	Avg Log FC	% Healthy	% Inflamed	P Value
Cd74	-3.91	0.028	0.985	0
H2-Ab1	-2.89	0.013	0.911	3.24E-296
Cym	-2.85	0.047	0.459	5.82E-85
Xist	-2.78	0	0.453	1.26E-100
H2-Aa	-2.68	0.011	0.876	2.37E-276
Pigr	-2.66	0.073	0.887	4.42E-275
H2-K1	-2.64	0.555	0.97	0
H2-Eb1	-2.54	0.008	0.867	1.15E-270
Sprr2a3	-2.50	0.124	0.644	1.03E-126
AW112010	-2.41	0.017	0.691	8.62E-184
H2-D1	-2.31	0.718	0.976	0
B2m	-2.16	0.867	0.975	5.15E-297
Bpifb1	-2.14	0.277	0.715	2.85E-113
Ly6a	-2.12	0.004	0.501	3.74E-114
Dmbt1	-1.92	0.043	0.471	1.31E-91
2210407C1	-1.80	0.214	0.588	1.64E-82
Ubd	-1.77	0.001	0.425	7.57E-92
Psmb8	-1.73	0.077	0.696	2.29E-173
Ifitm3	-1.53	0.079	0.562	7.60E-112
Muc6	-0.546547645	0.731	0.797	0.000282

Gene	Avg Log FC	% Healthy	% Inflamed	P Value
Cd74	-3.44	0.013	0.874	0
Sprr2a3	-3.17	0.068	0.734	0
Cym	-3.07	0.091	0.781	0
H2-K1	-2.75	0.441	0.669	3.81E-155
Muc6	-2.75	0.023	0.62	5.05E-256
Tmsb10	-2.71	0.484	0.784	1.27E-245
Rpl39	-2.69	0.867	0.914	0
Rps26	-2.67	0.882	0.914	0
mt-Co1	-2.60	0.986	0.999	0
mt-Co3	-2.55	0.971	0.999	0
H2-D1	-2.55	0.52	0.637	1.30E-111
B2m	-2.55	0.826	0.765	1.02E-171
H2-Aa	-2.53	0.004	0.525	2.30E-212
Rps27	-2.48	0.864	0.868	2.86E-284
Rps28	-2.41	0.856	0.861	1.12E-274
AY036118	-2.41	0.831	0.919	0
Rps29	-2.39	0.88	0.899	0
Rpl37a	-2.39	0.904	0.887	0
H2-Ab1	-2.37	0.006	0.466	8.67E-179
2210407C1	-2.37	0.199	0.665	4.09E-211
Rps21	-2.34	0.839	0.761	2.74E-162
Rps12	-2.29	0.845	0.76	7.87E-155
Ly6a	-2.26	0.007	0.398	2.06E-143
S100a6	-2.24	0.072	0.458	1.12E-135
Rps8	-2.21	0.884	0.783	8.25E-175
Rpl38	-2.16	0.883	0.809	2.53E-199
Rps15a	-2.15	0.881	0.811	5.05E-202
Rpl37	-2.14	0.911	0.845	1.75E-243
Agr2	-2.09	0.357	0.529	1.11E-74
H2-Eb1	-2.09	0.005	0.365	8.66E-130
Tff1	-2.08	0.828	0.963	0
Pigr	-2.07	0.004	0.352	3.46E-124
Rpl36	-2.02	0.895	0.811	3.32E-197
AW112010	-2.00	0.007	0.321	9.46E-108
Rplp1	-1.99	0.911	0.824	5.98E-211
mt-Nd4	-1.99	0.935	0.901	0
Bpifb1	-1.98	0.255	0.514	1.83E-93
S100a11	-1.98	0.14	0.402	1.41E-78
Rpl28	-1.96	0.883	0.696	5.15E-86
Dbi	-1.95	0.828	0.642	5.21E-53
Rplp2	-1.92	0.88	0.698	2.00E-87
mt-Cytb	-1.91	0.981	0.997	0
Rpl22	-1.91	0.833	0.569	1.09E-17
Rpl34	-1.90	0.881	0.682	2.32E-75
Atpif1	-1.90	0.618	0.514	2.20E-20
Rpl35a	-1.89	0.8	0.579	3.76E-25
Rpl27a	-1.86	0.898	0.701	8.34E-88
Rps16	-1.85	0.916	0.78	2.03E-154
Krt8	-1.83	0.806	0.535	2.97E-08

mt-Nd6	-1.82	0.183	0.295	8.88E-23
Rpl23	-1.82	0.925	0.802	5.91E-175
mt-Nd5	-1.82	0.871	0.648	8.90E-52
mt-Nd1	-1.82	0.94	0.92	0
Fxyd3	-1.80	0.895	0.733	7.81E-107
Rpl26	-1.80	0.867	0.604	5.42E-29
Rps20	-1.79	0.909	0.817	1.72E-201
Gm10076	-1.79	0.926	0.962	0
Rpl30	-1.77	0.887	0.73	5.23E-114
Clu	-1.74	0.841	0.666	1.82E-62
Rpl35	-1.73	0.928	0.846	3.96E-229
Fau	-1.72	0.933	0.847	2.85E-228
Tff2	-1.71	0.404	0.73	2.09E-171
Gm42418	-1.71	0.931	0.997	0
Rps24	-1.71	0.948	0.863	9.70E-247
mt-Atp6	-1.71	0.967	0.973	0
Rps18	-1.70	0.882	0.662	4.61E-57
Muc5ac	-1.70	0.05	0.264	6.96E-58
Rpl41	-1.69	0.959	0.918	0
Crip1	-1.68	0.433	0.551	5.46E-62
Tmsb4x	-1.68	0.975	0.977	0
Krt19	-1.68	0.127	0.361	3.69E-63
Rps19	-1.68	0.895	0.715	4.64E-95
Cox7c	-1.68	0.868	0.579	3.10E-16
Rpl36a	-1.67	0.841	0.513	0.269328
Dmbt1	-1.66	0.004	0.225	1.26E-70
Rps10	-1.66	0.896	0.708	8.36E-91
Rps13	-1.66	0.862	0.531	0.001155
Rpl27	-1.64	0.869	0.561	9.79E-11
Uqcr11	-1.64	0.856	0.526	0.014571
Atp4a	-1.64	0.106	0.388	5.69E-81
Rps27a	-1.64	0.917	0.776	2.82E-149
Hspa1b	-1.62	0.243	0.253	0.113152
Rpl18	-1.60	0.895	0.699	5.84E-83
Rack1	-1.60	0.728	0.366	0.001388
Uba52	-1.59	0.951	0.891	4.14E-278
Cox8a	-1.59	0.918	0.785	8.02E-148
mt-Nd2	-1.59	0.903	0.748	3.66E-116
Prdx1	-1.58	0.725	0.544	3.24E-15
Igkc	-1.58	0	0.148	2.01E-45
Rps9	-1.58	0.911	0.732	1.84E-103
Mgst3	-1.57	0.5	0.47	1.29E-17
Rps11	-1.57	0.915	0.71	4.02E-83
Cldn18	-1.55	0.664	0.33	2.84E-06
Spink4	-1.55	0.029	0.2	2.82E-45
Npm1	-1.54	0.733	0.36	8.07E-06
Ywhaz	-1.53	0.562	0.293	2.74E-05
Tpt1	-1.53	0.929	0.794	2.52E-162
Rps5	-1.53	0.917	0.733	7.94E-101
Rpl32	-1.52	0.934	0.774	1.67E-136

Rps23	-1.52	0.885	0.59	1.44E-18
Ptma	-1.52	0.939	0.77	4.66E-127
Rpl12	-1.51	0.794	0.392	0.003314

	avg_logFC	% Infl Neck	% SPEM	P Value
Gkn3	-3.46	0.198	0.863	1.46E-154
Tff2	-3.21	0.615	0.889	7.23E-77
Spink4	-2.25	0.355	0.664	9.31E-34
Wfdc18	-2.06	0.04	0.491	7.83E-122
Muc6	-2.03	0.797	0.993	3.23E-101
Klk1	-1.70	0.058	0.55	8.98E-124
Aqp5	-1.66	0.09	0.668	3.10E-139
Agr2	-1.55	0.841	0.985	3.49E-71
Spp1	-1.53	0.04	0.129	7.60E-06
Cgref1	-1.50	0.155	0.616	6.92E-78
Xist	0.29	0.453	0.406	1
Cftr	-0.84	0.019	0.251	5.53E-58
Wfdc2	-0.61	0.595	0.734	1.57E-07

	Avg Log FC	% Infl Chief	% SPEM	P Value
Gkn3	-3.59	0.18	0.863	5.77E-161
Xist	-2.46	0.002	0.406	8.63E-183
Muc6	-2.37	0.62	0.993	6.30E-117
Spink4	-2.31	0.2	0.664	5.19E-57
Tff2	-2.17	0.73	0.889	8.95E-35
Agr2	-2.13	0.529	0.985	6.82E-106
Wfdc18	-2.05	0.013	0.491	7.26E-184
Spp1	-1.80	0.017	0.129	1.61E-20
Aqp5	-1.79	0.009	0.668	1.05E-289
Scgb2b7	-1.65	0.011	0.292	1.46E-95
Cgref1	-1.57	0.028	0.616	1.01E-199
Wfdc2	-1.04	0.145	0.734	9.79E-87
Cftr	-0.78	0.008	0.251	1.32E-85
Clu	-0.76	0.666	0.934	1.06E-16

Gene Name	Avg Log FC	% Healthy Cells	% Inflamed Cells	Adj P Value	Cluster ID
Irf8	-0.274	0.966	0.023	0	0
Ido1	-0.271	0.993	0.028	7.79E-303	0
Gbp2	-0.257	0.979	0.03	4.16E-291	0
Gbp4	-0.265	1	0.033	1.63E-286	0
Ptprc	-0.334	0.979	0.037	1.02E-265	0
Cxcl9	-0.431	0.938	0.033	9.29E-263	0
Gclc	-0.251	0.993	0.038	2.38E-261	0
Igkv16-104	-0.274	0.836	0.023	2.43E-257	0
Igkv5-48	-0.639	0.979	0.045	4.30E-239	0
Ccl20	-0.390	0.829	0.027	4.67E-239	0
H2-DMb1	-0.411	1	0.049	6.33E-237	0
Igkv12-41	-0.280	0.61	0.007	2.54E-232	0
Gbp2b	-0.367	1	0.052	8.48E-228	0
Reg3g	-0.573	0.959	0.047	4.59E-227	0
Icam1	-0.351	0.815	0.026	2.17E-226	0
Sprr2a1	-0.417	0.966	0.048	1.40E-225	0
Serpina3g	-0.268	0.726	0.02	1.12E-222	0
Serpinb9	-0.451	0.904	0.04	2.52E-217	0
Mcpt1	-0.372	0.76	0.029	1.19E-202	0
Cxcr4	-0.267	0.685	0.021	1.04E-199	0
Ppp1r3a	-0.394	1	0.067	1.65E-193	0
Uhrf1	-0.290	0.678	0.022	2.82E-193	0
Mlph	-0.294	0.938	0.043	6.13E-193	0
Lyz2	-0.426	0.781	0.033	1.78E-190	0
Igtp	-0.595	1	0.069	3.65E-189	0
Atp2a3	-0.252	0.76	0.02	1.07E-188	0
Gadd45g	-0.382	0.103	0.048	2.38E-188	0
Cd44	-0.315	0.678	0.024	2.32E-186	0
Cela2a	0.325	0.459	0.002	3.03E-185	0
Parm1	-0.351	0.158	0.017	3.73E-181	0
Mki67	-0.392	0.884	0.055	1.70E-180	0
Irgm1	-0.677	1	0.074	2.71E-179	0
Slfn9	-0.285	0.664	0.025	3.07E-179	0
Top2a	-0.296	0.815	0.045	1.06E-178	0
H2-DMb2	-0.687	1	0.075	2.11E-177	0
Klf2	-0.256	0.932	0.047	1.34E-176	0
Gcnt3	0.263	1	0.08	4.17E-171	0
Cd52	-0.367	0.692	0.032	3.12E-167	0
Iigp1	-0.385	1	0.082	4.72E-165	0
Hist1h2ap	-0.255	0.986	0.08	8.90E-165	0
Cyba	-0.514	1	0.083	3.37E-163	0
Srgn	-0.283	0.603	0.022	5.56E-158	0
Gsdmc2	-0.484	0.979	0.078	4.26E-157	0
Golm1	-0.316	0.986	0.085	5.99E-151	0
Itln1	-0.375	0.699	0.021	7.66E-147	0
Ttr	0.431	0.178	0.032	1.87E-141	0
Prss2	0.570	0.329	0.001	5.41E-141	0
Jchain	-1.034	1	0.097	7.71E-141	0
Ly6d	-0.395	0.767	0.046	4.76E-139	0

Nqo1	0.270	0.185	0.029	1.12E-138	0
Umod	-0.635	0.767	0.057	4.79E-137	0
Pcp4l1	0.316	0.116	0.007	2.41E-136	0
Pnliprp1	0.413	0.171	0.017	4.56E-135	0
Chka	-0.593	0.911	0.063	8.16E-132	0
Rac2	-0.380	0.568	0.029	7.20E-130	0
Sox4	-0.573	0.945	0.081	2.12E-128	0
Fkbp11	-0.386	0.178	0.044	6.30E-128	0
Try4	0.937	0.233	0.003	3.62E-125	0
Pam	0.318	0.13	0.02	5.11E-125	0
Zfp36l2	-0.641	0.993	0.107	4.23E-124	0
Krt7	-0.253	0.788	0.019	4.54E-124	0
S100a10	-0.386	0.582	0.029	1.81E-122	0
Tnfaip3	-0.338	0.555	0.024	1.14E-120	0
Zg16	0.460	0.274	0	1.04E-119	0
Tmed6	0.449	0.219	0.025	1.38E-114	0
H2-DMa	-0.458	1	0.119	4.25E-114	0
Clca3a2	-0.482	0.596	0.041	9.07E-113	0
Tcim	-0.366	0.863	0.055	1.51E-110	0
Ccdc34	-0.397	0.849	0.048	2.20E-110	0
Papss2	-0.257	0.849	0.049	1.06E-109	0
H2-T23	-0.955	1	0.123	2.46E-109	0
2200002D01Rik	-0.639	0.986	0.123	4.45E-103	0
Sprr1a	-0.732	0.986	0.125	6.49E-101	0
Sox9	-0.523	0.993	0.131	6.38E-100	0
Wars	-0.664	0.993	0.132	1.93E-98	0
Tmem54	-0.462	0.911	0.089	2.51E-98	0
Far1	-0.498	1	0.137	1.20E-97	0
Dusp1	-0.396	0.945	0.108	1.21E-97	0
Akr1c14	0.290	0.568	0.012	4.53E-97	0
Ly6e	-0.655	1	0.137	3.07E-96	0
Cebpb	-0.551	0.774	0.046	2.24E-95	0
Igha	-1.229	1	0.138	2.76E-95	0
Oasl1	-0.327	0.521	0.028	1.62E-93	0
Spink1	0.523	0.199	0	5.79E-86	0
Cyp2c65	-0.425	0.788	0.038	6.12E-86	0
Ifitm3	-0.612	0.993	0.146	8.06E-86	0
Igkc	-1.378	1	0.154	1.32E-81	0
St3gal4	-0.327	0.719	0.025	4.10E-81	0
Gipc2	0.250	0.788	0.041	1.10E-80	0
Chil4	-0.817	0.788	0.066	2.98E-80	0
Lgals4	-0.272	0.267	0.03	3.04E-77	0
Sectm1b	-0.251	0.603	0.018	1.14E-76	0
Tmem176b	-0.387	0.815	0.064	5.37E-76	0
Plvap	0.309	0.699	0.006	5.75E-76	0
Ifi27l2a	-0.417	0.733	0.04	1.47E-73	0
Ifrd1	-0.316	0.808	0.061	7.06E-71	0
Ubd	-1.005	1	0.171	3.05E-70	0
Cotl1	-0.298	0.842	0.086	6.87E-67	0
Mcm5	-0.272	0.377	0.019	1.43E-66	0

mt-Nd3	-0.376	0.973	0.165	3.71E-66	0
Ctse	0.283	0.925	0.143	1.42E-64	0
Rflnb	-0.506	0.918	0.135	2.05E-64	0
Psmb8	-0.652	1	0.184	1.20E-62	0
Gkn3	-1.011	1	0.184	2.38E-62	0
Il33	-0.315	0.705	0.027	7.32E-62	0
Cd59a	0.395	0.308	0.014	1.74E-59	0
Laptm5	-0.360	0.329	0.027	3.14E-55	0
Areg	-0.556	0.74	0.046	1.56E-54	0
Pim1	-0.319	0.644	0.025	1.77E-51	0
Spink4	-0.780	1	0.207	4.54E-51	0
Basp1	-0.319	0.527	0.029	1.25E-50	0
Lypd8	-0.501	0.932	0.17	8.82E-50	0
Ldhb	-0.440	0.301	0.072	2.56E-47	0
Wfdc2	-0.432	0.877	0.141	1.14E-46	0
Pglyrp1	-0.913	0.836	0.117	8.04E-44	0
Apoe	-0.282	0.733	0.052	1.26E-43	0
Smpd3	-0.431	0.719	0.044	2.05E-41	0
Zfp36	-0.340	0.89	0.163	7.62E-41	0
Foxq1	-0.897	0.973	0.217	3.36E-39	0
Gfpt1	-0.603	1	0.241	2.88E-37	0
Cgref1	-0.368	0.685	0.028	8.76E-37	0
Hspa1b	-1.091	1	0.244	5.63E-35	0
Anxa2	-0.490	0.74	0.07	8.51E-35	0
Dmbt1	-1.390	0.986	0.235	1.51E-34	0
Cd74	-0.391	1	0.873	9.53E-34	0
Krt5	-0.303	0.226	0.021	1.31E-33	0
1810010D01Rik	0.303	0.911	0.216	2.32E-32	0
Tst	0.281	0.692	0.046	8.90E-30	0
Tnni3	-0.351	0.336	0.074	9.30E-30	0
Hmgcs1	-0.330	0.781	0.115	7.16E-29	0
Pnliprp2	0.342	0.541	0.035	2.25E-26	0
Gm26825	0.368	0.507	0.019	3.46E-26	0
Cfi	-0.278	0.705	0.063	4.10E-26	0
Chga	-0.664	0.664	0.05	4.30E-24	0
Sst	-0.681	0.726	0.086	8.95E-24	0
Nupr1	0.532	0.37	0.052	1.61E-23	0
Neat1	-0.792	0.945	0.257	1.53E-21	0
Cym	-1.352	1	0.8	1.67E-21	0
Lbh	-0.250	0.664	0.044	8.44E-21	0
Phlda1	-0.294	0.377	0.119	2.91E-20	0
Olfm4	-0.273	0.548	0.018	9.48E-19	0
AY036118	0.498	1	0.924	2.17E-18	0
Atf3	-0.763	0.801	0.169	1.78E-17	0
2210404E10Rik	-0.588	0.678	0.065	2.23E-17	0
Smim6	-0.303	0.753	0.137	6.78E-16	0
Nfkbia	-0.417	0.397	0.052	8.23E-16	0
Gm3776	0.520	0.637	0.039	2.18E-14	0
Pgc	0.979	1	0.999	8.37E-14	0
Gstp1	-0.514	0.432	0.293	1.33E-13	0

Cela1	0.503	0.37	0.018	2.40E-13	0
AW112010	-0.622	1	0.331	3.63E-13	0
Glod5	0.352	0.507	0.013	4.29E-13	0
Gm26917	1.276	1	0.35	8.36E-13	0
S100a1	-0.334	0.76	0.16	9.52E-13	0
Sprr2a3	-0.748	1	0.759	1.86E-12	0
Pdia2	0.682	0.61	0.022	3.46E-12	0
Slbp	-0.318	0.637	0.047	3.57E-12	0
Atp4a	0.515	1	0.402	4.07E-12	0
Fam3b	-0.272	0.384	0.03	5.58E-12	0
Furin	0.401	0.651	0.066	4.92E-11	0
Prr13	0.333	0.733	0.16	9.28E-11	0
Hbb-bs	-0.463	0.596	0.039	3.33E-10	0
Gif	0.674	0.952	0.517	4.56E-10	0
Gstm1	0.276	0.74	0.17	2.90E-09	0
Pigr	-1.328	1	0.351	1.55E-08	0
Serpinb1a	-0.687	0.644	0.072	1.64E-08	0
Pla2g1b	0.679	0.986	0.996	7.29E-08	0
Apoa1	-0.673	0.836	0.253	9.79E-08	0
H2-Eb1	-0.861	1	0.357	1.20E-07	0
Lars2	-0.459	1	0.384	1.34E-07	0
Ucp2	0.358	0.884	0.356	1.41E-07	0
Malat1	0.292	1	0.802	5.89E-06	0
Ghrl	2.392	1	0.409	8.55E-06	0
Rpl23a	-0.377	0.801	0.25	3.66E-05	0
Clps	0.528	0.986	0.999	3.71E-05	0
Gm42418	0.919	1	0.997	3.79E-05	0
H2-K1	-0.610	1	0.661	9.62E-05	0
Dnajb1	-0.671	0.466	0.122	0.000122168	0
Hamp2	-0.354	0.692	0.152	0.000342959	0
Gsto1	-0.374	0.76	0.229	0.001270507	0
Tpm1	-0.331	0.678	0.14	0.001418851	0
Ube2s	-0.261	0.445	0.045	0.002342744	0
Spc24	0.355	0.432	0.017	0.004928632	0
Muc6	-0.856	1	0.637	0.007758716	0
Gsn	-0.253	0.596	0.057	0.014064928	0
Hells	-0.298	0.568	0.027	0.037211669	0
Ly6a	-1.131	1	0.409	0.040946546	0
Bmp2	-0.251	0.322	0.017	0.123192733	0
Hspa1a	-0.610	0.678	0.165	0.189602675	0
Anxa3	-0.317	0.555	0.03	0.687904016	0
Chia1	0.907	0.795	0.411	1	0
Mgst2	-0.581	0.582	0.06	1	0
Gpx2	-0.902	0.726	0.232	1	0
Psca	-0.350	0.945	0.698	1	0
Fabp5	-0.448	0.589	0.255	1	0
Gkn2	0.547	0.918	0.7	1	0
Tubb4b	0.273	0.514	0.104	1	0
Agr2	-0.329	1	0.537	1	0
Anxa10	-0.264	0.623	0.295	1	0

Pdlim1	-0.395	0.493	0.038	1	0
H2-Ab1	-0.880	1	0.456	1	0
Anpep	-0.262	0.541	0.037	1	0
Edem1	-0.330	0.493	0.032	1	0
Tkt	-0.323	0.521	0.095	1	0
Lgals3	-0.420	0.37	0.032	1	0
Rpl9-ps6	-0.529	0.938	0.508	1	0
Muc5ac	-0.528	0.651	0.277	1	0
H2-Aa	-0.966	1	0.521	1	0
Tff1	0.263	1	0.976	1	0
Sytl2	-0.356	0.39	0.027	1	0
Bpifb1	-1.146	1	0.505	1	0
Sfn	-0.293	0.514	0.046	1	0
Fam13a	0.437	0.99	0.092	5.30E-181	1
Serpina3g	-0.342	0.949	0.1	6.21E-162	1
Rgs5	-0.265	0.865	0.078	2.22E-158	1
Cxcl9	-0.428	0.827	0.073	4.64E-151	1
Reg1	-0.416	0.967	0.119	1.36E-146	1
Ddx60	-0.325	1	0.139	5.35E-140	1
C4b	-0.312	1	0.143	3.19E-135	1
Mpeg1	-0.262	0.996	0.147	9.15E-131	1
Ido1	-0.444	0.988	0.151	3.07E-125	1
Socs1	-0.334	0.963	0.162	7.40E-109	1
Gm4951	-0.377	1	0.18	4.12E-105	1
Gsdmc2	-0.286	0.78	0.092	4.95E-100	1
Gm4841	-0.537	1	0.201	1.45E-90	1
2010007H06Rik	-0.284	0.992	0.205	2.31E-89	1
F830016B08Rik	-0.647	1	0.203	3.05E-89	1
Cxcl10	-0.552	0.576	0.072	3.83E-82	1
Irf8	-0.354	1	0.22	3.89E-78	1
Clca3a2	-0.428	0.953	0.207	2.53E-77	1
Scgb2b7	-0.288	0.812	0.081	7.80E-77	1
Isg15	-0.304	0.969	0.207	3.11E-74	1
Tgtp1	-0.427	0.996	0.228	1.29E-71	1
Reg3g	-0.800	0.988	0.245	7.63E-62	1
Tgtp2	-0.434	1	0.25	4.74E-61	1
Serpinb1a	-0.393	0.886	0.187	4.65E-50	1
Gbp7	-0.618	1	0.273	7.48E-50	1
Abhd2	-0.253	0.998	0.293	1.70E-44	1
Icam1	-0.668	0.902	0.225	1.20E-40	1
H2-Aa	-0.538	1	0.906	7.59E-39	1
Lpl	0.264	0.322	0.011	7.00E-37	1
Serping1	-0.349	0.998	0.309	1.28E-34	1
S100a6	-0.548	0.994	0.326	1.80E-32	1
Nupr1	0.497	0.765	0.148	6.06E-31	1
Gbp4	-0.940	1	0.317	8.54E-31	1
Plk2	0.279	0.778	0.147	2.81E-30	1
H2-Ab1	-0.473	1	0.907	3.62E-30	1
Gbp2	-0.608	1	0.319	5.17E-30	1
H2-Eb1	-0.449	1	0.879	1.26E-27	1

Pgc	0.270	1	0.998	1.34E-22	1
Gbp2b	-0.910	1	0.344	1.32E-21	1
Ifi47	-0.548	0.998	0.352	3.59E-19	1
Sst	-0.280	0.696	0.093	7.56E-19	1
Irf1	-0.511	0.998	0.373	1.29E-17	1
Dmbt1	-0.754	0.982	0.395	1.19E-14	1
Furin	1.006	0.722	0.192	1.79E-14	1
Pigr	-0.559	1	0.888	4.22E-13	1
Cyba	-0.269	0.967	0.394	7.36E-13	1
Tff2	0.561	0.947	0.559	1.26E-10	1
H2-T23	-0.687	1	0.667	2.49E-06	1
Ghrl	-0.275	0.998	0.461	8.33E-06	1
Chka	-0.286	0.886	0.394	2.10E-05	1
AW112010	-1.272	1	0.625	0.000204252	1
Ubd	-1.202	1	0.426	0.001850726	1
Wars	-0.874	1	0.638	0.002373423	1
Igtp	-0.782	1	0.438	0.011289351	1
Gkn2	0.329	0.767	0.331	0.012918493	1
Nfkbia	-0.300	0.78	0.301	0.014876712	1
H2-DMa	-0.531	1	0.637	0.028111761	1
Ppp1r3a	-0.275	0.92	0.458	0.031400926	1
Psmb8	-0.424	1	0.681	0.128955455	1
Nfe2l2	-0.254	0.951	0.492	0.15415601	1
Irgm1	-0.621	1	0.449	0.167508057	1
Cym	-1.964	1	0.638	0.832658083	1
Malat1	0.524	1	0.989	0.864498273	1
Ly6e	-0.705	1	0.615	0.989197025	1
Sprr2a3	-0.957	1	0.509	1	1
Ifitm3	-0.757	1	0.607	1	1
Clu	-0.282	0.996	0.926	1	1
Ly6a	-1.509	1	0.588	1	1
Cyr61	0.316	0.655	0.214	1	1
Chia1	0.881	0.804	0.452	1	1
2210407C18Rik	-0.789	0.988	0.53	1	1
C2cd4b	0.325	0.52	0.155	1	1
Rbp2	0.327	0.612	0.17	1	1
Gm26917	-0.252	0.994	0.784	1	1
H2-DMb2	-0.506	1	0.596	1	1
Lgals9	-0.268	0.988	0.567	1	1
Clps	0.275	1	0.998	1	1
Sox4	-0.414	0.941	0.551	1	1
Mfge8	-0.285	0.906	0.531	1	1
Tmem176b	-0.303	0.827	0.454	1	1
Bpifb1	-0.436	1	0.66	1	1
Far1	-0.380	0.961	0.547	1	1
Iigp1	-1.088	1	0.516	1	1
Neat1	-0.318	0.996	0.752	1	1
Muc6	-0.324	0.994	0.82	1	1
Gkn3	-0.363	0.989	0.113	1.11E-37	2
Clic6	-0.254	0.999	0.13	2.54E-37	2

Atp4a	-0.280	0.997	0.148	1.46E-32	2
Irf1	-0.281	1	0.157	3.34E-32	2
Sst	-1.868	0.938	0.096	4.81E-32	2
F830016B08Rik	-0.389	1	0.157	3.36E-31	2
Zfp36l2	-0.281	1	0.165	4.87E-31	2
Pga5	-0.451	0.999	0.2	5.00E-30	2
Thbs1	-0.508	0.895	0.078	8.43E-29	2
Lbh	-0.574	0.931	0.122	1.33E-27	2
Krt19	-0.250	0.948	0.139	4.49E-27	2
2010007H06Rik	-0.263	0.741	0.017	3.04E-25	2
Spata7	-0.257	0.819	0.017	4.53E-24	2
Chka	-0.301	0.994	0.209	6.58E-24	2
S100a11	-0.282	0.999	0.226	9.47E-21	2
mt-Nd3	-0.410	1	0.27	1.49E-20	2
Sox4	-0.416	0.996	0.235	4.64E-20	2
Wars	-0.324	0.987	0.226	8.39E-20	2
Apoa1	-0.686	0.997	0.226	1.90E-19	2
Arl6ip1	-0.453	0.898	0.148	1.45E-18	2
Iigp1	-0.690	1	0.252	1.85E-18	2
S100a6	-0.471	1	0.27	6.74E-17	2
H2-T23	-0.496	1	0.252	1.06E-16	2
Sprr2a3	-0.575	1	0.313	6.76E-14	2
Fam13a	-0.403	0.884	0.174	9.25E-14	2
Gfpt1	-0.345	1	0.313	8.24E-13	2
2210407C18Rik	-0.487	0.997	0.304	6.55E-12	2
Ppp1r3a	-0.537	1	0.313	1.59E-10	2
Ifi27	-0.561	0.956	0.287	3.96E-10	2
Crip2	-0.269	0.803	0.139	6.17E-10	2
Soat1	-0.522	0.903	0.243	1.69E-09	2
Muc6	-0.973	1	0.33	4.54E-09	2
Tmsb10	-0.380	1	0.357	1.42E-08	2
1810041H14Rik	-0.253	0.851	0.209	7.64E-08	2
Tff2	-0.281	0.999	0.443	3.54E-07	2
Ghrl	-0.516	1	0.443	1.12E-06	2
Pigr	-0.639	1	0.374	2.34E-06	2
Agr2	-0.794	1	0.4	5.31E-06	2
Cd74	-0.554	1	0.896	8.53E-06	2
H2-K1	-0.672	1	0.791	1.15E-05	2
Pdia2	-0.600	0.993	0.417	1.52E-05	2
Hspa1b	-0.964	1	0.417	0.000211082	2
Neat1	-0.803	0.998	0.461	0.000222381	2
Hist2h2aa1	-0.387	0.969	0.374	0.000291055	2
Hes1	-0.320	0.75	0.157	0.001051815	2
Gkn1	-0.321	0.98	0.435	0.001071079	2
Krt8	-0.470	0.942	0.435	0.001132309	2
Cited2	-0.510	0.914	0.365	0.003404014	2
Fam46c	-0.322	0.883	0.365	0.007971499	2
Prdx1	-0.273	0.997	0.496	0.035885963	2
Cym	-2.787	1	0.461	0.079849554	2
Gm26917	-0.804	1	0.539	0.096264933	2

Ifitm3	-0.272	0.984	0.443	0.350598278	2
Cckar	-0.294	0.877	0.417	0.598658869	2
Pnliprp2	-0.526	1	0.774	1	2
Derl3	-0.332	0.703	0.2	1	2
Tcim	-0.293	0.763	0.322	1	2
Gstp1	-0.301	0.854	0.417	1	2
Cyr61	-0.453	0.689	0.174	1	2
H2-Ab1	-0.632	1	0.635	1	2
Pnliprp1	-0.407	0.799	0.313	1	2
Anpep	-0.485	0.851	0.391	1	2
Necab1	-0.282	0.691	0.2	1	2
H2-Eb1	-0.490	1	0.513	1	2
Lpl	-0.260	0.633	0.148	1	2
Atf3	-0.966	0.571	0.27	1	2
Ucp2	-0.438	0.939	0.513	1	2
Furin	-0.718	0.999	0.861	1	2
Gif	-0.277	1	0.983	1	2
Dnajb1	-0.351	0.668	0.243	1	2
AY036118	-0.309	0.999	0.843	1	2
Lars2	-0.669	0.999	0.635	1	2
Malat1	-1.366	1	0.8	1	2
Ttr	-0.295	0.815	0.461	1	2
Nupr1	-0.366	0.934	0.713	1	2
Tmed3	-0.423	0.966	0.574	1	2
Tff1	-0.296	1	0.748	1	2
Bpifb1	-0.859	1	0.67	1	2
Insig1	-0.250	0.539	0.096	1	2
Actb	-0.418	0.998	0.678	1	2
Clu	-0.545	1	0.67	1	2
H2-Aa	-0.463	1	0.6	1	2
AY036118	0.962	0.957	0.019	1.67E-175	3
Cxcl9	-0.261	0.776	0.051	2.30E-115	3
Cxcl10	-0.291	0.78	0.054	3.75E-114	3
Sprr1a	-0.508	1	0.118	5.64E-109	3
Reg1	-0.477	1	0.12	2.57E-107	3
Ido1	-0.377	1	0.126	4.39E-103	3
Sprr2a1	-0.288	0.984	0.123	1.20E-101	3
Cxcl1	-0.326	0.953	0.117	1.62E-100	3
Itln1	-0.384	0.925	0.113	1.02E-97	3
Fam13a	-0.364	0.996	0.134	4.49E-97	3
Serpina3g	-0.452	0.906	0.117	3.78E-91	3
Gsdmc2	-0.483	0.992	0.142	7.99E-91	3
Gbp7	-0.257	0.992	0.142	4.52E-89	3
Chil4	-0.587	0.866	0.062	1.85E-87	3
Icam1	-0.412	0.992	0.153	1.88E-83	3
Clca3a2	-0.327	0.913	0.131	4.93E-83	3
Gm4951	-0.295	0.972	0.152	1.10E-80	3
Sftpd	-0.251	0.748	0.085	3.04E-80	3
Wfdc18	-0.267	0.634	0.061	3.46E-77	3
Areg	-0.279	0.909	0.11	3.75E-73	3

Ovol1	-0.311	0.945	0.135	6.80E-73	3
Gbp2	-0.406	1	0.19	1.84E-64	3
C4b	-0.486	0.972	0.184	4.00E-63	3
Gbp4	-0.630	1	0.193	1.22E-62	3
Igf1	0.319	0.248	0.007	3.47E-59	3
H2-T23	-0.277	1	0.21	1.16E-54	3
Irf8	-0.343	1	0.211	4.97E-54	3
Ier3	-0.363	0.972	0.201	1.72E-50	3
Irgm1	-0.344	1	0.223	8.75E-50	3
Galnt6	-0.307	0.972	0.217	4.09E-47	3
Reg3g	-1.112	1	0.232	2.44E-45	3
Pgc	0.974	1	0.903	3.92E-45	3
Nupr1	-0.725	0.283	0.143	2.92E-43	3
Cym	-1.648	1	0.25	5.90E-43	3
Edn1	-0.493	0.866	0.152	2.68E-38	3
Gkn3	-1.388	0.984	0.25	4.48E-38	3
Cd74	-0.574	1	0.984	1.02E-36	3
Anxa2	-0.374	1	0.261	1.40E-36	3
Furin	0.738	0.299	0.058	1.73E-36	3
St3gal4	-0.457	1	0.257	1.96E-36	3
H2-DMb2	-0.585	1	0.264	1.00E-33	3
Idi1	-0.283	0.882	0.205	8.56E-28	3
Gm26532	-0.440	0.862	0.19	4.85E-26	3
Ifi47	-0.482	1	0.293	2.20E-25	3
Hmgcs1	-0.313	0.996	0.307	3.12E-25	3
AW112010	-1.649	1	0.767	8.51E-24	3
Anxa1	-0.406	0.917	0.249	1.09E-22	3
Sprr2a3	-1.190	1	0.802	6.70E-22	3
Gbp2b	-0.855	1	0.305	9.76E-22	3
Me1	-0.482	0.992	0.307	1.51E-21	3
Ghrl	0.524	0.724	0.082	4.05E-21	3
Gm3776	0.430	0.744	0.114	6.13E-21	3
Hmgn2	-0.355	0.437	0.335	2.09E-18	3
C3	-0.446	0.441	0.113	4.23E-18	3
Sfn	-0.579	0.913	0.264	8.65E-18	3
Ppp1r3a	0.306	0.776	0.176	3.01E-17	3
Irf1	-0.554	1	0.33	2.55E-16	3
Pigr	-0.718	1	0.886	5.74E-16	3
Krt8	-0.542	1	0.895	3.26E-15	3
Gpx2	-0.910	1	0.769	4.10E-15	3
Ifi27	-0.270	1	0.357	2.82E-14	3
Fdps	-0.294	0.933	0.318	4.06E-14	3
Tuba1c	-0.266	0.894	0.281	5.98E-14	3
H2-K1	-0.367	1	0.959	1.52E-13	3
Pla2g1b	0.891	0.992	0.632	1.85E-13	3
Tmsb10	-0.450	1	0.931	1.89E-13	3
H2-Eb1	-0.555	1	0.853	1.90E-13	3
Oit1	0.455	0.969	0.67	2.02E-13	3
Igtp	-0.627	1	0.345	3.04E-13	3
H2-Aa	-0.570	1	0.84	4.38E-13	3

H2-Ab1	-0.607	1	0.914	4.04E-12	3
Iigp1	-0.682	1	0.358	1.58E-11	3
Ifrd1	-0.497	0.976	0.366	1.95E-10	3
Ndrg1	-0.300	0.437	0.163	2.26E-10	3
Nr4a1	-0.521	0.957	0.345	9.42E-10	3
Bst2	-0.302	1	0.376	1.71E-09	3
Arl14	-0.263	0.937	0.361	1.91E-09	3
Smim6	0.251	0.992	0.557	3.63E-09	3
Bpifb1	-0.998	1	0.779	4.89E-09	3
Ttr	0.547	0.654	0.081	4.96E-09	3
Tstd1	0.262	0.807	0.317	6.44E-09	3
Pgd	-0.291	0.906	0.33	2.55E-08	3
S100a11	-0.414	1	0.879	2.78E-08	3
AA467197	-0.684	0.925	0.328	3.33E-08	3
Gm42418	0.956	1	0.543	3.97E-08	3
Psmb8	-0.642	1	0.713	7.14E-08	3
Ppp1r15a	-0.384	0.846	0.275	8.42E-08	3
Phlda1	-0.480	0.965	0.376	2.86E-07	3
Anxa3	-0.324	0.74	0.185	3.62E-06	3
Cyba	-0.309	1	0.426	6.17E-06	3
Plk2	-0.419	0.819	0.266	9.42E-06	3
Gsta4	0.257	0.992	0.723	4.06E-05	3
Prr13	-0.423	0.906	0.749	4.22E-05	3
Zfp36	-0.749	0.996	0.704	5.79E-05	3
Tubb5	-0.259	0.992	0.449	6.39E-05	3
Ly6a	-1.284	1	0.398	8.37E-05	3
S100a13	-0.299	0.831	0.295	0.000105684	3
Psca	0.328	0.843	0.441	0.000117999	3
Tuba1b	-0.290	0.531	0.286	0.000276617	3
Chia1	1.074	0.594	0.029	0.0005328	3
Spp1	1.414	0.583	0.021	0.006682922	3
H2afz	-0.398	0.874	0.746	0.008172169	3
Tff1	0.359	0.996	0.863	0.017760809	3
Ucp2	0.340	1	0.695	0.020245245	3
mt-Nd3	-0.416	0.882	0.734	0.08545391	3
Ly6e	-0.728	1	0.421	0.097482797	3
Cyr61	-0.266	0.929	0.433	0.11686184	3
Ubd	-1.600	1	0.424	0.216043445	3
Gcnt3	0.279	0.752	0.338	0.32653616	3
H2-DMa	-0.619	1	0.609	0.611494407	3
Spink4	-0.552	0.957	0.472	0.660350165	3
Krt19	-0.264	1	0.761	0.729997324	3
Cebpb	-0.335	1	0.496	1	3
Clic1	-0.480	0.878	0.623	1	3
Nfe2l2	-0.324	0.756	0.531	1	3
Fabp5	-0.383	0.756	0.561	1	3
Id1	-0.300	1	0.502	1	3
Scgb2b7	-0.709	0.634	0.13	1	3
Neat1	-0.316	0.882	0.739	1	3
2210407C18Rik	-0.890	0.996	0.657	1	3

Atf3	-0.673	0.945	0.591	1	3
Ctse	-0.587	0.98	0.621	1	3
Dusp1	-0.578	0.787	0.496	1	3
Id3	-0.485	1	0.673	1	3
Hes1	-0.405	0.819	0.583	1	3
Lgals2	0.346	0.858	0.624	1	3
Foxq1	-0.264	0.866	0.681	1	3
Dpcr1	0.526	0.571	0.077	1	3
H2-DMb1	-0.706	1	0.553	1	3
Sectm1b	-0.265	0.5	0.082	1	3
Dmbt1	-1.339	1	0.56	1	3
Chka	-0.392	0.85	0.417	1	3
Mfge8	-0.288	0.988	0.555	1	3
Gadd45g	-0.680	0.807	0.359	1	3
Csrp1	-0.308	0.811	0.398	1	3
Id2	-0.495	1	0.618	1	3
Muc6	-0.304	1	0.771	1	3
S100a6	-0.981	1	0.568	1	3
Wars	-0.576	1	0.543	1	3
Ifitm3	-0.682	1	0.51	1	3
Nfkbia	-0.550	0.827	0.41	1	3
Rbp2	0.302	0.634	0.302	1	3
Tmem176b	-0.283	0.717	0.328	1	3
Mlph	-0.353	0.634	0.232	1	3
Tcim	-0.393	0.984	0.546	1	3
Il18	0.342	0.543	0.127	1	3
Pdia2	-0.296	0.756	0.407	1	3
Cckar	0.346	0.516	0.043	1	3
S100a1	-0.394	0.917	0.547	1	3
Cd59a	0.398	0.528	0.071	1	3
Reg3g	-0.354	1	0.121	1.16E-21	4
C3	-0.275	0.833	0.109	2.16E-16	4
Iigp1	-0.333	1	0.155	1.17E-14	4
Chit1	0.254	0.833	0.082	2.45E-14	4
Ly6d	-0.343	0.958	0.149	4.48E-14	4
Capn9	0.304	1	0.202	9.21E-12	4
Npy	0.408	0.875	0.126	2.97E-11	4
Gkn3	-0.386	0.958	0.159	4.13E-11	4
Nupr1	-0.408	0.917	0.142	9.12E-11	4
Isg15	-0.373	1	0.189	6.58E-10	4
Wfdc18	-0.307	0.625	0.084	8.80E-10	4
Ifit1bl1	-0.336	0.792	0.143	5.29E-09	4
Ido1	-0.537	1	0.197	5.89E-09	4
Sprr2a3	1.856	1	0.993	5.24E-08	4
Cxcl1	-0.491	0.958	0.199	1.02E-07	4
Clca1	-0.466	1	0.226	9.36E-07	4
Muc6	-0.654	0.958	0.22	8.34E-06	4
Sprr2b	0.311	1	0.295	1.43E-05	4
Muc4	-0.329	0.958	0.225	1.67E-05	4
Itln1	-0.441	0.958	0.225	2.82E-05	4

Gbp2	-0.288	1	0.24	3.54E-05	4
Pigr	-1.116	1	0.932	4.58E-05	4
Sftpd	-0.395	0.958	0.235	0.000108095	4
Pclaf	0.282	0.792	0.128	0.000155275	4
Clca3a2	-0.400	1	0.252	0.000208664	4
Cd74	-1.060	1	0.948	0.00022972	4
Rtp4	-0.264	1	0.257	0.00051076	4
Vamp5	-0.352	1	0.266	0.001998226	4
9130204L05Rik	0.302	0.833	0.192	0.002135934	4
Ifitm3	-0.531	1	0.276	0.006462144	4
Vsig1	0.522	1	0.927	0.006943105	4
Plet1	-0.477	1	0.281	0.011444455	4
Ifi47	-0.275	1	0.288	0.029770125	4
Ovol1	-0.268	0.958	0.272	0.040095822	4
Wfdc2	-1.093	0.625	0.657	0.053509698	4
Tnfaip3	-0.309	0.833	0.189	0.054152971	4
Tmed3	-0.306	0.417	0.384	0.061410497	4
Bcas1	0.274	0.875	0.291	0.070547145	4
Duox2	-0.425	1	0.31	0.11588513	4
Irf1	-0.364	1	0.304	0.117949479	4
Hmgb2	0.452	1	0.439	0.123332308	4
Gsta1	0.475	0.875	0.337	0.217193697	4
Lgals2	0.546	1	0.868	0.256188272	4
Capg	-0.258	0.417	0.274	0.300891844	4
Cela1	0.325	0.792	0.234	0.496521949	4
Gkn2	0.607	1	0.833	0.505791477	4
Prdx1	0.406	1	0.989	0.509617477	4
Gbp2b	-0.724	1	0.318	0.625988191	4
Dmbt1	-1.084	1	0.781	0.841071607	4
Gkn1	0.466	1	0.91	1	4
H2-Ab1	-0.869	1	0.811	1	4
AW112010	-1.015	1	0.884	1	4
Il33	0.343	0.792	0.248	1	4
Tubb4b	0.330	0.958	0.569	1	4
Chil4	-2.470	0.958	0.306	1	4
H2-Eb1	-0.912	1	0.749	1	4
Tff1	0.472	1	0.96	1	4
Crip1	0.303	1	0.987	1	4
Cst3	0.289	1	0.764	1	4
H2-Aa	-0.843	1	0.747	1	4
Gsdmc4	-0.381	1	0.344	1	4
H2-K1	-0.472	1	0.947	1	4
Basp1	0.257	0.875	0.429	1	4
Me1	0.391	1	0.837	1	4
Gpx2	0.453	1	0.95	1	4
Sult1b1	0.278	0.958	0.577	1	4
Igtp	-0.494	1	0.351	1	4
Anxa10	0.313	1	0.958	1	4
Clu	-0.461	1	0.973	1	4
Dpcr1	0.300	0.917	0.6	1	4

Agpat2	0.332	1	0.626	1	4
Duoxa2	-0.387	0.75	0.2	1	4
Cd59a	0.435	0.625	0.092	1	4
Gsdma2	0.332	1	0.766	1	4
Slc45a3	-0.265	0.5	0.314	1	4
Psmb8	-0.641	1	0.728	1	4
Lgals4	0.434	1	0.564	1	4
Cyba	-0.556	1	0.748	1	4
Gstm1	0.298	0.958	0.656	1	4
Ly6a	-1.134	1	0.372	1	4
Rnf186	0.263	0.75	0.251	1	4
Ugdh	0.265	0.958	0.682	1	4
Muc5ac	0.259	0.75	0.27	1	4
mt-Nd3	-0.417	1	0.869	1	4
Ethe1	0.258	1	0.785	1	4
Oasl1	-0.271	1	0.442	1	4
Ffar4	0.370	0.458	0.103	1	4
Ly6e	-0.566	1	0.396	1	4
Dusp1	0.320	1	0.737	1	4
Bpifb1	-0.804	1	0.676	1	4
Fabp5	-0.544	1	0.824	1	4
Cotl1	-0.313	1	0.846	1	4
AA467197	0.354	1	0.91	1	4
Maff	-0.303	0.917	0.369	1	4
Ubd	-1.147	1	0.41	1	4
Ppp1r15a	-0.272	0.625	0.387	1	4
Bst2	-0.355	1	0.43	1	4
S100a6	0.466	1	0.976	1	4
S100a1	-0.312	1	0.854	1	4
Mt1	-0.399	1	0.958	1	4
Malat1	-0.275	1	0.993	1	4
H2-DMb1	-0.409	1	0.435	1	4
Lmo4	0.338	0.917	0.656	1	4
Gm26532	-0.422	0.875	0.38	1	4
Tesc	-0.264	0.833	0.661	1	4
Golm1	-0.330	0.75	0.483	1	4
Mfge8	-0.271	0.75	0.544	1	4
Ifrd1	-0.453	1	0.699	1	4
Phlda1	-0.300	1	0.766	1	4
Rbp2	-0.443	0.875	0.643	1	4
Pglyrp1	-0.459	1	0.49	1	4
Tff2	-0.601	0.958	0.846	1	4
Hmgcs1	-0.353	0.917	0.663	1	4
H2afz	0.335	1	0.913	1	4
Actb	0.367	1	0.993	1	4
Aldh3a1	0.349	0.583	0.195	1	4
Ier3	-0.497	1	0.563	1	4
Tnip3	-0.301	0.542	0.177	1	4
Sprr1a	-0.958	1	0.527	1	4
Gsdmc2	-0.356	1	0.637	1	4

Hbegf	-0.480	1	0.499	1	4
H2-DMa	-0.463	1	0.508	1	4
Wars	-0.428	1	0.616	1	4
Hes1	-0.386	0.917	0.574	1	4
Pga5	-0.609	0.75	0.356	1	4
Lgals3	-0.395	1	0.585	1	4
Cyr61	-0.652	0.958	0.49	1	4
Prima1	0.371	0.542	0.133	1	4
Nfkbia	-0.253	1	0.651	1	4
Cyp2s1	-0.428	0.792	0.386	1	4
Krt20	-0.293	0.996	0.167	3.60E-50	5
Cd74	-0.832	1	0.97	3.14E-47	5
Bpifb1	-0.315	1	0.212	5.67E-37	5
Clca1	-0.734	0.998	0.219	8.40E-36	5
AW112010	-0.860	1	0.941	4.18E-25	5
Isg15	-0.334	1	0.264	1.50E-24	5
Duox2	-0.274	0.971	0.271	1.83E-20	5
Gbp2	-0.253	1	0.286	1.55E-19	5
H2-Ab1	-0.569	1	0.9	1.39E-15	5
H2-K1	-0.465	1	0.944	1.74E-15	5
Psmb8	-0.566	1	0.833	2.30E-15	5
Ubd	-0.442	1	0.316	1.35E-14	5
Ly6d	-0.778	0.924	0.275	1.36E-13	5
H2-Aa	-0.560	1	0.836	1.70E-13	5
Cyr61	-0.258	0.981	0.338	1.77E-12	5
Pigr	-0.614	1	0.862	4.09E-12	5
H2-Eb1	-0.606	1	0.781	6.96E-12	5
Crip1	0.256	0.998	0.989	5.33E-10	5
Fabp5	-0.383	0.998	0.933	4.59E-09	5
Pgc	0.266	0.973	0.699	1.42E-08	5
Plac8	-0.275	1	0.989	2.43E-08	5
Ifi47	-0.317	1	0.353	3.40E-08	5
Gm11808	-0.270	1	0.9	3.24E-07	5
Hsd17b6	-0.368	1	0.368	4.89E-07	5
Wfdc2	-0.447	0.579	0.506	5.51E-07	5
Gbp2b	-0.432	1	0.364	6.24E-07	5
mt-Nd3	-0.300	0.984	0.881	0.003714597	5
Wars	-0.427	1	0.691	0.01697681	5
Dmbt1	-0.779	1	0.669	0.038525146	5
Aqp3	-0.261	1	0.446	0.045039121	5
Ly6a	-0.600	1	0.416	0.07641602	5
Gm11361	-0.259	1	0.777	0.680098057	5
Sprr1a	-0.396	1	0.502	0.958314039	5
Cyp2c65	-0.263	0.971	0.755	1	5
Mal	-0.263	1	0.796	1	5
Cyba	-0.279	1	0.729	1	5
Clu	-0.299	0.998	0.959	1	5
Gsdmc2	-0.407	1	0.654	1	5
Rep15	-0.257	0.922	0.658	1	5
Ly6e	-0.353	1	0.468	1	5

Ifi27l2b	-0.251	1	0.569	1	5
H2-DMa	-0.349	1	0.602	1	5
Igtp	-0.410	1	0.506	1	5
Hspa1a	-0.265	0.959	0.558	1	5
Fabp3	-0.270	0.59	0.175	1	5
Cdkn1a	-0.271	0.994	0.628	1	5
H2-DMb1	-0.356	1	0.506	1	5
Rnase4	0.340	0.978	0.008	1.30E-117	6
Mcpt1	-0.258	1	0.02	2.85E-117	6
Srgn	-0.262	0.994	0.022	1.40E-114	6
Krt7	-0.256	0.997	0.025	9.12E-113	6
Ikzf2	-0.260	0.997	0.034	3.53E-109	6
Aqp3	0.526	1	0.036	4.82E-109	6
Cd44	-0.286	0.988	0.031	5.82E-109	6
Cd52	-0.327	0.994	0.039	1.04E-105	6
Ifi47	-0.261	1	0.042	2.24E-105	6
H2-DMb2	-0.364	1	0.042	2.24E-105	6
Rtp4	-0.359	1	0.047	1.59E-102	6
Gm11361	0.563	0.988	0.045	2.42E-100	6
Chga	-0.533	0.972	0.042	1.15E-99	6
Hs3st1	-0.322	0.994	0.05	1.32E-98	6
Hist1h1c	0.765	0.994	0.056	5.28E-98	6
Epsti1	-0.335	0.985	0.045	2.95E-97	6
Clca3a2	-0.317	0.938	0.039	5.08E-96	6
Fer1l6	-0.367	1	0.061	1.16E-95	6
Igha	-0.445	1	0.061	1.29E-95	6
Clca1	-0.769	0.997	0.061	4.29E-95	6
Sst	0.467	1	0.064	4.38E-95	6
Tmem176b	-0.278	0.948	0.034	1.13E-94	6
Akr1b8	0.287	0.988	0.056	4.25E-94	6
Gbp2	-0.528	0.991	0.061	4.67E-94	6
Ido1	-0.601	1	0.067	5.18E-93	6
Gsdmc4	-0.525	1	0.067	5.23E-93	6
Ano7	-0.272	0.96	0.053	2.91E-92	6
Irgm1	-0.452	1	0.07	1.31E-91	6
Tmem189	0.342	1	0.081	1.97E-88	6
Pdlim1	0.357	0.991	0.073	2.72E-88	6
Gkn3	-0.533	1	0.081	1.63E-86	6
Hmgb2	-0.367	1	0.084	1.70E-85	6
Igkc	-0.472	1	0.087	6.53E-84	6
Degs2	0.252	0.994	0.087	7.39E-84	6
Chka	-0.465	0.994	0.087	1.62E-82	6
Serpinh1	0.271	0.92	0.022	9.53E-81	6
Ifitm3	-0.643	1	0.095	2.05E-80	6
Sox9	-0.553	0.988	0.087	1.72E-79	6
Ebf1	-0.271	0.778	0.02	3.45E-79	6
Gsdmc3	-0.763	0.997	0.098	1.48E-78	6
Lbh	0.314	0.997	0.101	1.81E-78	6
Igtp	-0.650	1	0.101	8.25E-78	6
Gipc2	0.393	0.994	0.103	8.74E-78	6

H2-T23	-0.618	1	0.112	2.73E-73	6
Gbp2b	-0.686	1	0.112	4.09E-73	6
Ier3	-0.366	0.978	0.095	7.66E-73	6
Tnfaip3	-0.291	0.763	0.031	5.49E-72	6
Usp50	0.580	0.123	0.006	7.91E-72	6
Zfp36l2	-0.344	0.997	0.115	1.59E-71	6
Bst2	-0.603	1	0.117	4.17E-71	6
Tinagl1	-0.255	0.129	0.061	1.42E-70	6
Laptm5	-0.313	0.735	0.022	7.24E-70	6
Idi1	-0.426	1	0.128	1.83E-67	6
Fgfbp1	-0.263	0.138	0.142	1.04E-66	6
Hist1h2ap	-0.382	0.877	0.034	1.38E-66	6
Cxcr4	-0.279	0.702	0.022	1.47E-66	6
Hist1h1e	-0.308	0.895	0.036	8.90E-66	6
Ly6e	-0.424	1	0.131	1.87E-65	6
Ubd	-0.406	1	0.134	3.10E-64	6
Cxcl17	0.445	0.951	0.103	9.51E-64	6
Gclc	-0.445	0.96	0.103	1.52E-63	6
Tcim	-0.466	0.154	0.128	5.98E-63	6
S100a14	0.328	0.892	0.05	3.29E-61	6
Abcc3	-0.352	0.997	0.145	6.88E-61	6
Pam	0.770	0.154	0.02	1.47E-60	6
Phgr1	0.617	0.926	0.092	7.08E-60	6
Oxct1	-0.463	0.963	0.117	1.22E-59	6
Atp4a	-0.388	0.988	0.14	1.33E-59	6
H2-DMa	-0.747	1	0.148	3.58E-59	6
Creld2	-0.314	0.908	0.07	5.09E-59	6
Tm4sf5	0.312	0.16	0.025	5.41E-59	6
Gfpt1	-0.684	1	0.151	1.98E-58	6
Sprr1a	-0.856	1	0.156	9.61E-57	6
Hist1h2bc	0.510	0.169	0.047	1.38E-55	6
Ethe1	0.519	0.988	0.168	3.44E-55	6
Hspa1a	-0.804	0.994	0.176	8.12E-49	6
Wars	-1.025	1	0.182	1.01E-47	6
Psmb8	-0.797	1	0.184	6.17E-47	6
Muc6	-0.939	1	0.19	2.95E-45	6
Rnf186	0.344	0.834	0.042	1.12E-44	6
Ugdh	0.556	0.951	0.19	1.55E-42	6
Sgk1	0.430	0.212	0.034	2.19E-42	6
Cst3	-0.514	0.243	0.237	1.75E-41	6
Shh	-0.262	0.84	0.059	2.09E-41	6
Dmbt1	-1.075	1	0.207	5.98E-40	6
Id1	-0.314	1	0.218	6.09E-40	6
Arl6ip1	-0.301	0.246	0.115	6.98E-37	6
Clic6	-0.488	0.846	0.084	1.17E-36	6
Smim6	0.564	0.969	0.26	7.73E-36	6
Zfp36	-0.408	0.988	0.223	1.03E-35	6
Cebpb	-0.391	0.874	0.12	4.91E-35	6
Gkn1	0.538	1	0.975	5.47E-35	6
Nr4a1	-0.556	0.815	0.061	1.64E-34	6

Tff1	0.400	1	1	5.95E-33	6
Esrrg	-0.258	0.446	0.022	7.02E-33	6
Tkt	-0.455	0.286	0.24	1.43E-32	6
Sfn	-0.514	0.911	0.168	4.62E-32	6
Ifrd1	-0.444	0.892	0.154	1.71E-31	6
Gkn2	0.520	1	0.936	2.31E-30	6
Prr13	0.603	1	0.318	2.98E-30	6
Cd59a	0.760	0.258	0.05	9.07E-30	6
Mgst2	0.415	0.898	0.196	9.45E-30	6
Clic1	0.696	1	0.338	1.58E-28	6
Sult1d1	0.257	0.277	0.142	3.61E-28	6
Ifi27	-0.509	0.815	0.089	5.70E-28	6
Atp4b	-0.483	0.877	0.156	9.60E-28	6
Gcnt3	0.275	0.862	0.162	1.12E-26	6
Hspa1b	-1.449	1	0.26	7.36E-26	6
Hmgcs1	-0.369	0.997	0.271	8.97E-26	6
Ctse	0.775	1	0.388	1.67E-25	6
Gsdmc2	-0.934	1	0.265	3.87E-25	6
Bpifb1	-1.407	1	0.268	8.26E-24	6
Far1	-0.276	0.988	0.285	1.13E-23	6
Cpn1	-0.291	0.637	0.022	5.65E-23	6
Cd74	-1.220	1	0.751	4.00E-22	6
Cd79a	-0.291	0.332	0.025	1.68E-21	6
1810010D01Rik	-0.598	0.794	0.109	4.22E-20	6
Pigr	-0.869	1	0.291	7.63E-20	6
Lypd8	0.748	0.997	0.497	1.40E-19	6
Lgr4	0.569	0.314	0.095	2.75E-19	6
Gstm1	-0.278	0.372	0.288	4.99E-19	6
Gm26917	-0.798	1	0.302	5.72E-19	6
Rpl17	0.538	0.975	0.45	7.50E-18	6
Gm3776	0.391	0.858	0.237	1.08E-17	6
Crip1	0.663	0.988	0.704	3.72E-17	6
Gstp1	-0.421	0.425	0.385	5.34E-17	6
Gif	-0.365	0.994	0.327	9.82E-17	6
Chia1	-0.429	0.434	0.388	2.91E-16	6
Ly6a	-1.306	1	0.307	4.29E-16	6
Ucp2	0.792	1	0.483	6.62E-16	6
H2-Eb1	-1.056	1	0.31	1.16E-15	6
Atp5k	0.585	1	0.453	5.43E-15	6
Krt19	0.529	0.997	0.757	7.02E-14	6
Gm42418	0.577	1	0.88	9.14E-14	6
Dusp1	-0.644	0.806	0.165	1.49E-13	6
Clps	-0.424	0.988	0.894	3.06E-13	6
Muc5ac	-1.107	0.594	0.514	3.96E-13	6
Vsig1	-0.490	0.495	0.447	5.94E-13	6
AY036118	-0.731	1	0.718	2.53E-11	6
Gsta4	0.486	0.898	0.668	2.66E-10	6
S100a11	0.611	1	0.525	2.98E-10	6
Oit1	-0.270	0.44	0.293	3.43E-10	6
Wfdc2	-0.335	0.397	0.145	8.48E-10	6

Rps2	0.551	0.868	0.385	1.22E-09	6
Npy	0.258	0.655	0.02	7.11E-09	6
Lars2	-1.173	1	0.366	2.47E-07	6
Krt8	0.467	1	0.835	2.26E-06	6
H2-Ab1	-0.483	1	0.385	9.42E-06	6
Gm10260	0.664	0.406	0.117	1.23E-05	6
Rps29	0.411	1	0.913	2.12E-05	6
Lgals2	0.255	0.972	0.754	2.70E-05	6
Mpeg1	-0.253	0.145	0.025	7.61E-05	6
Cym	-1.541	1	0.385	9.10E-05	6
Il33	0.461	0.655	0.073	0.000110799	6
S100a6	0.840	1	0.788	0.000128267	6
H2-Aa	-1.444	1	0.385	0.000161873	6
9130204L05Rik	0.768	0.622	0.022	0.000241247	6
Nme2	-0.861	0.88	0.316	0.000245966	6
Neat1	-0.998	1	0.416	0.001727147	6
Clu	0.365	1	0.606	0.002423193	6
Mef2c	-0.253	0.105	0.02	0.010492168	6
Rpl9-ps6	-0.529	1	0.433	0.017522025	6
Gjb1	0.299	0.437	0.075	0.027592898	6
2210407C18Rik	0.251	1	0.925	0.039197353	6
Mt1	-0.442	0.751	0.575	0.078640306	6
Basp1	-0.328	0.625	0.089	1	6
AW112010	-0.660	1	0.441	1	6
Sdcbp2	0.280	0.483	0.131	1	6
Ckmt1	0.347	0.52	0.237	1	6
Abhd2	0.506	0.48	0.092	1	6
Tff2	-0.441	0.865	0.807	1	6
Aldh3a1	0.606	0.489	0.109	1	6
Pllp	0.387	0.625	0.154	1	6
H2-K1	-0.952	1	0.57	1	6
Tst	0.271	0.52	0.156	1	6
Nqo1	0.674	0.523	0.212	1	6
Sprr2a3	0.964	1	0.83	1	6
Nfkbia	-0.353	0.52	0.092	1	6
Ly6c1	-0.259	0.498	0.034	1	6
Spdef	-0.265	0.526	0.031	1	6
Rbp2	0.613	0.554	0.162	1	6
Chad	0.583	1	0.008	1.22E-126	7
Cdkn2a	0.945	1	0.009	3.74E-123	7
Il1rn	0.840	1	0.009	4.74E-123	7
2210404E10Rik	0.664	1	0.011	1.06E-119	7
Tmed6	0.790	1	0.012	1.18E-116	7
Racgap1	0.566	1	0.014	1.59E-113	7
Csf2ra	0.668	1	0.014	1.98E-113	7
Klre1	1.000	0.921	0.009	1.93E-111	7
Slc15a3	0.613	1	0.019	4.69E-105	7
Tuba1a	0.691	1	0.02	1.73E-102	7
Prf1	0.486	0.921	0.014	4.14E-102	7
Bcr	0.476	1	0.025	2.50E-95	7

Lyz2	-0.310	1	0.025	3.80E-95	7
Tnf	0.756	1	0.026	1.34E-93	7
Emp1	0.758	1	0.026	1.56E-93	7
Asf1b	0.379	0.684	0.003	4.63E-90	7
Sox9	0.372	1	0.029	9.41E-89	7
Cox7a1	0.267	1	0.029	1.09E-88	7
Rrad	0.950	0.974	0.023	1.78E-87	7
Spp1	-0.327	0.974	0.023	4.32E-87	7
Gbp2b	-0.306	1	0.033	9.41E-85	7
Cd72	0.535	1	0.036	1.26E-81	7
Csf1	1.000	1	0.036	1.54E-81	7
Serpinb1a	0.435	1	0.036	1.95E-81	7
Ccl3	0.892	0.921	0.028	4.34E-81	7
Eomes	-0.390	0.974	0.034	1.41E-79	7
Top2a	-0.345	1	0.037	2.44E-79	7
Fdps	0.328	1	0.039	4.44E-78	7
Slfn5	-0.309	0.974	0.031	2.28E-77	7
Il12rb2	0.700	0.105	0.003	1.55E-75	7
Mcm6	0.517	1	0.042	1.29E-74	7
Msmo1	0.502	1	0.043	4.95E-73	7
Glipr1	0.581	1	0.045	3.55E-72	7
Il13	0.842	0.105	0.017	7.08E-72	7
Idi1	-0.305	1	0.045	1.92E-71	7
Mgst2	-0.290	1	0.047	6.50E-70	7
Gzma	-0.433	0.711	0.016	9.45E-70	7
Bmp2	0.484	0.132	0.012	2.97E-66	7
Ckb	1.469	1	0.057	1.52E-64	7
Cks2	0.278	1	0.053	1.62E-64	7
Igkv15-103	-0.262	0.684	0.017	6.15E-64	7
Irf8	0.732	1	0.056	6.10E-63	7
Gbp7	0.418	1	0.056	1.11E-62	7
Calca	0.513	0.132	0.017	1.16E-62	7
Axl	0.460	1	0.056	4.25E-62	7
Kctd12	-0.277	0.105	0.031	7.12E-62	7
Gclc	0.482	1	0.057	2.28E-61	7
Golm1	-0.289	0.105	0.033	5.36E-61	7
Iigp1	-0.401	0.974	0.048	5.78E-61	7
Hells	-0.272	0.921	0.042	2.42E-60	7
Ubd	-0.501	1	0.059	1.08E-59	7
Lmnb1	0.572	1	0.06	2.45E-59	7
Plac8	-0.339	1	0.06	1.04E-58	7
Cd83	0.673	1	0.062	2.77E-58	7
Ccr2	0.693	1	0.064	7.38E-58	7
Ly6c2	0.696	0.605	0.017	5.20E-54	7
Bst2	0.507	1	0.07	1.20E-53	7
Ctss	-0.299	1	0.068	2.39E-53	7
Cst7	1.107	1	0.074	7.84E-53	7
Podnl1	1.365	1	0.076	2.22E-52	7
Klf4	0.979	1	0.071	4.09E-52	7
Clic6	-0.606	0.105	0.051	5.94E-52	7

Icam1	0.424	1	0.073	2.83E-51	7
F2r	0.850	0.895	0.034	3.92E-51	7
Ncf4	0.278	0.947	0.068	1.94E-49	7
Ptch1	-0.369	0.842	0.045	2.31E-49	7
Ccl4	1.473	0.921	0.053	2.82E-49	7
Lyar	0.318	0.921	0.047	3.97E-49	7
Sox4	-0.379	1	0.076	7.78E-49	7
Klrc1	0.585	0.658	0.028	1.97E-48	7
Lgals2	-1.038	0.026	0.121	2.67E-48	7
Tnni3	-0.448	0.158	0.029	1.69E-47	7
Phlda1	0.620	1	0.081	2.12E-47	7
Ube2s	0.479	1	0.084	5.87E-46	7
Trdc	0.257	0.789	0.05	2.32E-45	7
Gpm6b	-0.355	0.868	0.043	5.89E-45	7
Anxa2	1.150	0.947	0.07	6.39E-44	7
Pigr	-0.763	1	0.087	4.04E-43	7
Nrgn	-0.411	0.105	0.054	5.36E-43	7
Ifi47	-0.250	0.947	0.067	1.15E-42	7
Itm2a	-0.485	0.947	0.079	1.82E-42	7
Cyth4	0.565	1	0.091	2.11E-42	7
Rgs16	0.969	1	0.095	3.12E-41	7
Lrpprc	-0.411	0.158	0.047	7.75E-41	7
Igha	-1.000	1	0.093	2.82E-40	7
Gimap7	0.823	1	0.101	6.86E-40	7
Tigit	0.927	1	0.101	4.14E-39	7
Krt19	-0.473	1	0.098	1.90E-38	7
Rflnb	-0.439	0.158	0.056	3.92E-38	7
Spink4	-0.426	0.158	0.057	1.04E-37	7
Il1rl1	-0.532	0.158	0.057	1.18E-37	7
Atp4a	-1.083	0.079	0.13	2.66E-37	7
Klrd1	-0.268	0.132	0.059	8.05E-36	7
Il2ra	1.546	1	0.121	3.35E-35	7
Csf2	0.748	0.237	0.009	8.52E-35	7
Tmem176a	1.656	0.816	0.029	8.76E-35	7
Mxd1	0.897	0.974	0.101	2.07E-34	7
Oxct1	-0.685	0.132	0.096	2.22E-34	7
AA467197	0.348	0.211	0.028	2.52E-34	7
H2-Eb1	-0.707	1	0.109	4.15E-34	7
Fabp5	-0.539	0.132	0.098	5.50E-34	7
Gfpt1	-0.636	1	0.11	1.39E-33	7
Ptpn7	0.697	1	0.119	7.35E-33	7
Esd	0.617	1	0.124	1.09E-31	7
Pde4b	1.558	1	0.14	1.23E-31	7
S100a1	-0.514	0.868	0.056	1.90E-31	7
Serpina3i	0.690	0.316	0.006	5.22E-31	7
Gkn3	-0.336	1	0.118	6.10E-31	7
Capg	1.858	1	0.155	4.30E-30	7
Bpifb1	-0.339	1	0.121	5.66E-30	7
Far1	-0.498	1	0.122	1.57E-29	7
Heg1	-0.258	0.184	0.042	3.15E-29	7

Xcl1	-0.506	0.158	0.065	3.52E-29	7
Bcl2a1b	0.833	1	0.136	8.11E-29	7
Irf1	-0.331	0.158	0.107	3.66E-28	7
Ccl5	2.822	1	0.146	7.98E-28	7
S1pr1	-0.763	0.974	0.116	1.47E-27	7
Atp2a3	-0.420	0.184	0.084	1.64E-27	7
Marcksl1	-0.337	0.816	0.043	1.65E-26	7
Igkc	-0.591	1	0.133	2.30E-26	7
Kcnj16	-0.259	0.263	0.016	3.64E-26	7
Ncr1	0.433	0.211	0.033	7.06E-26	7
Lef1	-0.790	0.158	0.135	1.59E-25	7
Tubb5	1.197	1	0.166	1.81E-25	7
Runx3	0.546	1	0.149	6.46E-25	7
H2-Ab1	-0.702	1	0.14	9.10E-25	7
Vim	1.539	0.974	0.181	1.08E-23	7
Ccr7	-0.836	0.947	0.126	1.71E-23	7
Selplg	1.474	1	0.22	1.21E-22	7
Nr4a3	0.846	0.974	0.149	2.32E-22	7
Klf2	-0.279	0.974	0.141	4.52E-22	7
Clic1	1.467	1	0.236	5.44E-22	7
Sell	-0.600	0.947	0.126	6.21E-22	7
Cxcr6	1.173	0.868	0.093	6.97E-22	7
S100a4	1.245	0.921	0.14	1.86E-21	7
Tcrg-V6	1.297	0.158	0	8.46E-21	7
Samsn1	0.583	1	0.175	1.26E-20	7
Ly6e	0.700	0.947	0.143	1.65E-20	7
Hamp2	-0.723	0.237	0.076	1.79E-20	7
Limd2	1.472	1	0.27	1.87E-20	7
Gimap6	1.301	1	0.211	2.02E-20	7
Sla	0.870	1	0.189	3.68E-20	7
Arhgdib	2.069	1	0.299	4.01E-20	7
S100a11	1.355	1	0.226	7.22E-20	7
Cd247	0.971	1	0.184	8.05E-20	7
Nkg7	1.063	0.921	0.163	1.07E-19	7
Fcer1g	0.532	0.263	0.034	1.23E-19	7
Hspa1b	0.353	1	0.184	1.28E-18	7
Tgfb1	0.671	0.974	0.174	1.60E-18	7
S100a6	2.068	1	0.309	2.85E-18	7
Gpx2	-0.424	0.263	0.06	3.04E-18	7
Ctse	-0.299	0.237	0.099	4.53E-18	7
Lgals9	0.350	0.895	0.122	8.31E-18	7
Furin	-0.549	0.237	0.105	9.21E-18	7
Gem	0.881	0.263	0.057	9.24E-18	7
Tyrobp	0.618	0.263	0.05	2.79E-17	7
1810010D01Rik	-0.602	0.237	0.116	3.25E-17	7
Hilpda	-0.558	0.263	0.073	6.69E-17	7
Klrg1	-0.406	0.289	0.039	1.15E-16	7
Cd6	-0.404	0.947	0.169	1.29E-16	7
Sst	-0.587	0.816	0.076	2.06E-16	7
Cytip	1.010	1	0.242	2.65E-16	7

Prr13	0.861	0.974	0.214	6.95E-16	7
Epsti1	-0.259	0.289	0.051	2.55E-15	7
mt-Nd3	-0.555	1	0.191	8.31E-15	7
S100a10	1.259	1	0.335	2.16E-14	7
Tbc1d4	-0.846	1	0.194	2.47E-14	7
Lgals1	1.786	0.947	0.27	4.32E-14	7
Thy1	0.339	0.947	0.183	5.45E-14	7
Trp53i11	0.346	0.316	0.025	5.54E-14	7
Crip1	1.750	1	0.344	1.12E-13	7
Igtp	-0.524	0.289	0.073	1.16E-13	7
Gstm1	-0.336	0.316	0.037	7.30E-13	7
Tnfrsf4	-0.334	1	0.211	1.91E-12	7
Ccr8	0.262	0.289	0.082	2.38E-12	7
Krt83	0.766	0.237	0.016	3.15E-12	7
Trp53inp1	-0.384	1	0.211	3.49E-12	7
Tcf7	-0.544	1	0.216	8.02E-12	7
Smc4	-0.543	0.974	0.209	9.60E-12	7
Irf4	-0.421	0.289	0.081	9.86E-12	7
Rac2	1.181	1	0.474	9.91E-12	7
Gimap1	0.289	0.921	0.18	1.45E-11	7
Ctla4	0.848	1	0.24	1.73E-11	7
Prelid2	0.255	0.737	0.054	2.08E-11	7
Cxcr4	-0.422	1	0.222	3.81E-11	7
Ly6a	-1.113	0.289	0.143	4.98E-11	7
Tagln2	0.996	0.921	0.24	8.21E-11	7
Ly6g5b	0.577	0.158	0.006	8.73E-11	7
Mllt3	-0.653	0.289	0.143	9.70E-11	7
Lck	1.691	1	0.349	1.91E-10	7
Rgs2	-0.541	0.289	0.149	2.08E-10	7
Fxyd5	1.145	0.974	0.374	2.14E-10	7
Maf	0.461	1	0.256	3.82E-10	7
Muc6	-0.657	1	0.225	4.36E-10	7
Lag3	-0.581	1	0.228	4.73E-10	7
Actb	1.310	1	0.876	6.28E-10	7
Car2	-0.931	0.289	0.209	6.92E-10	7
Itk	-0.409	0.289	0.172	7.02E-10	7
Anxa1	0.394	0.605	0.006	7.83E-10	7
Slamf6	-1.039	0.974	0.223	2.21E-09	7
Nme2	0.990	0.947	0.333	3.23E-09	7
Dut	-0.438	0.316	0.118	5.22E-09	7
Tff2	-1.528	0.316	0.42	6.35E-09	7
Ucp2	0.953	1	0.468	1.10E-08	7
Gm3839	0.522	0.342	0.04	1.34E-08	7
Tcrg-C1	0.846	0.342	0.025	2.55E-08	7
Srgn	0.882	1	0.448	2.56E-08	7
Id2	0.324	1	0.291	2.60E-08	7
Arl6ip1	0.816	1	0.322	4.09E-08	7
Dusp5	-0.565	0.316	0.164	4.33E-08	7
Clps	-0.955	1	0.964	6.08E-08	7
Lbh	0.401	1	0.282	7.65E-08	7

Mt1	-0.411	0.316	0.177	8.04E-08	7
Cd163l1	1.062	0.132	0.006	9.19E-08	7
Coro1a	0.955	1	0.496	1.20E-07	7
Gm11808	-0.306	0.737	0.076	1.45E-07	7
Gsta4	-0.427	0.342	0.09	2.11E-07	7
Sit1	0.736	0.184	0.016	2.12E-07	7
Socs1	-0.352	0.342	0.088	2.43E-07	7
Il2rb	0.778	1	0.329	3.20E-07	7
Rhoh	-0.547	0.316	0.177	3.78E-07	7
Mgst3	-0.756	0.342	0.115	5.22E-07	7
Hist1h2ap	-0.284	0.368	0.026	1.08E-06	7
Msn	0.467	1	0.327	1.30E-06	7
Bin2	0.476	0.763	0.113	1.46E-06	7
Krt8	-0.828	0.342	0.18	1.61E-06	7
1810011H11Rik	0.368	0.132	0.008	1.71E-06	7
Trgv2	0.647	0.105	0.005	4.15E-06	7
Cd53	0.250	1	0.313	9.08E-06	7
2210407C18Rik	-0.348	1	0.288	1.54E-05	7
Cym	-0.837	1	0.273	1.91E-05	7
Gif	-0.736	0.974	0.267	3.75E-05	7
Klk8	0.515	0.368	0.057	4.44E-05	7
Cd3d	0.694	1	0.397	7.44E-05	7
Gata3	-0.317	0.368	0.147	0.000141199	7
Trac	0.479	1	0.346	0.000163399	7
Fgl2	0.455	0.684	0.065	0.000209182	7
Apbb1ip	0.767	0.684	0.084	0.000290197	7
Gm10260	0.614	0.842	0.233	0.000360056	7
Lrmp	-0.419	0.368	0.102	0.000494554	7
Cnn2	0.681	0.842	0.251	0.000536779	7
Agl	0.289	0.237	0.005	0.001422053	7
Pla2g1b	-0.712	1	0.964	0.002805168	7
Laptm5	0.689	0.974	0.521	0.003172286	7
Ltb	0.792	0.868	0.394	0.004239526	7
Sprr2a3	-1.323	1	0.309	0.004989455	7
Tnfaip3	-0.755	0.421	0.29	0.007177049	7
Trbc1	-0.545	1	0.332	0.017949666	7
Ddit4	0.294	0.684	0.09	0.022690355	7
Ifi27l2a	-0.465	1	0.344	0.023215852	7
Apoa1	-0.780	0.421	0.155	0.053764261	7
AY036118	0.657	1	0.586	0.054891381	7
Cd28	-0.556	1	0.344	0.068970116	7
Cd3g	0.482	0.921	0.369	0.087325923	7
Ifi203	-0.630	0.5	0.14	0.109534187	7
Cd37	0.755	0.711	0.157	0.18934408	7
Ighm	-0.347	0.711	0.129	0.290250955	7
Lta	0.481	0.105	0.016	0.297155465	7
Utf1	0.365	0.105	0.016	0.314102168	7
Atp4b	-0.488	0.447	0.214	0.424611504	7
Lgals3	0.957	0.579	0.037	0.463768105	7
Lars2	0.259	1	0.426	0.592211065	7

Ramp1	0.479	0.763	0.231	0.858308539	7
Flna	-0.420	0.447	0.152	1	7
Pgd	-0.294	0.632	0.065	1	7
Cd69	-0.581	0.447	0.126	1	7
Cd3e	1.220	1	0.572	1	7
Prdx1	-0.398	0.526	0.313	1	7
Cd74	-1.301	1	0.381	1	7
Cd52	0.348	0.868	0.501	1	7
Gm42418	-0.577	1	0.952	1	7
Dnajb1	0.735	0.447	0.105	1	7
Ppp1r15a	0.618	0.632	0.107	1	7
Rgcc	0.610	0.211	0.023	1	7
Tff1	-0.608	0.947	0.802	1	7
H2afz	0.280	0.868	0.448	1	7
Ikzf2	-0.911	1	0.417	1	7
Psmb8	0.265	0.737	0.268	1	7
Rps29	-0.297	1	0.868	1	7
Trdv4	0.951	0.447	0.006	1	7
Nr4a1	0.364	0.5	0.243	1	7
Blk	0.532	0.132	0.009	1	7
Id3	-0.464	0.605	0.088	1	7
Tmem176b	1.695	0.553	0.039	1	7
Gm8369	-1.073	0.132	0.172	1	7
Cd2	-0.280	0.526	0.171	1	7
Ikzf3	0.872	0.5	0.161	1	7
Malat1	-0.441	1	0.953	1	7
Gstp1	0.297	0.684	0.25	1	7
Fam46c	-0.487	0.579	0.067	1	7
Il2rg	-0.466	0.579	0.259	1	7
Gbp4	-0.415	0.5	0.078	1	7
Pim1	-0.327	0.553	0.2	1	7
Ptprc	0.276	1	0.617	1	7
Tnfsf8	-0.866	0.053	0.11	1	7
Dusp1	-0.367	0.605	0.274	1	7
Ets1	-0.274	0.947	0.536	1	7
Ptpn18	-0.364	0.711	0.395	1	7
Gm26917	-1.099	0.842	0.392	1	7
Zfp36l2	0.543	0.579	0.265	1	7
Tuba1b	0.659	0.526	0.135	1	7
Rps15	-0.637	1	0.541	1	7
Izumo1r	-1.114	0.684	0.247	1	7
Hmgcs1	-0.281	0.553	0.076	1	7
Hmgn2	0.375	0.553	0.09	1	7
Gkn2	-0.917	0.789	0.366	1	7
Gkn1	-0.863	0.789	0.412	1	7
AW112010	-0.269	0.789	0.521	1	7
Cd48	0.434	0.526	0.074	1	7
Psca	-0.283	0.684	0.333	1	7
Lat	-0.294	0.684	0.287	1	7
Cd44	-0.518	0.605	0.191	1	7

Chia1	-0.638	0.789	0.437	1	7
Emp3	0.360	0.553	0.121	1	7
Mcpt1	-0.255	0.973	0.027	1.99E-101	8
Chga	-0.351	1	0.051	5.00E-92	8
Chil4	-0.451	0.823	0.028	2.28E-83	8
Igkc	-0.303	1	0.085	1.97E-71	8
Mcpt2	-0.527	0.858	0.044	4.95E-67	8
Sst	-0.373	0.965	0.085	9.95E-61	8
Cxcl10	-0.513	0.947	0.133	7.80E-45	8
Serpina3g	-0.253	0.885	0.127	6.23E-41	8
Reg1	-0.307	0.779	0.131	1.87E-30	8
Gldc	0.266	0.982	0.233	9.00E-29	8
Icam1	-0.330	0.965	0.19	3.82E-26	8
Reg3g	-0.587	1	0.224	1.57E-23	8
Sprr1a	-0.736	0.991	0.233	2.19E-22	8
Gsta2	0.321	0.956	0.271	4.45E-20	8
Socs1	-0.281	1	0.245	7.04E-20	8
Gbp7	-0.251	1	0.247	5.39E-19	8
Gbp4	-0.411	1	0.249	1.46E-18	8
Gm3336	0.344	0.956	0.311	1.76E-18	8
Egln3	0.254	0.929	0.262	1.88E-17	8
Gsta1	0.269	0.912	0.254	4.01E-17	8
Ccnb1	0.272	0.991	0.338	6.21E-15	8
Pttg1	0.460	0.973	0.448	1.35E-12	8
Ido1	-0.322	1	0.294	1.29E-11	8
Gkn1	1.090	0.947	0.694	1.71E-11	8
Cyp2s1	0.388	0.867	0.309	4.70E-11	8
Gkn2	0.990	0.912	0.603	8.60E-11	8
Hist1h2ao	-0.304	1	0.3	9.21E-11	8
Ccnb2	0.371	0.894	0.372	1.19E-10	8
Cd74	-0.401	1	0.992	1.55E-10	8
Cdca3	0.321	0.973	0.433	7.86E-10	8
H2-Aa	-0.520	1	0.954	3.04E-09	8
Tff1	0.799	0.973	0.861	5.13E-09	8
H2-Eb1	-0.528	1	0.918	2.43E-08	8
Cenpa	0.463	0.938	0.512	3.92E-08	8
Cdc20	0.287	0.894	0.342	8.10E-08	8
Psca	0.599	0.973	0.886	1.81E-07	8
H2-K1	-0.296	1	0.994	1.72E-06	8
Ube2c	0.602	0.982	0.626	2.09E-06	8
Dpcr1	0.651	0.858	0.478	2.46E-06	8
Tagln2	0.332	1	0.958	3.18E-06	8
Ethe1	0.269	0.982	0.507	6.85E-06	8
Sptssb	0.361	0.903	0.457	9.67E-06	8
Pla2g10	0.267	0.947	0.539	1.25E-05	8
Lypd8	0.315	0.956	0.503	1.66E-05	8
Tesc	0.266	0.894	0.501	4.80E-05	8
Lgals2	0.391	1	0.932	6.64E-05	8
Birc5	0.385	0.991	0.655	7.65E-05	8
Gm3776	0.415	0.832	0.41	0.000139955	8

Me1	0.294	1	0.554	0.000152786	8
H2-Ab1	-0.449	1	0.954	0.000220841	8
Dmbt1	-0.987	1	0.81	0.000368088	8
Tff2	0.373	0.947	0.825	0.000390973	8
Atp4b	0.517	0.434	0.241	0.001026796	8
Tubb4b	0.429	0.991	0.854	0.001400342	8
Klf4	0.289	0.991	0.744	0.002031135	8
Arl14	0.455	0.85	0.528	0.002876894	8
Pla2g1b	-0.893	0.982	0.985	0.005313349	8
Arl6ip1	0.384	0.991	0.824	0.007577878	8
Clps	-1.219	1	0.996	0.009748715	8
Cotl1	0.377	0.982	0.715	0.009784527	8
Clspn	-0.324	0.991	0.387	0.01112125	8
Pgd	0.276	1	0.694	0.011177575	8
Clu	-0.478	0.982	0.991	0.027255257	8
Iigp1	-0.531	1	0.389	0.038493817	8
Pigr	-0.500	1	0.928	0.059818026	8
Mogat1	0.325	0.805	0.429	0.072995276	8
C2cd4a	0.319	0.85	0.435	0.074697086	8
Clic1	0.285	0.982	0.875	0.075251485	8
Cym	-2.239	1	0.423	0.079014195	8
Tmem176b	-0.263	0.982	0.414	0.119771088	8
H2-T23	-0.445	1	0.712	0.121999287	8
Rbp2	0.277	0.796	0.45	0.203108838	8
Esd	0.265	0.938	0.844	0.273636211	8
Mfge8	-0.306	0.841	0.687	0.349484795	8
Fabp3	0.264	0.442	0.074	0.355989301	8
Mgst3	0.260	1	0.966	0.365884535	8
Kpna2	0.315	0.867	0.457	0.384600952	8
Nqo1	0.304	0.805	0.461	0.428410887	8
H2-DMa	-0.442	1	0.757	0.503982239	8
Rfk	0.283	0.85	0.602	0.510552376	8
Anxa2	-0.286	1	0.463	0.556678633	8
Clca3a2	-0.558	1	0.398	0.598032305	8
Sprr2a3	0.949	1	0.873	0.643419728	8
Mcm6	-0.381	0.735	0.522	1	8
Wfdc2	-0.307	0.681	0.607	1	8
Tuba1c	0.359	0.982	0.639	1	8
2210407C18Rik	0.721	1	0.898	1	8
Ly6e	-0.539	1	0.742	1	8
Pgc	-0.720	1	0.998	1	8
AY036118	-0.495	1	0.941	1	8
Id3	0.254	0.991	0.875	1	8
Ckmt1	0.252	0.991	0.797	1	8
Wars	-0.390	1	0.753	1	8
Zfp36l2	-0.280	0.929	0.759	1	8
Dut	-0.296	0.814	0.622	1	8
Pcna	-0.370	0.973	0.679	1	8
Slbp	-0.398	0.858	0.59	1	8
Gbp2	-0.341	1	0.442	1	8

Hist1h2ap	-0.833	1	0.674	1	8
Ckb	0.274	0.575	0.049	1	8
Gm26917	-0.252	1	0.92	1	8
Uhrf1	-0.405	0.788	0.497	1	8
Hspa1b	-0.317	1	0.843	1	8
Mcm5	-0.334	1	0.48	1	8
Gif	-0.658	0.788	0.343	1	8
Bpifb1	-1.211	1	0.476	1	8
Pga5	-0.394	0.929	0.505	1	8
Apoa1	0.337	0.646	0.184	1	8
Hells	-0.629	1	0.583	1	8
Ly6a	-1.229	1	0.662	1	8
Chka	-0.261	0.965	0.548	1	8
Gbp2b	-0.604	1	0.465	1	8
H2-DMb2	-0.388	1	0.573	1	8
Irf1	-0.404	1	0.49	1	8
AW112010	-0.539	1	0.829	1	8
Igtp	-0.373	1	0.522	1	8
Spink4	-0.400	0.823	0.493	1	8
Lig1	-0.314	0.903	0.537	1	8
Ifitm3	-0.617	1	0.579	1	8
Atp4a	0.281	0.611	0.176	1	8
Rrm2	-0.257	0.912	0.545	1	8
Slfn9	-0.501	1	0.51	1	8
Irgm1	-0.368	1	0.529	1	8
Pglyrp1	-0.379	0.991	0.55	1	8
Hist1h2ae	-0.379	0.761	0.391	1	8
Ubd	-0.986	1	0.514	1	8
Spink4	-0.744	0.99	0.068	1.94E-61	9
Igkc	-0.271	1	0.079	8.72E-61	9
Cxcl10	-0.391	0.954	0.073	1.03E-56	9
Bpifb1	-0.329	1	0.099	5.83E-55	9
Muc6	-0.394	1	0.099	7.70E-55	9
Gm4951	-0.307	0.986	0.094	1.61E-54	9
Pigr	-0.511	1	0.11	9.44E-52	9
Hbegf	-0.299	0.974	0.089	2.49E-51	9
Igfbp5	-1.046	0.887	0.037	1.43E-48	9
Mgp	0.353	0.954	0.089	3.88E-48	9
Gbp2b	-0.294	1	0.141	2.71E-44	9
Serpina3f	-0.413	0.94	0.126	2.74E-41	9
Lst1	-0.352	0.906	0.084	1.51E-40	9
Gfpt1	-0.298	1	0.157	2.08E-40	9
Penk	0.726	0.815	0.021	5.10E-40	9
Hbb-bs	1.447	0.913	0.094	2.16E-39	9
Mylk	-0.285	0.94	0.136	5.07E-38	9
Agr2	-0.272	1	0.173	8.83E-38	9
Pxdn	-0.303	0.95	0.141	1.25E-37	9
Cym	-0.484	1	0.173	2.93E-36	9
Col18a1	-0.338	0.925	0.126	4.54E-34	9
C1s1	-0.312	0.952	0.152	8.38E-34	9

Ccl21a	-0.985	0.909	0.131	9.29E-33	9
Car2	-0.338	1	0.194	1.33E-32	9
Gm36756	-0.311	0.909	0.152	1.66E-32	9
Serpina3g	-0.597	0.993	0.188	2.79E-31	9
Oit1	-0.276	0.971	0.173	3.31E-31	9
Sulf1	-0.265	0.226	0.178	1.32E-28	9
Serpinb6b	-0.351	0.928	0.162	1.37E-27	9
Snhg18	-0.383	0.942	0.168	7.38E-27	9
Adamts4	-0.302	0.81	0.084	5.28E-26	9
Plac8	-0.652	0.99	0.22	2.52E-25	9
Rgs16	-0.318	0.248	0.12	3.18E-24	9
Serpinb1a	-0.879	0.986	0.22	4.59E-24	9
Cxcl13	-0.470	0.567	0.016	5.26E-24	9
Glycam1	-4.298	0.923	0.204	3.40E-23	9
Cotl1	-0.293	0.998	0.241	4.42E-23	9
Tmem189	-0.352	0.87	0.126	1.07E-22	9
Hilpda	-0.356	0.267	0.131	1.52E-22	9
Aqp7	0.251	0.19	0.01	1.71E-22	9
Vwf	-0.575	0.889	0.183	4.26E-22	9
Selp	-0.278	0.846	0.188	4.72E-22	9
H2-Aa	-0.767	1	0.246	5.08E-22	9
Flna	-0.499	0.293	0.215	2.20E-21	9
H2-Eb1	-0.836	1	0.246	2.65E-21	9
Lbh	-0.254	0.971	0.236	5.03E-21	9
Tmed3	-0.475	0.31	0.257	5.31E-21	9
Ubd	-2.117	1	0.251	6.84E-20	9
Smc4	-0.264	0.288	0.136	1.81E-19	9
Neurl3	-0.447	0.921	0.209	5.27E-19	9
Pf4	-0.575	0.832	0.147	8.44E-19	9
Prr13	-0.430	0.332	0.283	2.18E-18	9
Abhd2	-0.261	0.832	0.115	3.49E-18	9
Krt19	-0.342	0.829	0.115	4.60E-18	9
Csf2rb	-0.401	0.82	0.199	6.19E-18	9
Csf2rb2	-0.495	0.913	0.225	6.90E-18	9
Gif	0.417	0.832	0.131	2.88E-17	9
Pglyrp1	-1.084	0.942	0.241	7.85E-17	9
Tfpi	-0.542	0.887	0.215	1.38E-15	9
Timp2	-0.332	0.942	0.246	2.78E-15	9
Tgfb1	-0.420	0.337	0.277	4.98E-15	9
Rfk	-0.299	0.351	0.236	5.85E-15	9
Rbp1	-0.583	0.877	0.204	1.28E-14	9
Id2	-0.278	0.322	0.131	3.14E-14	9
Socs3	-0.487	0.394	0.408	3.45E-14	9
Bcl6b	-0.480	0.298	0.131	3.94E-14	9
Tgfbi	-0.698	0.849	0.225	5.88E-14	9
Cxcl1	-1.200	0.349	0.204	8.84E-14	9
Tff2	-0.543	0.962	0.288	1.84E-13	9
Gm11361	-0.494	0.959	0.267	1.89E-13	9
Sprr2a3	-0.950	1	0.314	2.85E-13	9
Enpp2	-1.063	0.938	0.257	3.60E-13	9

Hspa1b	-0.632	0.964	0.293	3.99E-13	9
Gm32688	-0.425	0.32	0.204	5.10E-13	9
H2-Ab1	-0.707	1	0.346	8.67E-13	9
Cxcl2	-0.358	0.486	0.089	3.56E-12	9
Isg15	0.393	0.839	0.204	3.87E-12	9
Ppp1r15a	-0.635	0.478	0.524	6.99E-12	9
Tppp3	-0.374	0.611	0.037	1.28E-11	9
Mustn1	-0.343	0.382	0.277	1.69E-11	9
Sox7	-0.285	0.875	0.257	2.02E-11	9
Icam1	-0.478	0.978	0.309	2.56E-11	9
Madcam1	-1.328	0.534	0.126	3.47E-11	9
Nkx2-3	-0.257	0.358	0.183	6.85E-11	9
Dab2	-0.364	0.952	0.314	2.70E-10	9
Ctse	-0.275	0.731	0.068	6.34E-10	9
Lamb1	-0.354	0.37	0.157	6.86E-10	9
Vcam1	-0.387	0.849	0.267	1.34E-09	9
Csrp1	-0.600	0.43	0.319	1.70E-09	9
Ugdh	-0.279	0.346	0.073	2.18E-09	9
Aqp1	-0.817	0.781	0.204	5.08E-09	9
Tpm1	-0.341	0.416	0.298	6.05E-09	9
Thbs1	-0.637	0.976	0.346	1.53E-08	9
Bst1	-0.266	0.45	0.11	1.88E-08	9
Vwa1	-0.317	0.406	0.267	4.13E-08	9
BC028528	-0.304	0.413	0.277	7.23E-08	9
mt-Nd3	-0.340	0.978	0.34	7.68E-08	9
Cfb	-0.346	0.536	0.157	7.79E-08	9
Hamp	-0.496	0.349	0.068	8.84E-08	9
Gm13889	-0.497	0.868	0.277	1.04E-07	9
Nxph1	-0.274	0.486	0.136	2.24E-07	9
Ogfrl1	-0.475	0.392	0.162	2.50E-07	9
Marcksl1	-0.570	0.849	0.23	3.32E-07	9
Jam2	0.327	0.779	0.251	5.61E-07	9
Gm11808	-0.554	0.969	0.335	7.46E-07	9
Vim	-0.582	0.522	0.471	1.31E-06	9
Ifitm3	-0.453	0.966	0.88	1.61E-06	9
Il2rg	-0.364	0.433	0.246	2.39E-06	9
Rnd1	-0.368	0.933	0.335	3.67E-06	9
Ch25h	-0.364	0.389	0.168	7.61E-06	9
Ier3	-0.281	0.565	0.55	1.90E-05	9
Rpl9-ps6	-0.288	0.829	0.251	3.38E-05	9
Gbp4	-0.449	0.974	0.398	4.54E-05	9
Iigp1	-0.350	1	0.398	4.88E-05	9
Serpine1	-0.379	0.675	0.11	4.96E-05	9
Itm2a	0.313	0.368	0.073	5.67E-05	9
AY036118	-0.373	0.858	0.288	6.30E-05	9
Cebpb	-0.380	0.772	0.183	7.88E-05	9
Pecam1	-0.390	0.875	0.785	8.70E-05	9
Ctsl	-0.575	0.519	0.34	9.70E-05	9
Cyr61	-0.376	0.507	0.44	9.87E-05	9
Ptprr	0.442	0.382	0.063	0.000115923	9

Tgm2	-0.312	0.832	0.267	0.000140988	9
Fut7	-0.584	0.486	0.168	0.000174497	9
S100a13	-0.598	0.644	0.581	0.000180635	9
Chia1	-0.320	0.791	0.23	0.000356331	9
Id1	-0.301	0.469	0.272	0.000748513	9
2200002D01Rik	-0.741	1	0.393	0.001142433	9
Cpe	-1.226	0.582	0.22	0.001159962	9
Chst4	-0.410	0.447	0.157	0.001696261	9
Adgrf5	-0.520	0.577	0.497	0.001772684	9
Dclk1	-0.619	0.498	0.178	0.002070602	9
Lyve1	-0.287	0.418	0.094	0.002484823	9
Lrg1	-1.133	0.94	0.356	0.003329363	9
Prnp	-0.410	0.514	0.314	0.005079821	9
Mgst3	-0.352	0.466	0.215	0.005442655	9
Bcr	-0.408	0.978	0.419	0.005556338	9
Arl6ip1	-0.269	0.488	0.335	0.010009565	9
Tubb5	-0.565	0.627	0.461	0.012234173	9
Capg	-0.476	0.834	0.283	0.012672846	9
Tek	-0.405	0.478	0.257	0.014128215	9
Nfkbia	-0.443	0.639	0.471	0.015019368	9
Tuba1b	-0.622	0.55	0.382	0.015616487	9
Ehd3	-0.367	0.454	0.251	0.024442497	9
S1pr1	-0.376	0.531	0.372	0.027047644	9
Thbd	-0.728	0.526	0.325	0.031191497	9
Clu	-1.422	0.94	0.382	0.066140485	9
H2-T23	-0.282	0.798	0.288	0.069504629	9
Gkn3	-0.442	0.635	0.058	0.084339459	9
Psmb8	-0.487	0.639	0.487	0.084349107	9
Lyz2	-0.447	0.608	0.021	0.111907108	9
Ar	-0.370	0.5	0.23	0.135470291	9
Gkn2	-0.274	0.834	0.366	0.139409151	9
Egfl7	-0.319	0.969	0.764	0.179350686	9
Col15a1	-0.490	0.62	0.455	0.192508463	9
Bst2	-0.469	0.613	0.429	0.201686692	9
Exoc3l2	-0.384	0.498	0.225	0.215699196	9
Ucp2	-0.326	0.536	0.319	0.255401145	9
Btnl9	-0.323	0.452	0.115	0.260384911	9
Meox1	-0.290	0.534	0.298	0.316817676	9
Epas1	-0.374	0.618	0.476	0.350011351	9
Cks2	-0.286	0.421	0.042	0.353021628	9
H2afz	-0.402	0.642	0.471	0.466600833	9
Lars2	-0.531	0.51	0.246	0.607916565	9
Alpl	0.334	0.399	0.005	0.835093117	9
Nes	-0.381	0.433	0.094	0.919539894	9
Gstp1	0.355	0.649	0.131	1	9
Cyba	-0.539	0.538	0.272	1	9
Cavin1	-0.324	0.959	0.471	1	9
Hes1	-0.553	0.986	0.45	1	9
Mfge8	-1.282	0.731	0.461	1	9
Ube2s	-0.363	0.776	0.272	1	9

Sox18	-0.451	0.502	0.241	1	9
Klf4	-0.558	0.671	0.487	1	9
Clps	-0.282	1	0.613	1	9
Tnfaip3	-0.418	0.764	0.257	1	9
Col4a2	-0.463	0.7	0.534	1	9
Gng11	-0.510	0.784	0.55	1	9
Pdlim1	-0.409	0.964	0.44	1	9
Sema7a	-0.348	0.51	0.199	1	9
Cdc42ep3	-0.254	0.519	0.23	1	9
Plpp1	-0.384	0.695	0.194	1	9
Prss23	-0.545	0.774	0.283	1	9
Ube2c	-0.374	0.399	0.042	1	9
Cyyr1	-0.393	0.608	0.44	1	9
Chst2	-0.372	0.688	0.22	1	9
Adamts1	-0.513	0.534	0.257	1	9
Rpl17	-0.426	0.988	0.681	1	9
Stc1	-0.542	0.663	0.188	1	9
Zfp36	-0.281	0.769	0.707	1	9
Dusp1	-0.258	0.724	0.649	1	9
Irf8	-0.400	0.642	0.12	1	9
Nme2	-0.330	0.714	0.262	1	9
Ramp2	-0.419	0.88	0.634	1	9
Neat1	-0.276	1	0.503	1	9
Adgrl4	-0.320	0.587	0.33	1	9
Hspa1a	-0.604	0.618	0.346	1	9
Clec14a	-0.336	0.654	0.419	1	9
Acvrl1	-0.251	0.562	0.293	1	9
Arhgap31	-0.413	0.671	0.461	1	9
Bace2	-0.383	0.704	0.22	1	9
Serpinh1	-0.540	0.673	0.408	1	9
Igfbp7	-0.312	0.952	0.859	1	9
Rtl8a	-0.386	0.8	0.361	1	9
Adam15	-0.316	0.575	0.314	1	9
S100a6	-0.808	0.87	0.398	1	9
Adamts9	-0.275	0.534	0.22	1	9
Tmem35a	0.325	0.411	0.016	1	9
Mcam	-0.540	0.702	0.267	1	9
Anxa3	-0.258	0.596	0.325	1	9
Plvap	-0.346	0.935	0.806	1	9
Gucy1a1	-0.312	0.132	0.047	1	9
Cd34	-0.352	0.75	0.545	1	9
Eng	-0.337	0.825	0.618	1	9
Ltbp4	-0.288	0.63	0.356	1	9
Hspg2	-0.474	0.74	0.529	1	9
Heg1	-0.296	0.644	0.387	1	9
Crip1	-0.580	0.923	0.785	1	9
Pcp4l1	0.399	0.584	0.079	1	9
Slc43a3	-0.331	0.603	0.314	1	9
Tmem176b	-0.298	0.707	0.503	1	9
Mef2c	-0.318	0.671	0.466	1	9

Gimap6	-0.375	0.635	0.356	1	9
Crip2	-0.371	0.921	0.644	1	9
Timp3	-0.442	0.935	0.56	1	9
Grrp1	-0.347	0.635	0.34	1	9
Tmem176a	-0.254	0.668	0.408	1	9
Esam	-0.397	0.81	0.565	1	9
Sparc	-0.499	0.899	0.639	1	9
Apold1	-0.270	0.928	0.539	1	9
Mmrn2	-0.369	0.885	0.503	1	9
Tm4sf1	-0.321	0.901	0.733	1	9
Cd74	-0.775	1	0.529	1	9
Sgk1	-0.408	0.666	0.419	1	9
Tagln2	-0.484	0.75	0.471	1	9
Cd36	-0.382	0.671	0.246	1	9
Phlda1	-0.430	0.577	0.199	1	9
Serpinb9	-0.434	0.611	0.246	1	9
Rps29	0.280	1	0.948	1	9
Mgll	-0.437	0.712	0.293	1	9
Rflnb	-0.340	0.704	0.277	1	9
Zfp979	-0.295	0.611	0.183	1	9
Tff1	-0.280	0.945	0.723	1	9
Cav1	-0.412	0.894	0.613	1	9
Id3	-0.454	0.844	0.508	1	9
Dlc1	-0.270	0.675	0.387	1	9
Ctla2a	-0.379	0.925	0.607	1	9
Mmrn1	-0.279	0.144	0.026	1	9
Pcdh17	-0.350	0.666	0.33	1	9
Cd300lg	-0.283	0.613	0.225	1	9
Podxl	-0.295	0.757	0.476	1	9
Hist1h1c	-0.304	0.565	0.147	1	9
Cavin3	-0.333	0.798	0.503	1	9
Cst3	-0.476	0.971	0.66	1	9
Cd93	-0.277	0.808	0.555	1	9
Col13a1	0.304	0.514	0.115	1	9
Nid1	-0.305	0.599	0.199	1	9
Hspb1	-0.451	0.875	0.565	1	9
Anxa2	-0.360	0.796	0.419	1	9
Rpl23a	-0.628	0.99	0.565	1	9
Cdh5	-0.257	0.93	0.696	1	9
Col4a1	-0.545	0.87	0.571	1	9
AW112010	-0.262	0.805	0.56	1	9
Plk2	-0.284	0.731	0.408	1	9
Malat1	0.864	1	0.979	1	9
Icam2	-0.283	0.656	0.319	1	9
Hmgb2	-0.445	0.601	0.194	1	9
Emcn	-0.501	0.851	0.508	1	9
Clic1	-0.292	0.882	0.555	1	9
Apoe	-0.557	0.733	0.351	1	9
Serpina1b	-1.464	0.514	0.241	1	9
Selenom	-0.532	0.714	0.346	1	9

Srgn	-0.259	0.81	0.503	1	9
Il6	-0.309	0.447	0.031	1	9
Ifit1bl1	-0.259	0.926	0.108	1.44E-57	10
Atp4a	0.426	0.935	0.137	7.54E-41	10
Ly6d	-0.406	1	0.213	4.11E-34	10
Duox2	-0.255	0.982	0.205	1.01E-31	10
Iigp1	-0.390	1	0.266	1.73E-20	10
Cd74	-0.315	1	0.992	1.09E-12	10
Cym	-0.894	1	0.324	2.15E-12	10
H2-Aa	-0.353	1	0.953	4.32E-12	10
Clca3a2	-0.432	1	0.316	6.80E-12	10
H2-Ab1	-0.329	1	0.95	1.85E-09	10
Phgr1	0.252	0.889	0.416	6.01E-06	10
AW112010	-0.545	1	0.958	2.07E-05	10
Isg15	-0.430	1	0.387	2.47E-05	10
H2-Eb1	-0.319	1	0.913	2.54E-05	10
Pigr	-0.511	1	0.895	2.76E-05	10
Rbp2	0.389	0.972	0.776	0.000281837	10
Mxd1	-0.280	1	0.453	0.002113332	10
Fam13a	-0.298	0.687	0.132	0.018071804	10
H2-DMa	-0.343	1	0.753	0.064326205	10
Ghrl	-0.522	1	0.45	0.103840249	10
Chia1	-0.436	0.848	0.437	0.224860194	10
H2-T23	-0.333	1	0.753	0.267444188	10
Ido1	-0.469	1	0.484	0.926653939	10
Sprr1a	-0.518	1	0.558	1	10
Clu	-0.351	0.995	0.958	1	10
Dmbt1	-0.669	1	0.816	1	10
Wars	-0.282	1	0.853	1	10
Malat1	-0.278	1	1	1	10
Hspa1b	-0.340	1	0.908	1	10
Chka	-0.413	1	0.574	1	10
9130204L05Rik	-0.458	0.535	0.189	1	10
Gsdmc2	-0.295	1	0.811	1	10
Neat1	-0.615	1	0.953	1	10
Irf1	-0.265	1	0.495	1	10
Ubd	-0.759	1	0.503	1	10
Ly6e	-0.344	1	0.711	1	10
Igtp	-0.428	1	0.642	1	10
Ly6a	-0.973	1	0.674	1	10
Idi1	-0.256	0.991	0.655	1	10
Gbp2b	-0.476	1	0.563	1	10
Irgm1	-0.331	1	0.582	1	10
Smim24	0.278	0.562	0.197	1	10
Wfdc18	-0.335	1	0.042	2.85E-78	11
H2-Eb1	0.348	1	0.082	3.53E-56	11
H2-Aa	0.487	1	0.088	1.46E-55	11
Chil4	-0.635	1	0.086	2.42E-52	11
Psmb8	0.342	1	0.096	5.62E-52	11
H2-Ab1	0.485	1	0.104	5.77E-51	11

Hamp2	0.486	0.175	0	3.75E-50	11
Igfbp5	-0.316	0.984	0.122	2.58E-35	11
Bpifb1	-0.563	1	0.138	2.63E-33	11
Gast	-0.392	1	0.146	5.81E-31	11
Oasl1	0.374	1	0.176	3.32E-29	11
Lgals2	1.368	1	0.64	3.10E-28	11
Cd74	0.473	1	0.244	5.61E-27	11
AW112010	0.677	1	0.292	3.87E-26	11
Psca	1.214	1	0.696	2.07E-24	11
Snhg18	-0.384	0.222	0.162	1.42E-22	11
Edn2	-0.442	0.921	0.136	1.04E-21	11
Muc6	-0.791	1	0.188	3.07E-21	11
Itln1	-0.695	1	0.194	4.67E-20	11
2210407C18Rik	0.917	1	0.84	1.30E-19	11
Ifi27l2b	0.256	1	0.226	4.27E-19	11
B930036N10Rik	-0.344	0.254	0.148	5.72E-19	11
Edn1	-0.295	0.921	0.162	7.59E-17	11
Cavin1	-0.296	1	0.23	3.15E-14	11
Gsta1	0.634	1	0.502	8.56E-14	11
Ifitm3	-0.692	1	0.234	1.78E-13	11
Lbh	0.361	1	0.296	1.08E-12	11
Tmem213	-0.399	0.984	0.236	1.45E-12	11
Klk1	-0.375	0.968	0.228	1.41E-11	11
Tff2	-0.797	1	1	1.58E-11	11
Mgst3	0.505	1	0.96	1.59E-10	11
Cfi	-0.251	1	0.272	1.50E-09	11
H2-K1	0.313	1	0.358	4.38E-09	11
Gm3776	0.455	1	0.73	7.25E-08	11
Cela1	-0.704	0.413	0.422	1.45E-07	11
Sox9	-0.513	0.873	0.198	1.79E-07	11
Sprr1a	0.365	1	0.36	2.13E-07	11
Arl14	0.302	0.952	0.37	9.89E-07	11
Krt19	0.520	1	0.944	1.09E-06	11
Vsig1	0.550	0.952	0.788	1.72E-06	11
Fabp5	0.640	0.984	0.552	7.29E-06	11
Gkn1	0.451	1	0.97	8.84E-06	11
Chia1	0.286	0.635	0.014	2.06E-05	11
Gif	-0.502	0.381	0.084	2.23E-05	11
S100a6	0.617	1	0.968	3.08E-05	11
Gkn2	0.440	1	0.964	6.75E-05	11
Gsta4	0.353	1	0.918	0.000108238	11
Hist1h2bc	0.507	0.968	0.474	0.000160152	11
Sptssb	0.448	1	0.718	0.000177385	11
Lypd8	0.782	1	0.682	0.000201307	11
Tff1	0.350	1	0.992	0.000555845	11
Sox4	-0.288	0.73	0.122	0.000750394	11
Gstp1	0.334	0.81	0.274	0.001155096	11
Ndrg1	0.268	1	0.448	0.001591554	11
Tstd1	-0.475	0.444	0.222	0.003215328	11
Ffar4	0.256	0.397	0.032	0.003268258	11

Sdcbp2	0.344	0.952	0.488	0.003943677	11
Lgals9	0.544	0.952	0.506	0.006701812	11
Sult1b1	0.401	0.921	0.49	0.00746676	11
Ptgr1	0.376	0.984	0.766	0.00836366	11
Lmo4	0.382	0.984	0.678	0.01150238	11
S100a11	0.396	1	0.93	0.012541252	11
Tagln2	0.271	1	0.92	0.023730907	11
Clu	-0.699	1	0.944	0.025169773	11
Gsdma2	0.475	0.889	0.506	0.026180398	11
Cldn7	-0.541	1	0.35	0.030737008	11
Dmbt1	-0.614	1	0.792	0.032916522	11
Idi1	0.272	0.889	0.41	0.035928798	11
Aldh3a1	0.293	0.889	0.44	0.050413641	11
Malat1	-0.619	1	0.992	0.059697049	11
Anxa10	0.596	1	0.876	0.105753489	11
Tmsb10	0.314	1	0.978	0.112342795	11
Spink4	-0.553	1	0.864	0.227574514	11
Prr13	0.320	1	0.886	0.339978673	11
Fdps	0.300	0.952	0.574	0.416943336	11
Wfdc2	-0.764	0.937	0.702	0.569041075	11
Tpm1	0.318	1	0.658	0.957253691	11
Rflnb	0.272	0.889	0.46	1	11
Sprr2a3	0.626	1	0.948	1	11
Hmgb2	-0.356	1	0.414	1	11
Agr2	-0.412	1	0.926	1	11
Hist1h1c	0.469	0.952	0.496	1	11
Klf2	-0.256	0.524	0.28	1	11
Smim24	-0.436	1	0.738	1	11
Mt2	-0.937	0.762	0.658	1	11
Mllt3	0.330	0.841	0.494	1	11
Pdlim1	-0.278	1	0.796	1	11
Rbp1	-0.781	1	0.634	1	11
Ttr	-0.461	0.73	0.194	1	11
Il33	0.335	0.444	0.042	1	11
Pigr	-0.452	1	0.45	1	11
mt-Nd3	-0.394	1	0.874	1	11
Mt1	-0.490	1	0.972	1	11
H2afz	0.416	1	0.888	1	11
Ckmt1	0.326	1	0.842	1	11
Insig1	0.493	0.905	0.498	1	11
Nr4a1	-0.417	0.841	0.328	1	11
Dnajb1	0.346	0.778	0.358	1	11
Ugdh	0.263	0.968	0.79	1	11
Cotl1	0.411	1	0.81	1	11
Actb	0.494	1	0.99	1	11
Gm26917	-0.669	1	0.43	1	11
Gstm1	-0.254	0.921	0.886	1	11
Zfp36	-0.365	0.921	0.756	1	11
Pglyrp1	-0.526	1	0.618	1	11
Cyr61	-0.487	0.921	0.396	1	11

Hes1	-0.851	1	0.642	1	11
Gfpt1	-0.595	0.984	0.43	1	11
Fcgbp	-0.941	1	0.628	1	11
Pgc	-0.505	0.857	0.466	1	11
Clic1	0.260	1	0.856	1	11
Plac8	0.301	1	0.936	1	11
Nkx6-3	-0.372	1	0.474	1	11
Golm1	-0.484	0.889	0.544	1	11
Gkn3	-2.716	1	0.548	1	11
Spp1	-1.345	0.556	0.146	1	11
Clca1	-0.829	1	0.524	1	11
Tm4sf5	0.288	0.556	0.082	1	11
Fabp2	-0.301	0.81	0.536	1	11
Krt7	-0.457	1	0.494	1	11
Zfp36l2	-0.406	0.905	0.508	1	11
Id2	-0.413	1	0.594	1	11
Nkx6-2	-0.305	0.714	0.31	1	11
9130204L05Rik	0.629	0.524	0.066	1	11
Gsta2	0.332	0.524	0.078	1	11
Mfge8	-0.430	0.825	0.416	1	11
Gm42418	-0.469	1	0.652	1	11
Mogat1	0.370	0.524	0.068	1	11
Atp2a3	-0.385	1	0.532	1	11
AY036118	0.396	0.992	0.032	2.99E-93	12
Chil4	-0.878	1	0.098	1.95E-59	12
Wfdc18	-0.674	0.958	0.092	8.62E-58	12
Reg1	-0.306	0.915	0.117	6.53E-43	12
Gbp4	-0.309	0.992	0.165	6.36E-36	12
Cxcl1	-0.304	1	0.174	4.38E-34	12
Icam1	-0.276	0.856	0.133	6.86E-34	12
Cpn1	-0.256	0.22	0.151	1.30E-31	12
Cym	-1.797	1	0.185	2.76E-31	12
C3	-0.331	0.814	0.14	1.18E-28	12
Isg15	-0.314	1	0.201	6.89E-28	12
Reg3g	-0.712	1	0.199	6.94E-28	12
Scgb2b7	-0.253	0.229	0.121	2.93E-25	12
Edn1	-0.273	1	0.22	3.97E-24	12
Gm3776	1.081	0.924	0.492	1.20E-21	12
H2-DMb2	-0.289	1	0.229	1.59E-21	12
St3gal4	-0.325	0.983	0.224	2.47E-21	12
Serpina3g	-0.289	0.585	0.108	4.80E-19	12
Loxl2	-0.335	0.737	0.082	5.41E-19	12
Mal	0.320	1	0.293	1.54E-18	12
Cd74	-0.789	1	0.938	5.79E-18	12
Clca3a2	-0.393	1	0.256	1.91E-16	12
Pdia2	-0.453	0.331	0.27	5.70E-16	12
Gsta4	0.615	0.992	0.879	1.63E-15	12
Snhg18	-0.460	0.356	0.348	2.45E-15	12
Gkn3	-1.466	1	0.268	2.70E-15	12
Tff1	1.111	1	0.952	6.02E-15	12

Psca	0.852	0.966	0.709	1.83E-14	12
Gstp1	0.570	0.839	0.254	2.61E-14	12
Lgals2	0.564	0.992	0.856	1.32E-13	12
Pigr	-1.002	1	0.86	3.41E-12	12
Gkn1	1.016	0.983	0.858	1.13E-11	12
C4b	-0.272	0.805	0.146	1.25E-11	12
Gkn2	1.162	0.983	0.771	1.50E-11	12
Creb3l4	-0.275	0.364	0.178	1.77E-11	12
Sprr1a	-0.513	0.983	0.293	1.27E-10	12
Areg	-0.326	0.983	0.302	2.87E-10	12
Lypd8	0.540	1	0.499	3.62E-10	12
Plk2	-0.255	0.915	0.247	3.78E-10	12
Tst	0.469	0.966	0.556	4.45E-10	12
Cd59a	0.528	0.72	0.11	7.75E-10	12
Muc5ac	0.843	0.78	0.24	7.96E-10	12
Crip1	0.410	0.992	0.979	9.04E-10	12
Tstd1	-0.252	0.39	0.297	1.22E-09	12
H2-K1	-0.729	1	0.952	1.56E-09	12
Dpcr1	0.668	0.831	0.359	2.35E-09	12
Gpx2	-0.717	1	0.904	3.16E-09	12
Mgst3	0.445	1	0.954	3.39E-09	12
Sptssb	0.897	0.847	0.421	4.20E-09	12
Gm3336	0.258	0.898	0.343	7.37E-09	12
Rps29	0.279	1	0.998	7.52E-09	12
Prelid2	0.292	0.856	0.268	1.54E-08	12
A4gnt	-0.289	0.398	0.174	7.80E-08	12
Sult1b1	0.496	0.856	0.407	2.60E-07	12
Clu	-0.609	0.992	0.975	5.58E-07	12
Gm10260	0.331	0.983	0.751	4.85E-06	12
Nqo1	0.415	0.856	0.474	6.19E-06	12
Ethe1	0.265	1	0.499	6.22E-06	12
Gif	-0.903	0.398	0.124	8.27E-06	12
Iigp1	-0.617	1	0.339	1.04E-05	12
Wfdc2	-0.819	0.669	0.618	1.04E-05	12
H2-Ab1	-0.679	1	0.872	1.05E-05	12
Uhrf1	-0.375	0.983	0.35	2.24E-05	12
Psmb8	-0.378	1	0.856	2.73E-05	12
Zfp36	-0.665	1	0.787	4.98E-05	12
Pla2g10	0.266	0.958	0.533	6.94E-05	12
Gbp2b	-0.453	1	0.357	0.000130156	12
Atp5k	0.310	1	0.979	0.000163781	12
Degs2	0.332	0.788	0.256	0.000184039	12
Ugdh	0.302	0.89	0.506	0.000360025	12
Gm26532	-0.282	0.89	0.293	0.000405962	12
Irf1	-0.408	1	0.359	0.000459813	12
Gstm1	0.488	0.932	0.757	0.00049483	12
Nfe2l2	0.319	0.975	0.792	0.000564713	12
H1fx	-0.252	0.966	0.364	0.000673483	12
Ier3	-0.319	1	0.364	0.00068091	12
H2-Aa	-0.518	1	0.826	0.000682811	12

Vsig1	0.334	0.958	0.838	0.000834566	12
Smim6	0.374	0.958	0.732	0.000928886	12
Ifi47	-0.341	1	0.362	0.000973236	12
Klf4	0.367	0.992	0.65	0.000992929	12
H2-Eb1	-0.640	1	0.835	0.001362957	12
Mfge8	-0.540	0.737	0.634	0.001477092	12
Malat1	-0.474	1	0.998	0.00151805	12
2200002D01Rik	0.312	1	0.753	0.001599992	12
Sox4	-0.340	0.534	0.38	0.002211702	12
Rbp2	0.377	0.881	0.43	0.002686473	12
Prdx1	0.321	1	0.993	0.00450065	12
Sult1d1	0.552	0.788	0.384	0.004659246	12
Spata7	-0.476	0.458	0.183	0.005600808	12
S100a6	0.521	1	0.831	0.008276648	12
Krt19	0.386	1	0.924	0.008963589	12
AW112010	-0.939	1	0.856	0.012143222	12
2210404E10Rik	-0.384	0.568	0.412	0.013497432	12
Pga5	-0.876	0.602	0.449	0.016816417	12
Hist1h2ap	0.919	0.78	0.286	0.019353722	12
Lmo4	0.292	0.915	0.648	0.019690914	12
Ifi27	-0.442	0.958	0.357	0.022135799	12
Ptgr1	0.381	0.839	0.636	0.030838138	12
mt-Nd3	-0.340	0.992	0.858	0.033706148	12
2210407C18Rik	0.899	1	0.865	0.053168105	12
Tubb5	-0.292	0.983	0.915	0.067489596	12
Gsta1	0.720	0.686	0.236	0.076074036	12
Clps	-0.525	1	0.714	0.080476538	12
Far1	0.292	0.907	0.515	0.091826387	12
Esd	0.276	0.958	0.725	0.115047703	12
Il18	0.276	0.737	0.286	0.116161668	12
Hbegf	-0.273	0.941	0.373	0.141658077	12
Rpl23a	0.254	0.992	0.959	0.155441582	12
Dmbt1	-0.653	1	0.771	0.160672259	12
Lgals9	0.267	0.992	0.579	0.176745103	12
Mllt3	0.284	0.729	0.24	0.222049522	12
Gsta3	0.422	0.669	0.178	0.476777703	12
Igtp	-0.325	1	0.421	0.522375512	12
Plac8	0.276	1	0.924	1	12
Tmed3	-0.265	0.627	0.474	1	12
Ghrl	0.427	0.661	0.135	1	12
Ly6a	-0.918	1	0.474	1	12
Gfpt1	-0.461	1	0.696	1	12
Gadd45g	-0.339	1	0.46	1	12
Racgap1	-0.289	0.966	0.432	1	12
Lgr4	0.254	0.737	0.336	1	12
Atf3	-0.451	1	0.7	1	12
Selenom	-0.252	0.508	0.158	1	12
Akr1c14	0.388	0.644	0.169	1	12
Ctse	-0.265	0.975	0.856	1	12
Incenp	-0.317	0.898	0.398	1	12

Stmn1	0.254	0.983	0.822	1	12
Arl6ip1	0.418	0.949	0.73	1	12
Adh7	0.339	0.576	0.048	1	12
Gsta2	0.335	0.576	0.053	1	12
Muc6	-1.998	0.983	0.439	1	12
H2-DMb1	-0.540	1	0.579	1	12
S100a1	-0.487	0.992	0.677	1	12
Aldh3a1	0.254	0.61	0.137	1	12
Dusp1	-0.514	1	0.652	1	12
H2-DMa	-0.414	1	0.632	1	12
Chia1	0.324	0.551	0.03	1	12
Bpifb1	-2.083	1	0.558	1	12
Spink4	-0.653	0.78	0.579	1	12
Cfi	-0.484	0.763	0.444	1	12
Cyr61	-0.436	0.958	0.487	1	12
Top2a	-0.270	0.983	0.67	1	12
Ifitm3	-0.669	1	0.49	1	12
Actb	0.360	0.992	0.991	1	12
Wars	-0.356	1	0.661	1	12
AA467197	-0.453	1	0.606	1	12
Hes1	-0.402	0.958	0.627	1	12
Lig1	-0.362	0.975	0.533	1	12
Cenpw	-0.266	0.915	0.499	1	12
Me2	0.274	0.576	0.174	1	12
Chka	-0.286	0.839	0.469	1	12
Pglyrp1	-0.419	0.975	0.522	1	12
Ly6e	-0.420	1	0.526	1	12
Nfkbia	-0.405	0.992	0.568	1	12
Cyba	-0.372	1	0.577	1	12
Nr4a1	-0.463	0.703	0.286	1	12
Pgc	-0.944	0.975	0.838	1	12
Agr2	-0.376	0.966	0.879	1	12
Golm1	-0.328	0.856	0.485	1	12
Ubd	-1.318	1	0.508	1	12
Gbp7	-0.259	0.99	0.023	8.25E-77	13
Ikzf2	-0.350	0.98	0.023	4.55E-76	13
Irf8	-0.329	0.98	0.028	1.77E-74	13
2210404E10Rik	-0.274	1	0.037	5.29E-74	13
Jchain	-0.288	0.963	0.028	2.93E-72	13
Timp2	-0.300	0.953	0.023	7.11E-72	13
Reg3g	-0.337	0.97	0.032	1.38E-71	13
Ifi47	-0.285	1	0.046	6.94E-71	13
H2-DMb1	-0.285	1	0.046	6.94E-71	13
Ptprc	-0.460	1	0.046	6.94E-71	13
Gbp2b	-0.474	1	0.046	6.94E-71	13
Mxd1	-0.389	0.99	0.041	1.50E-70	13
Cxcl9	-0.389	0.95	0.037	1.72E-67	13
Lgr4	-0.315	0.997	0.06	1.80E-65	13
Papss2	-0.376	0.997	0.06	2.01E-65	13
Serpinb9	-0.578	1	0.065	6.78E-65	13

Anxa3	-0.250	0.947	0.028	4.31E-63	13
Arhgdib	-0.291	0.887	0.028	1.47E-62	13
Irf1	-0.516	0.98	0.055	4.44E-62	13
Chil4	-0.314	0.927	0.046	9.64E-62	13
Irgm1	-0.479	1	0.078	1.49E-60	13
Cxcr4	-0.450	0.883	0.037	2.38E-59	13
Clca3a2	-0.472	0.893	0.041	3.85E-59	13
Cd52	-0.511	0.95	0.065	7.26E-59	13
Art2b	-0.345	0.92	0.055	3.99E-58	13
Cyba	-0.451	0.99	0.078	5.79E-58	13
Iigp1	-0.480	1	0.088	9.20E-58	13
Serpina3g	-0.572	0.927	0.06	1.57E-57	13
Wars	-0.618	0.997	0.088	5.75E-57	13
Pcolce	-0.312	0.873	0.041	7.64E-57	13
Plet1	0.429	0.927	0.023	8.53E-57	13
Hmgb2	-0.354	1	0.092	8.95E-57	13
Sox9	-0.365	1	0.092	9.61E-57	13
H2-DMb2	-0.645	1	0.092	2.15E-56	13
Ebf1	-0.257	0.81	0.018	2.56E-56	13
Hamp	-0.403	0.9	0.051	3.70E-56	13
Mcpt1	-0.664	0.9	0.055	7.88E-56	13
Umod	-0.795	0.993	0.092	1.22E-55	13
Igha	-0.565	1	0.097	4.77E-55	13
H2-DMa	-0.543	1	0.097	4.82E-55	13
Idi1	-0.259	0.987	0.088	9.60E-55	13
Furin	0.428	0.993	0.101	1.33E-54	13
Sprr2a1	-0.625	0.92	0.069	4.19E-54	13
Igkc	-0.430	1	0.101	1.04E-53	13
Mt2	-0.441	0.993	0.097	1.17E-53	13
2200002D01Rik	-0.448	0.963	0.069	1.46E-53	13
Foxq1	-0.421	1	0.106	1.41E-52	13
Igtp	-0.634	1	0.106	2.15E-52	13
Hist1h2ap	-0.537	0.89	0.069	8.17E-51	13
Pdia2	-0.292	1	0.115	1.84E-50	13
Far1	-0.517	1	0.115	3.86E-50	13
Wfdc2	-0.334	0.93	0.051	5.09E-50	13
Gkn3	-0.557	1	0.115	6.50E-50	13
Icam1	-0.270	0.813	0.023	9.19E-50	13
Rgs5	-0.566	0.83	0.051	1.80E-49	13
Gm20400	0.450	0.123	0.005	1.38E-48	13
Emp1	-0.377	0.93	0.092	1.94E-48	13
Ppargc1a	-0.309	0.927	0.055	5.29E-48	13
Mlph	-0.346	0.797	0.032	3.92E-47	13
Kcnj16	-0.263	0.963	0.115	7.59E-47	13
Unc93b1	-0.270	0.893	0.028	1.93E-46	13
Hist1h1e	-0.327	0.907	0.041	1.96E-46	13
Fgfbp1	-0.263	0.92	0.055	2.20E-46	13
Clca1	-1.323	0.88	0.088	7.20E-45	13
Klf4	-0.881	0.997	0.134	3.37E-44	13
Oit1	-0.424	0.953	0.097	4.33E-44	13

Gbp2	-0.337	0.73	0.032	5.68E-44	13
Ly6d	-0.774	0.973	0.129	1.51E-43	13
Rac2	-0.380	0.723	0.032	2.62E-43	13
Sprr1a	-0.935	0.943	0.12	6.95E-43	13
Pglyrp1	-0.673	0.923	0.078	1.67E-41	13
Muc4	-0.287	0.68	0.023	2.28E-41	13
Cebpb	-0.272	0.86	0.032	2.73E-41	13
Krt20	-0.276	0.66	0.018	1.40E-40	13
Plac8	-0.750	1	0.152	1.48E-40	13
Irf7	-0.423	0.743	0.037	4.76E-40	13
Srgn	-0.358	0.723	0.023	2.40E-39	13
Rbp2	-0.281	0.89	0.055	2.58E-39	13
Hes1	-0.317	0.863	0.041	9.61E-39	13
Pim1	-0.252	0.797	0.023	1.31E-38	13
Sox4	-0.651	0.923	0.092	2.46E-38	13
Ifitm3	-0.604	0.99	0.152	2.59E-38	13
Gfpt1	-0.828	1	0.161	3.37E-38	13
H2-T23	-0.815	1	0.161	6.16E-38	13
Rflnb	-0.401	0.907	0.083	5.23E-37	13
Lypd8	-0.663	0.977	0.147	5.83E-37	13
Cd69	-0.303	0.613	0.023	3.91E-35	13
Dut	0.294	0.837	0.018	4.42E-35	13
Tpsab1	-0.415	0.797	0.028	5.32E-35	13
Pcna	-0.281	0.853	0.037	5.60E-35	13
Pthlh	0.531	0.15	0.014	7.28E-35	13
Pgd	-0.263	0.887	0.074	1.06E-34	13
Hspa1a	-0.557	1	0.184	1.34E-33	13
Muc5ac	-0.826	0.98	0.166	1.70E-33	13
Pclaf	-0.374	0.853	0.051	1.97E-33	13
Gm3776	-0.456	0.857	0.051	5.84E-33	13
Slc9a3	-0.883	0.903	0.147	8.70E-33	13
Rfk	0.300	0.2	0.018	5.89E-31	13
Ubd	-0.912	1	0.194	1.31E-30	13
Hmgcs1	-0.256	0.933	0.147	8.45E-30	13
Nupr1	0.256	0.213	0.055	4.88E-29	13
AA467197	-0.255	0.53	0.018	5.85E-29	13
Abhd2	-0.424	0.93	0.147	8.15E-29	13
AW112010	-0.644	1	0.207	7.83E-28	13
Trp53inp1	-0.279	0.633	0.032	8.59E-28	13
Ly6e	-0.534	1	0.217	7.08E-27	13
Hspa1b	-0.792	0.98	0.198	7.38E-27	13
Lgals3	-0.561	0.753	0.069	1.08E-26	13
Bst2	-0.393	0.88	0.111	1.38E-26	13
Cotl1	-0.260	0.823	0.051	2.40E-26	13
Esrrg	-0.646	0.987	0.212	8.49E-26	13
Ifrd1	-0.465	0.873	0.111	2.79E-25	13
Cd74	-0.673	1	0.876	1.27E-24	13
Ugdh	-0.381	0.26	0.115	3.27E-23	13
Apoa4	-0.326	0.257	0.092	5.78E-23	13
Gm3839	0.433	0.24	0.014	6.94E-23	13

Rpl23a	-0.361	0.993	0.244	1.41E-22	13
Car8	0.501	0.243	0.018	1.90E-22	13
Spink4	-0.773	1	0.249	3.64E-21	13
Dmbt1	-0.834	0.857	0.12	8.10E-21	13
Tubb4b	0.308	0.833	0.111	3.05E-20	13
Hist2h2aa1	-0.302	0.8	0.065	3.80E-20	13
Neat1	-0.598	1	0.253	4.97E-20	13
Gsto1	-0.596	0.953	0.226	1.29E-19	13
Cyp2s1	-0.601	0.85	0.124	2.17E-19	13
Hist1h2bc	0.598	0.273	0.06	3.68E-18	13
Id2	-0.260	1	0.286	9.31E-17	13
Rps2	-0.333	1	0.286	1.32E-16	13
Fabp1	0.435	0.703	0.014	1.66E-16	13
Psmb8	-0.858	1	0.272	2.83E-16	13
S100a11	-0.696	1	0.276	3.24E-16	13
Duox2	-0.256	0.36	0.018	3.58E-16	13
Smim6	-0.496	0.8	0.101	3.23E-15	13
Pga5	-0.424	0.787	0.088	4.08E-15	13
Agr2	-0.419	0.987	0.286	7.07E-15	13
Pcp4l1	0.727	0.293	0.014	4.92E-14	13
Gstm1	-0.427	0.8	0.12	2.88E-13	13
Rpl17	-0.340	0.98	0.304	3.07E-13	13
Dpcr1	-0.310	0.313	0.06	5.21E-13	13
Atf3	-0.359	0.827	0.157	1.38E-12	13
Msmo1	-0.309	0.743	0.065	7.93E-12	13
H2-K1	-0.743	1	0.747	8.56E-12	13
Anxa2	-0.369	0.713	0.051	1.30E-11	13
S100a6	-1.710	1	0.313	4.36E-11	13
Tagln2	-0.398	0.383	0.221	1.26E-10	13
Malat1	0.582	1	0.848	3.21E-10	13
Pigr	-1.047	1	0.313	4.40E-10	13
Mcpt2	-0.306	0.56	0.018	6.50E-10	13
Gpx2	-0.606	0.37	0.147	1.00E-09	13
Ifi27l2b	0.329	0.363	0.152	3.96E-09	13
Fa2h	0.621	0.34	0.06	4.73E-09	13
Krt19	-0.492	0.99	0.35	1.14E-08	13
Prelid2	0.543	0.35	0.028	5.51E-07	13
Phlda1	-0.378	0.42	0.207	5.57E-07	13
Kcne2	0.343	0.373	0.111	5.86E-07	13
Clu	-0.810	0.997	0.378	1.64E-05	13
Sst	-0.451	0.683	0.065	4.36E-05	13
Bex2	0.263	0.37	0.023	5.89E-05	13
Muc6	-1.081	1	0.364	6.39E-05	13
mt-Nd3	-0.909	1	0.369	0.00011579	13
Krt8	-0.661	0.623	0.475	0.001224678	13
Fabp3	-0.285	0.907	0.336	0.00372701	13
Ckb	-0.324	0.777	0.217	0.008337111	13
Bpifb1	-0.887	1	0.396	0.008791293	13
Cox7a1	-0.423	0.807	0.263	0.00939866	13
Clic3	-0.317	0.603	0.032	0.012471542	13

Gsta4	-0.478	0.493	0.217	0.085105704	13
Id3	0.291	0.723	0.203	0.086297838	13
H2-Eb1	-0.943	1	0.406	0.206869148	13
Rps15	-0.307	1	0.452	0.212530458	13
Tff2	-0.268	1	0.47	0.319095503	13
H2-Ab1	-1.012	1	0.604	0.589079375	13
Crip1	-0.623	1	0.433	0.734938393	13
H2-Aa	-0.586	1	0.636	0.763354394	13
Sprr2a3	-1.335	1	0.433	0.831195873	13
Actb	0.341	0.98	0.673	1	13
Tff1	-0.587	0.977	0.839	1	13
Hamp2	-0.439	0.713	0.484	1	13
Me1	-0.477	0.443	0.046	1	13
Psca	-0.259	1	0.889	1	13
Sult1c2	0.340	0.473	0.097	1	13
Apoa1	-0.412	0.953	0.705	1	13
Rps29	0.436	1	0.894	1	13
Ly6a	-1.011	1	0.447	1	13
Chia1	0.341	0.867	0.465	1	13
Lmo4	-0.303	0.493	0.092	1	13
Tst	-0.333	0.483	0.065	1	13
Mt1	0.256	0.987	0.705	1	13
Atp4a	0.506	1	0.899	1	13
Gkn2	-0.431	0.8	0.53	1	13
Lars2	-0.408	1	0.525	1	13
Atp5k	0.255	0.997	0.608	1	13
Cym	-1.244	1	0.488	1	13
Zfp36	-0.344	0.623	0.171	1	13
Pla2g1b	0.625	1	0.977	1	13
Cd36	0.297	0.467	0.037	1	13
Clps	0.584	1	0.977	1	13
Pgc	0.266	1	0.972	1	13
Anxa10	-0.323	0.68	0.304	1	13
Gm42418	0.822	1	0.986	1	13
Apoe	-0.345	0.487	0.046	1	13
Prnp	0.668	0.513	0.037	1	13
Edem1	-0.269	0.54	0.074	1	13
Tkt	0.331	0.547	0.101	1	13
Pla2g10	0.279	1	0	1.49E-109	14
Serpina3i	0.323	0.941	0	8.00E-103	14
Ccl21a	0.869	1	0.002	9.41E-103	14
Igkv5-39	0.956	1	0.008	3.11E-86	14
Cyp4v3	0.551	1	0.01	9.96E-82	14
Sult1d1	0.658	1	0.012	2.85E-78	14
Igsf9	0.472	1	0.014	7.64E-74	14
Adam19	0.927	1	0.016	1.08E-70	14
Slfn5	0.373	1	0.016	1.62E-70	14
Usp50	0.269	1	0.018	1.92E-67	14
Rgs10	0.485	1	0.02	2.55E-65	14
Ccdc34	0.987	1	0.02	4.67E-65	14

Wfdc21	0.584	0.118	0	1.77E-63	14
Idi1	0.381	1	0.022	3.81E-62	14
Pgd	0.253	1	0.022	1.13E-61	14
Mfge8	-0.254	1	0.022	1.87E-61	14
Ighv3-2	1.226	0.118	0.002	4.97E-60	14
Wfdc2	-0.250	1	0.024	6.85E-59	14
Foxq1	-0.259	1	0.024	6.85E-59	14
Plk2	-0.265	1	0.024	6.85E-59	14
Ckmt1	-0.273	1	0.024	6.85E-59	14
Gbp2b	-0.274	1	0.024	6.85E-59	14
Dbndd2	0.604	0.118	0.004	6.04E-57	14
Plbd1	0.610	1	0.028	2.11E-54	14
Oit1	-0.261	1	0.028	2.92E-54	14
Hist3h2ba	0.472	0.118	0.006	3.91E-54	14
Igkv1-88	3.249	0.118	0.002	6.90E-54	14
Evi2a	0.454	1	0.03	1.84E-52	14
Sox9	-0.281	1	0.032	3.42E-50	14
Adm	0.608	0.882	0.008	1.09E-49	14
Tyms	0.285	0.118	0.01	2.10E-49	14
Gadd45g	0.338	1	0.034	1.14E-48	14
Id1	-0.315	1	0.034	2.45E-48	14
Tyrobp	0.695	1	0.036	6.17E-47	14
BC035044	0.651	0.882	0.026	6.62E-47	14
Naaa	-0.387	0.118	0.014	1.40E-45	14
Lypd8	0.726	1	0.038	2.27E-45	14
Igkv6-32	2.072	0.118	0.014	3.13E-45	14
Mllt3	-0.274	1	0.038	6.14E-45	14
Trp53inp1	-0.450	1	0.038	6.14E-45	14
Pltp	0.513	0.118	0.01	6.16E-44	14
Ifi47	0.430	1	0.04	2.12E-43	14
Abhd2	-0.260	1	0.04	2.24E-43	14
Nr4a2	-0.295	0.941	0.026	2.56E-43	14
Lig1	0.443	0.882	0.014	2.02E-42	14
Serpina3g	-0.406	1	0.043	6.75E-42	14
Trbc1	-0.373	1	0.043	6.75E-42	14
Ifitm3	-0.377	1	0.043	6.75E-42	14
Hist1h2bc	-0.295	0.118	0.02	9.41E-41	14
Tmed6	0.420	0.176	0.004	1.80E-40	14
Agpat2	-0.403	0.118	0.022	2.25E-39	14
Maff	-0.383	0.118	0.022	2.39E-39	14
Trbv1	-0.304	0.882	0.034	3.77E-39	14
Hist1h2ap	-0.305	0.941	0.04	4.80E-39	14
Lmnb1	-0.292	0.941	0.034	6.57E-37	14
Cplx2	-0.328	0.176	0.008	8.66E-37	14
Klf4	-0.449	1	0.051	1.10E-36	14
Lgals9	0.366	1	0.053	6.25E-36	14
Spink4	-0.531	1	0.053	1.56E-35	14
Tmem176b	-0.381	0.176	0.01	3.37E-35	14
Anpep	-0.357	0.176	0.012	9.54E-34	14
Csf2ra	-0.306	0.176	0.014	2.04E-32	14

S100a4	-0.491	0.176	0.016	3.42E-31	14
Cd300lf	0.291	1	0.063	9.18E-31	14
Jchain	0.406	1	0.065	3.77E-30	14
Hist1h2ae	-0.386	0.176	0.018	4.60E-30	14
Tnfrsf18	-0.470	0.176	0.018	4.60E-30	14
Il18	-0.407	0.176	0.018	4.86E-30	14
Epsti1	0.593	1	0.067	1.16E-29	14
Rdx	-0.257	0.118	0.043	1.50E-29	14
Gkn3	-0.589	1	0.067	9.04E-29	14
Ubd	-0.570	1	0.067	9.04E-29	14
Edem1	0.527	1	0.069	1.51E-28	14
Abi3	0.387	1	0.069	1.97E-28	14
Hhex	-0.442	0.118	0.047	3.35E-28	14
Hs3st1	-0.333	0.882	0.032	4.68E-28	14
Gm3839	0.747	0.235	0.002	5.40E-28	14
Nr4a3	-0.629	1	0.069	5.89E-28	14
Id2	-0.607	1	0.071	3.57E-27	14
Pdlim1	0.329	0.176	0.024	7.86E-27	14
Apobec1	-0.657	0.118	0.053	2.16E-26	14
Vsig1	-0.257	0.118	0.053	2.53E-26	14
Tipin	-0.324	0.176	0.026	2.79E-26	14
Kctd12	0.479	1	0.075	5.67E-26	14
Iglv1	0.492	0.176	0.028	4.41E-25	14
Pga5	-0.568	0.176	0.03	8.96E-25	14
Lgals3	-0.575	0.176	0.03	9.36E-25	14
Krt19	-0.556	1	0.079	2.52E-24	14
Lck	0.827	1	0.083	2.72E-24	14
Apbb1ip	1.166	1	0.093	5.61E-23	14
Prelid2	0.360	0.176	0.036	2.25E-22	14
Cited2	-0.371	0.882	0.045	2.84E-22	14
Ppt1	-0.609	0.176	0.038	3.12E-22	14
Selplg	0.453	0.882	0.047	6.70E-22	14
Rgs2	-0.482	1	0.087	7.37E-22	14
Fabp5	-0.344	0.118	0.077	4.37E-21	14
A630072M18Rik	-0.279	0.882	0.049	1.01E-20	14
Hamp2	-0.473	0.882	0.051	5.29E-20	14
Gfpt1	-0.627	1	0.095	1.05E-19	14
S100a13	-0.301	0.118	0.085	1.38E-19	14
Atp4a	-0.553	0.118	0.087	1.57E-19	14
Gngt2	-0.331	0.118	0.087	2.05E-19	14
Lgals1	-0.549	0.176	0.051	3.03E-19	14
Bpifb1	-0.725	1	0.097	3.30E-19	14
Sst	-0.624	0.941	0.075	3.88E-19	14
Rnase1	-0.251	0.471	0.02	7.35E-19	14
Vim	-1.201	0.118	0.101	8.98E-18	14
Atp2a3	-1.084	0.118	0.105	2.29E-17	14
Gsn	0.534	0.824	0.04	1.32E-16	14
Flna	-0.398	0.176	0.069	3.23E-16	14
Ctse	-0.685	0.941	0.089	1.10E-15	14
Cebpb	-0.418	1	0.115	1.36E-15	14

Ifi27	0.668	1	0.123	1.40E-15	14
Igha	-0.874	1	0.117	4.74E-15	14
Gem	1.118	1	0.126	5.61E-15	14
Dnajb1	1.689	1	0.144	6.56E-15	14
Ifi203	0.943	1	0.132	1.30E-14	14
Tnfaip3	-0.479	0.882	0.071	2.38E-14	14
Itgb7	0.478	0.882	0.075	3.44E-14	14
Pld4	-0.611	0.176	0.087	4.76E-14	14
Hspa1b	0.533	1	0.134	5.43E-14	14
Anxa10	-0.269	0.882	0.073	6.32E-14	14
Mgst3	-1.013	1	0.126	1.37E-13	14
Rnase6	0.319	0.235	0.047	4.10E-13	14
Traf1	-0.327	0.235	0.049	4.77E-13	14
Ube2s	0.343	1	0.136	5.76E-13	14
Nfkbid	-0.935	0.118	0.166	6.84E-13	14
Sla	-0.576	0.235	0.051	7.75E-13	14
Cd69	0.960	1	0.146	8.73E-13	14
Krt8	-1.071	1	0.132	1.21E-12	14
Bcl2a1b	-0.649	0.176	0.083	3.13E-12	14
Lgals2	-0.440	0.176	0.109	3.34E-12	14
Plaur	-0.690	1	0.136	4.12E-12	14
Irf1	0.571	0.882	0.087	6.45E-12	14
Car2	-0.607	1	0.14	1.52E-11	14
Pglyrp1	-0.764	0.235	0.071	1.13E-10	14
Creld2	0.549	0.294	0.022	1.20E-10	14
Lmo4	-0.749	0.235	0.073	1.59E-10	14
2210407C18Rik	-1.008	0.118	0.245	7.58E-10	14
Gm11808	0.327	0.941	0.13	1.19E-09	14
Agr2	-0.953	0.176	0.166	1.48E-09	14
Dusp1	0.801	1	0.178	2.58E-09	14
Fcer2a	1.376	1	0.206	3.00E-09	14
Emp3	-0.422	0.235	0.091	4.49E-09	14
Limd2	1.268	1	0.231	4.86E-09	14
Gm2a	-0.636	0.235	0.095	6.03E-09	14
Bcr	0.317	0.647	0.01	8.63E-09	14
Marcksl1	0.273	0.235	0.089	9.42E-09	14
Id3	0.720	0.824	0.079	9.58E-09	14
Capg	1.060	1	0.196	4.18E-08	14
Ctss	0.732	1	0.198	4.50E-08	14
Slamf6	-0.354	0.235	0.115	7.02E-08	14
Muc6	-1.239	1	0.176	2.07E-07	14
Wdfy4	-0.779	0.176	0.138	2.16E-07	14
Arl6ip1	0.631	1	0.204	2.88E-07	14
Phlda1	-0.426	0.294	0.055	3.14E-07	14
Tgfb1	-0.330	0.235	0.142	6.23E-07	14
Fcmr	1.103	1	0.257	1.29E-06	14
H2-DMb1	-0.494	0.235	0.158	1.42E-06	14
Igkv3-5	1.698	0.118	0.002	1.70E-06	14
Hist1h3e	0.346	0.353	0.008	2.21E-06	14
Psmb8	0.344	1	0.217	7.53E-06	14

Gimap5	-0.336	0.294	0.083	1.14E-05	14
Ndrg1	0.328	0.353	0.014	1.26E-05	14
Cr2	-0.465	1	0.2	1.59E-05	14
Ifi27l2a	1.099	1	0.253	1.88E-05	14
Gif	-0.590	1	0.202	1.95E-05	14
Ncf2	0.283	0.294	0.083	2.14E-05	14
Tff2	-1.869	0.235	0.417	4.28E-05	14
Gm30211	0.841	0.882	0.168	5.99E-05	14
Il2rg	0.497	0.882	0.162	0.000109063	14
Cks2	0.272	0.353	0.03	0.000347725	14
Myc	-0.386	0.294	0.136	0.000363507	14
Rasgrp2	-0.901	0.294	0.17	0.000569943	14
S100a6	-1.045	0.294	0.174	0.000643151	14
Cym	-1.665	1	0.225	0.000774773	14
Cotl1	0.585	1	0.267	0.000848435	14
Pou2af1	-0.940	0.294	0.213	0.001394304	14
Ltb	1.144	0.941	0.322	0.001540264	14
H2-DMa	0.689	1	0.308	0.001577298	14
Atp5k	-1.093	1	0.231	0.001717409	14
Gsta4	-0.468	0.353	0.051	0.00239581	14
Iglc3	0.661	1	0.328	0.004178213	14
Mzb1	0.348	1	0.283	0.005157615	14
Trp53i11	0.484	0.353	0.061	0.010546602	14
Cd52	1.012	1	0.656	0.011677651	14
Fxyd5	0.265	0.353	0.075	0.018963049	14
Rfk	0.467	0.353	0.077	0.025820583	14
Cd53	0.403	1	0.3	0.039451485	14
Fcrla	-0.483	0.353	0.128	0.04099173	14
S1pr1	-0.460	0.353	0.121	0.045311404	14
Clu	-0.563	0.353	0.134	0.052801571	14
Tuba1b	-0.420	0.353	0.13	0.057071682	14
Hes1	-0.409	0.647	0.032	0.066282106	14
Sprr2a3	-0.820	1	0.267	0.07466129	14
Gimap4	-0.614	0.353	0.16	0.075817835	14
Cd74	0.542	1	0.986	0.113013076	14
Rps15	1.114	1	0.632	0.148579661	14
Fcgr2b	0.251	0.706	0.081	0.153824549	14
Pla2g1b	-2.139	1	0.789	0.160696645	14
Ighg2b	-0.461	0.235	0.034	0.170222728	14
Cybb	-0.535	1	0.283	0.23508001	14
H2-DMb2	0.613	1	0.429	0.283509097	14
Clps	-1.734	1	0.789	0.314984868	14
Plac8	0.272	0.882	0.257	0.63804872	14
Pstpip1	0.254	0.412	0.02	0.971835042	14
Blk	0.549	0.824	0.219	1	14
Gm42418	-1.921	0.941	0.783	1	14
Gimap7	0.306	0.647	0.055	1	14
Chia1	-1.418	0.471	0.391	1	14
H2-Eb1	0.638	1	0.826	1	14
H2-T23	-0.904	0.412	0.196	1	14

Ptpn18	0.586	0.882	0.324	1	14
Irf8	-0.381	0.412	0.215	1	14
Runx3	-0.326	0.412	0.065	1	14
Nr4a1	0.327	1	0.374	1	14
Phgdh	0.495	0.412	0.049	1	14
Pgc	-1.352	1	0.781	1	14
Spib	-0.494	0.412	0.144	1	14
Dut	0.559	0.412	0.055	1	14
Rps29	0.670	1	0.937	1	14
Iglc1	-0.348	0.412	0.164	1	14
Ncf4	0.271	0.412	0.093	1	14
Cytip	-0.324	0.824	0.219	1	14
Tff1	-1.175	0.706	0.67	1	14
Igkc	0.370	1	0.775	1	14
Gm8369	0.764	0.765	0.245	1	14
Ebf1	-0.655	0.706	0.794	1	14
Msn	0.258	0.882	0.356	1	14
Gm10260	-0.808	0.471	0.241	1	14
H2-Ab1	0.480	1	0.816	1	14
Lars2	-0.740	0.471	0.296	1	14
Trac	-0.339	0.412	0.087	1	14
Rac2	0.426	0.882	0.419	1	14
Ptprc	-0.260	1	0.405	1	14
H2-Aa	0.364	1	0.957	1	14
Unc93b1	-0.709	0.471	0.204	1	14
Crip1	-1.123	0.588	0.441	1	14
Mef2c	0.265	1	0.53	1	14
Ddit4	-0.264	0.588	0.036	1	14
Hist1h4n	0.651	0.588	0.038	1	14
Ghrl	-1.205	1	0.381	1	14
Cd83	0.397	0.882	0.482	1	14
Cd19	-0.939	0.588	0.364	1	14
H2afz	-0.572	0.529	0.281	1	14
Samsn1	-0.501	0.176	0.059	1	14
1810010D01Rik	-0.925	0.647	0.109	1	14
Rpl17	0.790	1	0.652	1	14
Rpl23a	0.437	1	0.557	1	14
Apoe	-0.589	0.882	0.348	1	14
Tmsb10	0.338	1	0.897	1	14
Ly86	0.295	0.471	0.107	1	14
Ighm	-0.713	0.824	0.595	1	14
Tkt	0.410	0.471	0.095	1	14
Ehd4	0.311	0.471	0.028	1	14
Cd72	-0.281	0.529	0.237	1	14
Ighd	-1.078	1	0.421	1	14
Ly6d	0.945	0.471	0.101	1	14
Nfe2l2	-0.499	0.588	0.069	1	14
Cd79b	0.317	0.824	0.427	1	14
Psca	-0.339	0.588	0.296	1	14
Gimap6	-0.401	0.765	0.271	1	14

Neat1	-0.261	0.529	0.186	1	14
Prdx1	-0.424	0.588	0.306	1	14
Ckb	0.590	0.529	0.004	1	14
Klf2	-0.746	0.588	0.289	1	14
Ikzf3	-0.315	0.529	0.17	1	14
Ms4a1	-0.407	0.765	0.522	1	14
Gkn2	-0.553	0.765	0.294	1	14
Gstp1	-0.530	0.529	0.136	1	14
H2-K1	0.294	1	0.688	1	14
Napsa	0.377	0.529	0.188	1	14
Gpsm3	0.568	0.588	0.111	1	14
Arhgdib	-0.284	0.882	0.407	1	14
S100a11	-0.557	0.588	0.233	1	14
Iglc2	-0.335	0.941	0.468	1	14
Ptprcap	0.424	0.647	0.235	1	14
Srgn	-0.760	0.706	0.374	1	14
Rpl9-ps6	-0.473	1	0.623	1	14
Pecam1	-0.485	0.176	0.109	1	14
Basp1	-0.307	0.353	0.036	1	14
Lsp1	-0.276	0.588	0.221	1	14
Clic1	-0.525	0.588	0.198	1	14
Gkn1	-0.785	0.765	0.393	1	14
Hspa1a	1.061	0.529	0.115	1	14
Tagln2	0.259	0.588	0.168	1	14
Ucp2	-0.732	0.706	0.308	1	14
Cst3	-0.874	0.706	0.3	1	14
Hamp	-0.470	0.938	0.036	1.46E-71	15
Socs1	-0.270	1	0.088	2.58E-60	15
Gbp7	-0.299	1	0.104	7.84E-55	15
Ido1	-0.473	1	0.104	7.94E-55	15
Oasl1	-0.299	0.983	0.101	3.17E-54	15
Sprr1a	-0.444	0.835	0.055	6.90E-54	15
Dpcr1	0.431	0.136	0.036	1.53E-49	15
Gbp2	-0.379	1	0.127	1.02E-47	15
Ptgds	-0.622	0.92	0.088	8.39E-47	15
Nupr1	0.271	0.153	0.049	1.15E-44	15
Clca3a2	-0.600	0.994	0.136	2.42E-44	15
Gbp4	-0.669	1	0.14	6.15E-44	15
Smpd3	-0.300	0.994	0.136	1.12E-43	15
Serping1	-0.491	0.983	0.136	2.61E-43	15
Mpeg1	-0.300	0.96	0.133	3.60E-42	15
Isg15	-0.297	0.989	0.14	7.96E-42	15
Cd59a	0.285	0.17	0.016	8.42E-40	15
Itih4	-0.655	0.983	0.149	9.46E-40	15
Gm4951	-0.418	0.989	0.153	2.25E-39	15
Gm11361	-0.329	0.994	0.156	3.77E-39	15
Neurl3	-0.351	0.71	0.071	1.18E-36	15
Bex2	0.377	0.188	0.003	2.62E-36	15
Lypd8	0.555	0.869	0.062	4.29E-36	15
Ly6d	-0.577	0.983	0.172	2.58E-34	15

Icam1	-0.633	1	0.179	9.86E-34	15
Serpina3g	-0.865	1	0.185	3.46E-32	15
S100a6	-0.398	1	0.198	3.60E-31	15
Guca2b	-0.492	0.994	0.192	5.23E-30	15
Gbp2b	-0.732	1	0.195	6.00E-30	15
Cfi	-0.255	0.977	0.185	4.92E-29	15
Pnliprp2	-0.452	0.216	0.075	1.33E-27	15
Klf4	-0.300	0.983	0.205	2.07E-26	15
Mfge8	-0.448	1	0.214	2.40E-26	15
Cxcl10	-0.656	0.864	0.104	4.03E-26	15
Plk2	-0.257	0.955	0.182	4.81E-26	15
Guca2a	-0.519	0.886	0.13	1.59E-25	15
Spib	-0.670	0.466	0.036	6.61E-25	15
Rgs5	-1.429	0.881	0.179	1.87E-24	15
Gm20400	0.273	0.244	0.023	4.78E-24	15
Cxcl9	-1.308	0.818	0.162	6.18E-24	15
Ghrl	0.309	1	0.256	1.20E-23	15
Cxcl17	-0.504	0.994	0.231	5.40E-22	15
Snhg18	-0.304	0.869	0.13	7.53E-22	15
Slc9a3	-0.606	0.983	0.234	5.15E-21	15
Gclc	-0.256	0.915	0.179	2.05E-20	15
Serpinb9	-1.387	1	0.244	4.32E-20	15
Hes1	-0.259	0.983	0.24	6.26E-20	15
Pglyrp1	-0.852	0.972	0.227	7.23E-20	15
Cyba	-0.566	1	0.25	8.25E-20	15
Muc6	-0.410	1	0.253	2.80E-19	15
Klf2	-0.359	0.989	0.253	1.12E-18	15
Pmm1	0.469	0.949	0.273	5.55E-18	15
Irf1	-0.529	1	0.256	6.95E-18	15
Irf8	-0.410	1	0.26	1.54E-17	15
Tmem176b	-0.497	0.33	0.231	5.01E-17	15
H2-Eb1	-0.839	1	0.883	8.18E-17	15
Umod	-1.909	0.989	0.26	8.90E-17	15
Sprr2a3	-0.848	1	0.279	3.10E-16	15
Foxq1	-0.271	1	0.276	3.64E-16	15
Pga5	-0.383	0.886	0.192	7.55E-15	15
Reg3g	-0.400	0.517	0.104	1.54E-14	15
Ifi47	-0.691	1	0.282	1.11E-13	15
Cd74	-0.446	1	0.994	3.63E-13	15
2200002D01Rik	-0.571	0.824	0.146	5.70E-13	15
St3gal4	-0.295	0.864	0.188	1.35E-12	15
Ifi27l2a	-0.349	0.875	0.211	4.99E-12	15
H2-Ab1	-0.675	1	0.942	1.60E-11	15
Cd36	0.300	0.33	0.075	1.04E-10	15
Pdia2	-0.281	0.989	0.308	1.12E-10	15
Gstp2	0.260	0.347	0.192	1.97E-10	15
H2-Aa	-0.680	1	0.961	2.09E-10	15
Nr0b2	0.367	0.909	0.305	2.47E-10	15
Aldh3a1	0.252	0.455	0.01	3.09E-10	15
Gpx2	-0.263	0.398	0.344	6.86E-10	15

Oit1	-0.395	1	0.321	7.34E-10	15
Tff2	0.278	0.92	0.312	1.55E-08	15
Sox4	-0.437	1	0.331	2.17E-08	15
Prelid2	0.357	0.358	0.127	8.21E-08	15
Gkn1	1.284	0.79	0.263	1.03E-07	15
H2-K1	-0.296	1	0.961	2.00E-07	15
Tubb4b	0.280	0.92	0.357	2.33E-07	15
Plac8	-0.692	1	0.334	2.76E-07	15
Pigr	-1.025	1	0.74	3.25E-07	15
S100a13	-0.309	0.864	0.253	1.59E-06	15
Cym	-2.041	1	0.367	2.64E-06	15
Ifrd1	-0.273	0.875	0.269	2.84E-06	15
Papss2	-0.416	0.938	0.315	4.28E-06	15
Rps29	0.494	1	0.977	4.73E-06	15
Car8	0.255	0.369	0.058	6.89E-06	15
Smim6	-0.309	0.943	0.331	9.31E-06	15
Psmb8	-0.755	1	0.74	1.17E-05	15
Chia1	0.430	0.75	0.211	1.20E-05	15
AW112010	-1.838	1	0.354	3.48E-05	15
Mt2	-0.676	0.989	0.377	0.000102971	15
Wfdc2	-0.753	0.994	0.367	0.000199074	15
Spink4	-0.799	1	0.403	0.000440776	15
Gkn2	1.058	0.75	0.26	0.000780559	15
Rpl9-ps6	0.332	0.926	0.558	0.000816623	15
Pthlh	0.411	0.386	0.032	0.001209709	15
Clu	-1.357	0.898	0.679	0.002731335	15
mt-Nd3	-0.657	1	0.815	0.003042259	15
Ifitm3	-0.675	1	0.386	0.006444935	15
Gstp1	0.475	0.892	0.653	0.010791666	15
Hist1h1c	-0.255	0.869	0.321	0.010853912	15
Cox7a1	0.439	0.983	0.627	0.011704232	15
Prnp	-0.435	0.517	0.364	0.016666774	15
Clps	-0.603	1	0.851	0.020369975	15
Irgm1	-0.687	1	0.386	0.022383187	15
Tff1	0.996	0.812	0.5	0.043027791	15
H2-DMb1	-0.403	1	0.396	0.057677414	15
Pgc	-0.342	0.989	0.799	0.058843614	15
Sox9	-0.301	1	0.422	0.061730528	15
Gm11808	-0.409	1	0.399	0.063768901	15
Iigp1	-1.001	1	0.393	0.099359614	15
Gif	-0.740	0.506	0.269	0.100919164	15
H2-DMb2	-0.774	1	0.393	0.102666415	15
Irf7	-0.427	0.483	0.169	0.310928549	15
Cebpb	-0.304	0.483	0.159	0.539652238	15
Tuba1b	-0.252	0.506	0.211	0.710099616	15
Nfkbia	-0.545	0.852	0.318	0.770337868	15
Dmbt1	-1.366	1	0.412	1	15
Atp4a	0.543	1	0.951	1	15
Anxa10	-0.424	0.875	0.692	1	15
Ly6c1	-1.089	0.693	0.166	1	15

Lgals2	0.274	0.744	0.276	1	15
Gfpt1	-0.585	1	0.438	1	15
Wars	-0.992	0.852	0.338	1	15
Fabp5	-0.369	0.773	0.766	1	15
Marcksl1	-0.750	0.494	0.133	1	15
Tubb5	-0.254	0.58	0.286	1	15
Bpifb1	-1.002	1	0.688	1	15
Rnase1	-0.803	0.653	0.367	1	15
Ly6a	-2.123	1	0.607	1	15
Igtp	-0.790	1	0.451	1	15
Neat1	-0.682	1	0.597	1	15
Serpinb1a	-0.710	0.977	0.51	1	15
Ubd	-1.742	1	0.451	1	15
S100a1	-0.257	0.892	0.812	1	15
Glod5	0.294	0.631	0.231	1	15
S100a11	-0.672	1	0.487	1	15
Pdlim4	0.358	0.699	0.442	1	15
Atp5k	0.484	1	0.935	1	15
Ly6e	-0.660	1	0.584	1	15
2210407C18Rik	0.291	1	0.659	1	15
Gm42418	0.504	1	0.929	1	15
Abhd2	-0.295	0.994	0.555	1	15
Atf3	-0.341	0.835	0.425	1	15
Hspa1b	-0.343	1	0.555	1	15
Esd	0.394	0.557	0.377	1	15
Pcp4l1	0.312	0.511	0.097	1	15
Bst2	-0.471	0.807	0.39	1	15
Crip1	-0.605	1	0.539	1	15
Tpm1	-0.254	0.824	0.695	1	15
H2-DMa	-0.633	1	0.5	1	15
H2-T23	-0.700	1	0.5	1	15
Gm3839	0.446	0.54	0.133	1	15
Gm26825	-0.266	1	0.093	1.33E-25	16
Scgb2b7	0.789	0.124	0.013	2.62E-21	16
Cebpb	-0.258	1	0.213	2.55E-15	16
Sprr2a3	-0.354	1	0.253	2.29E-12	16
Bpifb1	0.679	1	0.427	9.93E-11	16
Cym	-2.936	1	0.36	1.16E-09	16
Fam13a	-0.596	1	0.28	2.17E-08	16
Lbh	-0.346	0.913	0.213	2.12E-07	16
AY036118	0.319	1	0.747	4.18E-07	16
Pgc	-0.336	1	1	1.27E-06	16
Hspa1a	-0.712	1	0.333	5.11E-06	16
mt-Nd3	-0.369	1	0.44	1.24E-05	16
Chka	-0.511	0.995	0.32	1.82E-05	16
Nr4a2	-0.387	0.997	0.333	0.000116706	16
Furin	-1.262	1	1	0.004272129	16
Tff2	-0.339	1	0.44	0.00564857	16
Gfpt1	-0.367	1	0.427	0.008200094	16
Sema7a	-0.307	1	0.36	0.012868457	16

Soat1	-0.543	0.966	0.48	0.762908901	16
Malat1	-1.953	1	0.987	1	16
Gif	-0.314	1	1	1	16
Hspa1b	-0.918	1	0.573	1	16
Atf3	-0.412	0.536	0.36	1	16
Lars2	-0.351	1	0.773	1	16
Necab1	-0.303	0.66	0.427	1	16
H2-K1	-0.337	1	0.733	1	16
Fam46c	-0.600	0.968	0.773	1	16
Derl3	-0.543	0.889	0.48	1	16
Pnliprp1	-0.445	0.971	0.56	1	16
Tff1	-0.584	1	0.773	1	16
Nupr1	-0.336	0.997	0.947	1	16
Fxyd6	-0.258	0.847	0.52	1	16
Gm26917	-1.119	1	0.787	1	16
Myc	-0.318	0.528	0.133	1	16
Klf2	-0.538	0.781	0.4	1	16
Cited2	-0.523	0.997	0.733	1	16
Pnliprp2	-0.258	1	0.893	1	16
Tcim	-0.712	0.855	0.667	1	16
C2cd4b	-0.509	0.72	0.493	1	16
Actb	-0.416	1	0.8	1	16
Neat1	-1.281	1	0.827	1	16
Chia1	-1.030	0.987	0.853	1	16
Rps15	-0.341	1	0.72	1	16
Nrn1	0.381	0.522	0.2	1	16
Gper1	-0.484	0.887	0.573	1	16
Pdia2	-0.912	1	0.773	1	16
Anpep	-0.409	0.939	0.68	1	16
Scgb2b7	-0.263	0.885	0.098	1.55E-22	18
Scgb2b20	-0.315	0.846	0.111	6.19E-22	18
Clca1	-0.410	0.827	0.117	1.82E-21	18
Igfbp5	1.031	0.981	0.188	1.06E-20	18
Duox2	-0.490	0.981	0.22	1.09E-11	18
Krt13	-0.276	0.635	0.098	8.23E-11	18
Fhl1	0.264	0.865	0.17	1.09E-10	18
Aldh1a3	-0.262	0.731	0.085	4.44E-09	18
Cd44	-0.299	1	0.252	5.21E-09	18
Gm20400	-0.340	0.308	0.133	7.30E-09	18
Sprr2a3	0.934	1	0.997	6.26E-08	18
Muc4	-0.252	1	0.276	8.19E-07	18
Gsdmc2	0.348	1	0.379	1.09E-06	18
Tstd1	-0.290	0.346	0.284	2.02E-06	18
Gkn3	-0.714	0.981	0.271	2.81E-06	18
Chil4	-0.886	1	0.308	6.03E-06	18
Bst2	0.269	0.942	0.366	0.000113934	18
Lypd8	0.818	0.962	0.488	0.000279633	18
Itln1	-0.370	1	0.347	0.000615795	18
Pmm1	0.414	0.865	0.345	0.001693838	18
Gpx2	0.868	1	0.968	0.006985174	18

Lgals2	0.453	0.981	0.836	0.011372892	18
A4gnt	-0.272	0.462	0.34	0.019523556	18
Pla2g1b	-0.648	1	0.989	0.019639256	18
2210407C18Rik	0.797	1	0.809	0.041440966	18
Irf1	-0.313	1	0.361	0.114201544	18
Ethe1	0.371	0.942	0.562	0.119822483	18
Pgc	-0.450	1	0.997	0.141537929	18
Gkn2	0.536	0.904	0.687	0.156713948	18
Gkn1	0.551	0.981	0.804	0.194145471	18
Rfk	0.329	0.981	0.706	0.199992566	18
Clps	-0.652	1	0.995	0.28859501	18
Nfkbia	0.280	0.962	0.525	0.354043134	18
Lgals4	0.474	0.923	0.472	0.443724015	18
Plac8	0.284	1	0.82	0.601621308	18
Clu	-0.279	1	0.997	0.926301409	18
Gfpt1	-0.425	1	0.902	0.926546158	18
H2afz	0.361	1	0.926	1	18
Malat1	-0.307	1	0.995	1	18
Tff1	0.440	0.923	0.912	1	18
Gsdma2	0.337	0.904	0.653	1	18
Psca	0.284	0.981	0.814	1	18
Agpat2	0.281	0.885	0.541	1	18
Mt1	-0.712	1	0.952	1	18
Sprr1a	-0.460	1	0.493	1	18
Hspa1b	-0.282	1	0.886	1	18
Cfi	-0.263	0.654	0.493	1	18
Lgals3	-0.346	1	0.517	1	18
Cxcl17	-0.271	0.827	0.666	1	18
Neat1	-0.261	1	0.939	1	18
Mfge8	-0.327	0.923	0.706	1	18
Muc6	-1.072	1	0.679	1	18
Tinagl1	-0.315	0.635	0.345	1	18
Gstm1	-0.291	0.788	0.674	1	18
F3	-0.251	0.365	0.101	1	18
Mt2	-0.543	0.731	0.533	1	18
Anxa10	0.252	1	0.981	1	18
S100a6	0.326	1	0.905	1	18
AY036118	-0.462	1	0.931	1	18
Tff2	-0.584	0.885	0.838	1	18
Nr4a1	-0.261	0.692	0.414	1	18
Dmbt1	0.367	1	0.735	1	18
Il33	-0.280	0.692	0.35	1	18
Emp1	-0.457	0.885	0.485	1	18
Gif	-0.579	0.654	0.279	1	18
Chka	-0.438	1	0.618	1	18
Gm42418	0.313	1	1	1	18
Sox9	-0.396	0.942	0.61	1	18
S100a13	-0.270	1	0.65	1	18
Snhg18	-0.262	0.769	0.39	1	18
Sox4	-0.399	0.942	0.631	1	18

Pga5	-0.339	0.827	0.477	1	18
Krt7	-0.391	0.673	0.26	1	18
Gadd45g	-0.331	0.865	0.499	1	18
Fcer1a	0.395	0.827	0.009	5.68E-63	19
Il6	0.288	0.853	0.018	1.05E-60	19
1810011H11Rik	0.311	0.8	0.018	6.95E-56	19
Mcpt2	1.387	0.893	0.012	1.57E-54	19
Cxcl13	0.311	0.96	0.051	3.22E-53	19
Il1rl1	0.258	0.867	0.018	7.77E-52	19
Gbp2b	-0.350	1	0.069	3.58E-51	19
Retnla	-1.474	0.813	0.03	4.87E-51	19
Cma1	1.893	0.84	0.009	5.61E-51	19
Tnfsf9	0.351	0.8	0.03	4.47E-50	19
Cst7	0.292	0.853	0.042	1.04E-49	19
Ubd	-0.363	1	0.075	5.95E-49	19
Tpsab1	1.567	0.84	0.009	1.37E-48	19
Ndrg1	-0.273	0.987	0.069	3.29E-48	19
Sell	-0.255	1	0.078	5.69E-48	19
Mcpt1	1.418	0.893	0.03	2.44E-47	19
Rflnb	-0.283	0.947	0.051	1.07E-45	19
Mki67	-0.290	0.92	0.063	7.29E-45	19
Thbs1	-0.391	0.96	0.063	1.85E-44	19
Igtp	-0.281	0.987	0.081	3.37E-44	19
Igha	-0.392	1	0.09	8.48E-44	19
Spink4	-0.262	0.96	0.069	1.86E-42	19
Rfk	0.387	0.933	0.057	7.69E-42	19
Asprv1	-0.332	0.653	0.021	4.48E-41	19
Gm15056	-0.591	0.76	0.045	2.80E-40	19
Serpinb6b	-0.338	0.773	0.048	2.84E-40	19
Serpina3g	-0.278	1	0.102	4.81E-40	19
Pglyrp1	-0.495	0.973	0.087	1.16E-39	19
Igkc	-0.467	1	0.105	2.82E-39	19
Il12b	-0.584	0.733	0.042	3.21E-39	19
AA467197	-0.300	0.893	0.042	7.40E-39	19
Trac	-0.428	0.813	0.06	2.19E-37	19
Tmem119	0.516	0.8	0.069	6.47E-37	19
Pstpip1	0.259	0.867	0.069	2.90E-36	19
Wars	-0.258	0.973	0.099	4.33E-36	19
Ly6c1	-0.424	0.973	0.105	4.87E-36	19
Trbv1	-0.252	0.92	0.096	5.51E-36	19
Hdc	0.522	0.813	0.066	7.44E-36	19
Klrk1	-0.257	0.813	0.063	1.05E-34	19
Lat	0.486	0.173	0.006	4.70E-34	19
Hyal2	0.278	0.173	0	2.00E-32	19
Spib	-0.390	0.747	0.045	1.07E-31	19
Krt19	-0.271	0.973	0.12	5.03E-31	19
Arg1	-0.250	0.747	0.042	7.11E-31	19
Fn1	0.518	0.973	0.133	4.26E-30	19
Slc2a6	0.346	0.733	0.033	1.61E-29	19
Tnip3	-0.327	0.84	0.102	2.70E-29	19

Il1r2	0.335	0.8	0.057	3.44E-29	19
Ogfrl1	-0.330	0.987	0.142	4.16E-29	19
Ltb	-0.373	0.987	0.145	5.03E-29	19
Slc40a1	0.382	0.12	0.012	5.57E-29	19
Il7r	-0.301	0.773	0.057	1.24E-28	19
Ifitm6	-0.429	0.827	0.105	4.52E-28	19
Clec9a	-0.470	0.747	0.081	6.42E-28	19
Ccl5	-0.572	0.987	0.154	9.67E-28	19
Klk8	0.375	0.12	0.015	1.17E-27	19
Car2	-0.358	0.96	0.13	7.72E-27	19
Pilra	0.512	0.813	0.114	1.13E-26	19
S100a10	0.398	0.96	0.163	2.21E-26	19
Lag3	-0.332	0.12	0.075	3.19E-26	19
Ly6a	-0.263	1	0.16	5.38E-26	19
Id3	0.290	0.907	0.102	1.18E-25	19
Cd8a	-0.314	0.56	0.042	1.19E-25	19
Cd300ld	0.270	0.12	0.042	1.21E-25	19
Creld2	0.306	0.893	0.09	1.40E-25	19
Hcar2	-0.282	0.133	0.054	1.54E-25	19
Tpm1	0.296	0.907	0.105	3.45E-25	19
Gfpt1	-0.424	1	0.166	4.57E-25	19
Agr2	-0.271	1	0.172	4.83E-24	19
Csf3r	0.479	0.813	0.12	6.76E-24	19
Gm26825	0.255	0.88	0.087	8.34E-24	19
I830077J02Rik	-0.279	0.787	0.111	9.72E-24	19
Mcemp1	-0.274	0.827	0.123	9.73E-24	19
Epsti1	-0.350	0.933	0.139	7.28E-23	19
Atp4a	-0.288	0.92	0.123	1.03E-22	19
Cd69	-0.426	0.84	0.102	1.40E-22	19
Tnni3	-0.281	0.227	0.048	1.45E-22	19
Far1	-0.432	0.973	0.163	1.93E-22	19
Ptgs1	-0.258	0.147	0.06	4.05E-22	19
Slpi	0.404	0.173	0.081	4.59E-22	19
Il2rg	0.266	0.96	0.166	8.35E-22	19
Rnase6	-0.471	0.88	0.142	1.35E-21	19
Cxcl9	-0.575	1	0.187	1.57E-21	19
Smim24	0.355	0.813	0.075	1.15E-20	19
Saa3	-1.455	0.133	0.045	1.39E-20	19
Serpine2	0.376	0.16	0.006	3.02E-20	19
Slbp	-0.264	0.24	0.111	2.65E-19	19
Ly6c2	-0.864	0.907	0.172	9.52E-19	19
Nr4a3	-0.310	0.907	0.172	2.28E-18	19
Folr2	0.431	0.173	0	4.33E-18	19
Fcna	0.495	0.173	0.027	7.22E-18	19
Muc6	-0.371	1	0.205	8.01E-18	19
Ccl7	0.849	0.187	0.033	8.76E-18	19
Pla2g2d	0.425	0.187	0.054	1.01E-17	19
Flt3	-0.509	0.747	0.133	5.41E-17	19
Ckmt1	0.517	0.267	0.027	1.15E-16	19
Cxcl14	0.337	0.173	0.012	1.33E-16	19

Tipin	0.364	0.267	0.042	2.31E-16	19
Ccl8	-0.986	0.947	0.205	3.66E-16	19
Csf2rb2	-0.288	0.84	0.166	4.58E-16	19
S100a4	-0.327	0.973	0.217	1.03E-15	19
Ccl12	0.527	0.187	0.054	1.41E-15	19
Adgrg5	-0.556	0.773	0.142	3.32E-15	19
Me2	-0.286	0.84	0.111	3.52E-14	19
Edem1	-0.297	0.907	0.169	4.66E-14	19
Fgl2	-0.360	0.973	0.223	5.53E-14	19
Wdfy4	-0.716	0.267	0.193	8.83E-14	19
Capg	0.466	0.84	0.133	1.04E-13	19
Cpa3	0.596	0.253	0.009	1.16E-13	19
Sprr2a3	-0.550	1	0.238	1.22E-13	19
Fxyd2	0.311	0.24	0.021	1.94E-13	19
Ncf2	0.369	0.92	0.256	3.91E-13	19
Hist1h2ap	-0.466	0.293	0.063	6.01E-13	19
Lyz1	0.597	0.613	0.021	1.63E-12	19
Gsr	-0.255	0.893	0.172	1.65E-12	19
Anxa1	-0.706	0.88	0.181	6.38E-12	19
Cbr2	0.325	0.227	0.006	1.14E-11	19
H2-DMb2	0.346	1	0.313	2.44E-11	19
Sla	-0.369	0.893	0.223	4.04E-11	19
Spp1	0.301	0.293	0.093	5.36E-11	19
Pkib	-0.446	0.24	0.175	5.83E-11	19
Oasl1	0.320	0.307	0.054	7.19E-11	19
Pik3r5	-0.284	0.28	0.142	8.61E-11	19
Irf1	-0.400	0.893	0.19	2.47E-10	19
Ccl2	1.170	0.28	0.09	2.65E-10	19
Iglc3	-0.260	0.347	0.033	5.01E-10	19
Samsn1	-0.493	0.8	0.187	5.09E-10	19
Cks2	-0.310	0.773	0.09	1.40E-09	19
Ifi203	-0.326	0.293	0.181	1.67E-09	19
Cym	-0.654	1	0.28	2.20E-09	19
Nr4a2	-0.614	0.933	0.232	2.81E-09	19
mt-Nd3	-0.658	0.987	0.265	3.03E-09	19
Gkn3	-0.405	0.747	0.069	3.85E-09	19
Fcgr4	-0.428	0.76	0.175	3.98E-09	19
Gif	0.454	0.853	0.19	5.29E-09	19
Pla2g7	0.361	0.853	0.283	7.03E-09	19
Hmgn2	-0.517	0.333	0.181	7.21E-09	19
Gstp1	0.334	0.867	0.214	8.95E-09	19
Ube2s	-0.298	0.867	0.187	1.29E-08	19
Dnase1l3	-0.518	0.8	0.214	1.61E-08	19
Emp3	0.595	0.96	0.334	1.94E-08	19
Lmo2	-0.288	0.307	0.123	3.44E-08	19
Hes1	-0.289	0.733	0.066	3.63E-08	19
Clec12a	-0.296	0.827	0.238	3.92E-08	19
Gngt2	0.465	0.84	0.262	4.36E-08	19
Gadd45b	0.375	0.92	0.286	2.20E-07	19
Nupr1	0.313	0.773	0.13	2.39E-07	19

Vcam1	-0.295	0.76	0.172	4.48E-07	19
Ppt1	-0.348	0.987	0.307	4.87E-07	19
Zfp36l2	0.335	1	0.38	9.00E-07	19
Cd300ld3	0.372	0.253	0.036	1.66E-06	19
Osm	-0.253	0.84	0.265	1.91E-06	19
Ncf4	0.332	0.827	0.286	3.00E-06	19
Cd200	-0.308	0.44	0.066	7.96E-06	19
Tnfaip2	-0.493	0.787	0.217	9.63E-06	19
Mafb	0.579	0.84	0.334	1.01E-05	19
Dnajb1	0.412	0.36	0.187	1.28E-05	19
Gm3839	0.302	0.36	0.072	1.89E-05	19
Arhgdib	0.293	0.96	0.419	2.51E-05	19
Hpgd	0.292	0.36	0.006	3.79E-05	19
Bcl2a1b	0.382	0.92	0.364	4.60E-05	19
Pde4b	0.521	0.96	0.383	5.38E-05	19
Cnn2	-0.271	0.907	0.304	5.47E-05	19
AW112010	0.372	1	0.419	6.27E-05	19
Naaa	-0.772	0.813	0.241	9.96E-05	19
Ccl24	-0.263	0.293	0.114	0.000133893	19
Vim	0.731	0.987	0.488	0.000169797	19
Cebpd	0.351	0.373	0.072	0.00026971	19
Fxyd5	0.523	1	0.497	0.000346285	19
Hck	-0.303	0.72	0.205	0.000365518	19
Tph1	0.974	0.133	0.012	0.00046318	19
Ghrl	0.393	1	0.377	0.000562579	19
Fcgr2b	0.256	0.84	0.389	0.000823566	19
Il1rn	-0.295	0.813	0.286	0.001519783	19
Cd300c2	0.401	0.84	0.373	0.001980299	19
Runx3	-0.273	0.92	0.343	0.002151491	19
Aif1	0.512	0.853	0.416	0.002152196	19
Pf4	-0.260	0.307	0.045	0.002361754	19
Ifrd1	0.272	0.933	0.401	0.002775825	19
Icam1	-0.336	0.427	0.217	0.003855041	19
Cdkn1a	0.355	0.933	0.401	0.004629506	19
Tnfaip3	-0.268	0.88	0.307	0.008980773	19
Cd8b1	-0.405	0.187	0.039	0.022035359	19
Hspa1b	-0.280	1	0.41	0.024099685	19
Gm26917	-0.585	1	0.398	0.024624871	19
Basp1	0.297	0.867	0.352	0.033228579	19
Cd74	1.315	1	0.88	0.034681246	19
Hpgds	0.653	0.36	0.087	0.038378026	19
Ucp2	0.528	0.96	0.66	0.040087854	19
Tmem176b	0.381	0.867	0.389	0.054008121	19
Ctss	0.478	0.987	0.669	0.059841487	19
Lgals3	0.336	0.907	0.431	0.064486826	19
Srgn	0.745	0.907	0.654	0.089177521	19
Ccr2	-0.299	0.853	0.334	0.09763748	19
H2-DMa	0.488	1	0.584	0.133057918	19
Itgax	-0.577	0.8	0.307	0.251357195	19
Fam46c	-0.270	0.773	0.22	0.302788405	19

Selplg	-0.322	0.427	0.289	0.31407719	19
Irf8	-0.407	0.987	0.41	0.31885346	19
Ms4a4a	0.476	0.587	0.117	0.381551314	19
Lsp1	-0.587	0.867	0.352	0.442883342	19
Tgfbi	0.302	0.813	0.419	0.510650792	19
Plac8	-1.305	1	0.392	0.630262979	19
H2-Aa	1.133	1	0.849	0.735740238	19
Cd53	-0.253	0.947	0.398	0.743720763	19
Lgals2	-0.328	0.453	0.142	0.808044318	19
Adgre1	-0.627	0.387	0.172	1	19
Tnfsf13	0.325	0.36	0.054	1	19
H2-Eb1	1.068	1	0.819	1	19
C1qb	-0.340	0.827	0.343	1	19
Ighm	-0.452	0.48	0.196	1	19
Irf7	0.257	0.467	0.163	1	19
Rpl9-ps6	0.375	0.907	0.569	1	19
Malat1	-0.383	1	0.97	1	19
S100a6	0.412	1	0.488	1	19
Lilrb4a	-0.258	0.453	0.148	1	19
Tmem176a	0.259	0.8	0.349	1	19
H2-Ab1	0.999	1	0.822	1	19
C1qc	-0.372	0.813	0.352	1	19
Il1b	0.847	0.867	0.545	1	19
Ly86	0.277	0.68	0.316	1	19
Bst2	-0.419	0.8	0.307	1	19
Zfp36	0.494	0.867	0.684	1	19
Rgs10	0.437	0.747	0.331	1	19
Rps29	0.259	1	0.925	1	19
Clps	-0.344	1	0.807	1	19
Igfbp4	0.566	0.573	0.042	1	19
Fabp5	-0.361	0.68	0.166	1	19
Id2	-0.380	0.973	0.464	1	19
Gkn2	0.374	0.747	0.289	1	19
Apoe	-0.321	0.947	0.539	1	19
Ms4a7	0.344	0.613	0.193	1	19
Ier3	0.771	0.733	0.337	1	19
Prr13	-0.351	0.613	0.373	1	19
AY036118	-0.428	1	0.563	1	19
Nfkbia	0.393	0.8	0.536	1	19
C1qa	-0.292	0.827	0.38	1	19
Cd52	0.270	1	0.663	1	19
Neat1	-0.291	0.933	0.503	1	19
Tnf	0.297	0.56	0.096	1	19
Birc5	-0.255	0.28	0.048	1	19
Limd2	0.317	0.68	0.265	1	19
Atf3	-0.307	0.653	0.476	1	19
Coro1a	0.260	0.867	0.548	1	19
Mpeg1	-0.380	0.893	0.515	1	19
Gkn1	0.270	0.773	0.404	1	19
Gm26532	1.031	0.533	0.229	1	19

H2-K1	0.392	1	0.858	1	19
Trem2	-0.341	0.44	0.099	1	19
Spi1	0.320	0.667	0.47	1	19
Ptprc	-0.284	1	0.596	1	19
Tff1	0.313	0.907	0.657	1	19
Hmgb2	-0.862	0.72	0.289	1	19
Sirpa	-0.382	0.707	0.413	1	19
Lgmn	-0.289	0.773	0.407	1	19
Lrg1	-0.524	0.52	0.051	1	19
Stmn1	-0.495	0.547	0.066	1	19
Actb	-0.270	0.96	0.952	1	19
Rps2	-0.636	0.947	0.566	1	19
Chgb	-0.282	0.885	0.004	3.06E-63	20
Sst	0.390	0.969	0.052	3.14E-48	20
Parm1	-0.291	1	0.081	1.12E-45	20
Olfm4	-0.278	0.969	0.1	3.38E-38	20
Muc4	-0.323	0.948	0.096	1.19E-37	20
Fam13a	-0.435	0.99	0.114	4.60E-35	20
Igkc	-0.347	1	0.133	2.55E-32	20
Chil4	-0.603	0.708	0.052	6.41E-32	20
Cd177	-1.014	0.917	0.111	6.76E-32	20
Scgb2b20	-1.063	0.948	0.118	3.33E-31	20
Col18a1	-0.253	1	0.151	2.64E-28	20
Pgc	1.186	1	0.915	2.18E-26	20
H2-DMb2	0.430	1	0.214	2.90E-25	20
Mt3	0.341	0.958	0.159	2.90E-25	20
Hist1h4n	-0.255	1	0.17	5.42E-25	20
Plet1	-0.270	0.927	0.122	1.60E-24	20
C3	-0.358	0.771	0.111	1.27E-22	20
Bdh2	-0.367	1	0.185	4.78E-22	20
Cym	-1.943	1	0.196	5.18E-22	20
Nme2	0.989	0.99	0.45	1.78E-21	20
Sprr2a1	-0.300	1	0.188	2.31E-21	20
Itln1	-0.490	0.979	0.188	6.59E-21	20
Iigp1	-0.605	1	0.196	2.77E-20	20
Rnase4	-0.374	0.792	0.122	2.26E-19	20
Dmbt1	-0.760	1	0.21	7.95E-18	20
Thbs1	-0.474	0.948	0.181	1.98E-17	20
Ier3	-0.257	0.26	0.118	7.14E-17	20
Plac8	-0.304	1	0.225	4.28E-16	20
Cebpd	-0.365	0.271	0.185	8.47E-16	20
Gjb1	-0.306	0.281	0.225	1.09E-15	20
Rpl9-ps6	0.652	0.99	0.387	7.00E-15	20
Ceacam10	-0.450	0.635	0.114	1.77E-14	20
Anxa1	-0.364	0.948	0.199	2.17E-14	20
Chit1	-0.461	1	0.244	4.08E-13	20
Cftr	-0.641	1	0.251	1.40E-12	20
Smpd3	-0.490	0.323	0.229	3.06E-12	20
Phlda1	-0.479	1	0.266	6.98E-12	20
Gstp1	0.475	0.99	0.413	8.48E-12	20

Ttr	0.287	0.823	0.148	2.52E-11	20
Lrg1	-0.762	0.958	0.251	4.31E-11	20
Reg3g	-1.306	1	0.262	4.87E-11	20
Malat1	-1.279	1	0.959	7.03E-11	20
Smoc2	-0.484	0.927	0.214	9.60E-11	20
Abhd2	-0.372	0.969	0.247	1.35E-10	20
Pigr	-0.644	1	0.937	3.91E-10	20
Car8	-0.576	1	0.273	6.50E-10	20
Id1	-0.347	0.958	0.262	2.44E-09	20
Hmgcs1	-0.396	1	0.303	8.95E-09	20
Tff2	-0.727	1	0.889	1.22E-08	20
Tmem213	-0.496	1	0.292	1.82E-08	20
Ghrl	-0.450	1	0.306	1.95E-08	20
Hist1h1c	-0.296	1	0.31	3.60E-08	20
AY036118	0.512	1	0.461	3.63E-08	20
Col11a2	-0.293	1	0.314	2.83E-07	20
Gm11361	-0.376	0.823	0.162	3.38E-07	20
Cd44	-0.341	0.979	0.299	7.21E-07	20
Cldn2	-0.488	1	0.306	7.50E-07	20
Pla2g1b	0.289	0.99	0.815	8.45E-07	20
Gkn3	-1.083	0.885	0.863	1.06E-06	20
Tstd1	0.300	0.958	0.417	1.69E-06	20
Pgd	-0.382	0.885	0.232	3.22E-06	20
St3gal4	-0.419	1	0.314	6.35E-06	20
2210407C18Rik	-0.493	1	0.325	1.07E-05	20
Tmem54	-0.290	0.958	0.295	1.08E-05	20
Adm	-0.272	0.312	0.114	1.46E-05	20
Mfge8	-1.029	0.979	0.738	4.95E-05	20
Sprr2a3	-2.241	1	0.727	6.60E-05	20
Fkbp11	0.307	0.99	0.528	0.000124571	20
Cotl1	-0.348	0.417	0.203	0.000196942	20
Hspa1a	-0.394	0.99	0.376	0.000471589	20
Fgfbp1	0.281	0.729	0.148	0.000874976	20
Itih5	-0.447	0.344	0.092	0.000929444	20
Chga	-0.255	0.656	0.03	0.001064929	20
Ptpn18	-0.269	0.802	0.196	0.001430884	20
Agr2	0.293	1	0.985	0.00207833	20
Ddit4	-0.291	0.76	0.155	0.002770615	20
Scgb2b7	-1.752	0.917	0.292	0.004715939	20
Clu	-0.654	1	0.934	0.004853849	20
Bpifb1	-1.724	1	0.786	0.005976544	20
Id3	-0.385	1	0.391	0.006189537	20
Hspa1b	-0.382	1	0.432	0.012422521	20
Msmo1	-0.387	0.917	0.328	0.014940237	20
Far1	-0.288	0.948	0.362	0.022874798	20
Insig1	-0.263	1	0.417	0.06362625	20
Ctse	-0.634	1	0.705	0.065869086	20
Spink4	-2.924	1	0.664	0.074438777	20
Sox4	-0.353	0.938	0.373	0.081338383	20
S100a6	-1.198	1	0.38	0.168411785	20

Car2	-0.747	0.99	0.804	0.200351317	20
Pdia2	-0.690	0.958	0.376	0.669015791	20
C4b	-0.768	1	0.391	0.899469656	20
Mlph	-0.392	0.885	0.328	0.92596301	20
Tff1	-1.187	1	0.771	0.99600223	20
Edn1	-0.347	0.698	0.144	1	20
Pglyrp1	-0.796	1	0.679	1	20
Wfdc2	-0.804	1	0.734	1	20
Gadd45g	-0.461	1	0.469	1	20
AW112010	-0.756	1	0.402	1	20
mt-Nd3	-0.917	1	0.653	1	20
Tpm1	-0.534	0.625	0.399	1	20
Neat1	-0.759	1	0.812	1	20
Tmed3	-0.587	0.99	0.734	1	20
Me1	-0.748	1	0.41	1	20
Nupr1	-1.135	0.896	0.38	1	20
Cldn7	-0.354	0.635	0.177	1	20
Igf1	0.313	0.573	0.015	1	20
Ifrd1	-0.269	0.75	0.255	1	20
Aqp5	-0.598	1	0.668	1	20
Tmed6	-0.257	0.802	0.325	1	20
Chad	-0.308	0.99	0.498	1	20
Ces1f	-0.390	0.719	0.214	1	20
S100a1	-0.565	1	0.745	1	20
Ctsl	-0.363	0.698	0.476	1	20
Chia1	-0.410	0.771	0.31	1	20
Gkn1	-1.404	0.865	0.601	1	20
S100a13	-0.527	1	0.491	1	20
Ifitm3	-0.537	1	0.498	1	20
Pam	-0.796	0.927	0.417	1	20
Gcnt3	-0.530	0.865	0.557	1	20
Krt8	-0.434	1	0.815	1	20
Hes1	-0.351	0.844	0.432	1	20
Gpx2	-0.378	1	0.738	1	20
AA467197	-0.381	0.312	0.181	1	20
Gsto1	-0.441	0.99	0.638	1	20
Hgfac	-0.833	0.979	0.472	1	20
Tesc	-0.364	0.719	0.402	1	20
Nfe2l2	-0.382	0.698	0.362	1	20
Rps2	-0.411	1	0.72	1	20
Cyba	-0.386	0.729	0.284	1	20
H2afz	-0.422	0.969	0.675	1	20
Gkn2	-1.072	0.76	0.432	1	20
Ggh	-0.431	0.948	0.587	1	20
Id2	-0.465	1	0.546	1	20
Snhg18	-0.527	0.99	0.638	1	20
Wfdc18	-1.607	1	0.491	1	20
Cxcl17	-0.492	1	0.535	1	20
Anpep	-0.336	0.781	0.399	1	20
Rps15	-0.264	1	0.76	1	20

Psca	-0.512	0.708	0.303	1	20
Clic1	-0.454	0.833	0.476	1	20
Ifi27l2b	-0.350	0.604	0.151	1	20
Galnt6	-0.795	1	0.498	1	20
Chka	-0.581	0.708	0.358	1	20
Klk1	-0.820	0.979	0.55	1	20
Nfkbia	-0.290	0.646	0.277	1	20
Rpl17	-0.250	1	0.705	1	20
Mgst2	-0.519	1	0.55	1	20
Cgref1	-0.512	1	0.616	1	20
Golm1	-0.354	0.99	0.701	1	20
Prr13	-0.352	1	0.583	1	20
Bace2	-0.332	0.938	0.587	1	20
Mgst3	-0.448	0.792	0.421	1	20
Muc6	-0.308	1	0.993	1	20
Top2a	-0.278	0.996	0.038	1.35E-46	21
Dmbt1	-0.290	0.996	0.045	1.95E-45	21
Jchain	-0.401	0.991	0.061	6.70E-42	21
Pigr	-0.256	1	0.076	1.44E-39	21
Gkn3	-0.415	1	0.076	1.49E-39	21
Trbc1	-0.323	0.862	0.023	7.28E-39	21
Ctse	-0.386	1	0.083	3.62E-38	21
Cxcl9	-0.635	0.957	0.068	5.98E-38	21
Igkc	-0.357	0.966	0.076	7.82E-37	21
Serpina3g	-0.346	0.991	0.091	6.18E-36	21
Muc6	-0.290	1	0.098	2.62E-35	21
AA467197	-0.315	0.823	0.023	6.82E-35	21
Gast	-0.287	0.884	0.053	7.65E-35	21
Il4i1	-0.301	0.823	0.038	4.13E-33	21
Prelid2	-0.250	0.129	0.061	4.10E-31	21
Csf2rb	-0.470	0.802	0.045	2.88E-30	21
Iigp1	-0.330	1	0.129	6.10E-30	21
Colq	-0.259	0.815	0.053	6.88E-30	21
Srgn	-0.386	0.914	0.083	2.36E-29	21
H2-Eb1	-0.547	1	0.136	1.37E-28	21
Nr4a3	-0.251	0.879	0.061	1.90E-28	21
Ubd	-0.668	1	0.136	1.98E-28	21
Igtp	-0.339	0.983	0.129	1.58E-27	21
Cxcl5	-0.791	0.815	0.068	2.06E-27	21
Serpina1b	-0.569	0.853	0.083	3.37E-27	21
Soat1	-0.276	0.155	0.053	6.02E-27	21
Fabp3	0.292	0.151	0.008	1.34E-26	21
Lgals4	-0.281	0.892	0.061	1.36E-24	21
Cpe	-0.508	0.884	0.053	2.06E-24	21
Pla2g10	-0.272	0.888	0.068	2.79E-23	21
Ptch1	0.273	0.927	0.144	1.02E-22	21
G0s2	-0.335	0.155	0.106	1.37E-21	21
Nr4a2	-0.637	0.987	0.174	3.12E-21	21
Cilp	-0.660	0.853	0.129	9.18E-21	21
Gm26825	-0.491	0.694	0.053	2.59E-20	21

Gm3336	-0.369	0.849	0.061	3.34E-20	21
Cxcl13	-1.117	0.866	0.098	1.25E-19	21
Gm11808	-0.267	0.909	0.121	4.93E-19	21
Il6	-0.680	0.728	0.083	5.46E-19	21
Cotl1	-0.455	0.966	0.174	8.19E-19	21
Has1	-0.371	0.836	0.144	2.74E-18	21
Ccl19	-0.287	0.746	0.053	3.68E-18	21
Sulf1	-0.497	0.909	0.182	4.86E-17	21
Ckmt1	-0.256	0.228	0.045	1.31E-16	21
Agr2	-0.493	0.931	0.167	5.62E-16	21
H2-Aa	-0.371	1	0.227	7.45E-16	21
Tmem189	-0.594	0.634	0.076	3.12E-15	21
Gas7	-0.274	0.858	0.136	7.23E-15	21
Nsg1	0.260	0.207	0.038	3.88E-14	21
Cym	-0.640	1	0.242	4.44E-14	21
Tnfaip6	-0.743	0.905	0.205	5.18E-14	21
Gfpt2	-0.352	0.845	0.189	3.26E-13	21
Krt8	-1.145	0.991	0.242	3.94E-13	21
Hmox1	-0.356	0.267	0.083	4.03E-13	21
Gfra2	-0.529	0.845	0.189	4.76E-13	21
2200002D01Rik	-0.330	0.612	0.061	9.53E-13	21
Ltf	-0.735	0.405	0.008	1.06E-12	21
Clu	-1.355	1	0.265	2.35E-12	21
Grem1	-1.197	0.849	0.136	2.61E-12	21
Gbp4	-0.342	0.828	0.098	2.82E-12	21
Anxa10	-0.461	0.853	0.129	4.63E-12	21
Lypd8	-0.652	0.845	0.121	6.87E-12	21
Pi16	-0.710	0.263	0.273	1.06E-11	21
Wars	-0.273	0.28	0.076	1.74E-11	21
Dclk1	-0.302	0.901	0.197	2.57E-11	21
Maf	-0.456	0.836	0.159	6.55E-11	21
Col5a3	-0.423	0.858	0.22	8.61E-11	21
Usp50	-0.429	0.582	0.068	1.31E-10	21
Gm3776	-0.476	0.272	0.053	1.35E-10	21
Chl1	-0.758	0.776	0.121	1.68E-10	21
Krt19	-1.240	0.922	0.212	4.32E-10	21
Adgrd1	-0.331	0.793	0.129	4.74E-10	21
Osr1	-0.281	0.293	0.144	6.31E-10	21
Gm26917	-0.387	1	0.288	7.85E-10	21
Col8a1	-0.865	0.836	0.205	8.64E-10	21
Sfrp4	-0.252	0.741	0.076	1.13E-09	21
Cpxm1	-0.573	0.845	0.182	1.16E-09	21
Ccl7	-1.094	0.845	0.212	1.47E-09	21
Cav1	-0.392	0.31	0.136	2.89E-09	21
Tnfaip2	-0.411	0.853	0.235	4.72E-09	21
Il33	-0.511	0.866	0.197	4.90E-09	21
Cbr3	-0.315	0.315	0.106	5.97E-09	21
2210407C18Rik	-0.845	0.957	0.265	1.08E-08	21
Rarres1	0.320	0.224	0.023	2.98E-08	21
Sprr2a1	-0.308	0.526	0.045	8.84E-08	21

Ebf1	-0.716	0.828	0.167	1.12E-07	21
Sox4	-0.262	0.845	0.182	1.84E-07	21
Gbp2b	-0.268	0.776	0.106	5.93E-07	21
Car2	-0.872	0.918	0.25	1.04E-06	21
Igfbp6	-0.443	0.397	0.326	1.36E-06	21
Sod3	-0.880	0.483	0.417	1.54E-06	21
Gm3839	0.426	0.319	0.045	2.07E-06	21
Pim1	-0.458	0.841	0.205	2.14E-06	21
Degs2	-0.250	0.56	0.053	2.68E-06	21
Mfap5	-0.391	0.353	0.189	2.99E-06	21
Sprr2a3	-0.958	1	0.318	3.76E-06	21
Pga5	-0.648	0.703	0.038	4.26E-06	21
Lbh	-0.452	0.832	0.182	5.49E-06	21
Gxylt2	-0.432	0.711	0.144	6.70E-06	21
Sptssb	-0.559	0.763	0.106	6.86E-06	21
Pttg1	-0.271	0.185	0.038	6.86E-06	21
Plk2	0.259	0.711	0.045	9.66E-06	21
Slit3	-0.409	0.349	0.182	1.14E-05	21
mt-Nd3	-0.708	0.991	0.326	1.30E-05	21
Hes1	-0.297	0.832	0.197	1.69E-05	21
Gas1	-0.443	0.849	0.28	1.75E-05	21
Plat	-0.366	0.836	0.227	3.40E-05	21
Gm12840	-0.283	0.591	0.038	7.82E-05	21
Adam23	-0.336	0.28	0.045	0.00014502	21
Vcam1	-0.811	0.815	0.25	0.000235533	21
Eln	-1.148	0.547	0.462	0.000327338	21
Ctrb1	-0.551	0.164	0.008	0.000358006	21
Edem1	-0.279	0.754	0.129	0.000411014	21
9130204L05Rik	-0.536	0.435	0.068	0.000411706	21
Gadd45b	-0.335	0.414	0.212	0.000439412	21
Bace2	-0.427	0.379	0.098	0.000838498	21
Ccdc34	-0.328	0.379	0.098	0.000843148	21
Timp1	-1.103	0.763	0.174	0.001100023	21
Ogfrl1	-0.286	0.379	0.091	0.001271502	21
Hmgb2	-0.381	0.746	0.129	0.001952895	21
Vsig1	-0.715	0.392	0.106	0.002971669	21
Thy1	-0.340	0.371	0.091	0.002988953	21
Serpine1	-0.286	0.685	0.159	0.00364542	21
Svep1	-0.372	0.388	0.258	0.004019456	21
Lgals2	-1.148	0.823	0.22	0.004276763	21
Cd34	-0.271	0.435	0.28	0.005960262	21
Mgll	0.367	0.685	0.098	0.008271663	21
Sfrp2	-0.870	0.315	0.076	0.015482572	21
Slpi	0.548	0.151	0.008	0.026673435	21
Ereg	0.472	0.586	0.091	0.029181975	21
Cxcl1	-0.475	0.759	0.205	0.039558724	21
Snhg18	-0.436	0.509	0.318	0.043801655	21
Bmp2	0.361	0.401	0.106	0.054490828	21
Thbs1	-1.118	0.806	0.227	0.061930585	21
Muc5ac	-0.603	0.703	0.106	0.069301901	21

Emp1	-0.431	0.922	0.356	0.072138087	21
Mmp23	-0.345	0.44	0.212	0.091009587	21
Dcn	-0.385	0.897	0.848	0.106998768	21
S100a6	-0.468	0.983	0.902	0.10811066	21
Dbndd2	0.329	0.672	0.083	0.123042771	21
Lbp	-0.294	0.664	0.152	0.135026947	21
Tuba1c	-0.274	0.431	0.136	0.136174241	21
Tff2	-0.613	0.983	0.394	0.138002623	21
Nupr1	-0.496	0.517	0.333	0.138129863	21
Ifrd1	-0.437	0.5	0.295	0.180303291	21
Prss23	-0.253	0.78	0.227	0.229412892	21
Ndrg1	-0.444	0.448	0.159	0.234416645	21
Apoe	-0.346	0.487	0.311	0.261742942	21
Tmem100	0.269	0.349	0.061	0.266868669	21
Ar	-0.300	0.728	0.167	0.277028207	21
Serpina3n	-0.881	0.853	0.311	0.295485954	21
Gpm6b	-0.312	0.845	0.318	0.391487047	21
Cyr61	-0.567	0.595	0.455	0.408195185	21
Ckb	-0.300	0.44	0.136	0.426247245	21
Chia1	0.324	0.819	0.311	0.513095513	21
Nrp1	-0.393	0.366	0.083	0.518494329	21
Aebp1	-0.524	0.547	0.371	0.552262752	21
Loxl2	-0.482	0.522	0.371	0.683735271	21
Col14a1	-0.615	0.875	0.379	0.905970414	21
Serpine2	-0.404	0.414	0.136	1	21
Ucp2	-0.378	0.513	0.265	1	21
Atp5k	-0.451	0.983	0.417	1	21
Col1a1	-0.753	0.815	0.674	1	21
Gsn	-0.272	0.94	0.886	1	21
Gsto1	-0.683	0.72	0.167	1	21
Nid1	-0.264	0.862	0.402	1	21
Ugdh	-0.279	0.763	0.227	1	21
S100a10	-0.474	0.608	0.447	1	21
Prr13	-0.541	0.888	0.348	1	21
Col12a1	-0.430	0.659	0.189	1	21
Cela1	-0.395	0.366	0.023	1	21
Abi3bp	-0.700	0.547	0.333	1	21
Fstl1	-0.709	0.698	0.523	1	21
Gsta4	-0.607	0.763	0.227	1	21
Ccl2	-0.469	0.629	0.129	1	21
Mfap4	-0.636	0.552	0.364	1	21
Col6a2	-0.447	0.815	0.689	1	21
Timp3	-0.817	0.741	0.22	1	21
Sfrp1	-0.527	0.75	0.583	1	21
Mdk	0.276	0.384	0.098	1	21
Ppp1r15a	-0.254	0.547	0.333	1	21
Foxq1	-0.604	0.457	0.114	1	21
Rbp4	0.329	0.418	0.038	1	21
Pam	-0.273	0.884	0.371	1	21
Pdpn	-0.318	0.517	0.258	1	21

H2-K1	-0.270	0.94	0.773	1	21
Furin	-0.572	0.478	0.159	1	21
Col6a5	-0.390	0.866	0.371	1	21
Col4a1	-0.444	0.849	0.341	1	21
Gatm	0.310	0.565	0.023	1	21
Tppp3	-0.628	0.737	0.212	1	21
Col3a1	-0.497	0.922	0.833	1	21
Plau	0.583	0.388	0.053	1	21
Lsp1	-0.366	0.5	0.265	1	21
Art2b	-0.420	0.138	0.045	1	21
Crip1	-0.464	0.983	0.773	1	21
C4b	-0.334	0.991	0.492	1	21
Col15a1	-0.350	0.875	0.447	1	21
Serpinf1	-0.286	0.53	0.273	1	21
Esd	-0.368	0.534	0.227	1	21
Heg1	-0.423	0.733	0.235	1	21
Cxcl12	-0.258	0.892	0.492	1	21
Igf1	-0.566	0.866	0.379	1	21
Igfbp5	-1.382	0.638	0.386	1	21
Mgp	-0.848	0.707	0.545	1	21
Ccl11	-0.358	0.797	0.409	1	21
Mfge8	-1.378	0.565	0.273	1	21
S1pr3	-0.635	0.401	0.098	1	21
Clps	0.922	0.996	0.75	1	21
Scara5	-0.603	0.655	0.227	1	21
Tnxb	-0.475	0.819	0.379	1	21
Rps29	0.321	1	0.902	1	21
Col6a3	-0.670	0.871	0.402	1	21
Rps15	-0.301	1	0.735	1	21
Sparc	-0.598	0.953	0.758	1	21
S100a1	-0.261	0.573	0.311	1	21
Dnajb1	0.379	0.547	0.356	1	21
Anxa2	-0.623	0.759	0.492	1	21
Palld	-0.346	0.53	0.197	1	21
Igfbp3	0.974	0.448	0.076	1	21
Col6a1	-0.513	0.828	0.614	1	21
Hspa1a	-0.281	0.724	0.561	1	21
Cd200	-0.427	0.483	0.136	1	21
Serpinh1	-0.383	0.884	0.614	1	21
Fbln1	-0.501	0.733	0.53	1	21
Malat1	0.281	1	0.97	1	21
Prdx1	-0.391	0.905	0.606	1	21
Neat1	-0.511	0.901	0.432	1	21
Tagln2	-0.469	0.754	0.5	1	21
Flna	-0.384	0.599	0.303	1	21
Hspa1b	-0.714	0.983	0.492	1	21
Dpcr1	-0.316	0.595	0.068	1	21
Cdkn1a	0.268	0.608	0.098	1	21
Gm26532	0.410	0.526	0.242	1	21
Rdx	-0.379	0.556	0.212	1	21

C1ra	-0.276	0.56	0.25	1	21
Bmp4	-0.304	0.53	0.28	1	21
Emid1	0.493	0.483	0.053	1	21
Col5a2	-0.309	0.707	0.492	1	21
Zeb2	-0.317	0.737	0.318	1	21
Igfbp4	-0.351	0.862	0.682	1	21
Psca	-0.980	0.776	0.364	1	21
Tff1	-1.500	1	0.773	1	21
Htra1	-0.356	0.703	0.439	1	21
Tuba1b	-0.371	0.651	0.356	1	21
Dusp1	-0.259	0.78	0.629	1	21
Nme2	-0.474	0.849	0.379	1	21
Rpl9-ps6	-0.345	0.94	0.462	1	21
Cyp1b1	-0.650	0.556	0.144	1	21
Ier3	0.453	0.547	0.235	1	21
Cavin1	-0.283	0.784	0.371	1	21
Pcolce	-0.479	0.724	0.447	1	21
Rnase4	-0.294	0.586	0.265	1	21
Fn1	-0.371	0.871	0.477	1	21
Grem2	-0.256	0.496	0.083	1	21
Far1	-0.368	0.547	0.159	1	21
Fndc1	-0.437	0.603	0.152	1	21
Tst	-0.391	0.517	0.106	1	21
Cfh	-0.352	0.75	0.356	1	21
Mt2	-1.193	0.612	0.265	1	21
Cd302	-0.416	0.629	0.303	1	21
Dpt	-0.268	0.884	0.705	1	21
S100a11	-0.353	0.853	0.583	1	21
Barx1	-0.285	0.591	0.25	1	21
Fcgrt	-0.291	0.582	0.22	1	21
Fbn1	-0.386	0.793	0.409	1	21
H2afz	-0.310	0.78	0.394	1	21
Pla2g1b	0.911	1	0.697	1	21
Htra3	-0.336	0.625	0.394	1	21
Gkn2	-1.340	0.828	0.53	1	21
Rps2	-0.255	0.996	0.591	1	21
Pnliprp2	0.401	0.159	0	1	21
Axl	-0.432	0.828	0.439	1	21
Gif	0.605	0.591	0.144	1	21
Ccdc80	-0.450	0.888	0.5	1	21
Saa3	-1.175	0.241	0.045	1	21
Cebpd	-0.254	0.698	0.379	1	21
Ltbp1	-0.367	0.522	0.189	1	21
Tubb4b	-0.285	0.582	0.189	1	21
Emp3	-0.451	0.724	0.394	1	21
Foxf2	0.396	0.435	0.083	1	21
Lmo4	-0.481	0.616	0.227	1	21
Timp2	-0.302	0.94	0.614	1	21
Selenom	-0.376	0.866	0.477	1	21
Tubb5	-0.258	0.664	0.311	1	21

H2-T23	-0.511	0.625	0.205	1	21
Fxyd1	-0.407	0.659	0.295	1	21
Plpp3	-0.258	0.789	0.439	1	21
Cyba	-0.347	0.728	0.364	1	21
Mgst3	-1.247	0.621	0.22	1	21
Cst3	-0.347	0.974	0.735	1	21
Rpl17	-0.277	0.991	0.652	1	21
Tmem176b	-0.377	0.819	0.485	1	21
Gstm1	-0.336	0.698	0.318	1	21
Pgc	0.719	0.978	0.659	1	21
AY036118	-0.540	0.832	0.492	1	21
Ly6c1	-0.297	0.634	0.25	1	21
Aldh1a3	-0.540	0.539	0.152	1	21
Procr	0.261	0.526	0.083	1	21
Gkn1	-1.670	0.888	0.561	1	21
Vim	-0.256	0.914	0.568	1	21
Gsta1	-0.326	0.5	0.03	1	21
Meg3	-0.770	0.716	0.356	1	21
Slbp	0.302	0.53	0.068	1	21
Hspb1	0.256	0.573	0.152	1	21
Fabp5	-0.969	0.578	0.136	1	21
Lars2	0.559	1	0.059	5.19E-08	22
Muc6	0.391	1	0.059	5.60E-07	22
Pga5	0.376	0.942	0	1.70E-06	22
Gbp4	-0.618	1	0.059	1.81E-06	22
Gbp7	-0.720	1	0.059	1.81E-06	22
Gkn3	-2.257	1	0.059	1.81E-06	22
Ccl5	-0.394	0.997	0.059	2.07E-06	22
Palld	-0.499	0.994	0.059	3.07E-06	22
Lbh	-0.573	0.99	0.059	3.98E-06	22
Rac2	-0.545	0.974	0.059	5.13E-06	22
Ido1	-0.457	0.961	0.059	8.53E-06	22
Ghrl	-0.420	0.994	0.118	9.18E-06	22
Sst	-0.618	0.945	0.059	0.000127286	22
Ugdh	-0.639	0.945	0.059	0.000127286	22
AY036118	-0.362	1	0.118	0.00021527	22
Nr4a2	-0.653	1	0.118	0.00021527	22
Atp4b	-0.407	1	0.118	0.000218406	22
Atp4a	-0.344	1	0.118	0.000221586	22
Cd177	-0.429	0.997	0.118	0.000246834	22
Tipin	-0.255	0.935	0.059	0.000255878	22
Myc	-0.393	0.997	0.118	0.000267234	22
Cbr3	-0.619	0.997	0.118	0.000271099	22
Hmgcs1	-0.668	0.99	0.118	0.000381895	22
Rtp4	-0.817	0.99	0.118	0.000421726	22
Chil5	-0.856	0.135	0.059	0.000465426	22
Tnni3	-0.495	0.987	0.118	0.000513778	22
Tuba1c	-0.257	0.987	0.118	0.000521048	22
Bex4	-0.529	0.981	0.118	0.000780883	22
Ly6a	-0.291	1	0.176	0.000987526	22

Gm26917	-0.356	1	0.412	0.001213395	22
Ptges	-0.306	0.152	0.059	0.001407624	22
Sprr1a	-0.757	0.968	0.118	0.001600744	22
Ceacam10	-0.258	0.81	0.059	0.001815178	22
Mal	-0.574	0.181	0.059	0.009260697	22
Scgb2b7	1.622	0.171	0	0.009859592	22
Arl6ip1	-0.558	1	0.176	0.013149568	22
Gbp2	-0.480	1	0.176	0.013818224	22
1810010D01Rik	-0.815	1	0.176	0.013990402	22
Chka	-0.553	1	0.176	0.01416463	22
Sprr2a3	-1.241	1	0.235	0.016629822	22
Gm26532	-0.509	0.994	0.176	0.019025549	22
Ddit4	-0.502	0.203	0.118	0.020218157	22
Cyp2s1	-0.516	0.99	0.176	0.022017994	22
Ethe1	-0.472	0.981	0.176	0.031215656	22
Pgd	-0.832	0.971	0.176	0.061698223	22
Gsta4	0.285	1	0.294	0.06315646	22
Agr2	0.325	1	0.294	0.072502998	22
Tubb5	-0.674	0.961	0.176	0.074163882	22
Necab1	-0.502	0.258	0.176	0.152230595	22
Gsto1	-0.563	0.942	0.176	0.153917621	22
Aldh3a1	-0.319	0.229	0.059	0.157294758	22
Pcna	-0.300	0.252	0.118	0.230306171	22
Nme2	-0.350	0.919	0.176	0.267663791	22
Cebpb	-0.976	1	0.235	0.348909569	22
F830016B08Rik	-0.650	1	0.235	0.37945288	22
Hspa1b	-0.523	1	0.235	0.38747216	22
Aplp1	-0.843	0.929	0.176	0.425521419	22
Malat1	-0.793	1	1	0.430209592	22
Foxq1	-0.307	0.997	0.235	0.443607704	22
Far1	-0.645	1	0.235	0.448227988	22
H2-Ab1	-1.104	1	0.882	0.467374628	22
Gsr	-0.621	0.997	0.235	0.472014765	22
Hist2h2aa1	0.299	0.845	0.118	0.523059208	22
Gkn1	-0.265	1	0.588	1	22
Ctsl	-0.262	0.294	0.059	1	22
Ifi27	-0.356	1	0.294	1	22
Nr4a1	-1.286	0.865	0.176	1	22
Nqo1	-0.777	0.306	0.059	1	22
Limd2	-0.582	0.806	0.118	1	22
2210407C18Rik	-0.252	0.997	0.471	1	22
Cxcl17	-0.529	1	0.294	1	22
Rps15	-0.935	1	0.824	1	22
Hspa1a	-0.818	1	0.294	1	22
Clic1	-0.651	0.997	0.294	1	22
Igtp	-0.431	1	0.294	1	22
H2-T23	-0.552	1	0.294	1	22
Nupr1	-2.336	0.926	0.824	1	22
Tmsb10	-0.609	1	0.412	1	22
Gstm1	-0.368	0.894	0.235	1	22

Iigp1	-0.384	1	0.353	1	22
Timp2	-0.309	0.426	0.294	1	22
Pglyrp1	-0.836	0.368	0.176	1	22
Klf2	-0.508	0.965	0.294	1	22
Gm11808	-0.984	0.471	0.353	1	22
Pnliprp1	-0.252	0.994	0.412	1	22
Gper1	-0.372	0.487	0.353	1	22
Cd74	-0.854	1	0.882	1	22
Gm12888	0.460	0.335	0	1	22
Pycr1	-0.284	0.381	0.118	1	22
H2-DMa	-0.721	1	0.471	1	22
H2-Eb1	-0.593	1	0.529	1	22
Sox4	-1.154	0.997	0.353	1	22
Ucp2	-0.864	1	0.412	1	22
Ly6e	-0.562	1	0.353	1	22
Cym	-3.794	1	0.353	1	22
Gfpt1	-0.877	1	0.412	1	22
Furin	0.452	0.997	0.824	1	22
Ube2s	-0.737	0.458	0.235	1	22
Dusp1	-0.330	0.942	0.353	1	22
Rps29	-0.330	1	0.882	1	22
Rpl23a	-0.394	0.877	0.412	1	22
Fxyd6	-0.391	0.581	0.412	1	22
H2-Aa	-0.706	1	0.706	1	22
Cfi	-0.283	1	0.412	1	22
S100a6	-0.810	1	0.412	1	22
Tcim	-1.111	0.974	0.412	1	22
Anpep	-0.372	0.994	0.412	1	22
Actb	-0.643	0.994	0.824	1	22
Kpna2	-0.303	0.439	0.118	1	22
Pigr	-1.107	1	0.824	1	22
Krt8	-1.116	0.997	0.588	1	22
Car2	-0.359	0.906	0.353	1	22
Cckar	-0.660	0.974	0.412	1	22
Csrp1	-1.154	0.548	0.294	1	22
Atf3	-1.619	0.974	0.412	1	22
Mt1	-0.539	0.997	0.529	1	22
Hes1	-0.844	0.99	0.471	1	22
Abhd2	-0.293	0.739	0.235	1	22
Apoe	-0.759	0.419	0.059	1	22
Rpl17	-0.452	0.945	0.647	1	22
Ffar4	-0.259	0.442	0.059	1	22
Crip1	-0.669	0.984	0.529	1	22
H2-K1	-0.351	1	0.824	1	22
Smpd3	-1.007	0.942	0.412	1	22
Tpm1	-1.184	0.729	0.235	1	22
Clu	-1.011	1	0.706	1	22
Prr13	-0.391	0.623	0.118	1	22
Prdx1	-0.384	0.977	0.765	1	22
Pnliprp2	-0.463	1	0.647	1	22

Psmb8	-0.759	1	0.471	1	22
Zfp36	-1.178	0.997	0.471	1	22
Copz2	-0.771	0.758	0.412	1	22
Tmed6	-0.633	0.955	0.588	1	22
Tagln2	-0.269	0.887	0.471	1	22
Ttr	-0.391	0.823	0.529	1	22
H1fx	-0.761	0.503	0.059	1	22
Sult1c2	-0.796	0.723	0.353	1	22
Ifitm3	-0.557	1	0.588	1	22
Cst3	-0.274	0.99	0.765	1	22
Atp5k	-0.423	1	0.647	1	22
Rps2	-0.306	0.994	0.706	1	22
Bpifb1	-2.062	1	0.588	1	22
Anxa10	-1.046	1	0.529	1	22
Cited2	-0.439	0.765	0.412	1	22
Soat1	-1.039	0.674	0.294	1	22
Derl3	-0.434	0.584	0.176	1	22
Neat1	-1.724	0.99	0.529	1	22
Ebf1	-0.284	0.993	0.028	2.41E-53	23
Iigp1	-0.347	1	0.067	3.38E-44	23
Ascl1	-0.305	0.973	0.061	1.92E-43	23
H2-DMb2	-0.281	1	0.073	6.66E-43	23
2200002D01Rik	-0.289	0.939	0.056	5.60E-42	23
Scarb1	0.363	0.98	0.067	3.29E-41	23
Plac8	-0.321	1	0.084	1.75E-40	23
Dmbt1	-0.334	0.993	0.078	2.21E-40	23
Pga5	-0.359	0.98	0.067	2.47E-40	23
Igkc	-0.408	1	0.089	3.70E-39	23
C4b	-0.457	1	0.095	5.89E-38	23
Gsn	0.271	0.973	0.095	4.24E-35	23
Gkn3	-0.460	1	0.112	1.36E-34	23
Foxq1	-0.393	1	0.117	1.60E-33	23
Ly6a	-0.450	1	0.117	2.19E-33	23
Atp4a	-0.564	0.993	0.123	1.60E-31	23
Igtp	-0.372	1	0.128	1.77E-31	23
Pglyrp1	-0.300	1	0.128	2.57E-31	23
Ikzf2	-0.264	0.149	0.067	3.95E-30	23
Cd177	-0.405	0.905	0.061	1.13E-29	23
Trp53inp1	-0.587	1	0.151	1.02E-27	23
Gsdma2	-0.369	0.176	0.056	8.87E-26	23
Pigr	-0.698	1	0.162	2.79E-25	23
AW112010	-0.435	1	0.162	3.20E-25	23
Gpx2	-0.272	1	0.168	4.30E-25	23
Mc4r	0.308	0.973	0.179	5.58E-24	23
Bpifb1	-0.636	1	0.173	1.79E-23	23
Mllt3	-0.348	0.196	0.128	1.81E-23	23
Acsl1	-0.479	0.196	0.112	2.02E-23	23
S100a6	-0.466	1	0.179	1.12E-22	23
Snhg18	-0.298	0.851	0.084	2.19E-19	23
Ctse	-0.482	0.993	0.201	4.10E-19	23

Col11a1	0.418	0.973	0.24	3.50E-18	23
Spink4	-0.425	0.878	0.106	5.75E-18	23
Gsto1	-0.322	0.243	0.123	1.83E-17	23
Muc6	-0.612	1	0.212	1.86E-17	23
Cebpd	0.370	0.236	0.039	2.19E-16	23
Fabp5	-0.372	0.905	0.151	5.42E-16	23
Ckmt1	-0.290	0.264	0.151	9.61E-16	23
Thbs1	-0.507	0.872	0.134	4.61E-15	23
Serpinb1a	-0.278	0.98	0.229	6.30E-15	23
Serping1	-0.685	1	0.235	1.28E-14	23
Id1	0.333	0.912	0.196	1.32E-14	23
Creb3l4	-0.290	0.264	0.056	7.91E-14	23
Palld	-0.271	0.291	0.128	2.11E-12	23
H2-Eb1	-0.669	1	0.257	7.91E-12	23
Cym	-1.032	1	0.257	8.07E-12	23
Gria2	-0.495	0.98	0.268	1.32E-11	23
Hspa1b	-0.460	1	0.268	1.46E-11	23
Hbegf	-0.263	0.311	0.168	9.28E-11	23
Hspa1a	-0.273	0.905	0.212	1.53E-10	23
Mrln	-0.361	0.973	0.274	5.64E-10	23
Serpina7	-0.569	0.959	0.268	1.59E-09	23
Ahsg	-0.348	0.899	0.218	1.64E-09	23
S100a11	-0.403	1	0.285	2.31E-09	23
Vgf	-0.402	0.98	0.296	3.76E-09	23
Gm11808	-0.524	0.797	0.112	9.80E-09	23
Gm26532	0.594	0.311	0.078	2.90E-08	23
Sst	1.044	0.75	0.067	3.32E-08	23
Cckar	0.392	0.311	0.061	3.39E-08	23
Car2	-0.592	0.946	0.263	6.06E-08	23
Nr4a2	-0.263	0.338	0.128	9.73E-08	23
2210407C18Rik	-0.630	1	0.33	1.23E-07	23
Smpd3	-0.393	0.993	0.318	1.36E-07	23
Mgst3	-0.571	0.392	0.246	4.83E-07	23
Ctxn1	0.298	0.324	0.095	1.11E-06	23
Psmb8	-0.307	1	0.341	6.00E-06	23
Cyba	-0.269	0.385	0.168	4.41E-05	23
Sprr2a3	-1.131	1	0.33	5.08E-05	23
Col8a1	-0.388	0.966	0.358	0.000213683	23
Tff3	0.274	0.365	0.112	0.000220231	23
H2-Aa	-0.902	1	0.341	0.000348303	23
Gadd45g	0.480	0.764	0.196	0.001072495	23
Fst	-0.827	0.98	0.358	0.001550365	23
Lars2	-0.350	0.953	0.363	0.003109098	23
Pappa2	0.371	0.98	0.659	0.004866814	23
H2-T23	-0.443	1	0.38	0.005388714	23
Gfpt1	-0.290	1	0.402	0.012010727	23
Ifi27	-0.372	0.993	0.419	0.046650992	23
Nkx6-2	0.282	0.959	0.581	0.055220529	23
Anxa10	-0.303	0.993	0.408	0.060602718	23
Nap1l5	0.295	0.412	0.162	0.078686188	23

Smim24	0.259	0.392	0.045	0.083687127	23
Lgals9	-0.358	0.851	0.285	0.112361877	23
Ptprn	-0.410	0.973	0.408	0.40126918	23
Esd	-0.267	0.48	0.212	0.417202684	23
Car8	0.334	0.412	0.061	0.584819466	23
C2cd4b	-0.517	0.797	0.257	1	23
H2-Ab1	-0.855	1	0.402	1	23
Wars	-0.296	0.527	0.279	1	23
Ptf1a	0.263	0.919	0.587	1	23
Prr13	-0.259	0.574	0.369	1	23
Dpcr1	-0.354	0.432	0.05	1	23
Tff2	-0.490	1	0.475	1	23
Gsta4	-0.455	0.689	0.151	1	23
AY036118	-0.396	1	0.581	1	23
Tmem54	-0.282	0.574	0.352	1	23
Lgals2	-0.355	0.514	0.218	1	23
Krt19	-0.262	0.52	0.235	1	23
Reg1	-0.651	0.514	0.218	1	23
Rpl23a	-0.375	0.993	0.48	1	23
Clps	-0.478	1	1	1	23
Rps2	-0.328	0.993	0.52	1	23
Mt2	-0.318	0.486	0.14	1	23
Ifitm3	-0.446	1	0.508	1	23
Gkn2	-0.807	0.838	0.385	1	23
Chia1	-0.401	0.851	0.419	1	23
Mboat4	-0.375	0.804	0.358	1	23
Meg3	-0.485	0.973	0.525	1	23
Gif	-1.000	0.703	0.229	1	23
Hmgn2	-0.257	0.757	0.291	1	23
Aplp1	-0.412	0.878	0.637	1	23
Agr2	-0.997	0.554	0.179	1	23
Resp18	-0.467	0.757	0.52	1	23
Tmed3	-0.534	0.689	0.369	1	23
Hepacam2	-0.300	0.574	0.246	1	23
Cst3	-0.281	0.926	0.682	1	23
1810010D01Rik	-0.436	0.547	0.156	1	23
Gkn1	-0.940	0.865	0.464	1	23
Prdx1	-0.265	0.986	0.575	1	23
Tmem176b	-0.322	0.716	0.391	1	23
Tubb5	0.293	0.628	0.235	1	23
Bex2	-0.253	0.892	0.503	1	23
Rps15	-0.437	1	0.642	1	23
Kcnk3	-0.328	0.689	0.385	1	23
Cd74	-0.856	1	0.659	1	23
Rbpjl	-0.252	0.709	0.441	1	23
Nme2	-0.380	0.811	0.397	1	23
Rpl9-ps6	-0.291	0.926	0.497	1	23
Ghrl	-0.353	0.986	0.749	1	23
Cel	-0.410	0.899	0.693	1	23
Nupr1	-0.731	0.919	0.559	1	23

Pgc	-0.306	1	0.799	1	23
Id3	0.300	0.649	0.352	1	23
Tmsb10	-0.293	0.885	0.564	1	23
Rpl17	-0.329	0.885	0.559	1	23
Anpep	-0.527	0.892	0.559	1	23
Ctsl	-0.857	0.986	0.575	1	23
Hspb1	-0.437	0.831	0.475	1	23
Crip1	-0.311	0.993	0.704	1	23
AY036118	0.632	1	0.052	1.51E-35	24
Ifit1bl1	-0.273	1	0.052	1.04E-34	24
Cym	-0.791	1	0.062	3.20E-32	24
Gkn3	-0.748	1	0.072	6.41E-30	24
8430408G22Rik	-0.275	1	0.088	1.03E-26	24
Fabp4	-0.385	0.878	0.046	1.18E-25	24
Muc6	-0.745	0.98	0.082	3.65E-25	24
Chil4	-2.026	1	0.108	6.01E-23	24
Cldn4	-0.336	1	0.124	2.21E-20	24
Pga5	-0.276	0.163	0.082	6.56E-19	24
Krt13	-0.552	1	0.155	5.57E-16	24
Bpifb1	-1.203	1	0.165	1.10E-14	24
Pmm1	-0.282	1	0.165	1.18E-14	24
Edn1	-0.330	1	0.201	6.39E-11	24
H2-Ab1	-0.269	1	0.206	8.10E-11	24
Plet1	-0.491	0.959	0.196	9.47E-09	24
4930539E08Rik	-0.340	1	0.242	2.82E-07	24
Rpl9-ps6	0.425	0.816	0.144	1.35E-05	24
St3gal4	-0.344	1	0.263	1.69E-05	24
Anxa1	-0.275	1	0.278	5.70E-05	24
Clca1	-0.927	1	0.938	5.89E-05	24
Myo15b	-0.406	1	0.284	0.000208151	24
Cd74	-0.810	1	0.325	0.00063273	24
Duoxa2	-1.055	1	0.299	0.00269331	24
Npy	0.633	0.347	0.026	0.004267725	24
Mt2	-0.397	0.796	0.17	0.02791231	24
Idi1	-0.294	0.449	0.407	0.031999244	24
Lgals2	0.425	0.878	0.474	0.162043744	24
Rnf186	-0.254	0.429	0.227	0.287975305	24
Pigr	-0.936	1	0.351	0.311140243	24
Plaur	-0.265	1	0.376	0.940300378	24
Nupr1	-1.639	0.878	0.284	1	24
Malat1	-0.497	1	1	1	24
Tff2	-0.562	1	0.902	1	24
Ly6g6c	-0.274	1	0.448	1	24
Gm42418	0.977	1	0.536	1	24
2200002D01Rik	-0.259	1	0.933	1	24
Pglyrp1	-0.271	1	0.387	1	24
Clu	-1.163	1	0.851	1	24
Fdps	-0.267	0.612	0.495	1	24
Tmem189	-0.340	0.857	0.814	1	24
Spink4	-0.369	1	0.881	1	24

Gsr	-0.356	0.959	0.789	1	24
H2-K1	-0.297	1	0.5	1	24
Duox2	-0.515	1	0.469	1	24
Cybrd1	-0.330	1	0.546	1	24
Rbp2	0.375	1	0.861	1	24
Rps2	-0.407	0.918	0.799	1	24
Ier3	-0.314	1	0.459	1	24
Rflnb	-0.272	0.714	0.51	1	24
Dusp5	-0.282	1	0.479	1	24
Suox	-0.279	1	0.732	1	24
Lgals4	0.407	1	0.928	1	24
Nqo1	-0.384	0.98	0.758	1	24
Clps	-0.316	1	0.753	1	24
Rpl17	-0.275	0.959	0.809	1	24
Esd	-0.366	0.878	0.655	1	24
Rps15	-0.257	0.98	0.83	1	24
Gm26532	-0.320	0.612	0.356	1	24
Psapl1	-0.274	1	0.866	1	24
Crip1	0.258	1	0.969	1	24
Emp1	-0.274	1	0.521	1	24
Dnajb1	-0.455	0.612	0.34	1	24
Serpinb1a	-0.278	1	0.505	1	24
Dusp1	-0.332	1	0.778	1	24
Fcgbp	-0.661	1	0.758	1	24
Hist1h1c	-0.357	1	0.727	1	24
Gadd45g	-0.308	0.98	0.531	1	24
Tkt	-0.269	0.959	0.686	1	24
Insig1	-0.401	1	0.665	1	24
Wfdc2	-0.540	0.959	0.5	1	24
Ly6d	-0.580	1	0.613	1	24
AW112010	-0.634	1	0.716	1	24
Gstp1	0.299	0.571	0.124	1	24
Arl14	-0.381	0.98	0.619	1	24
Mt1	-0.619	0.898	0.686	1	24
Fhl2	-0.258	1	0.572	1	24
Sfn	0.348	1	0.866	1	24
Tubb4b	-0.268	0.939	0.613	1	24
Actb	0.269	1	0.99	1	24
Ces2c	-0.294	1	0.866	1	24
Dmbt1	-0.540	1	0.531	1	24
Ndrg1	-0.408	1	0.701	1	24
Igkv15-103	-0.290	0.955	0.037	1.05E-26	25
Tnfaip6	0.262	0.955	0.037	6.50E-26	25
Cxcl1	-0.423	0.961	0.037	7.19E-25	25
Gm37800	-0.256	0.942	0.049	1.87E-24	25
Pigr	-0.265	1	0.074	2.19E-24	25
Lrrc15	0.304	0.87	0.025	6.87E-24	25
Ets1	-0.329	0.968	0.049	9.81E-24	25
C1qb	-0.316	0.896	0.037	1.21E-23	25
Muc6	-0.432	1	0.086	6.81E-23	25

Gkn3	-0.472	1	0.086	6.96E-23	25
Igkc	-0.608	1	0.086	7.27E-23	25
Iigp1	-0.625	1	0.086	7.27E-23	25
Spink4	-0.269	1	0.099	2.07E-21	25
H2-Eb1	-0.706	1	0.099	2.16E-21	25
Irgm1	-0.255	0.961	0.074	2.77E-20	25
Nrp1	-0.343	0.961	0.074	3.20E-20	25
Ndufa4l2	0.291	0.974	0.099	1.53E-19	25
Adamts4	-0.382	0.974	0.111	6.94E-19	25
Lypd8	-0.311	0.974	0.099	8.72E-19	25
C4b	-0.451	1	0.123	1.37E-18	25
H2-Ab1	-0.495	1	0.123	1.37E-18	25
Slit3	-0.332	0.13	0.037	1.41E-18	25
Tfpi	-0.262	0.13	0.037	1.09E-17	25
Angptl2	0.330	0.123	0	1.30E-17	25
H2-Aa	-0.670	1	0.136	2.89E-17	25
Ptgs2	-0.552	0.987	0.136	3.16E-17	25
Car2	-0.376	0.981	0.123	5.08E-17	25
Gbp4	-0.359	0.87	0.049	2.22E-16	25
Cym	-2.444	1	0.16	7.96E-15	25
Tnfaip3	-0.289	0.708	0.049	1.21E-13	25
Gbp2b	-0.253	0.903	0.086	2.00E-13	25
Atp2a3	-0.592	0.981	0.16	2.76E-13	25
Abhd2	-0.286	0.942	0.136	1.32E-12	25
Gm11361	-0.284	1	0.185	1.53E-12	25
Mt2	-0.323	0.981	0.173	1.93E-12	25
Jchain	-0.521	0.695	0.074	2.18E-11	25
Tnfaip2	-0.391	0.974	0.185	2.42E-11	25
Hspa1b	-0.454	0.994	0.21	6.89E-11	25
Cyp4b1	0.376	0.786	0.012	8.91E-11	25
Icam1	-0.333	0.799	0.049	1.29E-10	25
S1pr3	-0.351	0.916	0.16	1.76E-09	25
Nr4a3	-0.487	1	0.235	8.09E-09	25
Flnc	-0.295	0.909	0.173	1.35E-08	25
Dmp1	-0.474	0.519	0.037	1.72E-08	25
Krt8	-0.415	1	0.247	4.92E-08	25
Aoc3	-0.306	0.305	0.272	1.39E-07	25
Ube2s	-0.499	0.922	0.185	1.84E-07	25
Ldhb	-0.297	0.273	0.086	2.93E-07	25
Gif	-0.594	0.292	0.16	3.50E-07	25
Lims2	-0.339	0.305	0.21	4.02E-07	25
Rgs10	0.451	0.838	0.148	1.88E-06	25
Ccl11	0.438	0.253	0.012	2.15E-06	25
Lum	0.274	0.286	0.086	3.92E-06	25
Krt19	-0.270	0.831	0.123	7.75E-06	25
Nrip2	-0.272	0.857	0.16	7.82E-06	25
Tmed3	-0.310	0.292	0.074	8.64E-06	25
Rgs4	-0.330	0.968	0.259	1.18E-05	25
8430408G22Rik	-0.306	0.747	0.037	1.41E-05	25
Vtn	0.447	0.13	0	2.72E-05	25

Fgl2	-0.367	0.779	0.074	2.82E-05	25
Actc1	0.296	0.286	0.074	2.91E-05	25
Nrarp	0.433	0.695	0.16	0.000103843	25
Dlc1	-0.368	0.799	0.123	0.00012378	25
Gbp2	-0.265	0.812	0.123	0.000128775	25
Rcn3	-0.367	0.351	0.185	0.000185784	25
Gm13861	-0.408	0.844	0.173	0.000200528	25
Crlf1	-0.298	0.734	0.037	0.00023201	25
Phlda1	0.307	0.805	0.136	0.000246793	25
Cited2	0.278	0.766	0.086	0.000367025	25
Jag1	-0.563	0.981	0.296	0.000396934	25
Ramp1	-0.426	0.396	0.284	0.000784869	25
Eln	-0.682	0.468	0.395	0.00105119	25
Map3k7cl	-0.398	0.974	0.321	0.00127753	25
Notch3	-0.458	0.987	0.321	0.001415693	25
Tcim	-0.354	0.351	0.136	0.001462954	25
Bst2	-0.350	0.383	0.198	0.002884609	25
Hhip	0.275	0.734	0.16	0.003271673	25
P2rx1	-0.627	0.825	0.173	0.003790259	25
Cd74	-0.589	1	0.321	0.004825832	25
Atp1b2	-0.327	0.357	0.136	0.00573366	25
Sprr2a3	-0.833	1	0.321	0.006124958	25
Mdk	0.290	0.662	0.049	0.006773194	25
Oxct1	-0.481	0.39	0.198	0.006985469	25
Ddit4	-0.388	0.351	0.099	0.007036996	25
Msn	-0.427	0.455	0.333	0.008960043	25
Wars	-0.297	0.351	0.086	0.009144174	25
Hspb7	-0.396	0.409	0.247	0.012319013	25
Clu	-0.401	0.364	0.111	0.013340166	25
Fn1	-0.315	0.779	0.136	0.014776206	25
Fabp5	-0.357	0.747	0.099	0.019125965	25
Ccdc34	-0.345	0.357	0.086	0.019420733	25
Sod3	-0.381	0.403	0.198	0.021577627	25
Tpm1	-0.358	1	0.938	0.025301344	25
Mgp	-0.933	0.89	0.259	0.026492438	25
Tubb5	-0.409	0.435	0.247	0.045164497	25
Pln	-0.447	0.981	0.358	0.045178579	25
Grem2	-0.467	0.422	0.235	0.045606733	25
Col4a5	-0.326	0.773	0.148	0.05318579	25
Tff2	-0.368	1	0.358	0.054087699	25
Ebf1	-0.349	0.994	0.358	0.055065488	25
Copz2	-0.429	0.396	0.148	0.075203383	25
Syt13	0.276	0.61	0.025	0.091029224	25
Lmod1	-0.535	0.565	0.457	0.131306513	25
Crispld2	-0.574	0.844	0.235	0.139872025	25
S100a4	-0.283	0.357	0.049	0.152866482	25
Pde4b	-0.264	0.435	0.235	0.16019544	25
Sncg	-0.567	0.929	0.321	0.174720435	25
Heyl	-0.301	0.695	0.074	0.241381118	25
Fabp3	0.310	0.37	0.049	0.333689679	25

Plpp3	-0.281	0.805	0.21	0.356627665	25
Apoe	-0.766	0.377	0.062	0.369028394	25
Sfrp1	-0.439	0.416	0.16	0.403514644	25
Neat1	-0.637	0.89	0.296	0.671216467	25
Sparcl1	-0.627	0.812	0.741	0.933569734	25
Pdgfrb	-0.292	0.76	0.173	1	25
Igfbp4	-0.554	0.442	0.185	1	25
Epas1	-0.345	0.994	0.407	1	25
AW112010	-0.353	0.74	0.148	1	25
Parm1	-0.486	0.903	0.321	1	25
Col18a1	-0.799	0.513	0.284	1	25
Mfge8	-0.576	0.623	0.469	1	25
Smtn	-0.722	0.643	0.469	1	25
Cav1	-0.437	0.597	0.432	1	25
Bcam	-0.481	0.968	0.383	1	25
Rps29	0.602	1	0.963	1	25
Tpm2	-0.381	0.955	0.889	1	25
Socs3	-0.427	0.545	0.383	1	25
Pim1	-0.318	0.714	0.136	1	25
Tgm2	-0.613	0.61	0.395	1	25
Rpl23a	0.623	1	0.617	1	25
Col4a2	-0.533	0.649	0.457	1	25
Vim	-0.762	0.799	0.58	1	25
Serpine1	0.252	0.786	0.259	1	25
Ehd2	-0.335	0.526	0.296	1	25
Tesc	-0.292	0.474	0.198	1	25
Acta2	-0.255	1	0.975	1	25
Des	-0.447	0.831	0.716	1	25
Ccdc3	-0.503	0.5	0.235	1	25
Lars2	-0.520	0.5	0.235	1	25
Prss23	-0.510	0.877	0.333	1	25
Rasl11a	-0.705	0.532	0.272	1	25
Lhfp	-0.554	0.584	0.333	1	25
mt-Nd3	-0.363	1	0.444	1	25
Cpe	-0.393	0.805	0.284	1	25
S100a13	-0.402	0.474	0.148	1	25
Igfbp3	0.387	0.448	0.111	1	25
Dnajb1	0.428	0.455	0.111	1	25
Map1b	-0.418	0.591	0.333	1	25
Cst3	-0.728	0.844	0.605	1	25
Palld	-0.404	0.831	0.617	1	25
Myh11	-0.324	0.974	0.864	1	25
Neurl3	-0.423	0.123	0.012	1	25
Emp3	-0.413	0.565	0.284	1	25
Speg	-0.325	0.513	0.21	1	25
Lgals3	-0.399	0.682	0.148	1	25
Dusp1	-0.276	0.961	0.84	1	25
Tm4sf1	-0.579	0.903	0.395	1	25
Rrad	-0.300	0.604	0.383	1	25
Ltbp4	-0.366	0.545	0.284	1	25

Zeb2	-0.345	0.981	0.481	1	25
Clps	-1.121	1	0.679	1	25
Enpp2	-0.326	0.714	0.222	1	25
Pdlim3	-0.326	0.838	0.617	1	25
Grem1	-0.578	0.669	0.148	1	25
Gsn	-0.382	0.883	0.42	1	25
Mt1	-0.332	0.981	0.543	1	25
Tinagl1	-0.508	0.669	0.407	1	25
Rbpms2	-0.294	0.617	0.333	1	25
Igfbp7	-0.414	0.974	0.741	1	25
Gm42418	-0.972	0.818	0.58	1	25
Zfp36	-0.305	0.903	0.84	1	25
Atf3	-0.377	0.877	0.704	1	25
Ccrl2	0.377	0.591	0.062	1	25
Mcam	-0.413	0.994	0.506	1	25
Malat1	0.985	1	0.975	1	25
Tgfb3	-0.264	0.494	0.111	1	25
Nme2	-0.564	0.714	0.222	1	25
Tuba1b	-0.276	0.799	0.346	1	25
Col4a1	-0.526	0.864	0.383	1	25
Ckmt1	-0.332	0.468	0.049	1	25
Gucy1a1	-0.330	0.766	0.296	1	25
Hotairm1	-0.387	0.747	0.284	1	25
Bpifb1	-0.727	0.597	0.074	1	25
Igfbp5	-0.742	0.766	0.506	1	25
Rpl9-ps6	-0.631	0.779	0.296	1	25
Cyr61	-0.353	0.682	0.444	1	25
Tgfb1i1	-0.410	0.766	0.284	1	25
Ppp1r14a	-0.866	0.753	0.432	1	25
Gem	-0.251	0.545	0.21	1	25
Lbh	-0.442	0.974	0.494	1	25
Ckb	-0.393	0.916	0.63	1	25
Chia1	-0.350	0.656	0.173	1	25
AY036118	-0.692	0.623	0.296	1	25
Rpl17	0.289	1	0.679	1	25
Dmpk	-0.352	0.695	0.395	1	25
Fxyd5	-0.280	0.487	0.062	1	25
Psca	-0.466	0.604	0.259	1	25
Kcnmb1	-0.386	0.539	0.16	1	25
Hes1	-0.452	0.961	0.506	1	25
Cavin3	-0.531	0.948	0.568	1	25
Bgn	-0.294	0.818	0.531	1	25
Fhl1	-0.265	0.805	0.642	1	25
Pcp4l1	-0.536	0.721	0.395	1	25
Id2	-0.330	0.682	0.235	1	25
Ctgf	-0.281	0.591	0.247	1	25
Crip2	-0.376	0.903	0.568	1	25
Selenom	-0.495	0.877	0.543	1	25
Gsta4	-0.429	0.532	0.123	1	25
Mgll	-0.275	0.578	0.198	1	25

Rps2	0.300	1	0.691	1	25
Ghrl	-0.546	0.721	0.284	1	25
Wfdc1	-0.439	0.61	0.235	1	25
Pgc	-0.680	0.935	0.593	1	25
Foxf2	-0.376	0.604	0.148	1	25
Tnc	-0.707	0.63	0.185	1	25
Dcn	0.303	0.545	0.16	1	25
Ltbp1	-0.579	0.818	0.395	1	25
Rgs5	-0.831	0.994	0.543	1	25
Adamts1	-0.286	0.656	0.309	1	25
Nes	-0.276	0.591	0.123	1	25
Gm26917	-0.300	0.597	0.136	1	25
Col1a1	-0.278	0.675	0.272	1	25
Pla2g1b	-0.916	0.987	0.556	1	25
Hspa1a	-0.670	0.76	0.395	1	25
Csf1	-0.349	0.571	0.111	1	25
Bok	0.254	0.545	0.062	1	25
Tmem176a	0.326	0.617	0.247	1	25
Col5a1	-0.329	0.552	0.111	1	25
Ppp1r15a	0.456	0.968	0.667	1	25
Cnn1	-0.288	0.831	0.531	1	25
Cnn2	-0.394	0.786	0.383	1	25
Gm13889	-0.284	0.994	0.63	1	25
Thbs1	-0.709	0.961	0.556	1	25
H2-K1	-0.470	0.74	0.358	1	25
Tnni3	0.291	1	0.026	1.22E-24	26
Tph1	-0.474	0.964	0.052	4.45E-20	26
Gbp2b	-0.428	1	0.065	4.64E-20	26
Hgfac	-0.315	0.072	0.104	9.03E-20	26
Atp4a	-0.482	0.988	0.065	6.01E-19	26
Pnoc	-1.402	0.072	0.234	4.95E-18	26
Gsta4	0.362	1	0.091	7.46E-18	26
4930539E08Rik	-0.339	0.964	0.078	2.18E-17	26
Neurl3	-0.321	0.952	0.078	6.36E-17	26
Lgr4	-0.265	0.988	0.091	2.25E-16	26
Lyz2	0.291	0.108	0.013	2.35E-16	26
Ly6a	-0.628	1	0.104	4.04E-16	26
Col4a1	-0.289	0.108	0.052	4.69E-16	26
Ogfrl1	0.321	0.108	0	7.30E-16	26
Clic6	-0.503	0.12	0.117	8.96E-16	26
Ppargc1a	-0.256	0.976	0.091	1.14E-15	26
Palld	-0.282	0.964	0.078	1.34E-15	26
Mfge8	-0.311	0.12	0.065	1.52E-15	26
Fabp5	-0.322	0.976	0.091	1.52E-15	26
Hspa1b	-0.311	1	0.117	1.81E-15	26
Ddit4	0.267	0.952	0.078	4.65E-15	26
Pyy	-0.417	0.928	0.091	5.34E-15	26
Spink4	-0.313	1	0.117	6.21E-15	26
Cym	-0.684	1	0.117	6.40E-15	26
Ctse	-0.665	0.145	0.195	2.23E-14	26

Cyr61	-0.587	0.988	0.117	4.23E-14	26
Pkib	-0.292	0.133	0.117	1.17E-13	26
Ptpn18	-0.331	0.145	0.065	1.45E-13	26
Car8	0.264	0.976	0.13	3.72E-13	26
8430408G22Rik	-0.255	0.94	0.091	1.18E-12	26
Gkn3	-0.854	1	0.143	1.20E-12	26
Cck	-0.730	0.916	0.117	3.21E-12	26
Agr2	-0.388	1	0.156	8.39E-12	26
Sct	0.941	0.145	0.039	1.12E-11	26
Maff	0.361	0.976	0.156	1.84E-11	26
Ctxn2	-0.335	0.952	0.143	2.02E-11	26
Gpx3	-1.720	0.217	0.377	3.01E-11	26
Degs2	-0.251	0.181	0.091	5.97E-11	26
Slco2a1	-0.351	0.181	0.091	6.30E-11	26
Gm11361	-0.399	1	0.169	1.08E-10	26
Gm11808	-0.365	1	0.169	1.17E-10	26
Muc6	-0.793	1	0.169	1.37E-10	26
Sult1c2	-0.394	0.193	0.104	2.81E-10	26
Cd83	-0.321	0.169	0.026	3.12E-10	26
Arc	-0.439	0.205	0.247	3.35E-10	26
Fgl2	-0.470	0.988	0.169	3.46E-10	26
Nfasc	-0.415	0.976	0.169	3.70E-10	26
Chka	-0.429	1	0.195	5.39E-10	26
Rnase4	-0.358	0.952	0.156	6.30E-10	26
Me1	-0.296	0.205	0.104	1.21E-09	26
Apoa1	0.401	0.193	0.039	1.28E-09	26
Dusp5	-0.444	0.964	0.156	2.57E-09	26
Wars	-0.275	0.988	0.182	5.15E-09	26
Tuba1c	-0.253	0.217	0.13	6.12E-09	26
H2-T23	-0.549	1	0.195	6.46E-09	26
Abhd2	-0.255	0.964	0.169	1.01E-08	26
Zfp36l2	-0.334	0.976	0.182	1.20E-08	26
Ndrg1	-0.273	0.976	0.182	1.47E-08	26
Sox4	-0.254	0.976	0.195	3.52E-08	26
Pigr	-0.642	1	0.221	6.59E-07	26
Syt5	-0.541	0.241	0.156	9.90E-07	26
Mllt3	-0.405	0.253	0.104	1.21E-06	26
Id1	-0.404	1	0.234	1.36E-06	26
Anxa10	-0.306	0.964	0.208	2.08E-06	26
Nbl1	0.289	0.217	0.026	2.23E-06	26
Pglyrp1	-0.477	0.988	0.221	2.39E-06	26
Iapp	1.004	0.229	0	7.20E-06	26
Nkx6-3	-0.859	0.952	0.221	8.17E-06	26
Lbh	-0.267	0.265	0.091	8.59E-06	26
Spp1	1.433	0.53	0.039	1.34E-05	26
Penk	-0.878	0.422	0.013	1.51E-05	26
Mrln	-0.428	0.289	0.234	1.56E-05	26
Trp53inp1	-0.652	1	0.247	1.58E-05	26
S100a6	-0.590	0.952	0.208	1.84E-05	26
Ascl1	-0.258	0.446	0.039	4.38E-05	26

Ifrd1	-0.290	0.916	0.208	6.64E-05	26
Socs3	0.410	0.265	0.026	6.91E-05	26
AY036118	0.452	1	0.286	8.63E-05	26
2210407C18Rik	-0.372	1	0.273	9.94E-05	26
Gm26917	-0.714	1	0.273	0.000116254	26
Idi1	-0.344	0.301	0.13	0.000179412	26
Ddc	-0.305	0.952	0.26	0.000181432	26
Mt2	-0.766	0.337	0.234	0.000283494	26
Ifi27l2a	-0.428	0.47	0.039	0.000401842	26
Fam46c	-0.315	0.301	0.104	0.000524112	26
Plac8	-0.585	1	0.286	0.000664046	26
Id2	-0.481	1	0.286	0.000783515	26
Gm11837	0.404	0.88	0.234	0.000871073	26
Klf4	-0.458	0.964	0.26	0.001520437	26
Fdps	0.304	0.301	0.052	0.00290892	26
Clu	-1.682	0.699	0.623	0.003248476	26
Lmo4	-0.491	0.398	0.325	0.003355918	26
H2-Ab1	0.330	1	0.403	0.004019625	26
Umod	-0.262	0.289	0.013	0.005162673	26
Mgst3	-0.298	0.349	0.182	0.005258494	26
Malat1	-0.858	1	0.961	0.009786476	26
C2cd4b	-0.250	0.361	0.195	0.012890122	26
Olfml3	-0.361	0.301	0.039	0.017558613	26
Vsig1	-0.412	0.386	0.234	0.024514613	26
Pax6	-0.755	0.964	0.299	0.037718009	26
Peg10	-1.020	0.229	0.013	0.106027134	26
AA467197	-0.303	0.422	0.091	0.167012416	26
Rgs5	-0.493	0.217	0.013	0.190423106	26
Hhex	0.346	0.349	0.065	0.485982192	26
Acsl1	-0.384	0.952	0.39	1	26
Actb	-0.849	0.976	0.805	1	26
Pcsk1	-0.594	0.53	0.403	1	26
Csrp1	-0.335	0.41	0.156	1	26
Sprr2a3	1.275	1	0.364	1	26
Ghrl	0.553	0.952	0.649	1	26
Gast	-6.951	0.964	0.351	1	26
Pcsk2	-0.746	0.651	0.545	1	26
Pcsk1n	0.286	0.916	0.584	1	26
Hist1h1c	-0.838	0.952	0.351	1	26
Etv1	-0.607	0.964	0.39	1	26
Cd177	-0.598	0.494	0.299	1	26
Hap1	-0.905	0.964	0.364	1	26
Ptprn	-0.658	0.518	0.286	1	26
Tm4sf4	-0.579	0.831	0.701	1	26
Klf2	-0.574	0.566	0.351	1	26
Mt1	-0.623	0.675	0.558	1	26
Gadd45g	0.401	0.518	0.39	1	26
Chgb	-1.808	0.88	0.701	1	26
Igfbp7	0.696	0.434	0.091	1	26
Ctsl	-0.735	0.639	0.442	1	26

Krt8	-0.687	0.831	0.623	1	26
Tubb4b	-0.426	0.542	0.299	1	26
Smpd3	-0.313	1	0.506	1	26
Neurod1	-0.307	0.976	0.506	1	26
Rps29	-0.343	1	0.831	1	26
Pgc	0.282	0.976	0.558	1	26
Prnp	-0.374	0.518	0.234	1	26
Anpep	-0.434	0.566	0.338	1	26
Pam	-1.108	0.976	0.701	1	26
Chga	-0.700	0.988	0.883	1	26
Cpe	-0.489	0.867	0.714	1	26
Fhl2	-0.310	0.542	0.273	1	26
Clic1	-0.530	0.59	0.299	1	26
Gkn2	0.696	0.867	0.506	1	26
Ambp	-1.045	0.675	0.182	1	26
Rbp4	-0.353	0.831	0.429	1	26
Acot7	0.317	0.602	0.117	1	26
Atp5k	-0.623	1	0.494	1	26
Gkn1	0.887	0.831	0.506	1	26
Slc38a5	-0.833	0.458	0.039	1	26
Baiap3	-0.362	0.554	0.26	1	26
H2afz	-0.295	0.771	0.364	1	26
Neat1	-0.680	0.988	0.532	1	26
Prdx1	-0.368	0.976	0.675	1	26
Psca	-0.268	0.723	0.494	1	26
Scg5	-0.291	1	0.766	1	26
Peg3	-1.119	0.952	0.597	1	26
Scg2	-0.482	0.602	0.247	1	26
Krt7	-0.399	0.687	0.403	1	26
Sst	0.855	0.53	0.26	1	26
Gm42418	1.083	0.916	0.571	1	26
Tagln2	-0.376	0.735	0.416	1	26
Zfp36	0.369	0.711	0.442	1	26
Tff1	0.592	1	0.792	1	26
Rps2	-0.664	1	0.597	1	26
Tmsb10	-0.283	0.928	0.688	1	26
Rps15	-0.253	1	0.649	1	26
Rpl17	-0.481	1	0.61	1	26
mt-Nd3	-0.755	1	0.545	1	26
Insm1	-0.488	0.675	0.312	1	26
Dusp1	-0.371	0.831	0.532	1	26
Sectm1b	1.232	1	0.014	3.15E-27	27
Gsta3	0.716	1	0.021	7.67E-25	27
Ethe1	1.522	1	0.027	5.92E-23	27
Hyal2	0.635	0.846	0.014	1.08E-21	27
Bex2	0.784	0.769	0.007	1.84E-21	27
Clic3	1.022	0.923	0.007	8.75E-21	27
Pparg	-0.298	1	0.034	1.16E-20	27
Isg15	0.823	1	0.041	2.73E-19	27
Dqx1	-0.267	1	0.041	5.29E-19	27

Apoe	-0.314	1	0.041	5.29E-19	27
Krt7	-0.285	1	0.048	1.65E-17	27
Reg3g	-0.295	1	0.048	1.65E-17	27
Cd93	-0.307	0.923	0.041	1.17E-16	27
Dbndd2	0.352	1	0.055	1.86E-16	27
Gbp2	-0.301	1	0.055	3.69E-16	27
Gsdmc3	-0.428	1	0.055	3.69E-16	27
Ndrg1	0.592	1	0.062	2.69E-15	27
Ifi27l2b	-0.254	1	0.062	6.20E-15	27
Lig1	-0.270	1	0.062	6.20E-15	27
Lrpprc	-0.310	1	0.062	6.20E-15	27
Mlph	-0.381	1	0.062	6.20E-15	27
Chga	-0.799	1	0.062	6.20E-15	27
Ces2c	0.960	0.846	0	7.57E-15	27
Lgals4	0.586	0.923	0.034	2.65E-14	27
Areg	-0.365	1	0.068	8.15E-14	27
Igha	-0.417	1	0.068	8.15E-14	27
Cxcr4	-0.313	0.846	0.048	4.42E-13	27
Uhrf1	-0.411	0.846	0.048	4.42E-13	27
Myc	0.296	0.923	0.041	4.98E-13	27
Mllt3	-0.325	1	0.075	8.61E-13	27
Igkc	-0.365	1	0.075	8.61E-13	27
Sytl2	-0.388	1	0.075	8.61E-13	27
Slfn9	-0.514	1	0.075	8.61E-13	27
Cdkn3	0.851	0.769	0.021	2.25E-12	27
Degs2	0.958	0.923	0.048	2.64E-12	27
Me1	0.437	1	0.082	2.88E-12	27
Reg1	-0.362	0.846	0.055	6.37E-12	27
Gkn3	-0.345	1	0.082	7.51E-12	27
Lyar	-0.362	1	0.082	7.51E-12	27
Gbp7	-0.396	1	0.082	7.51E-12	27
Arl14	-0.426	1	0.082	7.51E-12	27
Sprr1a	-0.431	1	0.082	7.51E-12	27
Cpn1	-0.300	0.923	0.048	9.02E-12	27
Ly6d	-0.316	0.923	0.048	9.02E-12	27
Mcm6	-0.325	0.923	0.048	9.02E-12	27
Gstp2	0.492	1	0.089	2.06E-11	27
Cyp4v3	0.263	0.538	0.014	2.42E-11	27
Crip2	0.631	0.923	0.055	4.57E-11	27
Cdkn1a	-0.310	0.154	0.034	5.23E-11	27
Ppp1r15a	-0.433	1	0.089	5.53E-11	27
Gm4841	-0.319	0.769	0.048	5.65E-11	27
Gbp4	-0.486	0.923	0.075	6.72E-11	27
Plvap	-0.449	0.846	0.062	7.02E-11	27
Tmed6	0.430	0.154	0.034	8.13E-11	27
Melk	-0.314	0.923	0.055	8.85E-11	27
Edem1	-0.348	0.923	0.055	8.85E-11	27
Ppt1	-0.394	0.923	0.055	8.85E-11	27
Sgk1	0.320	0.154	0.041	1.89E-10	27
Kif23	-0.257	1	0.096	3.26E-10	27

S100a13	-0.486	1	0.096	3.50E-10	27
Tpx2	-0.579	1	0.096	3.50E-10	27
Apoa4	0.656	0.692	0.021	4.20E-10	27
Try10	0.703	0.154	0	5.98E-10	27
Anpep	-0.329	0.923	0.062	7.03E-10	27
Dut	0.363	1	0.103	7.34E-10	27
Soat1	-0.437	0.154	0.055	1.35E-09	27
Ect2	-0.887	0.077	0.151	1.76E-09	27
Gclc	-0.321	1	0.103	1.94E-09	27
Smpd3	-0.349	1	0.103	1.94E-09	27
Cdca8	0.962	0.923	0.103	4.58E-09	27
Tyms	0.920	0.154	0.055	4.64E-09	27
Fam3b	-0.319	0.923	0.068	4.66E-09	27
S100a1	0.378	1	0.116	1.42E-08	27
Esco2	-0.610	0.923	0.096	1.61E-08	27
Creb3l4	-0.403	0.923	0.075	2.63E-08	27
Cxcl10	-0.520	0.769	0.068	4.02E-08	27
H2-DMb1	-0.363	1	0.116	4.18E-08	27
Hamp2	-0.470	1	0.116	4.18E-08	27
Hist1h2ae	-0.546	1	0.116	4.18E-08	27
Igtp	-0.550	1	0.116	4.18E-08	27
Sox4	-0.590	1	0.116	4.18E-08	27
Hes1	-0.400	1	0.123	1.67E-07	27
Icam1	-0.352	0.846	0.068	2.47E-07	27
Tmem176a	0.304	0.923	0.089	2.59E-07	27
Basp1	0.723	0.846	0.048	2.70E-07	27
Lockd	0.299	0.846	0.048	3.59E-07	27
Akr1c14	-0.271	0.846	0.048	5.12E-07	27
Tk1	0.513	0.923	0.096	5.61E-07	27
Pglyrp1	-0.576	1	0.13	6.07E-07	27
H2-DMb2	-0.586	1	0.13	6.07E-07	27
Irf1	-0.642	1	0.13	6.07E-07	27
Lypd8	0.856	1	0.144	6.34E-07	27
Parm1	0.781	0.231	0.021	1.08E-06	27
Hmmr	-0.708	0.923	0.116	1.21E-06	27
Gm10639	1.137	0.769	0.014	1.90E-06	27
Gsdmc2	0.289	1	0.144	2.04E-06	27
Ptpn18	-0.585	0.923	0.096	2.15E-06	27
Cenpe	-0.701	0.923	0.123	4.19E-06	27
Esrrg	-0.362	0.692	0.048	4.54E-06	27
Emp1	-0.785	0.154	0.164	4.68E-06	27
Gbp2b	-0.672	1	0.144	6.36E-06	27
Ppp1r3a	-0.754	1	0.144	6.36E-06	27
Kcnj16	-0.354	0.231	0.041	7.39E-06	27
Creld2	-0.550	0.923	0.103	7.53E-06	27
Cdk1	-0.972	0.154	0.178	8.12E-06	27
Papss2	-0.289	0.846	0.062	1.05E-05	27
Bace2	0.533	1	0.164	1.24E-05	27
Ttr	0.595	0.231	0.041	1.26E-05	27
Dpcr1	1.668	1	0.199	1.78E-05	27

Irgm1	-0.855	1	0.151	1.85E-05	27
Rbp7	-0.449	0.615	0.062	2.00E-05	27
Lpl	0.664	0.154	0	2.11E-05	27
Gm26532	0.717	0.846	0.068	2.15E-05	27
Me2	0.569	0.231	0.055	3.49E-05	27
Hspb1	-0.528	0.231	0.062	3.63E-05	27
Pam	0.518	0.231	0.055	3.71E-05	27
Hist1h1c	-0.452	0.846	0.068	3.91E-05	27
Tipin	-0.487	0.846	0.068	3.91E-05	27
Cxcl9	-0.651	0.692	0.082	4.20E-05	27
2210404E10Rik	-0.324	0.923	0.116	6.41E-05	27
Sprr2a1	0.542	1	0.178	7.65E-05	27
Smc2	-0.456	0.846	0.123	7.87E-05	27
Lgr4	-0.604	0.231	0.075	8.25E-05	27
Clca3a2	-0.743	0.923	0.144	0.000108572	27
Pcna	-0.758	1	0.164	0.000130634	27
Sox9	-0.616	1	0.164	0.000130639	27
Bst2	-0.709	1	0.164	0.000130639	27
Iigp1	-0.885	1	0.164	0.000130639	27
Prima1	0.609	0.231	0.027	0.000142123	27
Serpinh1	0.833	0.231	0.068	0.000187652	27
Gsn	0.408	0.846	0.082	0.000193399	27
Ckb	0.573	0.769	0.034	0.000208482	27
Cd74	-1.434	1	0.959	0.000228466	27
Pla2g10	-0.462	0.231	0.103	0.0002883	27
Chka	-0.721	1	0.171	0.000319709	27
Tstd1	-0.742	0.231	0.116	0.000466245	27
Plk2	-0.286	0.538	0.034	0.000495342	27
Hist1h4n	-0.776	0.923	0.13	0.00050219	27
Tpm1	0.861	1	0.212	0.000508961	27
Dusp1	-0.744	1	0.178	0.000744782	27
Apoa1	0.783	1	0.199	0.000797651	27
F830016B08Rik	-0.535	0.538	0.062	0.000823895	27
Tst	0.265	0.846	0.096	0.001382433	27
Fdps	0.596	0.923	0.158	0.001457324	27
H2-DMa	-0.488	1	0.185	0.001657489	27
S100a14	1.065	0.308	0	0.002841023	27
Vstm2b	0.594	0.692	0	0.002841023	27
Esd	0.798	1	0.26	0.004326273	27
Nr4a1	0.300	0.769	0.055	0.005906564	27
Pbk	0.679	0.615	0.103	0.006165561	27
Nr4a2	-0.371	0.769	0.055	0.008479976	27
Klf4	0.700	1	0.253	0.00977105	27
Ucp2	1.442	1	0.562	0.010186422	27
Scgb2b7	0.357	0.308	0	0.011090285	27
Gkn2	1.880	1	0.452	0.012056109	27
Mal	-0.263	0.308	0.027	0.016438908	27
Tnn	0.538	0.308	0.027	0.019357624	27
Gkn1	1.759	1	0.664	0.029111303	27
Aldh3a1	0.500	0.308	0.041	0.030661423	27

Mgst2	-0.588	0.846	0.116	0.030706028	27
Gm3839	0.572	0.692	0.014	0.031212025	27
Id1	0.721	1	0.288	0.036522088	27
Nupr1	0.427	0.308	0.041	0.037505052	27
Serpinb1a	-0.383	0.308	0.055	0.045503721	27
Far1	-0.599	1	0.219	0.050521027	27
Ubd	-0.815	1	0.219	0.050521027	27
Wars	-0.882	1	0.219	0.050521027	27
H2-T23	-0.916	1	0.219	0.050521027	27
Tff1	1.364	1	0.911	0.062082962	27
Anxa3	0.451	0.308	0.055	0.066335537	27
Aurkb	1.073	0.308	0.041	0.07124193	27
Ctsl	0.273	0.308	0.062	0.082671601	27
C2cd4a	-0.669	0.308	0.082	0.085302013	27
Sst	-0.713	0.308	0.082	0.085302013	27
Ly6e	-0.804	1	0.226	0.090582132	27
Clic1	0.551	1	0.274	0.095977284	27
Nqo1	0.599	0.308	0.068	0.100778485	27
Anxa1	0.375	0.308	0.068	0.100778485	27
Hbegf	-0.410	0.769	0.075	0.105936486	27
Slbp	-0.709	0.308	0.116	0.136200434	27
mt-Nd3	-0.711	1	0.233	0.138514636	27
Ccnb1	-0.460	0.308	0.137	0.187072766	27
Aurka	-0.438	0.154	0.062	0.19968364	27
Hist1h1e	-0.667	0.846	0.137	0.216514118	27
Cxcl17	-0.504	0.923	0.192	0.224266159	27
Lmnb1	0.470	0.769	0.089	0.245066727	27
Id2	-0.940	0.923	0.192	0.273840742	27
Ccnb2	1.186	0.308	0.075	0.326985708	27
Idi1	-0.652	0.923	0.199	0.445492857	27
Pclaf	0.366	0.923	0.24	0.66897226	27
Bpifb1	-1.471	1	0.253	0.715484536	27
Ube2c	1.233	0.923	0.377	0.964928251	27
Timp3	-0.365	0.538	0.055	1	27
Cfi	-0.468	0.769	0.103	1	27
Top2a	-0.431	0.923	0.253	1	27
Gstp1	-0.910	0.385	0.479	1	27
2200002D01Rik	-0.409	0.923	0.226	1	27
Ppp2r1b	0.455	0.692	0.048	1	27
H2afx	-0.781	0.846	0.164	1	27
A4gnt	-0.347	0.692	0.048	1	27
Cd36	-0.423	0.615	0.055	1	27
Hmgcs1	-0.774	1	0.274	1	27
Mcm5	0.262	0.692	0.055	1	27
Id3	-0.307	1	0.295	1	27
Atp4b	0.964	0.846	0.219	1	27
Birc5	0.645	0.846	0.219	1	27
Ifrd1	-0.669	0.769	0.116	1	27
Fgfbp1	-0.862	0.385	0.212	1	27
Foxq1	-0.554	1	0.295	1	27

Tuba1b	0.742	0.923	0.377	1	27
B930036N10Rik	0.395	0.385	0.014	1	27
Pdlim1	-0.332	0.692	0.068	1	27
Agpat2	-0.468	0.692	0.068	1	27
Cdc20	-0.789	0.385	0.13	1	27
Rrm2	-0.491	0.615	0.075	1	27
Sfn	-0.350	0.385	0.041	1	27
Sult1d1	-0.517	0.385	0.103	1	27
Mt2	-0.330	0.385	0.192	1	27
Cyr61	-0.361	0.385	0.048	1	27
Tcim	-0.518	0.385	0.068	1	27
Zfp36	-1.309	1	0.301	1	27
Fkbp11	-0.352	0.615	0.041	1	27
Ier3	0.875	0.385	0.034	1	27
Slc45a3	0.993	0.615	0.007	1	27
Tubb5	0.747	0.923	0.425	1	27
Fabp3	0.632	0.385	0.055	1	27
Wfdc2	0.365	0.769	0.178	1	27
Ptgr1	0.270	0.385	0.151	1	27
Pde4b	-0.451	0.231	0.048	1	27
Nfe2l2	0.309	0.846	0.281	1	27
S100a11	1.036	1	0.589	1	27
Cks1b	0.922	0.692	0.11	1	27
Pga5	-0.596	0.769	0.164	1	27
Krt8	0.824	1	0.829	1	27
Ifi27	-0.897	0.769	0.164	1	27
Tmem176b	-0.621	0.692	0.096	1	27
Gsdma2	0.399	1	0.356	1	27
Neat1	-0.669	1	0.349	1	27
Rps2	-0.301	0.462	0.527	1	27
Phlda1	-0.904	0.769	0.171	1	27
H2afz	-0.511	0.846	0.801	1	27
Car2	0.864	0.846	0.671	1	27
H2-Aa	-1.156	1	0.664	1	27
Prdx1	-0.429	0.692	0.836	1	27
Gm42418	0.436	1	0.979	1	27
Actb	-0.437	0.923	0.884	1	27
Hells	-0.679	0.692	0.116	1	27
Oit1	-0.777	0.615	0.541	1	27
C2cd4b	-0.553	0.615	0.082	1	27
Gm26917	-1.940	1	0.658	1	27
Egln3	-0.262	0.615	0.041	1	27
Gsto1	0.314	0.462	0.438	1	27
Ggh	1.242	0.615	0.062	1	27
Malat1	-0.480	1	0.932	1	27
Vsig1	-0.486	0.615	0.575	1	27
Sult1c2	0.644	0.769	0.267	1	27
Gsr	0.976	0.769	0.425	1	27
Thbs1	-0.536	0.231	0.075	1	27
Gsta4	0.597	0.923	0.678	1	27

Cotl1	-0.358	0.462	0.13	1	27
Sdcbp2	-0.316	0.462	0.123	1	27
Tesc	0.851	0.615	0.068	1	27
Gm42047	-0.308	0.154	0.055	1	27
Cst3	-0.707	0.538	0.322	1	27
Cavin3	-0.290	0.154	0.041	1	27
Gfpt1	-1.130	1	0.384	1	27
Maged2	0.846	0.154	0	1	27
AY036118	1.137	1	0.918	1	27
Agr2	0.399	0.923	0.589	1	27
Krt19	1.048	1	0.658	1	27
Tkt	0.641	0.462	0.226	1	27
Gm10260	0.500	0.462	0.13	1	27
Oxct1	0.433	0.462	0.123	1	27
Mt1	-0.319	0.846	0.801	1	27
Hist1h2ap	-1.613	1	0.397	1	27
Tuba1c	0.586	0.462	0.185	1	27
Nfkbia	-0.373	0.462	0.055	1	27
Msn	-0.385	0.154	0.055	1	27
Fabp4	-0.896	0.615	0.123	1	27
Hist1h2af	0.429	0.154	0.062	1	27
Sprr2a3	2.440	1	0.767	1	27
Fbln1	-0.373	0.462	0.041	1	27
Rflnb	0.504	0.846	0.39	1	27
Hspa1a	-1.612	0.615	0.329	1	27
Cyp2s1	0.410	0.462	0.041	1	27
Insig1	0.615	0.615	0.103	1	27
Plk1	0.748	0.462	0.041	1	27
Rbp2	0.346	0.615	0.096	1	27
Bex4	0.427	0.462	0.034	1	27
Muc5ac	-0.565	0.538	0.24	1	27
Prc1	-0.842	0.462	0.144	1	27
AW112010	0.984	1	0.452	1	27
Nme2	0.333	1	0.658	1	27
Tubb4b	1.021	0.615	0.308	1	27
H2-Ab1	-0.905	1	0.582	1	27
Dmbt1	-1.575	1	0.425	1	27
Cym	-0.939	1	0.459	1	27
Kpna2	0.401	0.615	0.13	1	27
Rdx	0.389	0.231	0.021	1	27
Atf3	-0.989	0.538	0.178	1	27
Rpl17	-0.355	0.769	0.63	1	27
Rpl9-ps6	0.542	1	0.747	1	27
Pla2g1b	0.719	1	0.986	1	27
Col4a2	-0.476	0.231	0.062	1	27
Muc6	-1.733	1	0.445	1	27
Lars2	-1.470	1	0.555	1	27
S100a6	1.104	1	0.637	1	27
Tmsb10	0.454	1	0.911	1	27
Ly6a	-1.289	1	0.452	1	27

Pigr	-1.157	1	0.452	1	27
2210407C18Rik	0.739	1	0.699	1	27
Bcr	-0.294	0.385	0.034	1	27
Cytip	-0.285	0.462	0.034	1	27
Arf2	-0.252	0.462	0.041	1	27
Gstm1	0.346	0.615	0.39	1	27
H2-Eb1	-0.682	1	0.473	1	27
Prnp	-0.261	0.538	0.041	1	27
Dnajb1	-1.095	0.615	0.219	1	27
Rps15	-0.308	1	0.637	1	27
Chia1	0.338	0.615	0.397	1	27
Stmn1	0.467	0.615	0.212	1	27
Atp5k	-1.063	1	0.548	1	27
Hspa1b	-1.735	1	0.486	1	27
Cebpb	0.948	0.538	0.075	1	27
Ltc4s	0.553	0.308	0.007	1	27
3110079O15Rik	0.278	1	0.024	2.76E-12	29
Cd52	-0.267	1	0.024	2.76E-12	29
Jchain	-0.299	0.857	0.024	1.32E-09	29
Dqx1	0.748	1	0.06	6.72E-08	29
Mal	-0.270	1	0.06	1.58E-07	29
Hbb-bs	-0.373	1	0.06	1.58E-07	29
Dbndd2	0.508	1	0.072	7.75E-07	29
Ptgr1	0.376	1	0.084	6.31E-06	29
Ddah2	-0.506	0	0.169	7.53E-06	29
Iigp1	-0.295	1	0.084	1.72E-05	29
Rgs1	-0.620	0.857	0.06	2.14E-05	29
Ifrd1	0.635	1	0.096	2.26E-05	29
Glipr1	-0.269	0.143	0.048	4.62E-05	29
Foxq1	0.346	1	0.096	5.08E-05	29
Igkc	-0.649	1	0.096	0.000112016	29
Myc	-0.258	0.143	0.06	0.000128991	29
Ncf2	-0.267	0.714	0.048	0.000236996	29
Vsig1	0.384	1	0.108	0.000245164	29
Nupr1	-0.282	0.857	0.036	0.000360403	29
Agl	-0.280	1	0.108	0.000575291	29
Me1	-0.288	1	0.108	0.000575291	29
Trp53inp1	-0.308	1	0.108	0.000575291	29
Cym	-0.347	1	0.108	0.000575291	29
H2-DMa	-0.390	1	0.108	0.000575291	29
Spink4	-0.888	1	0.108	0.000575291	29
H1fx	-0.433	0.143	0.084	0.000640109	29
Ccdc34	-0.301	0.143	0.108	0.002092749	29
Hba-a1	-0.326	0.571	0.036	0.002681745	29
Bmp2	0.294	1	0.145	0.003284427	29
Hspa1b	0.429	1	0.145	0.008326246	29
Igsf5	-0.303	1	0.133	0.008720993	29
Muc6	-1.145	1	0.133	0.008720993	29
Atf3	-0.718	0.143	0.157	0.010492436	29
Parm1	-0.276	0.857	0.06	0.012759947	29

Hbegf	-0.455	0.143	0.169	0.014120847	29
Slbp	-0.261	1	0.145	0.02247101	29
Gif	-0.386	1	0.145	0.027266264	29
Ly6a	-0.522	1	0.145	0.027266264	29
Cotl1	-0.330	1	0.157	0.052740845	29
Gkn3	-0.380	1	0.157	0.075798586	29
Irf1	-0.494	1	0.157	0.075798586	29
Hmgn2	-0.793	0.143	0.277	0.078271777	29
Chia1	0.588	1	0.193	0.111830572	29
Ptgs2	-0.331	0.571	0.06	0.130181386	29
Cdkn1c	-1.256	0.143	0.361	0.191530794	29
AY036118	2.207	1	0.229	0.194932075	29
Igtp	-0.297	1	0.181	0.37436104	29
Bpifb1	-0.563	1	0.181	0.37436104	29
Ghrl	0.655	1	0.241	0.43357924	29
Cebpb	-0.472	1	0.181	0.438453851	29
Hes1	-0.510	0.857	0.096	0.447870437	29
Lgals3	-0.284	0.571	0.072	0.507195191	29
Tgm2	0.348	0.286	0.024	0.532113738	29
Hamp2	-0.371	0.714	0.012	0.563029632	29
Fabp5	-0.348	1	0.193	0.868415494	29
AW112010	-0.481	1	0.193	0.935017113	29
Oxct1	0.395	1	0.217	1	29
Hap1	0.527	1	0.253	1	29
Hotairm1	-0.615	0.714	0.12	1	29
Nfe2l2	-0.366	1	0.205	1	29
Cd44	-0.357	1	0.205	1	29
Ifitm3	-0.530	1	0.205	1	29
S100a6	-0.731	1	0.205	1	29
Flvcr2	-0.368	0.286	0.084	1	29
Fam46c	0.315	0.286	0.072	1	29
Snhg18	-0.375	0.286	0.108	1	29
Hgfac	-0.316	0.286	0.108	1	29
Agr2	-0.542	1	0.217	1	29
Stmn1	-0.297	0.286	0.169	1	29
Prr15	0.309	0.286	0.096	1	29
Clic6	-0.483	0.286	0.205	1	29
Tkt	-0.321	0.286	0.181	1	29
Esd	-0.679	0.286	0.265	1	29
Sult1c2	-0.432	0.286	0.193	1	29
Gsr	0.262	1	0.277	1	29
Sdcbp2	-0.330	0.286	0.169	1	29
Bmx	0.873	1	0.313	1	29
Bst2	-0.340	0.286	0.169	1	29
Serpinb1a	-0.390	1	0.241	1	29
Gipc2	0.728	1	0.325	1	29
Id3	-0.889	0.286	0.289	1	29
Dgat2	0.398	0.714	0.048	1	29
H2-Eb1	-0.689	1	0.241	1	29
Atp4b	0.569	0.714	0.06	1	29

Sprr2a3	-1.131	1	0.253	1	29
Creb3l4	0.291	0.714	0.06	1	29
Ano7	0.326	1	0.398	1	29
Kcnk3	-0.272	0.286	0.036	1	29
Mgst2	-0.315	1	0.265	1	29
Hmgb2	-0.712	1	0.265	1	29
Sema7a	0.303	0.714	0.072	1	29
Zfp428	0.560	1	0.482	1	29
Cyba	-0.309	1	0.277	1	29
Ptgs1	0.341	1	0.361	1	29
Plek	-0.250	0.286	0.048	1	29
Fabp1	-0.748	0.286	0.205	1	29
Rpl9-ps6	0.719	0.857	0.277	1	29
Spib	0.605	1	0.542	1	29
1810010D01Rik	-0.514	0.714	0.084	1	29
Ly6e	-0.509	1	0.301	1	29
Nebl	0.486	1	0.458	1	29
Gstm1	-0.336	0.857	0.205	1	29
Ucp2	0.588	1	0.627	1	29
Phgr1	-0.250	0.571	0.036	1	29
Mt2	1.083	0.714	0.108	1	29
Lgals2	-0.326	0.857	0.217	1	29
Sh2d7	0.319	1	0.518	1	29
AA467197	-1.092	0.429	0.289	1	29
Avil	0.466	1	0.747	1	29
Krt19	-0.662	0.857	0.217	1	29
Dusp1	-0.530	0.429	0.253	1	29
Rps15	-1.124	1	0.771	1	29
Pik3r5	0.427	1	0.639	1	29
Pla2g1b	-0.266	1	0.446	1	29
Mt1	-0.514	0.429	0.398	1	29
Gm11361	-0.448	0.429	0.277	1	29
Tspan6	0.668	1	0.506	1	29
Gclc	-0.745	0.857	0.229	1	29
Ly6g6f	0.359	1	0.639	1	29
H2-Ab1	-0.487	1	0.325	1	29
Prnp	-0.437	0.429	0.181	1	29
Id1	-0.412	0.429	0.289	1	29
Trpm5	0.402	1	0.675	1	29
Clps	-0.368	1	0.482	1	29
Mxd1	-0.255	0.429	0.169	1	29
Gpx2	-0.405	1	0.361	1	29
Mgst3	-1.077	0.714	0.614	1	29
Idi1	-0.833	0.857	0.241	1	29
Lgals4	0.353	0.714	0.169	1	29
Clic1	-0.587	0.571	0.578	1	29
Gkn2	-0.335	1	0.41	1	29
Ethe1	-0.657	0.571	0.566	1	29
Pgc	-0.632	1	0.422	1	29
1810046K07Rik	0.351	1	0.446	1	29

Alox5ap	0.549	1	0.747	1	29
Car2	-0.829	0.714	0.639	1	29
Smpd3	-0.696	1	0.349	1	29
Hepacam2	0.352	1	0.53	1	29
Lars2	1.084	0.714	0.253	1	29
Nrgn	0.251	1	0.458	1	29
H2-K1	0.463	1	0.807	1	29
Malat1	-1.117	1	0.988	1	29
Clu	-0.338	1	0.434	1	29
Gnat3	-0.335	0.857	0.289	1	29
Gsta4	-0.682	0.571	0.434	1	29
Gm26917	-1.764	0.571	0.47	1	29
Pcolce2	0.430	0.286	0.084	1	29
Usp50	-0.416	0.714	0.145	1	29
Gm11808	-0.724	1	0.361	1	29
Lgr4	0.432	0.429	0.12	1	29
Tff2	-1.275	1	0.386	1	29
Oasl1	0.251	0.429	0.036	1	29
Ifi27l2b	0.828	0.429	0.072	1	29
Myo15b	0.465	1	0.458	1	29
Cela1	0.303	0.429	0.024	1	29
Gadd45g	-0.335	0.857	0.301	1	29
Tuba1a	0.623	1	0.59	1	29
Plac8	-0.637	1	0.843	1	29
Chil1	0.497	0.429	0.06	1	29
Furin	-0.431	0.714	0.157	1	29
Irf7	0.692	0.714	0.253	1	29
Ptpn18	0.663	1	0.867	1	29
Tmem158	0.354	0.714	0.265	1	29
Abhd2	-0.332	1	0.494	1	29
Gstp1	0.292	0.714	0.229	1	29
Spdef	0.542	0.429	0.133	1	29
H2afz	-0.600	0.857	0.627	1	29
4930539E08Rik	0.328	0.714	0.217	1	29
Phlda1	0.553	0.857	0.422	1	29
Cd74	-0.962	1	0.434	1	29
Tpm1	0.413	0.857	0.422	1	29
Hmgcs1	-0.402	1	0.482	1	29
Rpl23a	-0.622	1	0.699	1	29
Ms4a8a	0.274	0.714	0.253	1	29
Csrp1	-0.347	0.714	0.193	1	29
Rps2	-1.223	1	0.663	1	29
Ppp2r1b	-0.256	0.571	0.036	1	29
mt-Nd3	-1.109	1	0.614	1	29
Atp5k	-0.440	1	0.723	1	29
Nfkbia	-0.368	0.571	0.313	1	29
Rpl17	-0.665	1	0.723	1	29
Prr13	-0.360	0.714	0.47	1	29
Psca	-0.481	0.571	0.277	1	29
S100a11	-0.824	1	0.614	1	29

2200002D01Rik	-0.429	0.857	0.398	1	29
Krt7	-0.269	0.714	0.229	1	29
Prdx1	-0.544	1	0.518	1	29
Tff1	-0.931	1	0.711	1	29
Pou2f3	0.490	0.571	0.434	1	29
Ckmt1	-0.344	0.857	0.434	1	29
Pate4	-1.001	0.571	0.193	1	29
Mfge8	-0.277	0.571	0.084	1	29
Insig1	-0.444	0.714	0.325	1	29
Gm8113	-0.311	0.143	0.096	1	29
2210407C18Rik	-0.304	0.571	0.193	1	29
Strip2	-0.669	0.714	0.47	1	29
Limd2	-0.683	0.857	0.47	1	29
Apobec1	-0.295	0.286	0.096	1	29
Crip1	-0.271	1	0.892	1	29
Hck	0.341	1	0.687	1	29
Siglecf	-0.345	0.571	0.325	1	29
Cyr61	-0.375	0.571	0.096	1	29
Cdkn1a	-0.380	0.857	0.518	1	29
Chka	0.730	0.571	0.169	1	29
Neat1	-0.494	1	0.807	1	29
Gkn1	-0.490	0.714	0.506	1	29
Matk	-0.987	0.857	0.566	1	29
Degs2	0.397	0.571	0.181	1	29
Il21r	0.267	1	0.024	1.11E-06	30
Epsti1	0.251	1	0.024	1.11E-06	30
Igkv19-93	-0.438	1	0.024	1.11E-06	30
Igkv4-80	-2.796	1	0.024	1.11E-06	30
Igkv8-21	-3.671	1	0.036	0.000107367	30
Gm8369	0.265	1	0.048	0.002299152	30
Pclaf	-0.295	1	0.048	0.002299152	30
Pgd	-0.293	1	0.06	0.020775864	30
Gpx2	-0.470	1	0.06	0.020775864	30
Isg15	-0.470	1	0.06	0.020775864	30
Lypd8	-0.477	1	0.06	0.020775864	30
Bpifb1	-0.520	1	0.06	0.020775864	30
Ighv1-14	-3.134	1	0.06	0.020775864	30
Vim	-0.697	0	0.108	0.082303805	30
Rflnb	-0.286	1	0.072	0.109311796	30
Oit1	-0.413	1	0.072	0.109311796	30
Hamp2	-0.267	1	0.084	0.400604047	30
Mllt3	-0.334	1	0.084	0.400604047	30
Ifrd1	-0.323	0	0.145	0.426181938	30
Pcna	-0.393	0	0.145	0.426181938	30
Phlda1	-0.592	0	0.145	0.426181938	30
Clu	-0.902	0	0.145	0.426181938	30
S100a6	-0.988	0	0.169	0.905697319	30
Abhd2	-0.269	1	0.096	1	30
Gsta4	-0.330	1	0.096	1	30
Klf4	-0.388	1	0.096	1	30

Ighj2	-0.399	1	0.096	1	30
Muc6	-0.410	1	0.096	1	30
Ighv5-4	-3.886	1	0.096	1	30
Krt8	-1.320	1	0.108	1	30
Far1	-0.296	1	0.12	1	30
Krt19	-0.649	1	0.12	1	30
Cym	-0.841	1	0.12	1	30
Ifi203	0.300	1	0.145	1	30
Gif	-0.475	1	0.133	1	30
Apoa1	-0.581	1	0.133	1	30
Mgst3	-0.866	1	0.133	1	30
Gem	0.813	1	0.181	1	30
Hist1h2ap	-0.370	1	0.145	1	30
Tkt	-0.373	1	0.145	1	30
Ighg3	-3.078	0.5	0.048	1	30
Hmgb2	-0.359	1	0.157	1	30
Hist1h2bc	-0.281	1	0.169	1	30
Gm26825	-0.306	1	0.169	1	30
Ighg2b	-1.659	1	0.169	1	30
Kctd12	-0.253	1	0.181	1	30
Atp2a3	-0.490	1	0.181	1	30
Selplg	0.467	1	0.325	1	30
Tnfrsf13c	-0.325	1	0.193	1	30
Hist2h2aa1	-0.349	1	0.193	1	30
Ctse	-0.652	1	0.205	1	30
Car2	-0.658	1	0.205	1	30
H2-T23	-0.377	1	0.217	1	30
2210407C18Rik	-1.606	1	0.217	1	30
Ly6d	1.381	1	0.386	1	30
Tubb5	-0.346	1	0.229	1	30
Rgs10	0.272	1	0.301	1	30
Dusp1	0.941	1	0.386	1	30
Capg	0.434	1	0.386	1	30
Hspa1b	-0.917	1	0.253	1	30
Psca	-0.993	1	0.253	1	30
Psmb8	0.826	1	0.602	1	30
Nfkbia	0.369	1	0.542	1	30
Cd79b	0.321	1	0.446	1	30
H2-Aa	-0.275	1	0.301	1	30
Gstp1	-0.449	1	0.265	1	30
Crip1	0.507	1	0.578	1	30
Cd74	0.548	1	0.904	1	30
Zfp36	0.387	1	0.554	1	30
Ctss	0.323	1	0.434	1	30
Iglc1	-2.328	1	0.458	1	30
Ly6a	0.442	1	0.506	1	30
Ghrl	-0.950	1	0.301	1	30
Jchain	0.333	1	1	1	30
Trbc2	-0.275	1	0.313	1	30
Gkn1	-2.260	0.5	0.398	1	30

Gm26917	-1.260	0.5	0.386	1	30
H2-Ab1	0.417	1	0.566	1	30
Tnfrsf17	-0.477	0.5	0.422	1	30
Trbv1	-1.301	1	0.325	1	30
Iglc2	0.490	1	0.867	1	30
Tff2	-1.153	0.5	0.337	1	30
Iglc3	1.108	1	0.711	1	30
Hspa1a	-1.209	0.5	0.325	1	30
Gm11808	-0.298	1	0.337	1	30
Iglv3	0.264	1	0.614	1	30
Chia1	-1.279	0.5	0.289	1	30
Cybb	-0.658	0.5	0.422	1	30
Lars2	-0.940	0.5	0.313	1	30
Fkbp11	-0.326	0.5	0.458	1	30
Igha	-2.117	1	0.675	1	30
S100a11	-0.495	0.5	0.265	1	30
Cd28	-0.505	0.5	0.193	1	30
Agr2	-0.951	0.5	0.217	1	30
Basp1	-0.546	0.5	0.229	1	30
Trp53inp1	-0.951	1	0.723	1	30
Sprr2a3	-1.331	0.5	0.277	1	30
Ikzf3	-0.290	0.5	0.181	1	30
Ucp2	-0.524	1	0.434	1	30
Dnajb1	-0.423	0.5	0.446	1	30
Gm30211	-0.400	1	0.47	1	30
Msn	-0.267	0.5	0.169	1	30
Rhoh	-0.318	0.5	0.169	1	30
Atp4b	-0.415	0.5	0.169	1	30
Tubb4b	-0.450	0.5	0.169	1	30
Gkn2	-1.442	0.5	0.241	1	30
Laptm5	-0.407	0.5	0.157	1	30
Cks1b	-0.408	0.5	0.157	1	30
Tagln2	-0.300	0.5	0.205	1	30
Mki67	-0.277	0	0.12	1	30
Cd69	-0.576	1	0.47	1	30
AY036118	-2.093	1	0.41	1	30
Rpl9-ps6	-1.107	1	0.422	1	30
Neat1	-0.399	1	0.614	1	30
Serpina3f	-0.272	0	0.108	1	30
Ighv5-6	-1.117	0	0.108	1	30
Zfp36l2	-0.361	0.5	0.12	1	30
Mef2c	-0.403	1	0.542	1	30
Igkj2	-0.394	0.5	0.12	1	30
Rpl17	-0.426	1	0.783	1	30
mt-Nd3	-0.339	1	0.458	1	30
Anxa10	-0.613	0.5	0.096	1	30
Gm42418	-2.887	1	0.627	1	30
Ly6c2	-0.406	1	0.892	1	30
Tigit	-0.308	0.5	0.084	1	30
Iglv1	-0.735	1	0.831	1	30

Glipr1	-0.553	1	0.494	1	30
Lgals1	-0.460	1	0.506	1	30
Igkv1-135	-1.600	0.5	0.072	1	30
Apobec1	-0.292	0.5	0.06	1	30
Ighj4	-1.142	0.5	0.06	1	30
Igkv16-104	-2.520	0.5	0.06	1	30
Igkv10-96	-4.342	0.5	0.06	1	30
Emp3	-0.376	1	0.458	1	30
Ly6c1	-1.318	1	0.566	1	30
Trbc1	-1.042	1	0.59	1	30
Pga5	-0.280	0.5	0.048	1	30
Igkv5-48	-4.433	0.5	0.048	1	30
Clps	-2.746	1	0.554	1	30
Slpi	-1.572	1	0.819	1	30
Malat1	-0.590	1	0.928	1	30
Atp5k	-0.289	1	0.518	1	30
Eaf2	-0.500	1	0.53	1	30
Pgc	-2.480	1	0.542	1	30
Pla2g1b	-2.484	1	0.542	1	30
Tmsb10	-0.296	1	0.675	1	30
Cd83	0.488	0.5	0.096	1	30
Dpcr1	-0.457	0.5	0.036	1	30
Smc4	0.317	0.5	0.133	1	30
Gm26532	0.521	0.5	0.145	1	30
Actb	-0.344	1	0.795	1	30
Smpd3	-0.297	0.5	0.024	1	30
Nme2	-0.824	1	0.518	1	30
Derl3	-0.520	1	0.53	1	30
Maged2	0.250	0.5	0.036	1	30
Tff1	-2.454	1	0.554	1	30
Creld2	-0.331	1	0.735	1	30
Cd52	-0.416	1	0.831	1	30
Hist1h1b	0.533	0.5	0.048	1	30
Rpl23a	-0.392	1	0.639	1	30
Igkv10-94	3.918	0.5	0.036	1	30
C2	0.424	0.5	0.024	1	30
Srgn	-0.316	1	0.663	1	30
Sncg	-2.234	0	0.5	8.45E-07	31
Aspn	-2.234	0	0.5	8.45E-07	31
Mmp12	-2.234	0	0.5	8.45E-07	31
Higd1b	-2.234	0	0.5	8.45E-07	31
Nrip2	-2.234	0	0.5	8.45E-07	31
Plau	-2.156	0.025	0.5	0.747291091	31
H2-K1	2.489	1	0	1	31
Sprr2a3	2.349	1	0	1	31
Gsta4	2.098	1	0	1	31
S100a11	1.926	1	0	1	31
Bpifb1	1.904	1	0	1	31
H2-Ab1	1.583	1	0	1	31
Neat1	1.549	1	0	1	31

Psmb8	1.512	1	0	1	31
Rpl17	1.508	1	0	1	31
Lypd8	1.382	1	0	1	31
Klf4	1.335	1	0	1	31
Tkt	1.286	1	0	1	31
Ctse	1.219	1	0	1	31
Gm26917	1.180	1	0	1	31
Ly6e	1.099	1	0	1	31
Ugdh	1.074	1	0	1	31
Pga5	1.047	1	0	1	31
H2-DMa	1.030	1	0	1	31
Gfpt1	0.999	1	0	1	31
Me1	0.961	1	0	1	31
mt-Nd3	0.846	1	0	1	31
Ppp1r3a	0.762	1	0	1	31
Arl6ip1	0.755	1	0	1	31
Plac8	0.734	1	0	1	31
Rflnb	0.734	1	0	1	31
Cotl1	0.709	1	0	1	31
Tubb5	0.704	1	0	1	31
Isg15	0.697	1	0	1	31
Mfge8	0.659	1	0	1	31
Gbp2	0.636	1	0	1	31
Ndrg1	0.577	1	0	1	31
Gstp2	0.558	1	0	1	31
Tmem176a	0.557	1	0	1	31
Cks1b	0.539	1	0	1	31
Dusp5	0.531	1	0	1	31
Cel	0.530	1	0	1	31
Lgmn	0.517	1	0	1	31
Vtn	0.511	1	0	1	31
Dut	0.504	1	0	1	31
Spink4	0.504	1	0	1	31
Sox9	0.497	1	0	1	31
Serpinb9	0.496	1	0	1	31
Vars2	0.485	1	0	1	31
Cks2	0.475	1	0	1	31
Il2rg	0.473	1	0	1	31
Irf7	0.472	1	0	1	31
Ano7	0.461	1	0	1	31
Rgs1	0.457	1	0	1	31
Ms4a6c	0.456	1	0	1	31
Arl14	0.452	1	0	1	31
Gclc	0.436	1	0	1	31
Hmgb2	0.425	1	0	1	31
Gldc	0.423	1	0	1	31
Timp3	0.417	1	0	1	31
Msmo1	0.412	1	0	1	31
Wars	0.408	1	0	1	31
Tmem54	0.407	1	0	1	31

Pgd	0.388	1	0	1	31
2200002D01Rik	0.384	1	0	1	31
Ets1	0.381	1	0	1	31
Igha	0.379	1	0	1	31
Snhg18	0.376	1	0	1	31
Rnase1	0.364	1	0	1	31
Gcnt3	0.338	1	0	1	31
Hbb-bs	0.330	1	0	1	31
Ddit4	0.324	1	0	1	31
Rac2	0.314	1	0	1	31
Iigp1	0.312	1	0	1	31
Ptprc	0.309	1	0	1	31
Esrrg	0.299	1	0	1	31
A4gnt	0.290	1	0	1	31
Plaur	0.287	1	0	1	31
Hamp	0.279	1	0	1	31
Dqx1	0.268	1	0	1	31
Ubd	0.258	1	0	1	31
Tpm1	-1.675	0.875	1	1	31
Oxct1	-1.764	0.75	1	1	31
Atp5k	-2.195	1	1	1	31
Gkn1	2.460	1	0.5	1	31
Chia1	2.840	0.988	0	1	31
Mt1	2.424	0.988	0	1	31
Gsto1	1.245	0.988	0	1	31
Oit1	1.050	0.988	0	1	31
Nfkbia	0.963	0.988	0	1	31
Ptgr1	0.917	0.988	0	1	31
Id1	0.396	0.988	0	1	31
Pdlim1	0.337	0.988	0	1	31
Ube2s	0.321	0.988	0	1	31
Gsdmc2	0.308	0.988	0	1	31
Gjb1	0.265	0.988	0	1	31
C2	0.256	0.988	0	1	31
Agr2	-1.296	1	1	1	31
H2-Aa	-1.486	1	1	1	31
Cst3	-1.746	0.8	1	1	31
Muc5ac	2.190	0.975	0	1	31
Rpl9-ps6	2.101	0.975	0	1	31
Gstp1	1.650	0.975	0	1	31
Ghrl	-1.150	1	1	1	31
Clic1	-1.513	1	1	1	31
Ehd3	-2.233	0.075	0.5	1	31
Nov	-2.146	0.062	0.5	1	31
Gng11	-2.051	0.062	0.5	1	31
Tff1	0.640	1	1	1	31
Zfp36	1.315	0.95	0	1	31
Ucp2	1.176	0.95	0	1	31
Tst	0.491	0.95	0	1	31
Lgals7	0.401	0.95	0	1	31

Pla2g1b	0.492	1	1	1	31
Cfh	-2.249	0.1	0.5	1	31
Gsr	0.764	0.938	0	1	31
Sdcbp2	0.302	0.938	0	1	31
Pcna	0.264	0.938	0	1	31
Pmm1	0.253	0.938	0	1	31
S100a6	-0.703	1	1	1	31
Aqp4	-2.089	0.125	0.5	1	31
Insig1	-2.177	0.125	0.5	1	31
Dcn	1.219	0.925	0	1	31
AY036118	1.904	1	1	1	31
Mustn1	-2.031	0.15	0.5	1	31
Hmgcs1	-2.065	0.15	0.5	1	31
Lbh	-1.966	0.162	0.5	1	31
Lgals1	1.894	0.912	0	1	31
Adh7	0.252	0.912	0	1	31
Pmp22	-1.899	0.175	0.5	1	31
Spdef	-2.037	0.175	0.5	1	31
Ggh	-2.088	0.188	0.5	1	31
Cald1	-2.000	0.212	0.5	1	31
Mylk	-1.967	0.15	0.5	1	31
Creld2	0.303	0.112	0	1	31
Pdlim3	0.279	0.112	0	1	31
Rgs5	-3.841	0.225	0.5	1	31
Gm42418	0.642	1	1	1	31
Krt8	-0.623	1	1	1	31
1810010D01Rik	0.845	0.875	0	1	31
Kcne2	-1.958	0.262	0.5	1	31
Tgm2	-1.961	0.262	0.5	1	31
Cldn10	0.273	0.138	0	1	31
Fabp4	0.263	0.138	0	1	31
Rcn1	0.257	0.138	0	1	31
Cd59a	0.333	0.15	0	1	31
Barx1	0.301	0.15	0	1	31
Gm10260	0.580	0.838	0	1	31
Fdps	0.319	0.838	0	1	31
Crip2	0.298	0.162	0	1	31
Papss2	-1.946	0.325	0.5	1	31
Lrpprc	-2.233	0.112	0.5	1	31
Serpinh1	-1.724	0.338	0.5	1	31
Cxcl17	-1.930	0.338	0.5	1	31
Fxyd1	0.614	0.15	0	1	31
Mmp23	0.279	0.175	0	1	31
Nr4a1	0.265	0.175	0	1	31
Ccdc3	0.259	0.175	0	1	31
Ckb	0.717	0.812	0	1	31
Ier3	0.669	0.812	0	1	31
Prnp	0.580	0.188	0	1	31
Sparcl1	0.401	0.188	0	1	31
Gm3336	0.308	0.188	0	1	31

Cyp2s1	0.257	0.188	0	1	31
Car2	1.410	0.8	0	1	31
Furin	0.787	0.8	0	1	31
Efemp1	0.306	0.2	0	1	31
Lgals2	0.811	0.988	0.5	1	31
Phlda1	-2.022	0.412	0.5	1	31
Anxa10	0.805	0.788	0	1	31
Lgals9	0.683	0.788	0	1	31
Cavin3	0.464	0.212	0	1	31
Nrn1	0.346	0.212	0	1	31
Ccdc80	0.261	0.212	0	1	31
Fa2h	0.260	0.212	0	1	31
Mgp	0.254	0.212	0	1	31
Ctsl	-1.681	0.438	0.5	1	31
Tesc	0.628	0.775	0	1	31
Nupr1	0.570	0.775	0	1	31
Ethe1	0.392	0.775	0	1	31
Sult1b1	0.263	0.225	0	1	31
Clu	-0.349	1	1	1	31
Lars2	-0.431	1	1	1	31
Bst2	-1.463	0.45	0.5	1	31
Chga	0.899	0.762	0	1	31
S100a10	0.633	0.238	0	1	31
Lhfp	0.334	0.238	0	1	31
Nbl1	0.331	0.238	0	1	31
Igfbp3	0.289	0.238	0	1	31
Lmo4	0.261	0.238	0	1	31
Ccdc34	0.257	0.238	0	1	31
Cavin1	0.256	0.238	0	1	31
Ifrd1	0.251	0.762	0	1	31
Pla2g10	0.251	0.238	0	1	31
Gkn2	0.668	0.988	0.5	1	31
Nfe2l2	-1.668	0.488	0.5	1	31
Mef2c	-2.870	0.238	0.5	1	31
Krt19	1.016	0.75	0	1	31
Dusp1	0.997	0.75	0	1	31
Igfbp6	0.547	0.75	0	1	31
Ifi27l2a	0.412	0.25	0	1	31
Anxa1	0.370	0.25	0	1	31
Rnf186	0.290	0.25	0	1	31
Hspa1a	-1.506	0.5	0.5	1	31
Fbln1	0.350	0.262	0	1	31
C2cd4a	0.340	0.262	0	1	31
Gm20400	0.262	0.262	0	1	31
Malat1	0.410	1	1	1	31
Igfbp5	-1.451	0.512	0.5	1	31
Anxa2	0.801	0.725	0	1	31
Igfbp4	0.698	0.725	0	1	31
Ifi27	0.683	0.725	0	1	31
Cd34	0.447	0.275	0	1	31

Col3a1	0.399	0.275	0	1	31
Fxyd6	0.361	0.275	0	1	31
Copz2	0.311	0.275	0	1	31
Cdkn1c	0.374	0.288	0	1	31
Cela1	0.279	0.288	0	1	31
Gsdma2	0.264	0.288	0	1	31
Sptssb	1.010	0.7	0	1	31
Ptgis	0.501	0.3	0	1	31
Gm26532	0.456	0.3	0	1	31
Cryab	0.414	0.3	0	1	31
Hes1	0.305	0.3	0	1	31
Hist2h2aa1	0.254	0.7	0	1	31
Esd	-1.764	0.6	0.5	1	31
Gstm1	-1.552	0.612	0.5	1	31
Sparc	0.459	0.312	0	1	31
Pdlim4	0.273	0.312	0	1	31
Golm1	-1.744	0.638	0.5	1	31
Actg2	0.716	0.675	0	1	31
Nkain4	0.526	0.325	0	1	31
Dbndd2	0.420	0.325	0	1	31
Serping1	-1.470	0.662	0.5	1	31
Myl9	-1.986	0.65	0.5	1	31
Gsn	0.652	0.662	0	1	31
Rarres2	0.501	0.338	0	1	31
Timp2	0.392	0.338	0	1	31
Atp4a	0.504	0.962	0.5	1	31
Slc5a5	0.532	0.338	0	1	31
Vim	1.110	0.65	0	1	31
Flna	0.502	0.35	0	1	31
Cyr61	0.462	0.35	0	1	31
Klf2	0.375	0.35	0	1	31
Bace2	0.351	0.35	0	1	31
Tmsb10	0.398	1	1	1	31
Hspa1b	-1.729	0.7	0.5	1	31
H2afz	0.904	0.638	0	1	31
Atf3	0.728	0.638	0	1	31
Foxq1	0.583	0.638	0	1	31
Id3	0.525	0.362	0	1	31
Wfdc2	0.406	0.362	0	1	31
Des	0.371	0.362	0	1	31
Gm3776	0.351	0.362	0	1	31
Kcnj16	0.349	0.362	0	1	31
Mal	0.330	0.638	0	1	31
Gpm6b	0.357	0.162	0	1	31
Fabp3	0.388	0.625	0	1	31
Mgst2	0.356	0.375	0	1	31
C2cd4b	0.332	0.375	0	1	31
Prdx1	0.360	1	0.5	1	31
Sult1c2	-1.521	0.75	0.5	1	31
Try4	0.646	0.612	0	1	31

Slc26a9	0.451	0.388	0	1	31
Gm3839	0.447	0.388	0	1	31
Hist1h2bc	0.485	0.4	0	1	31
Pthlh	0.460	0.4	0	1	31
Ldhb	0.252	0.6	0	1	31
Apoe	-0.707	0.775	0.5	1	31
Mogat1	-1.654	0.8	0.5	1	31
Tagln2	-0.789	0.8	0.5	1	31
Mt2	0.824	0.588	0	1	31
Nqo1	0.483	0.412	0	1	31
Cnn1	0.260	0.412	0	1	31
Igfbp7	0.720	0.425	0	1	31
Enpp2	0.635	0.575	0	1	31
Tcim	0.493	0.425	0	1	31
Ifitm3	-1.299	0.85	0.5	1	31
Fer1l6	-2.196	0.712	0.5	1	31
Ckmt1	0.715	0.562	0	1	31
Tmem176b	0.686	0.562	0	1	31
Hamp2	0.628	0.562	0	1	31
C3	0.504	0.438	0	1	31
Tmed3	0.424	0.562	0	1	31
Zfp36l2	0.324	0.562	0	1	31
Sprr2a1	-2.079	0.888	0.5	1	31
Tpm2	0.708	0.55	0	1	31
Dnajb1	0.611	0.55	0	1	31
Hspb1	0.519	0.45	0	1	31
Apoa1	-1.454	0.9	0.5	1	31
Cmpk2	-2.199	0.838	0.5	1	31
Prr13	0.755	0.462	0	1	31
Tmed6	0.456	0.462	0	1	31
Aldh3a1	0.448	0.462	0	1	31
Fabp5	0.265	0.538	0	1	31
Nme2	-1.639	0.938	0.5	1	31
Ly6c1	-2.166	0.938	0.5	1	31
Cxcl13	0.602	0.525	0	1	31
Rbp2	0.490	0.475	0	1	31
Selenom	0.455	0.475	0	1	31
Clec3b	0.426	0.475	0	1	31
Vsig1	0.375	0.475	0	1	31
Idi1	0.281	0.475	0	1	31
Ttr	0.274	0.525	0	1	31
Psca	0.370	0.988	0.5	1	31
Dpcr1	-1.344	0.95	0.5	1	31
Tagln	-1.706	0.938	0.5	1	31
Sst	-2.113	0.95	0.5	1	31
Jchain	-2.216	0.912	0.5	1	31
Acta2	-0.995	0.95	0.5	1	31
Smim6	0.675	0.512	0	1	31
Csrp1	0.558	0.512	0	1	31
Emp1	-2.134	0.975	0.5	1	31

Gpx2	-1.308	1	0.5	1	31
Atp4b	-1.323	0.975	0.5	1	31
Tuba1b	-1.332	1	0.5	1	31
Lgals3	-1.460	1	0.5	1	31
Cox7a1	-1.879	0.988	0.5	1	31
S100a1	0.703	0.5	0	1	31
Ly6a	-0.711	1	0.5	1	31
Crip1	-0.732	0.988	0.5	1	31
Mgst3	-0.822	1	0.5	1	31
H2-Eb1	-0.903	1	0.5	1	31
Rpl23a	-0.906	1	0.5	1	31
Clic6	-1.002	1	0.5	1	31
Rps15	-1.031	1	0.5	1	31
AW112010	-1.167	1	0.5	1	31
Rps2	-1.401	1	0.5	1	31
Pigr	-1.413	1	0.5	1	31
Id2	-1.491	1	0.5	1	31
Cym	-1.644	1	0.5	1	31
Muc6	-1.727	1	0.5	1	31
Cyba	-1.737	1	0.5	1	31
Gipc2	-1.774	1	0.5	1	31
Cpn1	-1.808	1	0.5	1	31
2210404E10Rik	-1.844	1	0.5	1	31
Basp1	-1.854	1	0.5	1	31
Ptgds	-1.902	1	0.5	1	31
Igkc	-1.957	1	0.5	1	31
Sprr1a	-1.994	1	0.5	1	31
Plet1	-2.027	0.988	0.5	1	31
Serpinb1a	-2.035	1	0.5	1	31
H2-DMb1	-2.090	1	0.5	1	31
Slc9a3	-2.094	1	0.5	1	31
Dmbt1	-2.097	1	0.5	1	31
Igtp	-2.102	1	0.5	1	31
Gbp2b	-2.144	1	0.5	1	31
Abcg2	-2.169	0.988	0.5	1	31
Hist1h2ap	-2.177	0.988	0.5	1	31
Far1	-2.290	1	0.5	1	31
Cxcl12	0.868	1	0	1.27E-06	32
Pdlim3	-1.206	0	0.235	1.51E-06	32
Serpina1b	0.297	0.961	0	5.14E-06	32
Hamp2	0.264	0.98	0	5.76E-06	32
Abcc3	-0.251	0.02	0.118	5.78E-06	32
1200007C13Rik	0.290	0.961	0	1.14E-05	32
Tnfaip2	0.418	0.941	0	2.21E-05	32
Nrp1	0.331	0.902	0	7.97E-05	32
Reg3g	-0.290	1	0.059	0.000103183	32
Tmem54	-0.301	1	0.059	0.000103183	32
Has1	-0.303	1	0.059	0.000103183	32
Cdca3	-0.318	1	0.059	0.000103183	32
Rassf9	-0.325	1	0.059	0.000103183	32

Eng	-0.354	1	0.059	0.000103183	32
Gjb1	-0.440	1	0.059	0.000103183	32
Gipc2	-0.513	1	0.059	0.000103183	32
Rem1	-0.490	0.078	0.176	0.000191771	32
Cwh43	-0.448	0.98	0.059	0.000362429	32
Tnfrsf11b	-0.810	0.078	0.235	0.000511362	32
Agpat2	-0.282	0.098	0.176	0.001025899	32
F3	-0.757	0.118	0.235	0.001216453	32
Dusp5	-0.397	0.118	0.176	0.001714773	32
Cxcl1	0.787	1	0.118	0.002233601	32
Tipin	0.289	1	0.118	0.002770194	32
Cdkn1c	-0.332	0.118	0.059	0.003107075	32
Egfl7	0.312	0.745	0	0.00355693	32
Sprr2a1	-0.309	0.941	0.059	0.003844038	32
Chgb	-0.317	0.941	0.059	0.003844038	32
Gfpt1	-0.370	1	0.118	0.003950493	32
Gkn3	-0.281	1	0.118	0.004546876	32
Rfk	-0.376	1	0.118	0.004546876	32
Chil4	-0.278	1	0.118	0.004876595	32
Serpine2	-0.298	1	0.118	0.004876595	32
Phgr1	-0.435	1	0.118	0.004876595	32
Hist1h2ae	-0.449	1	0.118	0.004876595	32
Teddm3	-0.450	1	0.118	0.004876595	32
Sfn	-0.475	1	0.118	0.004876595	32
Ctse	-0.532	1	0.118	0.004876595	32
AA467197	-0.623	1	0.118	0.004876595	32
Col5a3	-0.319	0.902	0.059	0.006076502	32
1810010D01Rik	0.321	0.137	0	0.014773008	32
Ogn	-0.273	0.157	0.176	0.018144378	32
Slurp1	-0.300	0.941	0.118	0.02064822	32
Olr1	-0.419	0.941	0.118	0.02064822	32
Anxa8	-0.496	0.941	0.118	0.02064822	32
Synpo2	-0.361	0.941	0.118	0.026763937	32
Spink4	-0.294	0.922	0.118	0.032617736	32
Nr4a1	0.498	1	0.176	0.034792089	32
Cygb	-0.555	0.196	0.235	0.037722497	32
Gm26532	0.426	1	0.176	0.042136565	32
Hmox1	0.404	0.157	0	0.044790261	32
Cdkn1a	-0.574	0.176	0.118	0.046928778	32
Ifi211	0.291	1	0.176	0.047828942	32
Rtl8a	-0.355	0.176	0.235	0.051779713	32
Slbp	-0.434	0.176	0.118	0.06424066	32
Rbp4	-0.410	0.196	0.176	0.074071833	32
Gm26917	-0.666	0.196	0.176	0.074071833	32
Abca8a	0.253	0.157	0	0.074355224	32
H2-Eb1	0.813	1	0.235	0.075242109	32
Gpsm3	0.293	0.98	0.176	0.094701151	32
Sulf1	-0.323	1	0.176	0.100651682	32
Foxf1	-0.336	1	0.176	0.120702231	32
Cnmd	0.399	0.157	0	0.121689016	32

Fam46c	0.368	0.176	0	0.128355756	32
Ddit4	0.356	0.176	0	0.128355756	32
Chl1	0.317	0.176	0	0.128355756	32
Gm49083	0.297	0.176	0	0.128355756	32
Sult1c2	0.285	0.176	0	0.128355756	32
Sprr1a	-0.286	1	0.176	0.13611076	32
Pigr	-0.323	1	0.176	0.13611076	32
Bex1	-0.335	1	0.176	0.13611076	32
Clic3	-0.572	1	0.176	0.13611076	32
Pkhd1l1	0.347	1	0.235	0.155602368	32
Irf7	-0.293	0.196	0.059	0.198967	32
Igfbp2	-0.571	0.216	0.176	0.206003963	32
Scarb1	0.333	0.196	0	0.347751141	32
Fam84a	-0.272	0.941	0.176	0.347751141	32
Tnxb	-0.301	0.255	0.294	0.419980688	32
Prg4	-0.284	0.941	0.176	0.436099922	32
Fam25c	-0.440	0.941	0.176	0.436099922	32
Lamc2	-0.464	0.941	0.176	0.436099922	32
Krt14	-0.503	0.941	0.176	0.436099922	32
Mfap5	-0.393	0.216	0.059	0.497090045	32
Thy1	-0.283	0.961	0.176	0.54192875	32
Igfbp6	-0.784	1	1	0.716456374	32
Serpinf1	-0.307	1	0.235	0.72125565	32
Cyr61	-0.415	0.255	0.235	0.761369041	32
Gadd45b	0.513	0.922	0.176	0.794178899	32
Dclk1	0.500	0.784	0	0.890967838	32
Gfpt2	0.390	0.216	0	0.890967838	32
Cavin1	-0.764	0.804	0.824	1	32
Atp4a	-0.438	0.235	0.059	1	32
Lmo4	-0.315	0.294	0.353	1	32
B930036N10Rik	-0.496	0.941	0.176	1	32
Cst3	-0.769	1	1	1	32
Hmgcs1	-0.564	0.275	0.176	1	32
Wfdc2	-0.279	1	0.235	1	32
Mafb	-0.294	0.784	0.059	1	32
Hdc	0.318	0.196	0	1	32
Aqp1	-0.372	1	0.235	1	32
Saa3	2.420	0.765	0	1	32
Ccl2	1.694	0.235	0	1	32
Hmgb2	0.413	0.235	0	1	32
Plaur	0.393	0.235	0	1	32
Sirpa	0.376	0.235	0	1	32
Cenpw	0.349	0.235	0	1	32
Fkbp11	0.315	0.235	0	1	32
Edem1	0.262	0.235	0	1	32
Col12a1	-0.628	1	0.235	1	32
Steap4	0.269	1	0.294	1	32
Clic1	-0.650	0.765	0.765	1	32
Cpxm1	-0.270	0.255	0.059	1	32
Timp2	-0.480	0.922	0.941	1	32

Thbs1	-0.632	0.922	0.176	1	32
Isg15	0.293	0.941	0.235	1	32
Gbp7	0.286	0.255	0.059	1	32
Nfe2l2	-0.799	0.294	0.176	1	32
Cxcl2	0.957	0.745	0	1	32
Phlda1	0.287	0.255	0	1	32
Crip1	-0.674	1	1	1	32
Cotl1	0.260	0.784	0.059	1	32
Sfrp2	-0.901	0.941	0.235	1	32
Ckb	-0.282	0.294	0.118	1	32
Cav1	-0.791	0.961	0.882	1	32
Cxcl13	2.524	0.961	0.353	1	32
S100a10	-0.554	0.961	0.882	1	32
Bgn	0.372	0.294	0.176	1	32
Jam3	0.387	0.255	0	1	32
Srpx	0.352	0.275	0	1	32
Meg3	-0.749	1	0.824	1	32
Actb	-1.098	1	0.882	1	32
Emp3	-0.956	0.941	0.765	1	32
Podn	-0.358	0.922	0.235	1	32
Htra3	-0.509	0.294	0.059	1	32
S100a6	-0.425	1	1	1	32
Nid1	-0.570	0.98	0.294	1	32
Fam180a	-0.519	0.373	0.235	1	32
Lhfp	0.593	0.863	0.294	1	32
Hs3st1	-0.291	0.471	0.529	1	32
S100a4	-0.692	1	0.294	1	32
Cyp1b1	0.696	0.706	0	1	32
Tmem119	0.476	0.706	0	1	32
Kcnj8	0.467	0.294	0	1	32
Adamts1	0.392	0.294	0	1	32
Maff	0.318	0.294	0	1	32
Il18	-0.260	0.353	0.235	1	32
Ppp1r14a	-0.424	1	0.294	1	32
Smoc2	-0.596	1	0.294	1	32
Col5a1	-0.402	0.314	0.059	1	32
Fndc1	0.368	0.745	0.059	1	32
Rarres2	-0.706	0.961	0.882	1	32
2210407C18Rik	-0.768	0.98	0.294	1	32
Pcdh7	-0.388	0.333	0.118	1	32
Cebpb	0.637	1	0.647	1	32
Mt1	-0.735	0.941	0.824	1	32
Acsl1	0.375	0.176	0	1	32
Anxa2	-0.613	0.882	0.824	1	32
Fhl1	-1.009	0.471	0.353	1	32
Cldn3	0.619	0.314	0	1	32
Pdgfra	0.413	0.314	0	1	32
Cela1	0.329	0.314	0	1	32
Gm12840	-1.257	1	0.706	1	32
Cavin2	-0.735	0.549	0.471	1	32

Apln	0.456	0.294	0	1	32
Tm4sf1	-0.386	1	0.765	1	32
Mustn1	-0.286	0.765	0.118	1	32
Rdx	-0.326	0.922	0.294	1	32
Abhd2	-0.667	0.941	0.294	1	32
Krt7	-0.473	1	0.353	1	32
Cp	0.435	0.686	0.059	1	32
Hspg2	0.432	0.353	0.118	1	32
Plpp3	0.437	0.333	0	1	32
Dpt	0.297	0.667	0	1	32
Fcgr2b	0.254	0.333	0	1	32
Ndrg1	-0.257	0.922	0.294	1	32
Tmeff2	0.312	0.353	0.059	1	32
Slpi	-1.529	1	0.706	1	32
Gas1	-0.646	1	0.765	1	32
Gm2a	-0.269	0.471	0.353	1	32
Bcas1	0.280	0.235	0	1	32
Procr	-0.587	0.392	0.118	1	32
Gm11361	-0.399	1	0.353	1	32
Pla2g1b	-0.316	0.863	0.294	1	32
Upk1b	-0.925	1	0.353	1	32
Gpx3	-1.106	1	0.353	1	32
S100a1	-0.718	0.941	0.706	1	32
Krt19	-0.770	0.961	0.706	1	32
Csf1	-0.369	0.431	0.235	1	32
Hsd11b1	0.666	0.353	0	1	32
Bok	0.424	0.353	0	1	32
Fgl2	-0.618	1	0.353	1	32
Ltbp1	-1.025	1	0.353	1	32
Cldn15	-0.476	0.49	0.294	1	32
Irf1	0.305	0.392	0.118	1	32
Aldh1a2	-0.657	0.569	0.412	1	32
Lgals1	-0.711	0.98	0.706	1	32
Tmsb10	-0.366	1	0.882	1	32
Pde4b	0.324	0.353	0	1	32
Dmkn	-1.338	1	0.647	1	32
Mt2	-0.868	1	0.706	1	32
Col18a1	-0.281	0.529	0.412	1	32
Plac8	-0.280	1	0.706	1	32
Msn	-0.347	0.51	0.353	1	32
Msln	-0.880	1	0.706	1	32
Rnase4	-0.721	0.784	0.588	1	32
Lgals9	-0.370	0.431	0.176	1	32
Nbl1	-0.487	0.961	0.824	1	32
Ctla2a	0.335	0.588	0	1	32
Tst	-0.756	0.49	0.294	1	32
Rasl11a	-0.518	1	0.412	1	32
Ar	-0.447	0.471	0.235	1	32
Ccdc80	0.376	1	0.882	1	32
Rcn3	0.278	0.824	0.353	1	32

Vim	-0.515	0.98	0.706	1	32
Fstl1	-0.306	0.471	0.235	1	32
Serpinb1a	-0.493	1	0.412	1	32
Hist1h1c	-0.781	0.941	0.647	1	32
Il34	-0.324	0.412	0.059	1	32
Cd74	0.716	1	0.882	1	32
H2-T23	0.577	0.647	0.118	1	32
Cebpd	-0.435	0.451	0.176	1	32
Fbln2	0.387	0.647	0.059	1	32
Neat1	-0.399	1	0.471	1	32
Atf3	0.605	0.471	0.235	1	32
Ube2s	-0.363	1	0.412	1	32
Ramp2	0.599	0.392	0	1	32
Plvap	0.581	0.392	0	1	32
Hopx	0.342	0.392	0	1	32
Ecm1	-0.277	0.667	0.529	1	32
Mmp23	-0.556	0.843	0.294	1	32
Tdo2	-1.052	0.922	0.353	1	32
Pdpn	-0.351	0.627	0.471	1	32
Socs3	0.435	0.451	0.176	1	32
Nkain4	-0.353	0.941	0.529	1	32
Atp4b	0.335	0.412	0.059	1	32
Cfb	0.875	0.627	0.118	1	32
Anxa3	-0.424	0.784	0.235	1	32
Lgals7	-0.436	1	0.647	1	32
Prima1	-0.294	0.235	0.059	1	32
Csrp1	-0.407	0.647	0.471	1	32
Rpp25	0.274	0.431	0.118	1	32
Cnn2	-0.304	0.451	0.118	1	32
Col6a2	-0.339	0.569	0.353	1	32
Esd	-0.268	0.686	0.529	1	32
AY036118	1.112	0.667	0.176	1	32
Fgfbp1	-0.778	1	0.412	1	32
Gm11808	-0.827	1	0.412	1	32
Nupr1	-0.734	0.706	0.471	1	32
Vamp5	0.732	0.412	0	1	32
Serpina3n	0.361	0.412	0	1	32
Col14a1	-0.304	1	0.412	1	32
Usp50	-0.647	1	0.412	1	32
Ucp2	0.311	0.882	0.529	1	32
Cavin3	-0.256	0.843	0.706	1	32
Wfdc1	-0.362	0.725	0.529	1	32
Atp5k	-0.411	1	0.706	1	32
Pltp	0.602	0.608	0.059	1	32
Tgfbi	0.799	0.608	0.118	1	32
Gbp2	-0.344	0.686	0.471	1	32
mt-Nd3	-0.414	1	0.588	1	32
Ppp1r15a	0.524	0.431	0.059	1	32
Tuba1b	-0.433	0.765	0.529	1	32
Sparc	-0.286	0.922	0.706	1	32

Clec3b	-0.519	0.922	0.882	1	32
Krt8	-0.383	1	0.647	1	32
Lars2	0.659	0.569	0	1	32
Dbndd2	0.429	0.569	0	1	32
Spon2	0.256	0.431	0	1	32
Gatm	0.924	0.431	0.059	1	32
Wnt5a	-0.928	1	0.588	1	32
Vegfd	-0.492	0.725	0.235	1	32
Gsta4	0.296	1	0.529	1	32
S100a13	-0.437	0.569	0.235	1	32
Hpgd	-1.064	0.941	0.412	1	32
Hspb1	-0.420	0.922	0.647	1	32
Anxa1	-0.351	0.804	0.647	1	32
Ier3	0.801	0.667	0.294	1	32
Tff2	-0.705	1	0.471	1	32
Id4	-0.645	0.784	0.294	1	32
Pgc	-0.302	0.784	0.353	1	32
Nfkbia	0.509	0.569	0.353	1	32
Gm3839	0.250	0.471	0.059	1	32
Ugt1a7c	0.371	0.549	0	1	32
Tmem255a	0.325	0.451	0	1	32
C2	-0.495	0.824	0.588	1	32
Lgals3	-0.662	0.98	0.647	1	32
Gsn	0.297	0.608	0.118	1	32
C1s1	-0.474	0.824	0.529	1	32
Sprr2a3	-0.817	1	0.471	1	32
Tagln2	-0.418	0.843	0.529	1	32
Nme2	-0.579	0.745	0.294	1	32
Mgp	-0.538	0.745	0.529	1	32
Prdx1	-0.424	0.98	0.765	1	32
Igfbp7	-0.261	0.961	0.824	1	32
Prr15	-1.167	1	0.471	1	32
Wnt4	0.414	0.49	0.118	1	32
C1ra	-0.577	0.647	0.235	1	32
Tppp3	-0.533	0.745	0.294	1	32
Rpl9-ps6	-0.907	0.647	0.294	1	32
H2afz	-0.296	0.941	0.706	1	32
Bcam	-1.115	0.961	0.529	1	32
Hist1h2bc	-0.442	1	0.647	1	32
Adam15	0.434	0.471	0.059	1	32
Clps	-0.478	1	0.824	1	32
Cyba	-0.359	0.902	0.588	1	32
Fabp4	1.807	0.471	0	1	32
Ptges	0.466	0.471	0	1	32
Chia1	0.363	0.471	0	1	32
C4b	-0.393	1	0.647	1	32
Lrrn4	-0.559	1	0.647	1	32
Cldn10	-0.434	0.804	0.412	1	32
Spon1	0.461	0.549	0.294	1	32
Arf2	-0.296	0.569	0.176	1	32

Muc16	-0.757	1	0.529	1	32
Cfh	-0.300	0.961	0.529	1	32
Basp1	-0.853	1	0.529	1	32
Mfge8	-0.300	0.549	0.059	1	32
Pmp22	-0.436	0.843	0.471	1	32
Bst2	-0.420	0.941	0.706	1	32
Igfbp3	0.596	0.51	0.059	1	32
Tpm1	-0.631	0.627	0.294	1	32
Fxyd5	0.331	0.49	0	1	32
Tnfsf13	0.287	0.49	0	1	32
Prelp	0.297	0.549	0.118	1	32
Hotairm1	-0.727	1	0.529	1	32
Osr1	-0.596	0.627	0.235	1	32
Smpd3	-0.906	1	0.588	1	32
Zfp36	1.107	0.549	0.176	1	32
Cd200	-0.314	1	0.588	1	32
Nid2	-0.395	0.608	0.176	1	32
Lypd8	0.290	1	0	0.142311584	33
Pga5	0.264	1	0	0.142311584	33
Bex4	0.283	0.981	0	0.194775026	33
Trp53inp1	-0.278	0.038	0.167	0.494695509	33
Plvap	-0.412	0.058	0.333	0.810177376	33
Gsto1	0.630	0.942	0	0.887618731	33
Spp1	1.566	0.846	0	1	33
Tgfb3	0.629	0.923	0	1	33
Lmo4	-0.544	0.096	0.333	1	33
Idi1	-0.336	0.096	0.167	1	33
Arf2	-0.367	0.096	0.333	1	33
Ggh	-0.262	0.115	0.167	1	33
Fabp7	-0.280	0.115	0.167	1	33
Matn2	-0.308	0.115	0.167	1	33
Bace2	-0.319	0.135	0.167	1	33
Hmgcs1	0.520	0.115	0	1	33
F2r	0.421	0.115	0	1	33
Pla2g7	0.406	0.115	0	1	33
Serpinb1a	0.311	0.115	0	1	33
Tgm2	0.255	0.115	0	1	33
Isg15	-0.344	0.135	0.167	1	33
Ptch1	0.400	0.808	0	1	33
Nsg1	0.536	0.115	0	1	33
Copz2	-0.606	0.173	0.333	1	33
Plau	1.055	0.135	0	1	33
Sptssb	0.513	0.135	0	1	33
Atp4a	0.469	0.135	0	1	33
Spon2	0.456	0.135	0	1	33
Scarb1	0.383	0.135	0	1	33
Sox9	0.355	0.135	0	1	33
Nqo1	0.298	0.135	0	1	33
Oxct1	0.258	0.135	0	1	33
Hopx	0.615	1	0.167	1	33

Jam3	0.287	0.135	0	1	33
Ghrl	0.634	1	0.167	1	33
Sult1a1	0.619	0.154	0	1	33
Actg2	0.469	0.154	0	1	33
Krt19	0.368	0.846	0	1	33
Furin	0.287	0.154	0	1	33
Thy1	-0.399	0.192	0.333	1	33
Gm26917	0.281	1	0.167	1	33
Hmgn2	-0.408	0.192	0.333	1	33
Mfap2	-0.259	0.173	0.167	1	33
Zfp428	0.457	0.154	0	1	33
Pxdn	0.321	0.827	0	1	33
Incenp	-0.271	1	0.167	1	33
Gfpt1	-0.292	1	0.167	1	33
Tmem189	-0.331	1	0.167	1	33
Mdk	-0.365	1	0.167	1	33
H2-DMb2	-0.261	1	0.167	1	33
Creb3l4	-0.274	1	0.167	1	33
Klk1	-0.277	1	0.167	1	33
Gcnt3	-0.279	1	0.167	1	33
Hist1h4n	-0.281	1	0.167	1	33
Galnt6	-0.282	1	0.167	1	33
Plet1	-0.282	1	0.167	1	33
Racgap1	-0.282	1	0.167	1	33
Col11a2	-0.282	1	0.167	1	33
Wfdc18	-0.282	1	0.167	1	33
Birc5	-0.282	1	0.167	1	33
Nusap1	-0.282	1	0.167	1	33
Hells	-0.282	1	0.167	1	33
Plk1	-0.282	1	0.167	1	33
Pld4	-0.282	1	0.167	1	33
Tpx2	-0.282	1	0.167	1	33
Hist1h2bp	-0.282	1	0.167	1	33
Lockd	-0.282	1	0.167	1	33
Rrm2	-0.282	1	0.167	1	33
Ccnb1	-0.282	1	0.167	1	33
Spc24	-0.283	1	0.167	1	33
Lamc2	-0.284	1	0.167	1	33
Ar	-0.290	1	0.167	1	33
Cyp2s1	-0.292	1	0.167	1	33
Lrg1	-0.293	1	0.167	1	33
Gsdma2	-0.305	1	0.167	1	33
Adgrf5	-0.363	1	0.167	1	33
Gast	-0.375	1	0.167	1	33
Cd74	-0.405	1	0.167	1	33
Cd40	-0.432	1	0.167	1	33
Pigr	-0.448	1	0.167	1	33
Chka	-0.488	1	0.167	1	33
Ctse	-0.499	1	0.167	1	33
Gm3776	-0.504	1	0.167	1	33

Col15a1	-0.505	1	0.167	1	33
Il1r2	-0.507	1	0.167	1	33
Ifi211	-0.508	1	0.167	1	33
Mcpt1	-0.508	1	0.167	1	33
Alox15	-0.508	1	0.167	1	33
Rep15	-0.512	1	0.167	1	33
Spdef	-0.521	1	0.167	1	33
Uhrf1	-0.527	1	0.167	1	33
Slfn9	-0.535	1	0.167	1	33
Clu	-0.588	1	0.167	1	33
Mki67	-0.642	1	0.167	1	33
Cd36	-0.654	1	0.167	1	33
Hist1h2ap	-0.892	1	0.167	1	33
Ect2	-0.893	1	0.167	1	33
H2-T23	-1.006	1	0.167	1	33
Gm42047	-1.012	1	0.167	1	33
Top2a	-1.024	1	0.167	1	33
Ncf4	-1.095	1	0.167	1	33
Cxcl9	-1.299	1	0.167	1	33
Fabp4	-1.578	1	0.167	1	33
Ccl19	-1.624	1	0.167	1	33
Muc6	-2.152	1	0.167	1	33
Rasd1	1.302	0.173	0	1	33
1810010D01Rik	1.002	0.173	0	1	33
Hilpda	0.798	0.173	0	1	33
Nes	0.359	0.173	0	1	33
Rbpms2	0.319	0.173	0	1	33
Myc	0.334	0.981	0.167	1	33
Cxcl10	-0.668	0.981	0.167	1	33
Cavin1	0.294	0.962	0.167	1	33
Plpp3	0.360	0.962	0.167	1	33
Lmod1	0.420	0.135	0	1	33
Pttg1	0.344	0.808	0	1	33
C3	-0.439	0.981	0.167	1	33
Mef2c	0.376	0.942	0.167	1	33
Prnp	-0.278	0.231	0.333	1	33
Ddit4	1.019	0.192	0	1	33
Gm13861	0.470	0.192	0	1	33
Peg3	0.422	0.192	0	1	33
Sult1c2	0.369	0.192	0	1	33
Rnase4	0.266	0.192	0	1	33
Foxq1	0.254	0.192	0	1	33
Vcam1	-0.350	0.962	0.167	1	33
Id1	-0.451	0.231	0.167	1	33
Insig1	-0.291	0.962	0.167	1	33
Abi3bp	-0.298	0.231	0.167	1	33
Dpysl3	-0.382	0.962	0.167	1	33
Apoe	-0.524	0.962	0.167	1	33
Chrdl1	0.302	0.942	0.167	1	33
Pcolce	-0.619	0.558	0.833	1	33

Gbp4	-0.294	0.942	0.167	1	33
Lamb1	0.703	0.212	0	1	33
Prex2	0.680	0.212	0	1	33
Pltp	0.410	0.212	0	1	33
Ppp1r14a	0.403	0.212	0	1	33
Vamp5	-0.315	0.942	0.167	1	33
Ccrl2	-0.316	0.942	0.167	1	33
Ifitm3	-0.601	1	1	1	33
Lgals1	-1.211	0.769	0.833	1	33
Bok	0.326	0.25	0.167	1	33
Smtn	0.585	0.231	0	1	33
Cxcl14	0.531	0.231	0	1	33
Tesc	0.412	0.231	0	1	33
Bmp4	0.364	0.231	0	1	33
Tkt	-0.341	0.308	0.333	1	33
Tff1	0.952	1	0.667	1	33
Aoc3	-0.441	0.288	0.167	1	33
Crispld2	0.263	0.462	0	1	33
Jag1	0.308	0.25	0	1	33
Gkn1	0.664	0.962	0.333	1	33
Sod3	-0.325	0.327	0.333	1	33
Des	-0.491	0.577	0.833	1	33
Col3a1	-0.730	0.731	1	1	33
Tgfb1i1	-0.598	0.423	0.5	1	33
Rcn3	-0.309	0.308	0.167	1	33
Acot7	-0.348	0.885	0.167	1	33
Cavin3	-0.406	0.346	0.333	1	33
Sfrp1	-1.109	0.885	0.167	1	33
Ccdc80	-0.511	0.423	0.5	1	33
Ctgf	1.030	0.269	0	1	33
Hamp2	0.458	0.731	0	1	33
Ucp2	0.303	0.269	0	1	33
Dpcr1	0.288	0.269	0	1	33
Ltbp4	-1.003	0.327	0.167	1	33
Pgc	0.631	0.981	0.333	1	33
Igfbp7	-0.847	1	1	1	33
Prr13	0.288	1	0.333	1	33
Cxcl12	-0.383	0.404	0.5	1	33
Tuba1c	0.268	0.308	0.167	1	33
Cdkn1a	0.354	1	0.333	1	33
Gif	0.524	0.288	0	1	33
Anxa3	0.508	0.288	0	1	33
Tmem204	0.429	0.288	0.167	1	33
Apold1	0.314	0.327	0.167	1	33
Col18a1	-0.823	0.346	0.167	1	33
Rbp1	0.250	1	0.333	1	33
Cygb	-0.650	0.827	0.833	1	33
Gm10260	0.379	0.327	0.167	1	33
Agtr1a	-0.406	0.385	0.333	1	33
Igfbp5	0.405	1	0.333	1	33

Serping1	-0.429	0.769	0.667	1	33
Krt8	-0.261	1	0.333	1	33
Col6a1	-0.337	1	0.833	1	33
Nrp1	0.454	0.308	0	1	33
Dcn	0.302	0.962	0.333	1	33
Ifi27	-0.335	0.462	0.5	1	33
Sparc	-1.160	0.981	0.833	1	33
Tagln	0.591	0.962	0.333	1	33
Chst2	-0.381	1	0.333	1	33
AY036118	0.422	0.962	0.333	1	33
Cryab	-0.468	1	0.333	1	33
Ctsl	-0.326	0.519	0.5	1	33
Gbp7	-0.331	1	0.333	1	33
Gm13889	-0.621	1	0.833	1	33
Serpine2	-0.420	0.385	0.167	1	33
Barx1	-0.262	0.462	0.333	1	33
Mt2	-0.263	1	0.333	1	33
Far1	-0.293	1	0.333	1	33
Ccl2	-0.429	1	0.333	1	33
Thbs1	-0.438	1	0.333	1	33
Socs1	-0.536	1	0.333	1	33
Ckb	-0.390	0.481	0.5	1	33
Slc43a3	-0.422	1	0.333	1	33
Irf8	-0.691	1	0.333	1	33
Aspn	-0.276	0.5	0.5	1	33
Higd1b	-0.483	0.635	0.667	1	33
Gm3839	0.546	0.327	0	1	33
Fbn1	-0.371	0.981	0.333	1	33
Fstl1	-0.384	0.462	0.333	1	33
Sprr2a3	-0.928	1	0.333	1	33
Serpinh1	-0.512	0.788	0.667	1	33
Col1a2	-0.419	0.923	0.833	1	33
Lyar	-0.302	0.962	0.333	1	33
Igtp	-0.501	1	0.333	1	33
Mxra8	-0.591	0.442	0.333	1	33
Edem1	-0.694	1	0.333	1	33
Id2	-0.898	1	0.333	1	33
Gkn3	-0.923	1	0.333	1	33
Lst1	-0.411	0.981	0.333	1	33
Gm11808	-0.311	1	0.333	1	33
Ubd	-0.408	1	0.333	1	33
Gm4951	-0.482	1	0.333	1	33
Tnfaip3	-0.487	1	0.333	1	33
Ikzf2	-0.565	1	0.333	1	33
Gm12840	-0.740	1	0.333	1	33
Adamts4	-1.112	1	0.333	1	33
Gng11	-0.738	0.827	0.667	1	33
Tgfb1	0.449	0.308	0	1	33
Ifi47	-0.427	0.981	0.333	1	33
Bgn	-0.821	0.885	0.667	1	33

Mfge8	-1.135	0.981	0.833	1	33
Gas1	-0.453	0.981	0.333	1	33
Rgs16	-0.737	1	0.667	1	33
Htra1	-0.459	0.962	0.333	1	33
Tinagl1	-0.381	0.5	0.5	1	33
Tmem100	0.655	0.346	0	1	33
Snhg18	-0.259	0.942	0.333	1	33
Ethe1	-0.503	0.962	0.333	1	33
Tuba1b	0.452	0.962	0.5	1	33
Ccl11	-0.331	0.635	0.667	1	33
mt-Nd3	-0.504	1	0.667	1	33
Igfbp3	0.251	0.385	0.167	1	33
Chia1	0.457	0.904	0.333	1	33
Ehd2	-0.358	0.442	0.333	1	33
Dnajb1	0.537	0.5	0.667	1	33
Foxs1	0.389	0.423	0.333	1	33
Dbndd2	-0.445	0.519	0.333	1	33
Ednrb	-0.449	1	0.667	1	33
S100a6	-0.297	1	0.833	1	33
Id4	-0.487	0.962	0.333	1	33
Acvrl1	0.439	0.365	0.167	1	33
Cdc42ep3	-0.422	0.769	0.167	1	33
Mmp23	-0.274	0.942	0.333	1	33
Flna	1.120	0.365	0.167	1	33
S100a11	-0.738	0.731	0.667	1	33
Rpl23a	-0.268	1	0.833	1	33
Tipin	0.317	0.365	0	1	33
Tcim	-0.802	0.538	0.333	1	33
Rgs5	-0.746	0.981	1	1	33
Lgals9	0.337	0.423	0.167	1	33
Mgp	-0.328	0.904	0.333	1	33
Il34	-0.511	0.788	0.667	1	33
Tm4sf1	-0.558	0.75	0.667	1	33
Gimap6	0.676	0.385	0.167	1	33
Hotairm1	0.279	0.404	0.167	1	33
Rasl11a	-0.439	0.885	0.667	1	33
H2-K1	-0.424	1	0.833	1	33
Psca	0.740	0.692	0.167	1	33
Ramp1	-0.642	0.904	0.333	1	33
Vim	-0.478	0.577	0.5	1	33
Atp4b	0.974	0.385	0	1	33
Alkal2	0.816	0.385	0	1	33
Cd200	0.690	0.385	0	1	33
C1qtnf5	0.445	0.385	0	1	33
Rasgrp2	-0.963	0.577	0.333	1	33
Fam162b	-0.352	0.5	0.333	1	33
Baiap3	0.793	0.115	0	1	33
Atp5k	-0.462	0.981	0.667	1	33
Col1a1	-0.270	0.558	0.333	1	33
Cpe	-1.075	0.904	0.333	1	33

Dusp1	0.581	0.808	0.667	1	33
Ly6e	0.265	0.5	0.333	1	33
Tpm2	0.400	0.846	0.5	1	33
Zfp36	0.600	0.788	0.667	1	33
Emid1	-0.390	0.596	0.333	1	33
Cyba	-0.373	0.808	0.667	1	33
AW112010	-0.744	1	0.667	1	33
Tmsb10	-0.352	0.923	0.833	1	33
Eng	0.534	0.462	0.167	1	33
Mgst3	-0.456	0.788	0.667	1	33
Tuba1a	0.409	0.981	0.667	1	33
Irf1	0.517	1	0.5	1	33
Ifitm1	-0.749	0.962	0.833	1	33
Cebpb	0.478	1	0.667	1	33
Gadd45g	0.372	0.75	0.333	1	33
Gja4	-0.318	0.827	0.667	1	33
Bcr	1.024	0.423	0	1	33
Arl6ip1	0.495	0.423	0	1	33
Fhl1	-0.456	0.577	0.333	1	33
Lars2	0.415	1	0.5	1	33
Gucy1a1	0.267	0.865	0.667	1	33
Sparcl1	0.344	1	0.833	1	33
Crip2	-0.423	0.865	0.833	1	33
Mustn1	0.382	0.538	0.333	1	33
Slbp	-0.371	1	0.5	1	33
Tcf21	0.817	0.558	0	1	33
Pdlim3	0.806	0.442	0	1	33
Kcne4	-0.344	0.75	0.5	1	33
Ndufa4l2	-1.060	0.885	0.5	1	33
Klf2	1.561	0.462	0.167	1	33
Ltbp1	-0.395	0.654	0.333	1	33
Arhgdib	-0.427	1	0.667	1	33
Tagln2	-0.302	0.808	0.5	1	33
Nr4a1	1.372	0.481	0.5	1	33
Gstm1	-0.922	0.981	0.5	1	33
Parm1	0.373	1	0.667	1	33
Mylk	0.350	1	0.833	1	33
Mt1	0.698	1	0.667	1	33
Marcksl1	0.657	0.462	0	1	33
Heyl	0.351	0.538	0	1	33
Esam	0.260	0.462	0	1	33
Cfh	-0.540	0.788	0.333	1	33
Cyp4b1	-0.579	1	0.5	1	33
Tpm1	0.252	0.692	0.667	1	33
Atf3	0.507	0.596	0.333	1	33
Sox4	-0.811	0.788	0.333	1	33
Pdgfrb	-0.587	0.808	0.667	1	33
Palld	-0.510	0.558	0.167	1	33
Emp3	-0.448	0.788	0.5	1	33
S1pr3	-0.496	1	0.5	1	33

Tppp3	-0.622	0.962	0.5	1	33
Atp1b2	-0.852	0.731	0.333	1	33
Loxl2	-0.258	1	0.5	1	33
Serpina1b	-1.153	1	0.5	1	33
Timp3	-0.614	1	0.833	1	33
Tnxb	-0.949	1	0.5	1	33
1810011H11Rik	0.726	0.519	0.167	1	33
Sncg	-0.461	1	0.5	1	33
Gm26825	-0.429	1	0.5	1	33
Neat1	-0.835	0.981	0.5	1	33
Steap4	-0.736	0.942	0.5	1	33
Cyr61	0.334	0.981	0.667	1	33
Tff2	-0.834	0.731	0.333	1	33
Nid1	-0.409	0.942	0.5	1	33
Hmgb2	-0.648	1	0.5	1	33
Ly6a	-0.786	1	0.5	1	33
Kcnj8	-0.787	0.885	0.5	1	33
Gm26532	0.641	0.615	0.333	1	33
Enpp2	-0.951	1	0.5	1	33
Col6a3	-0.816	0.981	0.5	1	33
Id3	0.259	0.808	0.667	1	33
Anxa1	-0.276	1	0.667	1	33
04-Sep	-0.325	0.808	0.5	1	33
Ifrd1	-0.252	0.865	0.5	1	33
Tk1	-0.409	1	0.5	1	33
Fabp1	4.660	1	0	9.84E-09	34
Hsd17b6	1.317	1	0	9.84E-09	34
Iigp1	1.053	1	0	9.84E-09	34
Ubd	0.661	1	0	9.84E-09	34
Dmbt1	0.387	1	0	9.84E-09	34
Cox7a1	0.377	1	0	9.84E-09	34
Ido1	0.320	1	0	9.84E-09	34
Umod	0.257	1	0	9.84E-09	34
Gcnt3	0.254	1	0	9.84E-09	34
Lyz2	1.478	0.952	0	5.11E-08	34
Ecscr	-0.628	0	0.125	7.84E-08	34
Bicc1	-0.632	0	0.125	7.84E-08	34
Lgals9	2.116	1	0.031	1.65E-07	34
Serping1	1.333	1	0.031	1.65E-07	34
Atp4a	1.818	1	0.031	2.16E-07	34
Car3	4.636	0.905	0	2.51E-07	34
Apoa2	4.354	0.905	0	2.51E-07	34
Apoc3	4.123	0.905	0	2.51E-07	34
Ctss	0.866	0.905	0	2.51E-07	34
Muc5ac	0.854	1	0.031	2.83E-07	34
Ube2c	0.666	1	0.031	2.83E-07	34
Ctse	0.587	1	0.031	2.83E-07	34
Insig1	0.349	1	0.031	2.83E-07	34
Cd68	0.277	1	0.031	2.83E-07	34
Igtp	0.280	1	0.031	3.23E-07	34

Apoa1	3.475	1	0.188	7.52E-07	34
Cxcl17	0.583	0.952	0	8.26E-07	34
Vsig1	0.539	0.952	0	8.26E-07	34
Cald1	1.053	0.952	0.031	8.82E-07	34
Cd74	2.350	1	0.219	1.01E-06	34
Hpx	3.489	0.857	0	1.16E-06	34
Hamp	2.590	0.857	0	1.16E-06	34
Wfdc17	0.277	0.857	0	1.16E-06	34
Gsta3	2.424	1	0.094	1.33E-06	34
Mylk	-0.298	0.952	0.031	1.49E-06	34
Rbp4	3.647	0.905	0.062	1.59E-06	34
Phgdh	-0.377	0.048	0.156	3.45E-06	34
Cited2	-0.767	0.048	0.156	3.45E-06	34
Nr0b2	1.239	0.905	0	3.90E-06	34
AW112010	0.877	1	0.062	3.97E-06	34
Ly6c2	0.500	0.81	0	5.12E-06	34
Flna	-0.791	0.048	0.25	5.46E-06	34
Cp	-1.491	0.048	0.25	5.46E-06	34
Rarres2	0.594	0.905	0.031	5.72E-06	34
Irgm1	0.277	1	0.062	5.75E-06	34
Pga5	0.260	1	0.062	5.75E-06	34
Adamts1	-0.430	0	0.156	6.11E-06	34
Serpinb1a	0.365	1	0.062	7.34E-06	34
Sst	-0.289	1	0.062	7.34E-06	34
Cldn10	-0.540	1	0.062	7.34E-06	34
Igfbp7	-1.356	0.048	0.375	7.38E-06	34
Gstp1	3.448	1	0.375	1.16E-05	34
Rdx	-0.313	0.048	0.125	1.20E-05	34
Irf7	-0.414	0.952	0.031	1.64E-05	34
Serpina3k	4.615	0.857	0	1.74E-05	34
Mup3	4.330	0.857	0	1.74E-05	34
H2-Eb1	1.553	1	0.125	1.89E-05	34
Hpd	2.968	0.762	0	2.14E-05	34
Apoh	2.660	0.762	0	2.14E-05	34
Cpn1	0.799	0.905	0	4.54E-05	34
Tgm2	0.693	1	0.094	6.12E-05	34
Ahsg	3.464	0.762	0.031	6.41E-05	34
H2-Ab1	1.241	1	0.125	7.42E-05	34
Tinagl1	-0.430	0.095	0.125	7.42E-05	34
Gadd45b	-0.636	0.095	0.125	7.42E-05	34
Selenom	-0.715	0.095	0.125	7.42E-05	34
Adh7	-1.240	0.095	0.25	8.09E-05	34
Hmgn2	-0.930	0.095	0.219	8.16E-05	34
Fgg	3.309	0.714	0	8.49E-05	34
Serpina1b	3.035	0.714	0	8.49E-05	34
Apoc4	3.018	0.714	0	8.49E-05	34
Hp	2.850	0.714	0	8.49E-05	34
Wars	0.629	1	0.094	8.59E-05	34
Alb	3.557	0.905	0.125	9.61E-05	34
Acot7	-0.809	0.095	0.188	0.000100469	34

Lig1	-0.328	1	0.094	0.000120109	34
Rtl8a	-0.348	1	0.094	0.000120109	34
Col4a5	-0.432	1	0.094	0.000120109	34
Cryab	-0.459	1	0.094	0.000120109	34
Sftpd	-0.548	1	0.094	0.000120109	34
Ptgds	-0.551	1	0.094	0.000120109	34
Neurl3	-0.720	1	0.094	0.000120109	34
Prdx1	1.380	1	0.719	0.000158848	34
S100a4	-0.319	0.952	0.062	0.000212626	34
Cldn4	-0.918	0.095	0.375	0.000232325	34
Isg15	-1.061	0.952	0.062	0.000237393	34
Hpgd	-0.604	0.095	0.125	0.000259152	34
Plp1	-0.284	0.857	0.031	0.000270853	34
Ttr	3.056	0.905	0.156	0.000319454	34
Mup20	2.934	0.667	0	0.000321708	34
H2-Aa	1.264	1	0.188	0.000361475	34
Laptm5	-0.369	0.762	0.031	0.000397125	34
Rrad	-0.454	0.762	0.031	0.000397125	34
AA467197	-0.865	0.952	0.094	0.000432123	34
Muc6	0.557	1	0.188	0.000493782	34
Anxa2	-1.500	0.143	0.719	0.000521849	34
Spdef	-0.265	0.905	0.031	0.000568693	34
Ppp1r15a	-1.145	0.143	0.5	0.000621143	34
Gstp2	0.835	1	0.125	0.000713584	34
Nupr1	-2.518	0.143	0.312	0.000732421	34
Smim6	0.457	1	0.125	0.000791539	34
B930036N10Rik	-0.462	0.905	0.062	0.000873435	34
H2-T23	0.261	1	0.125	0.000972831	34
Dgat2	0.702	0.952	0.094	0.00102838	34
Palld	-0.712	0.143	0.281	0.001038724	34
Bpifb1	0.523	1	0.125	0.001077893	34
Mup7	2.839	0.619	0	0.001165096	34
Wfdc21	2.711	0.619	0	0.001165096	34
Fgb	2.533	0.619	0	0.001165096	34
Cebpd	-0.970	0.143	0.156	0.001354989	34
Dbndd2	0.451	0.952	0.094	0.00140056	34
Ccdc34	0.447	0.952	0.094	0.00140056	34
Igsf9	-0.409	1	0.125	0.001462893	34
Ddit4	-0.421	1	0.125	0.001462893	34
Mxd1	-0.658	1	0.125	0.001462893	34
Slc6a14	-0.734	1	0.125	0.001462893	34
Icam1	-0.864	1	0.125	0.001462893	34
Parm1	-0.473	0.143	0.094	0.001551263	34
Bex1	-0.615	0.143	0.094	0.001551263	34
Slco2a1	-0.291	0.143	0.062	0.001613308	34
Hist2h2aa1	-0.334	0.143	0.125	0.00161845	34
Kcne2	0.461	0.143	0	0.001634061	34
Fabp3	-0.362	0.143	0	0.001634061	34
Sult1c2	-0.386	0.143	0.031	0.001642665	34
Ifit1	-0.495	0.143	0.031	0.001642665	34

Tnni3	-0.552	0.143	0.031	0.001642665	34
Krt7	-0.632	0.143	0.219	0.001814842	34
Car2	-0.638	0.143	0.188	0.002027271	34
Ethe1	1.215	0.952	0.125	0.002186665	34
Cfb	1.279	0.905	0.062	0.002427696	34
Bcr	-0.328	0.952	0.094	0.002571079	34
8430408G22Rik	-0.496	0.952	0.094	0.002571079	34
Nqo1	-0.285	0.143	0.312	0.002849108	34
Ets1	-0.333	0.952	0.125	0.004655435	34
Akr1b8	-0.649	0.143	0.094	0.005136429	34
Apoc1	1.840	0.952	0.438	0.005136756	34
Fbp1	2.402	0.619	0.031	0.005191147	34
Tbc1d4	-0.371	0.905	0.062	0.005395364	34
Tagln2	-1.156	0.19	0.562	0.00547927	34
Mgll	0.741	0.143	0	0.006144657	34
Ucp2	-1.101	0.19	0.594	0.006251634	34
S100a10	-1.018	0.19	0.469	0.006618744	34
Slc40a1	0.807	0.143	0.031	0.007218447	34
S100a13	-0.922	0.19	0.281	0.009185391	34
Adh1	1.400	0.857	0.031	0.010024518	34
Smc4	0.815	0.857	0.031	0.011042312	34
Fga	2.885	0.571	0.031	0.013384813	34
Tnfaip3	-0.395	1	0.156	0.013639436	34
H2afx	-0.449	1	0.156	0.013639436	34
S100a1	1.122	1	0.219	0.01438708	34
Cdkn1a	-0.520	0.19	0.312	0.014799026	34
Anxa3	-0.521	0.19	0.25	0.015142875	34
Pdlim1	-0.593	0.19	0.281	0.018778741	34
Psmb8	0.904	1	0.188	0.019353043	34
Msmo1	-0.320	0.19	0.188	0.025286329	34
Pttg1	-0.482	0.19	0.094	0.025454971	34
Bst2	1.290	0.905	0.125	0.025772399	34
Rps2	-1.032	0.333	0.844	0.026368765	34
Ambp	0.801	1	0.219	0.02681582	34
Apoe	1.609	0.905	0.594	0.027111169	34
Pigr	0.756	1	0.188	0.027623934	34
Anxa10	-0.742	0.19	0.062	0.029707197	34
Mgst2	0.427	0.905	0.094	0.030510693	34
Oasl1	-0.346	0.19	0.031	0.034163781	34
Ldhb	-0.769	0.19	0.031	0.034163781	34
Fxyd1	0.312	1	0.188	0.03593752	34
Gc	3.201	0.667	0	0.036240648	34
Fabp5	-1.687	0.238	0.469	0.037246174	34
Gstm6	0.727	0.81	0	0.03867926	34
Ces2c	0.472	0.19	0	0.03867926	34
Fkbp11	0.269	0.19	0	0.03867926	34
Cdkn1c	-0.549	0.905	0.094	0.039924244	34
Creld2	1.199	0.857	0.062	0.042666132	34
Mup12	2.590	0.476	0	0.043011055	34
Sptssb	0.973	0.857	0.062	0.051013621	34

Krt5	-2.302	0.095	0.688	0.052064429	34
Gif	1.709	0.905	0.219	0.053482242	34
2210407C18Rik	1.292	1	0.219	0.058209748	34
Igfbp4	2.972	0.81	0.031	0.058819842	34
Gm11361	-0.297	1	0.188	0.071349046	34
Pgd	-0.356	1	0.188	0.071349046	34
Itih3	0.908	0.143	0	0.073627582	34
Serpina1c	0.731	0.143	0	0.073627582	34
Malat1	-1.745	1	0.969	0.083115534	34
Ovol1	-0.519	0.905	0.156	0.087642583	34
Klf2	-0.393	1	0.188	0.099671813	34
Spink4	-0.498	1	0.188	0.099671813	34
Thbs1	-0.616	1	0.188	0.099671813	34
Pla2g1b	1.070	1	0.688	0.106264716	34
Hspb1	-0.873	0.238	0.5	0.112031527	34
Mcm6	-0.369	0.857	0.094	0.116718449	34
Rassf9	-0.449	0.857	0.094	0.116718449	34
Fdps	1.380	0.905	0.156	0.120795176	34
Tpm1	-0.592	0.238	0.25	0.126861863	34
Cldn7	-0.927	0.238	0.312	0.129748526	34
Bhmt	2.227	0.429	0	0.132610897	34
Serpinc1	2.081	0.429	0	0.132610897	34
Mt2	-1.961	0.381	0.562	0.141571654	34
Chka	-0.378	0.952	0.156	0.142415949	34
Gkn2	1.428	0.952	0.469	0.170280016	34
Ces1f	0.760	0.19	0.094	0.177933806	34
Oxct1	-0.523	0.238	0.281	0.178248063	34
Pgc	1.448	0.952	0.688	0.181797363	34
Dusp1	-1.975	1	0.844	0.19063025	34
Fcgrt	0.298	0.81	0.062	0.214985291	34
Mt1	-1.565	0.429	0.75	0.216926304	34
Plau	-0.456	0.952	0.188	0.250539931	34
Chil4	-1.896	0.952	0.188	0.250539931	34
Adm	-0.411	0.238	0.094	0.303636694	34
Mllt3	0.536	0.952	0.188	0.307017567	34
Areg	-0.724	1	0.219	0.317790831	34
Cbr3	-0.277	0.238	0.062	0.386093466	34
Elovl3	2.088	0.381	0	0.394953567	34
Sult2a8	1.992	0.381	0	0.394953567	34
Itih4	1.145	0.714	0	0.398909909	34
Igfbp2	0.514	0.19	0.094	0.448423894	34
Cyp2d9	2.516	0.476	0	0.463951119	34
Rgs5	-0.750	0.714	0.062	0.471401939	34
Clps	0.881	1	0.75	0.519911825	34
Cym	0.271	1	0.312	0.521351444	34
Trf	1.237	0.238	0.031	0.568920738	34
Gjb1	0.560	0.238	0.031	0.568920738	34
St3gal4	-0.639	1	0.219	0.582460896	34
Cd14	-0.814	1	0.219	0.582460896	34
Hist1h2bc	0.918	0.238	0.031	0.665443559	34

C3	-0.382	0.952	0.219	0.681896318	34
Ltbp4	-0.556	0.952	0.188	0.761797753	34
Ghrl	1.001	0.952	0.219	0.781961662	34
Cldn3	-0.375	0.286	0.375	0.79330098	34
Gm3839	0.612	0.238	0.062	0.840661616	34
Serpina1a	1.664	0.333	0	1	34
Cyp3a25	1.541	0.333	0	1	34
Ccl9	1.266	0.333	0	1	34
Serpina3n	1.009	0.19	0	1	34
Aqp3	-0.565	0.952	0.219	1	34
Cd302	2.081	0.429	0	1	34
Nrarp	-0.501	0.81	0.125	1	34
2200002D01Rik	-0.460	1	0.25	1	34
Pid1	1.583	0.381	0.031	1	34
Hsd17b2	1.441	0.238	0	1	34
Nrep	0.592	0.714	0	1	34
Tst	0.961	0.905	0.25	1	34
Bgn	-0.252	0.714	0.062	1	34
Nr4a2	-1.046	0.857	0.125	1	34
Acsl1	0.731	0.81	0.094	1	34
Rps29	-0.650	1	1	1	34
Sox9	-0.551	1	0.25	1	34
Krt15	-1.301	0.095	0.594	1	34
Nr4a3	-0.903	0.714	0.125	1	34
Socs3	-1.086	1	0.25	1	34
Pon1	1.610	0.286	0	1	34
Hes1	-1.222	0.381	0.406	1	34
Ifitm1	-2.031	0.143	0.406	1	34
Mfge8	-1.300	0.381	0.375	1	34
Tff1	0.880	1	0.688	1	34
Hmgb2	-0.511	0.952	0.219	1	34
Epas1	-0.282	0.19	0.094	1	34
Cavin1	-0.492	0.333	0.219	1	34
Krt14	-2.784	0.095	0.469	1	34
F10	1.254	0.238	0	1	34
Agr2	0.379	0.286	0.188	1	34
Glipr1	-0.538	0.667	0.094	1	34
S100a11	-1.348	1	0.812	1	34
Serpinf1	2.140	0.524	0	1	34
Igfbp3	-0.721	0.333	0.219	1	34
Prnp	-0.637	0.333	0.188	1	34
Cfi	0.395	0.286	0	1	34
Col17a1	-1.468	0	0.344	1	34
Pllp	0.565	0.762	0.062	1	34
Itln1	-0.332	0.429	0.062	1	34
Neat1	-0.929	1	0.812	1	34
Tm4sf4	-1.303	1	0.281	1	34
Wnt5a	-0.427	0.571	0.062	1	34
Col18a1	0.354	0.333	0.031	1	34
Gkn1	1.280	0.857	0.594	1	34

Rpl17	-1.128	1	0.844	1	34
Akr1c6	2.117	0.429	0	1	34
Jag1	-0.315	0.952	0.25	1	34
Mup17	1.557	0.238	0	1	34
Cyp2c67	1.515	0.238	0	1	34
Tdo2	1.224	0.238	0	1	34
Cd300c2	0.681	0.238	0	1	34
Vamp5	-0.372	0.714	0.156	1	34
Ube2s	-0.602	0.381	0.281	1	34
Cxcl12	0.767	0.238	0.062	1	34
Ugdh	-0.451	0.952	0.25	1	34
Gm26825	-0.520	0.81	0.125	1	34
Ifi27	1.009	0.952	0.281	1	34
Sirpa	-0.329	0.143	0.156	1	34
Stmn1	-0.872	0.905	0.219	1	34
Pkp1	-0.939	0.095	0.406	1	34
Gsdma2	0.359	0.714	0.031	1	34
Tspan6	-0.427	0.095	0.188	1	34
Tpm2	-0.480	0.381	0.219	1	34
Tff2	0.709	0.952	0.375	1	34
Tubb5	-0.499	1	0.312	1	34
Pcna	-0.327	0.762	0.094	1	34
Cyp2c29	1.856	0.19	0	1	34
Cpb2	1.357	0.19	0	1	34
Thrsp	0.821	0.19	0	1	34
Rps15	-0.406	1	0.938	1	34
Ecm1	-1.524	0.143	0.188	1	34
Edn1	-0.303	0.333	0.125	1	34
H2-K1	1.188	1	0.594	1	34
Trp63	-1.099	0.095	0.375	1	34
Phlda1	-0.724	0.476	0.594	1	34
Car8	0.589	0.333	0.062	1	34
Cst3	0.592	1	0.406	1	34
Ikzf2	-0.733	1	0.312	1	34
Lgals7	-2.398	0.238	0.438	1	34
Capg	-0.447	0.905	0.25	1	34
Lrg1	1.112	0.286	0	1	34
Tacstd2	-0.901	0.095	0.406	1	34
Bcam	-0.756	0.952	0.281	1	34
Spp1	-3.361	0.952	0.281	1	34
Zfp36	-1.272	1	0.75	1	34
S100a6	-1.151	0.857	0.75	1	34
Angptl8	1.394	0.333	0	1	34
Hbb-bs	1.120	0.333	0	1	34
Snhg18	-1.153	0.429	0.25	1	34
Cpe	-0.708	0.952	0.312	1	34
C1ra	1.187	0.476	0	1	34
Nr4a1	-1.899	1	0.688	1	34
Myc	-0.664	0.762	0.125	1	34
Gm42418	0.815	1	0.906	1	34

Mgst3	0.952	1	0.438	1	34
Ddc	0.735	0.143	0	1	34
G0s2	0.606	0.143	0	1	34
Il1b	0.501	0.143	0	1	34
Id3	0.494	1	0.438	1	34
Tuba1c	-0.616	0.81	0.188	1	34
Cyba	-0.664	1	0.344	1	34
Maff	-0.758	1	0.344	1	34
Ly6e	0.412	1	0.406	1	34
Gm26917	-0.475	1	0.344	1	34
Atf3	-1.138	1	0.75	1	34
Rpl23a	-0.911	1	0.75	1	34
Gsta4	0.266	1	0.469	1	34
Cbr2	-1.280	0.095	0.312	1	34
Vtn	2.117	0.571	0.031	1	34
Sfn	-1.201	1	0.719	1	34
Ly6a	-0.429	0.952	0.375	1	34
Ctgf	-1.249	0.143	0.156	1	34
Sox7	-0.373	0	0.156	1	34
Hotairm1	-0.392	0	0.156	1	34
Mt4	-2.966	0	0.156	1	34
Sgk1	-0.705	0.857	0.25	1	34
Anxa8	-0.835	0.143	0.344	1	34
Krt16	-1.013	0.048	0.188	1	34
Cybb	-0.380	0.381	0.125	1	34
Dmkn	-1.004	0.095	0.281	1	34
Krt19	-0.324	0.524	0.344	1	34
Zfp36l2	-0.667	0.952	0.344	1	34
Nfe2l2	-0.684	1	0.375	1	34
Krt6a	-1.156	0.095	0.281	1	34
Ltf	-2.404	0.095	0.281	1	34
Mal	-0.665	0.714	0.125	1	34
Dnajb1	-0.829	1	0.75	1	34
Ndufa4l2	-0.338	0	0.125	1	34
Cyp26b1	-0.413	0	0.125	1	34
Gpnmb	-0.467	0	0.125	1	34
Serpinb2	-0.477	0	0.125	1	34
Cyp4v3	0.820	0.381	0	1	34
Il18	0.297	0.381	0	1	34
Igf1	1.859	0.381	0.031	1	34
Marcksl1	-0.785	1	0.375	1	34
Lars2	-0.326	1	0.406	1	34
Csrp1	-0.690	1	0.375	1	34
Trim29	-0.645	0.095	0.25	1	34
Gsn	-0.533	0.762	0.188	1	34
Agt	0.679	0.143	0.031	1	34
Lbp	0.602	0.143	0.031	1	34
Hspg2	-0.508	0.429	0.094	1	34
Nat8f1	1.444	0.619	0.031	1	34
Lgals2	0.328	0.476	0.25	1	34

Lypd3	-0.862	0.095	0.25	1	34
Arc	-0.851	0.762	0.25	1	34
Il1rn	-0.414	0.524	0.219	1	34
Rgs2	-0.416	0.238	0.094	1	34
Smoc2	-0.517	0.048	0.125	1	34
Lgals3	-0.760	0.952	0.406	1	34
Ly6d	-0.849	0.952	0.406	1	34
Cebpb	-0.290	1	0.438	1	34
Agpat2	1.016	0.429	0.156	1	34
Nfkbia	-1.112	1	0.406	1	34
Fst	-0.444	0.048	0.156	1	34
Cd44	-1.339	1	0.406	1	34
Sprr2a3	-0.889	1	0.469	1	34
Serpinb6b	-0.258	0.238	0.094	1	34
Krt13	-0.654	0.095	0.219	1	34
Sox4	-1.567	1	0.406	1	34
Hspb8	0.630	0.19	0.062	1	34
AY036118	-0.393	1	0.562	1	34
Crip2	-0.365	0.952	0.406	1	34
Bambi	-0.549	0.095	0.156	1	34
Msn	-0.631	0.476	0.219	1	34
Gm2a	0.637	0.429	0.031	1	34
Psca	-0.585	0.81	0.406	1	34
Anxa1	-1.622	1	0.625	1	34
Edem1	-0.320	0.619	0.062	1	34
Hcar2	-0.339	0.095	0.188	1	34
Wnt4	-0.444	0.095	0.188	1	34
Ehd2	-0.639	0.095	0.188	1	34
Id1	-0.675	0.905	0.375	1	34
Tnfaip2	-0.275	0.143	0.25	1	34
Hopx	-0.583	0.143	0.25	1	34
Cyp3a11	2.729	0.524	0	1	34
Nrn1	2.408	0.571	0	1	34
Cela1	0.549	0.429	0	1	34
Foxq1	-0.364	1	0.469	1	34
Calml3	-0.576	0.095	0.188	1	34
Gadd45g	0.390	0.476	0.125	1	34
Klf4	-1.123	1	0.594	1	34
Clu	-1.208	1	0.5	1	34
Gstm1	0.469	0.762	0.562	1	34
Hspa1b	-1.296	1	0.594	1	34
Tgfb1	-0.586	0.476	0.094	1	34
Cnn2	-0.471	0.571	0.281	1	34
Ptn	-0.348	0.095	0.125	1	34
Atp5k	-0.427	0.952	0.656	1	34
Hgfac	0.399	0.381	0.031	1	34
Gsto1	-0.826	1	0.5	1	34
Tmem176b	-1.407	0.905	0.562	1	34
Naaa	-0.274	0.143	0.031	1	34
Gsr	-0.561	0.857	0.375	1	34

Chit1	-0.373	0.143	0.156	1	34
Nme2	0.253	0.762	0.5	1	34
Crip1	-0.888	1	0.469	1	34
Hbegf	-1.183	0.905	0.531	1	34
Spink5	-0.446	0.095	0.156	1	34
S100a14	-0.946	1	0.469	1	34
mt-Nd3	-0.911	1	0.469	1	34
Ctxn1	-0.409	0.381	0.031	1	34
Gm26532	-1.442	0.857	0.469	1	34
Rtp4	0.343	0.571	0.062	1	34
Emp1	-1.251	1	0.469	1	34
Rnase4	1.872	0.524	0.062	1	34
Sfrp1	-0.835	0.429	0.219	1	34
Gm3776	-0.530	0.571	0.062	1	34
Krt17	-1.279	1	0.562	1	34
Ltbp2	-0.319	0.095	0.125	1	34
Il1f9	-0.371	0.095	0.125	1	34
Notch3	-0.588	0.095	0.125	1	34
Krt6b	-0.912	0.095	0.125	1	34
Cxcl5	-1.787	0.095	0.125	1	34
Ier3	-0.684	0.905	0.438	1	34
Tmprss11g	-0.352	0.095	0.125	1	34
Rpl9-ps6	-0.423	1	0.594	1	34
Tm4sf1	-0.848	0.143	0.156	1	34
Alox15	-0.911	0.143	0.156	1	34
Id2	-0.353	1	0.531	1	34
Gatm	-0.533	0.143	0.062	1	34
Plet1	-0.589	0.571	0.156	1	34
Hspa1a	-1.629	0.905	0.438	1	34
Ifrd1	-1.200	0.952	0.5	1	34
Meg3	-0.258	0.143	0.031	1	34
Oaf	0.806	0.524	0.031	1	34
Cyr61	-1.530	0.905	0.438	1	34
Wfdc2	-0.968	0.952	0.5	1	34
Acta2	-0.449	0.476	0.031	1	34
Plbd1	0.338	0.238	0.062	1	34
F3	-0.862	0.286	0.219	1	34
Arg1	-0.466	0.143	0.125	1	34
Gpx2	-0.713	1	0.562	1	34
Tcim	-1.362	0.762	0.344	1	34

Supplemental Figure 1: Cluster identities and cell counts

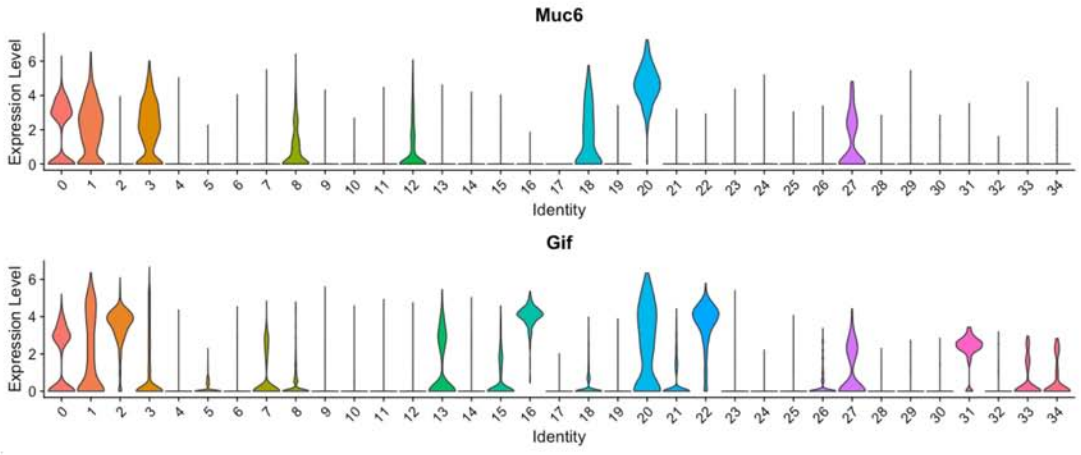
A

Cluster	Identity	Healthy #	Inflamed #
Cluster 0	Chief Cells	146	1994
Cluster 1	Neck Cells	490	1025
Cluster 2	Chief Cells	1211	115
Cluster 3	Neck Cells	254	875
Cluster 4	Foveolar Cells	24	875
Cluster 5	Foveolar Cells	485	269
Cluster 6	Foveolar Cells	325	358
Cluster 7	T Cells	38	645
Cluster 8	Isthmal Progenitor	113	527
Cluster 9	Myeloid/Endothelium	416	191
Cluster 10	Foveolar Cells	217	380
Cluster 11	Foveolar Cells	63	500
Cluster 12	Foveolar Cells	118	437
Cluster 13	Parietal Cells	300	217
Cluster 14	B Cells	17	494
Cluster 15	Parietal Cells	176	308
Cluster 16	Chief Cells	179	75
Cluster 17	CD4 T Cells	0	431
Cluster 18	Neck Cells	52	377
Cluster 19	Macrophages	75	332
Cluster 20	SPEM Cells	96	271
Cluster 21	Fibroblasts	232	132
Cluster 22	Chief Cells	310	17
Cluster 23	ECL Cells	148	179
Cluster 24	Foveolar Cells	49	194
Cluster 25	Smooth Muscle	154	81
Cluster 26	Neuroendocrine Cells	83	77
Cluster 27	TFF2+ Cells	13	146
Cluster 28	T Cells	0	111
Cluster 29	Eosinophils	7	83

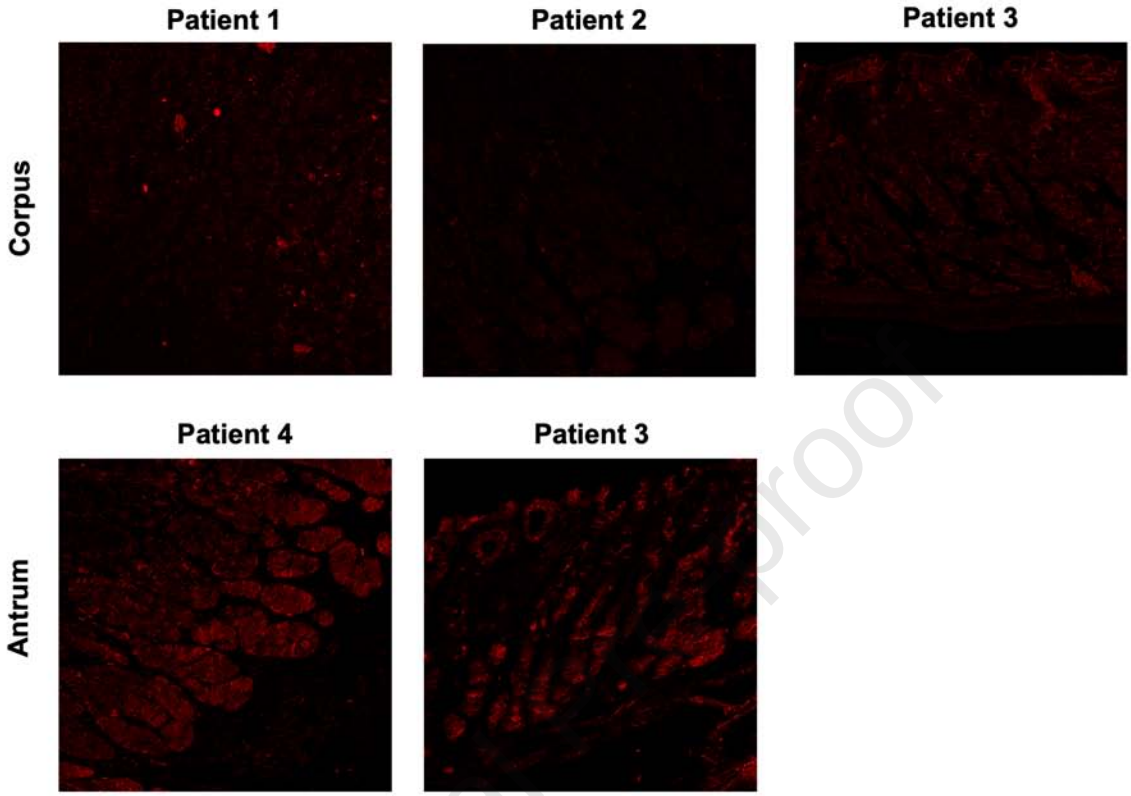
B

Cluster	Cell #
Healthy Chief	1357
Healthy Neck	744
Inflamed Chief	1900
Inflamed Neck	2109
SPEM	271

C



Supplemental Figure 2: GKN3 staining in normal human corpus and antrum



Supplementary Methods.

Data Processing & Statistical Analysis

All libraries and subsets were processed to ensure quality. Genes relating to mitochondria localized proteins are markers for broken or low-quality cells.[1] Consequently, low quality cells expressing high levels of mitochondrial markers above a majority threshold unique to each library/subset were filtered out before downstream analysis. Prior to clustering each library was globally scaled and normalized by a factor of 10^4 and log transformation. Additionally, unwanted sources of variation attributed to biological noise and batch effects were identified and regressed out to improve downstream analysis and dimensionality reduction.[2] Clustering methods such as PCA can use variable features as input and identifying these variable features is often a necessary step prior to clustering. Variable features and outliers were identified with variance stabilising transformation (VST).[3] VST first fits a line to the relationship of log(variance) and log(mean) using localised polynomial regression, then the features are standardised using the observed mean and expected variance given by the fitted line. The variance was then calculated from these standardised values and the top 2,000 most varied features were selected to inform clustering. After variable features were identified, the gene expression profiles per cell were scaled such that the mean expression of each gene across cells is zero and the variance across cells is 1. This transformation gives equal weight to each cell during downstream analysis so that highly expressed genes do not become overrepresented. These transformations also have the benefit of improving clustering resolution after dimensionality reduction.

Cell set dimensionalities were reduced jointly using diagonalized canonical correlation analysis (CCA), followed by L-2 normalization. Low dimensional representations of cell populations were then queried for cells representing mutual nearest neighbours (MNN).[4] Cells identified between

populations as MNNs that represent shared relationships were used as “anchors” to integrate data sets and were scored based on pairwise comparison of mutual neighbourhoods.[5] The merged data set was then linearly scaled and centred. Components for clustering and dimensionality reduction were identified through principle component analysis, where principle components that contributed the most information gain were used to inform uniform non-linear dimensionality reduction and visualisation with manifold approximation and projection (UMAP)[6]. Clustering was performed by k-nearest neighbours (KNN), and the resulting KNN graph was used to construct a shared nearest neighbour (SNN) graph based on the overlap of mutual neighbourhoods (Jaccard index) between every cell and its nearest neighbours. Clusters were identified from the SNN graph through modularity function optimization in accordance with algorithms described by Waltman and van Eck.[7, 8] These data were projected into a two-dimensional plane with UMAP for cluster visualization.

Genes that were used to define the cells populating clusters of integrated libraries were identified through receiver operator curve (ROC) analysis generated from individual classifiers trained on each gene in a global comparison for each identity class. Defining genes for each cluster were selected based on the area under the curve for their respective classifiers, where a value of 0.5 indicates the gene has no predictive power in determining the identity class and a value of 1 indicates the gene can perfectly distinguish the identity class and can be used to determine the cell type for that cluster. Globally distinguished genes for each cluster and comparison identity class were identified by calculating the normalized gene expression for the average single cell. Differentially expressed genes with at least a 2-fold change, and P value less than 0.01 were identified via the Wilcoxon rank sum test with Bonferroni correction for multiple comparisons. Compared to other differential expression methods in single cell, such as EdgeR and Monocle, the Wilcoxon rank sum test produces less false positives, while maintaining a higher sensitivity compared to DESeq2 [9].

Single cell trajectory analysis in pseudotime was conducted with Monocle 2.12.0. The dimensions of cells were reduced and clustered using the dimensionality reduction tree method (DDRTree).[8] Cells were ordered on a sequential plane by the progression of genes that were differentially expressed between DDRTree clusters based on a minimum spanning tree that was calculated from a weighted undirected graph modified to allow multiple cell fates.[10, 11] Gene expression profiles unique to cell fate were identified through branched expression analysis modelling (BEAM).

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What you need to know:

Background and Context: Chronic atrophic gastritis can lead to gastric metaplasia and increase risk of gastric adenocarcinoma. Metaplasia is a pre-requisite for carcinogenesis, but the mechanism(s) by which inflammation induces metaplasia are poorly understood.

New Findings: In analyses of tissues from chronically inflamed stomachs of mice and humans, we expanded the definition of gastric metaplasia to include *Gkn3* expressing cells in the corpus. During chronic inflammation, chief cells and mucous neck cells are plastic and enact a pre-metaplastic transcriptional phenotype that progresses to metaplasia.

Limitations: This study was performed in mice and human tissue samples; further studies are needed to determine the mechanisms of this process in humans.

Impact: These findings expand the definition of spasmolytic polypeptide expressing metaplasia and indicate mucous neck cell and chief cell plasticity during chronic inflammation.

Lay Summary: This study identified cells and proteins that contribute to development of cancer in the inflamed stomach.