	4.93E-33	0.821079516
Tsc22d3	0	1.402036227	0.889	0.439	0	2.642743171
Ttyh3	1.76E-49	0.40638772	0.256	0.105	1.74E-45	1.325363157
Tuba1b	1.34E-29	-0.298619414	0.539	0.771	1.32E-25	0.813030053
Tubb4b	3.04E-36	-0.261900009	0.216	0.453	3.01E-32	0.833988844
Txnip	0	1.5098195	0.965	0.617	0	2.84774408
Uba52	0	1.117371774	1	0.994	0	2.169513816
Ubc2	1.34E-43	0.346981176	0.479	0.391	1.33E-39	1.271896411
Ubal2	2.64E-38	0.252174038	0.428	0.421	2.61E-34	1.191000516
Ubc	3.15E-48	0.344982561	0.419	0.331	3.11E-44	1.27013563
Ube2s	7.40E-67	0.381427598	0.457	0.395	7.31E-63	1.302630217

Uqcc2	2.69E-35	-0.273262941	0.163	0.387	2.65E-31	0.827445994
Usp18	1.06E-62	0.607965536	0.365	0.158	1.05E-58	1.524108421
Uvssa	5.58E-36	0.325361595	0.242	0.144	5.52E-32	1.252978444
Vars	1.67E-91	0.600545595	0.427	0.206	1.65E-87	1.516289885
Vasp	2.10E-40	-0.264867205	0.513	0.781	2.07E-36	0.832275339
Wdr89	0	1.098491632	1	0.983	0	2.141306972
Wfdc17	4.22E-45	0.277207281	0.106	0.002	4.17E-41	1.211846762
Xaf1	2.60E-88	0.680327485	0.458	0.217	2.56E-84	1.602503474
Ywhab	8.73E-36	-0.325485895	0.261	0.525	8.63E-32	0.798029567
Zbp1	5.80E-79	0.642507164	0.558	0.386	5.73E-75	1.561039631
Zc3hav1	1.60E-77	0.527159231	0.583	0.442	1.58E-73	1.441088794
Zcchc11	3.71E-31	0.281124403	0.348	0.285	3.66E-27	1.215141568
Zer1	4.06E-31	0.263132702	0.207	0.147	4.01E-27	1.200081764
Zfp1	1.50E-47	0.405477025	0.24	0.103	1.48E-43	1.324526791
Zfp281	7.89E-40	0.334715	0.373	0.296	7.79E-36	1.261128252
Zfp36l2	7.28E-300	1.244109337	0.84	0.386	7.19E-296	2.368722735
Znrf1	3.54E-63	0.454166229	0.46	0.33	3.49E-59	1.369990823