

Supplementary Table 1

Resting Lining	p_value	avg_log2FCActivated L	p_value	avg_log2FCActivated S	p_value	avg_log2FCInterim Sut	p_value	avg_log2FCResting Sut	p_value	avg_log2FC				
Htra4	0	2.530457	Lyz2	0	4.663749	Sfrp4	0	2.326756	Comp	0	3.639703	Igfbp6	0	3.431851
Prg4	0	2.361547	Fabp4	0	4.132028	Cxcl12	0	1.694307	Ptn	0	3.34717	Mfap5	0	3.220485
Clic5	0	2.188988	Cd74	0	3.366769	Vcam1	0	1.461174	Chi3l1	0	2.758382	Fndc1	0	3.115506
Fn1	0	2.082141	Cxcl13	0	3.178419	RGD156546	0	1.439979	Gas6	0	2.628443	Gsn	0	3.035398
F13a1	0	1.871853	Plvap	0	3.106787	Clu	0	1.387749	Lum	0	2.515879	Col1a1	0	2.954684
Hbegf	0	1.797007	RT1-Db1	0	2.847823	AC128848.1	3E-296	1.302937	Stmn2	0	2.335866	Ccdc80	0	2.874071
Sema5a	0	1.650567	RT1-Da	0	2.810084	Ctsb	0	1.26349	Mfap4	0	2.223065	Postn	0	2.868277
Rgcc	0	1.640133	Apoe	0	2.762171	Gpr88	0	1.215246	C4a	0	2.195318	Col1a2	0	2.863241
Col22a1	0	1.608018	C1qb	0	2.716707	Mt2A	0	1.214061	Myoc	0	2.057271	Fbn1	0	2.71418
Vit	0	1.495376	Ltc4s	0	2.619268	Grid2	2.2E-279	1.195182	Ccl19	0	1.892988	NEWGENE-	0	2.5619
Nrp2	0	1.472883	C1qa	0	2.599936	Dab2	0	1.127752	C3	0	1.852302	Serpinf1	0	2.551713
Zfp385b	0	1.437055	Tyrobp	0	2.594489	Sectm1b	0	1.040793	Egfl6	0	1.837577	Sfrp2	0	2.531597
Pcsk6	0	1.414716	Fxyd2	0	2.518682	Mt-nd5	0	1.037022	Cilp	0	1.68937	Clec3b	0	2.446616
Htra1	0	1.411204	C1qc	0	2.37015	Cacna2d3	1.6E-213	1.00782	Cxcl14	0	1.681919	Col3a1	0	2.431864
Ugp2	0	1.408633	Emcn	0	2.292357	Cxcl10	3.57E-21	0.975338	Cxcl12	0	1.672271	Pi16	0	2.390672
Grm8	0	1.388391	Fcer1g	0	2.261278	Gadd45a	0	0.970661	Igf1	0	1.665497	Cd248	0	2.320938
Fap	0	1.372184	Slfn4	0	2.240477	Spon1	0	0.935474	Ccn5	0	1.652838	Lama2	0	2.174676
Sparcl1	0	1.367608	Trem2	0	2.218934	Socs3	8.1E-162	0.931738	Boc	0	1.647978	Ecm2	0	2.162137
Ccn2	0	1.316189	Ly6c	0	2.135992	Rarres2	0	0.877945	Gpm6b	0	1.635895	Ecm1	0	2.139851
AABR07028488.1	0	1.29651	ENSRNOG0	0	2.125836	Plxdc2	4.3E-258	0.877581	Dpt	0	1.626214	Fbln2	0	2.134069
Gfpt2	0	1.296391	RGD155948	0	2.117752	Magi2	0	0.874618	Spon1	0	1.606867	Plpp3	0	2.007001
Cd55	0	1.280211	Lrg1	0	2.072575	Epdr1	0	0.871639	C4b	0	1.587485	Vcan	0	1.988537
Erc2	0	1.270434	RT1-Ba	0	2.065645	Pde4d	0	0.852828	Bicc1	0	1.533855	Sema3c	0	1.979683
Errfi1	0	1.257713	RGD156535	0	2.017769	C4a	0	0.843506	C1s	0	1.512899	Pla2g2a	0	1.949829
Fermt2	0	1.218865	Ctss	0	2.012479	Igfbp5	0	0.841616	Il11ra1	0	1.487358	Cadm3	0	1.908936
Mdga2	0	1.204702	Plac8	0	1.945833	Cebpb	2.3E-305	0.836549	Pla2g2a	3.7E-261	1.481557	Marcks	0	1.836641
Car10	0	1.171812	AABR07005	0	1.935081	Bgn	0	0.83651	Tnn	0	1.449083	Col14a1	0	1.793215
Lbp	0	1.144625	ENSRNOG0	0	1.896768	Mmp14	0	0.834899	Thbs2	0	1.431329	Gstm6l	0	1.726479
Timp1	0	1.130787	Flt1	0	1.891446	Ifi2712b	4.74E-80	0.833164	Psme3	0	1.431303	ENSRNOG0	0	1.717232
Inhba	0	1.1271	Tm4sf1	0	1.876872	Clec2g	0	0.816095	Crlf1	0	1.422443	Ebf2	0	1.673181
Col4a1	0	1.115843	Pecam1	0	1.795373	Gda	0	0.809867	Glis3	0	1.364752	Mfap2	0	1.670963
Map1lc3a	0	1.115747	Tmem176a	0	1.76451	Txnip	1E-255	0.792384	Cpxm2	0	1.355609	ENSRNOG0	0	1.670792
Bcat1	0	1.110763	Nfkb1a	0	1.749381	Chka	6.4E-209	0.777255	Smoc1	0	1.335532	Ccn3	0	1.644707
Tln2	0	1.097512	Tagln	0	1.707068	Mdga2	0	0.772729	Steap4	0	1.335374	Col6a6	0	1.632496
Tpm2	0	1.096412	Ptprb	0	1.688939	Naaladl2	0	0.764711	Pcdh9	0	1.322404	Adamts2	0	1.629171
Niban1	0	1.075012	Bst2	0	1.652776	Rcan2	0	0.763874	Dab2	0	1.299762	Cep295nl	0	1.618616
Sox5	0	1.069365	Aif1	0	1.649231	Mt-nd4	0	0.761925	Fmod	0	1.293774	Myoc	0	1.591207
Otud7a	0	1.05717	Fcgr2a	0	1.522517	Igfbp4	0	0.754917	Col6a1	0	1.290436	Sfrp1	0	1.578067
Tmem100	0	1.055616	Hba-a2	0	1.520248	Mt-nd2	0	0.743413	Mt2A	0	1.288235	Antxr1	0	1.557009
Cd9	0	1.047794	Ehd4	0	1.515641	Gas6	0	0.742331	Col14a1	0	1.284545	Lhfpl6	0	1.542942
Uap1	0	1.032394	Hbb-b1	0	1.50882	Zfp36	1.2E-107	0.736911	NEWGENE-	0	1.279595	Lsamp	0	1.525123
S100a3	0	0.991837	RT1-DMa	0	1.499542	C1s	0	0.725815	Mmp3	1.8E-207	1.273427	AABR07006	0	1.514344

Fbln7	0	0.990901	Rbp7	0	1.498219	Kcnp1	2.7E-235	0.718369	Bgn	0	1.270828	Col6a2	0	1.483325
Sash1	0	0.961668	Egfl7	0	1.481453	Tenm4	0	0.710583	AABR0706C	0	1.261955	Sparc	0	1.478985
Cryl1	0	0.938803	Cavin2	0	1.476821	Cyp7b1	2.1E-196	0.702741	Cyp7b1	0	1.212104	Aspn	0	1.454813
Cyp1b1	0	0.928762	Slc9a3r2	0	1.462708	Cidea	2.9E-303	0.700506	Cacna2d3	0	1.194003	Zfpm2	0	1.444781
Fth1	0	0.927998	ENSRNOGO	0	1.458597	Gli3	1.4E-212	0.698856	Nav3	0	1.188816	Procr	0	1.439606
Olfml2a	0	0.916425	Ctsz	0	1.428192	Pdgfrb	1.5E-253	0.697492	Col3a1	0	1.185754	Nova1	0	1.437781
Adamts17	0	0.914651	Atf3	0	1.422986	Aqp1	8.5E-265	0.69603	Sfrp2	0	1.176695	Tgfb1	0	1.434706
Olfml2b	0	0.909741	Arhgdib	0	1.420134	Fhit	4.8E-208	0.691843	Kcnma1	0	1.164499	C4b	0	1.414895
Fut9	0	0.904211	Bcam	0	1.356085	Sox4	1.8E-193	0.689906	Ecrg4	0	1.156022	Anpep	0	1.413563
Serpine1	0	0.902201	Cd68	0	1.34799	Pcdh7	1.3E-135	0.68882	Ppic	0	1.144913	Nid1	0	1.38258
Has1	0	0.900897	Esam	0	1.345564	Plod2	8E-272	0.681459	Plau	0	1.140401	Col6a1	0	1.381099
Rhoc	0	0.87724	RT1-T24-1	0	1.344588	Mitf	1.3E-222	0.678504	Serpinf1	0	1.12586	Akap12	0	1.374945
Tnc	0	0.871819	Ly6e	0	1.339276	Ak5	2.4E-201	0.67412	Pdzrn3	0	1.124928	Psme3	0	1.368793
Me1	0	0.863777	Rpl38.1	0	1.329929	Tgfbr3	2.8E-247	0.673822	Abi3bp	0	1.115066	Thbs2	0	1.368276
Slc43a2	0	0.848255	Fam110d	0	1.329926	Fosb	8.04E-62	0.672476	Col1a2	0	1.110482	Il33	0	1.366688
RGD1561662	0	0.843609	Eng	0	1.32297	Pi15	2.4E-280	0.669863	Dlg2	0	1.095751	Pdgfd	0	1.365331
Calcr1	0	0.833506	Vsig4	0	1.304675	Cdon	4.8E-189	0.669313	Crispld2	0	1.091476	Gsta1	0	1.36479
Plcb1	0	0.832077	Il18	0	1.300366	Rrad	1.5E-205	0.65867	Bmper	0	1.091185	Boc	0	1.364773
Arpc1a	0	0.829067	Cybb	0	1.296055	Abcc9	4.7E-294	0.652921	Gja1	0	1.068689	AABR07044	0	1.361061
Cystm1	0	0.825824	Folr2	0	1.289236	Rin2	6.6E-198	0.651993	Col5a2	0	1.068207	Abi3bp	0	1.339053
Nme1	0	0.815951	Vwf	0	1.274132	ENSRNOGO	5.9E-254	0.644689	Rarres1	0	1.054289	Ecrg4	0	1.338633
Cdh13	0	0.800595	Hes1	0	1.270617	Loxl1	9E-229	0.640691	Igsf10	0	1.051527	Cpz	0	1.338064
Mif	0	0.797511	Icam2	0	1.266175	Pbx3	9.1E-165	0.639395	Rbp4	0	1.04629	Foxp2	0	1.332634
PCOLCE2	0	0.789882	Cyt11	0	1.263252	Nhs	1.2E-160	0.638121	Pik3r1	0	1.045805	Dcn	0	1.320141
Sema3d	0	0.788284	Srgn	0	1.237582	Negr1	1E-160	0.637429	Cfb	0	1.042045	Antxr2	0	1.301978
Nupr1l1	0	0.786816	Mafb	0	1.232682	Tox	3.9E-214	0.633928	Col15a1	0	1.032732	Lamc1	0	1.28964
Col4a2	0	0.786585	Upp1	0	1.228349	Pdk4	4.5E-153	0.633046	Col6a2	0	1.025122	Adgrd1	0	1.287689
Plod2	0	0.774978	Mmrn2	0	1.221984	Mt-nd1	2.2E-265	0.626542	Lsamp	0	0.985204	Enc1	0	1.285655
Creb5	0	0.771575	ENSRNOGO	5.6E-259	1.216403	Ptprd	1.7E-204	0.625757	Vcan	0	0.978571	Scara5	0	1.281933
Enpp2	0	0.769706	Plcb4	0	1.208982	Mt-nd4l	9.6E-273	0.621775	Col6a3	0	0.972592	Omd	0	1.281496
Atp5f1d	0	0.766812	Pgm5	0	1.201189	AABR0704C	9.4E-207	0.615468	Dclk1	0	0.965835	Fstl1	0	1.269258
Atp5if1	0	0.755502	Adgrf5	0	1.191575	Map3k14	7.1E-219	0.615281	Nox4	0	0.960743	Ccn5	0	1.260956
Rasgef1b	0	0.749676	Csrp2	0	1.17804	Mt-co3	3.7E-305	0.614629	Col1a1	0	0.945045	Ucma	0	1.25612
Cdhr5	0	0.746043	Nr2f2	0	1.17621	Spats2l	3.5E-232	0.613063	Itm2a	0	0.939252	ENSRNOGO	5.41E-41	1.251889
Ndufa4	0	0.735767	Arl4a	1.1E-234	1.16807	Cdkn2c	1.1E-302	0.609055	Frmd6	0	0.936535	Prep	0	1.251752
Steap1	0	0.733762	Alox5ap	0	1.163451	Tmem196	1.8E-202	0.607935	Prep	0	0.932511	Creb3l1	0	1.235863
Egfr	0	0.729892	Mctp1	0	1.156091	Slc29a1	9.6E-219	0.606012	Colec12	0	0.918275	Pcolce	0	1.23312
Mtch1	0	0.715298	Clu	0	1.146591	Serpine2	1.1E-228	0.605065	Sned1	2.5E-276	0.905451	Vegfa	0	1.228829
Pfdn1	0	0.705237	Irf7	2.1E-244	1.142691	Ntn1	7.6E-197	0.60481	Flrt2	0	0.88423	Plau	0	1.223195
Sdcbp	0	0.703425	Btg2	0	1.140697	Runx1	2.1E-173	0.604471	Clmp	0	0.874982	Ctsh	0	1.210755
S100a6	0	0.698965	Jun	0	1.138461	Aox1	9.6E-218	0.60332	Lrp1	0	0.872819	Ppic	0	1.208286
Cd151	0	0.691478	Plk2	0	1.125097	Mmp2	3.6E-272	0.601164	Pdgfra	0	0.867756	Slco3a1	0	1.205409
Fbln5	0	0.687375	Mx1	0	1.124037	Grb10	2.2E-206	0.599248	Mmp2	0	0.860451	Sdk1	0	1.196709
Barx1	0	0.6828	Pcsk1n	1.7E-222	1.119772	Palldl1	1E-189	0.599009	Thbs4	0	0.850248	Itga11	0	1.188378
Cd63	0	0.682152	Tmem176b	0	1.111987	Fmn1	1.3E-191	0.597184	Negr1	0	0.844481	Apbb1ip	0	1.178801
Ero1b	0	0.680278	Anxa3	0	1.110973	Gpx3	5.52E-70	0.596153	Pcolce	0	0.843429	Psd3	0	1.178537
Dynlrb1	0	0.679609	C6	0	1.107145	Csf1	5.5E-172	0.594973	Aebp1	0	0.839858	Nav3	0	1.164946

Fgl2	0	0.679517	Sat1	0	1.104321	Dock4	2E-178	0.594963	Pcsk1	0	0.839075	Itgbl1	0	1.162161
Ctsl	0	0.679174	RGD131058	0	1.101043	Id3	3.4E-143	0.591519	Myo1d	0	0.838447	Col5a2	0	1.159994
Cyria	0	0.674924	Arhgap26	0	1.090215	Ntrk3	1.7E-119	0.586716	Angptl1	0	0.834484	Pcsk5	0	1.151401
Enpep	0	0.674681	Il6st	8.25E-92	1.090149	Stmn2	1.39E-43	0.583963	Ctsk	0	0.832436	Ar	0	1.148136
Tmem196	0	0.672581	Icam1	5.8E-251	1.089083	Zcchc14	1.6E-207	0.578614	Rpgr	0	0.824243	Plac9	0	1.131348
Anxa1	0	0.669765	Depp1	0	1.084585	Gpnmb	1.1E-183	0.576902	Setbp1	0	0.820442	C1qtnf2	0	1.128435
Aard	0	0.668829	ENSRNOG0	0	1.074419	Sox5	3.7E-227	0.56538	Ccl2	3.73E-51	0.812943	Slit3	0	1.126878
Scara3	0	0.667018	MglI	9.5E-183	1.073676	App	0	0.562762	Mecom	0	0.805461	Ext1	0	1.124803
RGD1565462.1	0	0.665128	Slfn2	0	1.073648	Mt-nd3	5.8E-145	0.557165	Dio2	0	0.803782	Lama4	0	1.118965
RGD1564664	0	0.659758	Irf1	1E-227	1.0609	Egr1	6.5E-77	0.553824	Cp	0	0.797883	Mmp2	0	1.118599
Atp6v1e1	0	0.658789	Ackr1	0	1.053601	Myc	1.4E-168	0.552649	Igfbp7	0	0.795355	Zfp521	0	1.116977
Cux1	0	0.651296	Cd93	0	1.05019	Fos	4.58E-42	0.550351	Col16a1	0	0.793985	Islr	0	1.112355
S100a1	0	0.651251	Gng11	1.1E-294	1.04834	Tmem176b	6.4E-282	0.54592	C1r	0	0.790805	AABR07054	0	1.105365
Ndufc2	0	0.644861	Laptm5	0	1.042331	Olfml2b	2.1E-226	0.545257	Tgfb1	0	0.788761	Ntrk2	0	1.104245
Ugdh	0	0.644229	Lyn	0	1.037835	Nfia	1.2E-207	0.544157	Gulp1	0	0.772513	Dpp7	0	1.095123
Prdx2	0	0.642251	Tmem252	0	1.032853	Sbno2	3.7E-206	0.543155	ENSRNOG0	0	0.768268	Dlc1	0	1.089244
Sdc2	0	0.63877	Rgs2	0	1.032185	Cebpd	2.94E-93	0.538077	Nfia	0	0.763304	Smpd3	0	1.088393
Mt3	0	0.636516	Cd200	0	1.030599	Rpl3	3.2E-296	0.537157	C1qtnf2	0	0.762334	Adamts13	0	1.086484
Smim14	0	0.633442	ENSRNOG0	8.6E-206	1.028288	Lrba	1.4E-155	0.535936	Cdh11	0	0.762309	Lrp1	0	1.081335
Ppp1r14b	0	0.630759	Gmfg	0	1.022739	Il7	9.1E-215	0.533284	Serpinh1	0	0.757887	Arhgef3	0	1.069822
1810037I17Rik	0	0.624186	ENSRNOG0	3.12E-78	1.016671	Rps18	0	0.532849	Pdgfrb	0	0.757445	Svil	0	1.067982
Slc7a2	0	0.623602	Thbd	0	1.015354	Sod2	1.8E-124	0.530966	Svep1	0	0.753872	Celf2	0	1.064848
Uqcrq	0	0.62195	Jam2	0	1.008537	Angptl4	1.96E-89	0.528956	Trps1	0	0.750555	Tgfb2	0	1.062582
Rin2	0	0.61839	Scarb1	0	1.008047	Cp	1.3E-193	0.528877	Nbl1	1.1E-241	0.749736	C1qtnf1	0	1.058451
Adk	0	0.616784	Cdh5	0	0.999858	ENSRNOG0	0	0.527122	Ccl7	5.93E-69	0.747285	Add3	0	1.058116
Ldha	0	0.614881	Selp	0	0.996959	Igsf10	7.1E-171	0.524275	Med13l	0	0.738404	Ltbp1	0	1.057678
App	0	0.61217	Acta2	0	0.993468	Osmr	9.9E-152	0.523888	Zfp36l1	5E-238	0.735456	Rpgr	0	1.054071
Rspo2	0	0.610468	Pitpnc1	3.6E-270	0.991823	C1r	1.1E-307	0.523762	Plagl1	2.3E-291	0.733887	Clmp	0	1.050389
Ndfip1	0	0.604557	Slc28a2	0	0.990632	Rspo2	2.1E-120	0.522204	Plpp1	0	0.729856	Pdgfrl	0	1.049599
S100a4	0	0.600612	Fos	0	0.986374	Tcf4	1.9E-205	0.520607	Arhgap24	0	0.722789	Itm2a	0	1.048314
Ndufa4l2	1.2E-269	0.599892	Chp2	0	0.980733	Plcb1	8E-106	0.518567	Sgcx	0	0.722416	Serpinh1	0	1.046641
Pcdh11x	0	0.599296	Tnfaip8l2	0	0.980577	Pdzrn3	1.6E-114	0.517837	Cebpd	1.2E-209	0.722265	Efhd1	0	1.042261
ENSRNOG000000	0	0.597603	Tpm3	3.7E-140	0.978476	Myo1d	1.6E-168	0.5172	Loxl1	0	0.713852	Zbtb20	0	1.041788
Dlx3	0	0.597407	Hspb1	0	0.972194	Cdh11	8.9E-143	0.515846	Mfap2	0	0.709377	Dclk1	0	1.038576
Cygb	0	0.595585	Btg1	2.8E-146	0.970863	Mmp3	9.36E-23	0.515626	Mmp14	0	0.704631	Adcy2	0	1.033089
Itgb8	0	0.594582	Gadd45b	0	0.965796	Zfp622	4.1E-159	0.514719	Mamdc2	1.8E-238	0.700609	Olfml3	0	1.031691
Ndufa2	0	0.593824	RT1-DMb	0	0.965532	Ldlrad4	4.3E-130	0.51368	Kctd16	0	0.700468	Col5a1	0	1.027308
Camk1	0	0.590561	Myl9	2.8E-272	0.964033	Plekha5	3.6E-151	0.511853	S100b	0	0.697305	Ghr	0	1.022712
Smdt1	0	0.589822	Cyba	5.84E-69	0.962336	Cacna2d1	6.6E-126	0.509246	Fhl2	0	0.696665	F3	0	1.021955
Emp3	0	0.589231	Ddit4	3.33E-95	0.962207	Fbln7	9E-176	0.507321	Eml1	2.8E-290	0.695281	Svep1	0	1.013872
Lpar1	0	0.588763	Ncoa7	9.2E-176	0.959582	Rasa3	2.1E-128	0.505646	Marcks	0	0.680489	Htra3	0	1.011211
ENSRNOG000000	0	0.582318	Npc2	1E-168	0.952636	Zfp36l1	4.5E-165	0.504595	Epha5	0	0.678988	Ackr3	0	1.008526
Tmem9b	0	0.577642	Adgrl4	0	0.950625	Camk1d	1.04E-75	0.501226	Zfp804b	0	0.676395	Spsb1	0	1.001432
Mrpl17	0	0.57652	Ier3	0	0.933081	Rora	4.1E-153	0.498038	Sfrp4	1.8E-147	0.671641	Cped1	0	0.996912
Mdh1	0	0.574621	Olr1	0	0.928661	Igtp	1.4E-128	0.497242	AABR07007	0	0.670362	Dapk1	0	0.995507
Slc66a3	0	0.574416	RT1-T24-4	5.1E-189	0.928367	Col6a3	6E-163	0.494177	Mycbp2	0	0.669455	Nhsl1	0	0.994104
ENSRNOG000000	0	0.573675	Ier2	0	0.917528	Lmo7	5.4E-175	0.490677	Slitrk6	0	0.665544	Rbms3	0	0.992196

Galnt2	0	0.573333	Ucp2	0	0.916526	Tnc	2.54E-58	0.490497	Zfp385d	1.1E-227	0.664674	Olfml1	0	0.990116
Slc9a3r1	0	0.572097	Cst3	0	0.911935	Wwox	2.25E-99	0.48585	Man1a1	2.5E-296	0.659965	Heg1	0	0.982604
Cox5b	0	0.571477	Pkp4	3.4E-164	0.909331	AABR07006	2E-106	0.485629	Camk1d	7.8E-99	0.659584	Mfap4	0	0.982171
Tmsb10	0	0.571016	Fxyd5	4.3E-211	0.903113	Mt-atp6	3.1E-202	0.483429	Cdkn1c	0	0.657289	P4ha2	0	0.977776
Ica1	0	0.570646	Gadd45g	0	0.90301	Mycbp2	8.5E-181	0.483273	Gxylt2	0	0.656229	Fbln1	0	0.977083
Aldh1a3	0	0.569694	Igfbp7	0	0.898523	Ccl2	8.52E-42	0.48222	Irs1	0	0.653403	Prdx4	0	0.97208
Ninj1	0	0.569408	Apold1	2E-292	0.896463	Itgbl1	8.8E-139	0.478047	Scarf2	0	0.653205	Il11ra1	0	0.96908
Ntn4	0	0.566948	Clec14a	0	0.893625	Igf1r	3.06E-97	0.477477	Antxr1	0	0.649101	Adamtsl1	0	0.960934
Cyb5r3	0	0.563495	Ddit3	5.4E-106	0.891952	AABR07032	4.1E-131	0.477358	Spon2	3.1E-237	0.64265	Col15a1	0	0.959766
Map1lc3b	0	0.561799	S1pr1	0	0.881556	Fndc3b	9.9E-150	0.476644	Cfh	8.8E-272	0.636969	Loxl2	0	0.954533
Synm	0	0.561555	Rtn1	0	0.87979	Rps3a	8.1E-268	0.474624	Peg3	5.7E-284	0.636503	Arhgap24	0	0.952568
Mmp3	0	0.559593	Dnm3	0	0.877653	Man2a1	2.6E-164	0.474453	Dcn	0	0.634597	Tshz2	0	0.947624
Cdh23	0	0.558469	Pdlim1	1.62E-57	0.874941	Sned1	8E-125	0.472946	Ptprd	6.3E-226	0.634295	Prrx1	0	0.944225
Map1a	0	0.557865	Rasip1	0	0.871967	Colec12	2.6E-142	0.472429	Rora	5.8E-278	0.629509	Gulp1	0	0.940254
Slc9a7	0	0.555177	Rasal2	1.28E-49	0.851622	Egr2	1.33E-95	0.471295	Il7	0	0.62262	Ctsk	0	0.939314
Gapdh	0	0.554504	Lmcd1	0	0.851315	Vgll4	1.2E-197	0.469198	Grid2	1.62E-34	0.622212	Aldh3a1	0	0.938712
Card19	0	0.553432	Cdc42ep3	0	0.83777	Nfkbiz	2.7E-115	0.468899	Auts2l1	5.6E-254	0.620337	Gas7	0	0.937951
Nme2	0	0.552623	Cdkn1a	1.19E-48	0.837302	Klf9	1.7E-142	0.466748	Sox9	0	0.619663	Prdm8	0	0.928787
Pltp	0	0.551666	Mpeg1	0	0.833066	ENSRNOG0	4E-167	0.462118	Nxn	0	0.615858	Zeb1	0	0.917717
Luzp2	0	0.5509	Rnd1	0	0.832566	Tsc22d1	1.6E-126	0.461851	Cst3	6E-213	0.613743	S100b	0	0.917329
Lmo4	0	0.548337	Ets2	6.08E-33	0.83225	Filip1l	1.9E-120	0.461198	Col5a1	0	0.613467	Lsp1	0	0.917123
Ndufa12	0	0.54713	Actn1	1.5E-157	0.828996	Slfn13	1.8E-137	0.460296	Dkk3	3.3E-304	0.611982	Galnt16	0	0.912313
Rcan1	0	0.545474	Prex2	9.9E-213	0.822855	Rps19	1.9E-304	0.459869	Ksr1	7.3E-304	0.607746	Adamtsl4	0	0.909661
Micos13	0	0.541749	Id1	2.6E-122	0.820857	Rpl12	7.6E-204	0.458486	Slc9a9	0	0.606631	Galnt15	0	0.907092
Hmgn3	0	0.53735	Ifit3	6.7E-235	0.820784	Scara3	1E-138	0.458209	Tnc	1.74E-49	0.605891	Trio	0	0.907009
Pon2	0	0.536377	Rasa4	0	0.812551	Mt-cyb	6.5E-231	0.455199	Rbms3	7.7E-255	0.605227	Lpl	0	0.9043
Marchf1	0	0.535473	Csrp1	6.9E-22	0.807926	ENSRNOG0	1.3E-242	0.454758	Slc29a1	0	0.604976	Cd34	0	0.904085
ENSRNOG000000	0	0.533695	Mgst2	0	0.804503	Elapor2	6.3E-121	0.452946	Maml2	1.3E-200	0.601682	Mmp23	0	0.902937
Atp5mc1	0	0.533569	Myh11	5.5E-105	0.804385	Limch1	2.5E-115	0.452656	Lrp6	6.7E-204	0.600118	Ptgfrn	0	0.89915
Ckb	0	0.532954	Rgs1	0	0.803838	Naca	2.9E-258	0.451306	Arhgap6	8.3E-166	0.598323	Gpc6	0	0.897137
Ltbp3	0	0.532695	Fli1	0	0.799752	Rpl36a	1.8E-206	0.447999	S100a11	1.7E-263	0.593804	Cpxm2	0	0.89341
Cd164	0	0.532695	Uaca	1.03E-38	0.793622	Rpl34	7.9E-267	0.447899	Fibin	0	0.593457	Arhgap6	0	0.885796
Pfn1	0	0.532357	Ifi27l2b	0	0.791028	Gadd45g	1.29E-17	0.447332	C1qtnf1	0	0.592571	Atrnl1	0	0.881048
Cspg4	0	0.531739	Coro1a	0	0.787397	Rpl24	5E-307	0.446896	Htra3	0	0.591826	Twist1	0	0.88043
Sod2	0	0.531581	Cxcl2	2.1E-208	0.782763	Eml1	9.63E-85	0.446645	Cthrc1	5.8E-134	0.591023	Fmn12	0	0.880138
Cox6c	0	0.530864	Plekho1	0	0.781596	Emilin1	8.3E-134	0.443595	Tmem47	0	0.590984	Abca8a	0	0.877748
Srp14	0	0.529313	Csf1r	0	0.780086	Rnf150	5.7E-241	0.442453	Olfml3	0	0.589768	Adarb1	0	0.8705
Uqcr10	0	0.528992	Adam9	3.21E-12	0.775857	Bnc2	2.75E-55	0.442121	Syne1	2.8E-201	0.588146	Npas2	0	0.864518
Crip1	0	0.528051	Timp4	0	0.771971	Rpl5	9.3E-201	0.438929	Mxra8	6.9E-292	0.586309	Scd2	0	0.858605
Cox7c	0	0.524264	Stmn1	0	0.768476	Ugcg	1.31E-95	0.438832	Naaladl2	7.7E-206	0.583387	Plce1	0	0.857223
Igfbp5	0	0.522413	Clec7a	0	0.767178	Mt-co2	2.1E-175	0.437385	Selenop	1.1E-302	0.582906	Angptl1	0	0.852594
Vcam1	0	0.521887	Glpr1	0	0.766367	Rps8	1.3E-232	0.436247	AABR07006	2.19E-97	0.577985	Dpt	0	0.851744
Gprc5a	0	0.520774	Lrrfip1	1.7E-06	0.766284	Tbx15	1.3E-112	0.43606	Ecm2	0	0.576612	Pik3r1	0	0.850972
Cd276	0	0.51608	Ninj1	9.26E-71	0.766228	Slc8a3	1.8E-136	0.434371	Col18a1	0	0.575673	Col6a3	0	0.850077
Gnpnat1	0	0.515244	Bmpr2	4.41E-14	0.765062	Adamts6	5.17E-82	0.432685	Aff3	0	0.566236	Coro2b	0	0.836948
Neu2	0	0.514843	ENSRNOG0	2.24E-57	0.763777	Rps3	5.8E-261	0.429407	Slc8a3	2.3E-272	0.565195	Tgfbr2	0	0.833902
Rarres2	0	0.514117	Itgb4	0	0.762411	ENSRNOG0	5.3E-109	0.425865	Vim	1.1E-255	0.564117	Irak3	0	0.833511

Arl6ip5	0	0.51359	Ctnnb1	0.000188	0.758896	Zfp608	1.8E-118	0.425703	Runx1	1.1E-171	0.561399	Bicc1	0	0.81756
Cfl1	0	0.512521	Lgals9	6E-137	0.757619	Ltbp3	4.6E-148	0.425161	Slc8a1	0	0.561374	Man1a1	0	0.816878
Got1	0	0.509916	Ly49si2	0	0.757241	Cdo1	6.84E-77	0.421025	Sparc	0	0.553739	Hdac7	0	0.81379
Foxo1	0	0.508526	Tf	1.36E-07	0.754534	Rpl32	8.8E-296	0.42097	Piezo2	0	0.548275	Kdelr3	0	0.811078
Timm8b	0	0.507453	Capg	1.15E-46	0.75398	Rps5	4E-215	0.420214	Pappa1	0	0.548183	Fgf18	0	0.810424
Rapgef4	0	0.506022	Clec1a	0	0.753843	Xdh	2.2E-131	0.419878	Ntrk2	0	0.546589	Il1r2	0	0.810234
Atp6v1fnb	0	0.503277	Smagp	0	0.750301	Rpl17	4.7E-175	0.418358	Postn	0	0.546013	Stmn4	0	0.796915
Timp3	0	0.501727	Thsd7a	0	0.750075	Sox6	2.73E-89	0.417198	Map4k4	1.7E-243	0.544568	AABR07007	0	0.79107
Calm1.1	0	0.50158	RGD156466	0	0.746376	Rack1	3.5E-168	0.416019	Ctsc	0	0.540818	H19	0	0.789473
Npw	0	0.496525	Csf2ra	1E-123	0.741967	Ier3	2.04E-31	0.415693	Plce1	2.2E-239	0.538942	Nbl1	0	0.78588
Tnfaip6	1.9E-212	0.49644	Atf4	2.2E-147	0.740662	Sntb1	5.2E-138	0.41554	Cmklr1	4.7E-280	0.534157	Dact2	0	0.780825
Erp29	0	0.494293	Clec4a3	0	0.739918	Rpl9.2	2.6E-224	0.414391	Grb14	0	0.533296	Fkbp9	0	0.780005
Cd44	0	0.492792	Pim3	8.6E-143	0.739154	Maf	2.5E-110	0.41393	Fgf7	0	0.533231	Fkbp7	0	0.779124
ENSRNOG000000	0	0.491667	Cyyr1	0	0.738381	Pcdh11x	5.06E-93	0.412816	Tbx15	9.6E-223	0.533125	Sulf1	0	0.779032
Ndufb8	0	0.490275	Cd37	0	0.737146	Irs1	1E-109	0.41175	Ogfrl1	0	0.531342	Utrn	0	0.778083
Atp5mk	0	0.487367	Bcl2a1	0	0.736887	Rps6.1	3E-187	0.411484	ENSRNOG0	0	0.530083	Arhgap32	0	0.777931
Skp1	0	0.485943	Dstn	4.02E-83	0.73576	Ddr2	2.1E-118	0.411364	Psd3	1E-269	0.5299	Septin8	0	0.775902
Rap1a	0	0.48557	Kitlg	5.6E-150	0.735238	Rplp0	1.6E-197	0.409607	Slc1a3	0	0.528756	Ehbp1	0	0.774886
Elob	0	0.485315	Cfd	2.5E-229	0.730757	Rps4x.1	2.5E-202	0.408894	Ddit4l	0	0.527413	Aff3	0	0.772003
Bloc1s1	0	0.484797	Tgm2	6.14E-49	0.729748	Egfr	2.4E-119	0.408786	Slc16a2	0	0.525322	Hsph1	9.6E-108	0.769722
Eif5a	0	0.48355	Ccnl1	1.36E-57	0.729686	AC099450.1	8.6E-189	0.408541	Angpt1	0	0.524006	Dbn1	0	0.769597
Tpk1	0	0.481285	Erg	0	0.727562	Tbl1xr1	2.4E-105	0.407942	Ttc28	2E-230	0.52395	Rora	0	0.765166
Bnip3	0	0.480914	Bmp4	9E-190	0.727429	Nox4	9.42E-40	0.406977	ENSRNOG0	3.3E-195	0.518821	Reck	0	0.764112
Mt-cyb	0	0.480788	Hdac9	0	0.726096	Mxra8	4.8E-138	0.406743	Ncald	8.8E-123	0.517033	AABR07001	0	0.763789
Igfbp4	0	0.478221	MGC10564	3.7E-156	0.721869	Slc24a3	4.5E-170	0.405212	Lhfp16	3.7E-292	0.515877	Emilin2	0	0.76254
Map2	0	0.478093	Msr1	0	0.721796	Zbtb16	6.34E-77	0.404475	Arl15	3.4E-171	0.511323	Tnnt3	0	0.757972
Fam184a	0	0.477504	Gnai2	5.3E-267	0.721468	Mt-atp8	1.26E-82	0.404112	Twist1	0	0.510744	Ahnak	0	0.756993
Crabp2	0	0.475319	Pycard	1.36E-12	0.718748	AABR07073	8.9E-130	0.402394	Zfp3612	8E-182	0.509717	Vkorc1	0	0.756919
Tpi1	0	0.474546	Myh9	3.91E-05	0.718329	Sema3e	1.93E-71	0.400522	Rps15a	0	0.508217	ENSRNOG0	0	0.75613
Mesd	0	0.474316	Sox17	0	0.712893	Itgb8	1.05E-82	0.400308	SrpX2	0	0.508078	Nfia	0	0.75608
Khdrbs3	0	0.47421	Hopx	0	0.711202	ENSRNOG0	2.1E-148	0.399715	Tiam2	5.3E-104	0.504005	Zfhx4	0	0.751475
Metrn1	0	0.473919	Actb	0	0.710615	Mideas	4.05E-68	0.398813	Fam110b	2.5E-284	0.501782	Tns1	0	0.745953
Cox6a1	0	0.473723	Aqp1	1.1E-162	0.710144	Ebf1	4.2E-108	0.39848	Rpl36a	5.2E-263	0.501557	Mdfic2	0	0.742501
Dbi	0	0.471292	Adgre5	9.52E-56	0.70945	Tst	6.6E-163	0.397834	Prrx2	8.9E-180	0.500058	TgfbR3	0	0.738884
ENSRNOG000000	0	0.471226	Akap2	1.74E-06	0.708905	Ahcyl2	3.6E-114	0.397566	ENSRNOG0	0	0.497047	Tpst1	0	0.735919
Cyth3	0	0.470317	Adgrg1	0	0.707059	Trabd2b	2.9E-128	0.397233	Islr	1.5E-212	0.495322	Ubtd2	0	0.732139
Hist1h2bq	0	0.470287	Arhgap31	1.09E-24	0.705308	Rpl21.1	6.1E-199	0.396799	Ski	6.4E-239	0.493047	Spock2	0	0.727526
Asah1	0	0.469986	Rnf19b	5.18E-09	0.705009	ENSRNOG0	1.4E-228	0.396262	Efemp2	2.2E-214	0.49243	C1s	0	0.725593
Ubl5	0	0.469596	Arhgap15	0	0.700969	ENSRNOG0	5.5E-109	0.396199	Zfp521	1.6E-234	0.491962	Arl15	0	0.723923
Serpinb1a	0	0.469158	Mef2c	4.4E-107	0.700695	Mamdc2	9.07E-68	0.391867	Il16	0	0.491871	Scp2	0	0.72036
Rnh1	0	0.467945	Ifngr1	2.53E-11	0.699295	Cadm2	2.67E-61	0.391319	Dpysl3	0	0.486165	Bnc2	0	0.718763
Pgam1	0	0.467841	Ifi27	0	0.699078	Irf1	3.74E-69	0.391176	Rpl34	0	0.485162	Mecom	0	0.717876
Pard3	0	0.467329	Lipe	0	0.698652	Mt1	8.6E-157	0.388081	AC128848.1	2.09E-54	0.483742	Grb10	0	0.708526
Plekha3	0	0.466641	Txnip	0	0.696822	Rps24	5.6E-225	0.387878	Tspan11	0	0.481123	Agmo	0	0.706847
Dynlt1	0	0.466227	Dock9	3.69E-86	0.684756	Btg2	2.24E-22	0.386976	Tppp3	3.08E-75	0.480744	ENSRNOG0	0	0.704325
Tmtc2	0	0.465394	Tec	0	0.683521	Khdrbs3	5.4E-122	0.386123	Ahr	0	0.480145	Selenop	0	0.702968
Adamts15	0	0.464419	Adamts9	1.07E-45	0.681184	Selenbp1	6.6E-108	0.386033	Tcf4	6.8E-220	0.478131	Setbp1	0	0.702678

Gnal	0	0.46264	Tpm1	6.75E-07	0.6808	Ikzf4	1.7E-182	0.385641	Ncam1	0	0.477221	Mme	0	0.702019
Myliip	0	0.462304	Cd53	0	0.679514	Eef2	5.3E-175	0.385568	Megf6	0	0.477073	Cebpd	6.4E-302	0.701833
Zfp622	0	0.459817	Palmd	1.14E-08	0.678748	Ssc5d	2E-105	0.385233	Adm	3E-210	0.476526	Ttc28	0	0.700557
Dynll1	0	0.456698	Ptprc	0	0.677489	Clic2	8.1E-138	0.384229	Npas2	2E-199	0.475941	Pdgfra	0	0.695
Phlda1	0	0.456488	Ifit2	1.31E-54	0.674142	Slc16a2	1.2E-114	0.384104	Rnf19a	1.7E-180	0.475482	Glis3	0	0.694102
ENSRNOG000000	0	0.45486	Ftl1	0	0.67411	Ak3	4.8E-127	0.383572	N4bp2	1.2E-264	0.471863	Zfp385d	0	0.693289
Orai2	0	0.454469	Bace2	1.52E-57	0.673869	Wls	1.3E-110	0.382388	Mdk	0	0.469227	Eln	2.34E-74	0.693085
Serf2	0	0.453813	Lcp1	0	0.673856	Zbtb20	7.1E-150	0.382354	Ctsh	5.7E-276	0.468444	Sult1a1	0	0.691819
Rab3gap1	0	0.453107	Fcgr2a.1	0	0.673661	Rpl30	1.8E-160	0.381465	Mmp16	0	0.467633	Adra1a	0	0.690345
AC109542.1	0	0.453033	C5ar2	3.4E-214	0.672927	Nav2	3.9E-111	0.380942	Cemip	3.57E-64	0.467064	Lrrc17	0	0.684621
Dcbl2	0	0.452435	Klf6	3.5E-177	0.671106	Rpl7a	1.1E-183	0.380213	Plxna4	8.5E-285	0.466708	Lamb2	0	0.683341
Edf1	0	0.450401	Spi1	0	0.670736	Rps15a	3.5E-204	0.378697	C1qtnf5	2.5E-146	0.466524	Zbtb16	0	0.683134
Ctsb	0	0.445945	Itgb2	0	0.668771	Slc39a14	4.18E-55	0.376449	Sox6	4.2E-138	0.465184	Smarcd2	0	0.680688
Chpt1	0	0.443698	Shank3	0	0.667115	Acad10	1.3E-141	0.376396	Pcdhga7	4.8E-208	0.46431	C1r	0	0.680155
Slc2a1	0	0.443687	Tbxas1	0	0.664075	Rpl26	7.3E-202	0.376195	Ccn3	3.6E-158	0.463957	Wfdc1	0	0.679976
Nkain2	9.8E-295	0.442499	Psmb8	6.54E-29	0.662053	AC121415.1	8.3E-119	0.375758	Igf2r	8.8E-218	0.462897	Nrip1	0	0.678468
Prdx1	0	0.442142	Lmo2	3.17E-33	0.659991	Rpl19	2.7E-244	0.375469	Slc25a36	2.2E-206	0.462741	Adarb2	0	0.676868
Pgls	0	0.441854	B2m	0	0.654864	Flrt2	1.22E-71	0.375295	Rerg	4.3E-229	0.462354	Thy1	0	0.675453
Hdhd2	0	0.441653	Rgs16	0	0.654149	Hoxa9	8.73E-91	0.374517	Pdgfrl	3.6E-273	0.461141	Tmtc1	0	0.674193
Skap2	0	0.440937	Calm1.1	0	0.654073	Rhoj	4.8E-123	0.373548	Ifi30	2.7E-248	0.460726	Fam114a1	0	0.673426
ENSRNOG000000	0	0.440386	Klf2	0	0.651545	Sesn3	5.47E-81	0.371331	Etv1	1.4E-178	0.460058	Eps15	0	0.671875
Itgav	0	0.43783	Plk3	1.59E-08	0.650708	Pdgfra	2.3E-116	0.371175	Etnk1	6.1E-183	0.458695	Eda	0	0.670781
Naa38	0	0.437603	Clic4	2.96E-88	0.649289	Ppl	1.6E-139	0.370753	Clec2g	1.7E-186	0.457615	Smurf2	0	0.668325
Ppial4d.1	0	0.43635	Ramp1	0	0.648095	Hspa2	9.9E-147	0.369761	Rev3l	2E-212	0.457595	Nav1	0	0.666478
Bola2	0	0.4361	Ccn1	2.41E-19	0.637681	Cilp	2.23E-45	0.368035	Robo1	2E-138	0.457019	Enpp3	0	0.663985
ENSRNOG000000	0	0.436089	Tnfsf13	2.06E-15	0.637555	Tbx18	1.14E-64	0.367066	Samd4a	3.4E-102	0.456054	Pid1	0	0.662479
ENSRNOG000000	0	0.435259	Dach1	0	0.636956	Arhgap28	4.52E-96	0.36556	Cox4i2	0	0.452841	Cacna1c	0	0.661597
Arpc5l	0	0.434982	Cotl1	5.69E-36	0.630964	Rps12	8.5E-140	0.364627	Cask	1E-173	0.450298	ENSRNOG0	0	0.661393
Romo1	0	0.43498	Tinagl1	1.63E-58	0.629066	Pdcd4	1.3E-121	0.364447	Dpp7	7.6E-212	0.447065	Igf1	0	0.661267
Hhipl2	0	0.434281	F11r	0	0.627152	Thrb	1.39E-75	0.363112	Id3	2.4E-105	0.445613	St3gal1	0	0.661054
Tp53inp2	0	0.434234	Socs2	4.64E-18	0.623057	Ptpn1	3.1E-101	0.36205	Golm2	0	0.444366	Crabp1	0	0.658169
Ostc	0	0.433964	Itm2b	0	0.62257	Rps27a	7.7E-218	0.360752	Meox2	3.2E-204	0.442087	ENSRNOG0	0	0.657656
Ran	0	0.433039	Prkch	1.2E-216	0.621943	Ank2	1.67E-86	0.359852	ENSRNOG0	1.4E-199	0.44099	Npdc1	0	0.656852
Zbtb7c	0	0.431597	Crim1	2.62E-09	0.621836	Rpl30.1	3E-171	0.357045	Tmem119	0	0.440986	Rbp4	0	0.655051
Rnasek	0	0.430561	Rapgef5	0	0.620849	Trib1	3.79E-65	0.356839	Col5a3	4.1E-126	0.439141	Sec24d	0	0.654446
Gabarap	0	0.429295	Fry	1.2E-210	0.619081	Anpep	2.1E-162	0.356808	Kcnj15	0	0.437541	Pxdc1	0	0.654064
Nptxr	0	0.427817	Fam167b	0	0.618947	Slc44a2	2.1E-121	0.356178	Nfib	2.6E-182	0.436589	AABR07026	0	0.652712
Higd1a	0	0.427377	Slamf9	0	0.618923	Snai1	6.75E-72	0.356084	Slk	1E-140	0.435935	Vasn	0	0.65214
Pitpna	0	0.427175	Hsp90ab1	0	0.617297	Chsy3	9.95E-44	0.355734	Atp10a	2.2E-297	0.434169	Gpx3	8.2E-220	0.651702
Oaz1	0	0.425638	Itga6	1.96E-38	0.617078	Nedd4	7.3E-150	0.354633	Nr4a2	1.9E-122	0.4334	Zyx	0	0.649204
Eci1	0	0.42438	Gpx1	4.6E-237	0.616282	Aebp1	7.4E-146	0.353512	Ghr	3.3E-177	0.433175	Lrmda	1E-160	0.647865
Emc2	0	0.423823	ENSRNOG0	1.06E-54	0.615502	Efemp1	1.06E-26	0.353466	Lhfp12	5.4E-124	0.432653	Mcc	0	0.647225
Klf12	0	0.423818	Scarf1	9E-173	0.614886	Six1	6.34E-67	0.353268	Crispld1	0	0.431024	Atp8b1	0	0.647035
H2aj	0	0.423318	Azin1	3.42E-14	0.612143	Kcns3	8.66E-82	0.353012	Snai2	0	0.430172	Stard13	0	0.642318
Cisd1	0	0.423016	Tmem45b	0	0.612136	Prkacb	7.08E-82	0.351949	B3galt1	1E-232	0.429335	Rcan2	0	0.64191
Pin1	0	0.422886	ENSRNOG0	4.23E-64	0.611105	Adm	1.11E-86	0.351888	Rps18	1.7E-245	0.426961	Wdfy2	0	0.641342
Nckap5	0	0.421225	Vps25	4.1E-167	0.608867	Prlr	9.6E-129	0.351746	Zfhx4	1.4E-154	0.426487	Gxylt2	0	0.640803

Rheb	0	0.421018	Pnrc1	6.06E-06	0.605265	Cd274	7.37E-81	0.351486	Loxl2	2.2E-173	0.425217	Rab30	0	0.639581
Cdo1	0	0.420421	Actg1.1	0	0.603866	AABR07062	1.17E-36	0.349577	Rbms1	2.9E-169	0.424948	Tmeff2	0	0.636458
Tusc3	0	0.41969	ENSRNOG0	1.5E-33	0.603179	Zc3h10	2.9E-199	0.348179	Itgbl1	1.7E-137	0.424918	Trpc4ap	0	0.636135
Mrpl54	0	0.419295	Ptprr	0	0.600551	Slc44a1	1.04E-91	0.347507	Chl1	0	0.424569	Pcdhga7	0	0.633168
ENSRNOG000000	0	0.418978	Sorbs2	6.12E-64	0.597389	Rpl4	2.9E-132	0.347402	Zeb1	1.5E-137	0.424424	Adam19	0	0.630686
Rab3b	0	0.418667	Tspan12	8.3E-199	0.596503	Rps14	3E-165	0.347318	C1qtnf7	8.72E-83	0.423041	Ston2	0	0.627049
Ube2m	0	0.418474	Arpc1b	1.5E-126	0.593198	Nabp1	7.3E-122	0.346587	Nid2	0	0.422067	Bmp1	0	0.624465
Papss2	0	0.418443	Tie1	0	0.592813	Vwa5a	3.07E-79	0.346468	Emilin1	1.1E-183	0.420749	Cdh4	0	0.623507
Atp6v0c	0	0.417761	Csf2rb	0	0.589373	Crispld2	1.49E-55	0.344442	Rps29	1.8E-231	0.4204	Ism1	0	0.622254
Atp5mf	0	0.417627	Pla2g2d	0	0.587798	Aopep	3.18E-60	0.343466	Parp8	5.7E-147	0.419076	Fam126a	0	0.62143
Slurp1	0	0.416342	Lgmn	3.11E-06	0.585934	Npm1	2.9E-136	0.342065	Lgals1	3.4E-145	0.417168	Hs3st1	0	0.621365
Nudt9	0	0.412701	Hnrnpc	0.000527	0.585557	MGC10882	1.84E-77	0.340197	Zcchc14	5E-157	0.414849	Colgalt2	0	0.619779
Prnp	0	0.411756	Herc6	1.75E-09	0.583207	Pkib	4.9E-150	0.338866	Rps24	6.2E-279	0.41454	Daglb	0	0.619609
Pdk3	0	0.411683	Magi1	0.002514	0.581608	Rps17	5.3E-125	0.337227	Sdk1	5.01E-93	0.412607	Rbms1	0	0.618484
ENSRNOG000000	0	0.411663	Ndufa7	3.63E-06	0.580663	Errfi1	1.54E-77	0.334985	Il1r1	5.3E-137	0.412511	Fer	0	0.618324
Ndufb2	0	0.411261	Rab8b	0.000748	0.579977	Nxn	5.9E-117	0.334305	Fndc3b	8.1E-138	0.412267	Dock7	0	0.617854
Dusp14	0	0.410867	Ndrgr1	3.07E-08	0.577316	Rpl11	2.6E-185	0.333402	Arhgap32	1.1E-160	0.410108	Thbs3	0	0.616685
Psmb5	0	0.410678	Gimap4	0	0.576748	Rps23	9.6E-196	0.333274	Mcc	1.8E-116	0.409975	Cgref1	0	0.616207
Txn1	0	0.410567	ENSRNOG0	0.00079	0.575216	Col16a1	7.97E-86	0.333106	Ucma	1.9E-103	0.409756	Tmem45a1	0	0.615752
Edil3	0	0.409104	Ptma	0	0.575175	Rpl13	3.1E-208	0.33289	Mmp23	8.6E-290	0.409031	Plagl1	0	0.615583
Cxcl1	1.17E-68	0.407952	Entpd1	0	0.575158	Tcf12	1.43E-84	0.332808	Serping1	2.9E-154	0.408772	Notch2	0	0.611896
Eno1	0	0.407795	Psme1	2.2E-92	0.575138	Meis2	1.5E-67	0.331014	Col8a2	0	0.406558	Fgfr1	0	0.611377
Psmd8	0	0.406282	H3f3a.1	8E-50	0.573418	Tnrc6b	3.38E-90	0.330926	ENSRNOG0	9.1E-130	0.406473	Slc4a4	0	0.606373
Cox7a2l2	0	0.405698	Kdr	0	0.572922	Mylk	1.7E-136	0.330086	Filip1l	7.08E-95	0.406284	Nfix	0	0.605417
ENSRNOG000000	0	0.404636	H3f3a	0	0.572447	Fam180a	5.1E-159	0.329413	Dennd2b	3.3E-137	0.405636	Irs1	0	0.604344
Jak1	0	0.402786	Pkhd1l1	0	0.571992	Rbfox2	4.29E-89	0.32886	Pde4d	1.4E-107	0.405588	Mmp27	0	0.603618
Riok3	0	0.40212	Unc93b1	1.8E-81	0.56913	Dip2c	7.5E-63	0.328067	Mitf	7.8E-97	0.404542	Bmp5	0	0.603555
Ppp1r1a	0	0.401857	Ube2s	3.41E-10	0.568833	Rpl23	9E-186	0.32713	Slc38a1	1.8E-301	0.402254	Sybu	0	0.602896
Actr3	0	0.40136	Rassf1	1.24E-06	0.565153	AABR07007	1.7E-109	0.32432	Tenm4	1.8E-115	0.402135	Ccl2	0.000462	0.602274
Ndufab1	0	0.401297	Nfe2l2	2.52E-18	0.5625	Polr2a	2.75E-59	0.324053	Palldl1	5.9E-123	0.401544	Fbxl7	0	0.602171
Bmp2k	0	0.401279	Lilrb4	0	0.56141	Rps9	7.6E-137	0.323092	Rps23	1.4E-280	0.401103	Rarres1	0	0.601851
Gpx4	0	0.401227	Isyna1	1.98E-46	0.561304	Clip4	2.7E-150	0.322805	Cpxm1	0	0.400716	Cxcl14	1.48E-56	0.599148
Daam1	0	0.400777	Hspa8	2.3E-270	0.557551	Smoc1	2.73E-28	0.322296	Gda	4.8E-109	0.400125	Aebp1	0	0.596741
Fam162a	0	0.400618	Igfbp3	1.49E-42	0.556548	Igf1	1.1E-120	0.32218	AABR07031	1.9E-125	0.39973	Hivep2	1.2E-305	0.595011
Atp5me	0	0.400474	ENSRNOG0	0.00072	0.55531	Fam124a	4.54E-88	0.322013	Sgcd	2.98E-98	0.399689	Sulf2	0	0.593444
Ggt1	0	0.399182	Epas1	0.000343	0.553385	Rabgap1l	1.03E-58	0.321789	Ptprg	3.5E-109	0.399052	Rcn1	0	0.592045
Slc41a2	0	0.396736	Tek	2.1E-158	0.553226	Rps10	7.3E-155	0.321212	Itm2c	5.5E-195	0.3989	Aox4	0	0.589477
Cfap20	0	0.396042	Ubc	0	0.551988	Vps13b	5.93E-75	0.31961	Arrdc3	1.7E-154	0.398098	Basp1	0	0.589326
Dpysl2	0	0.395807	Tmem255b	0	0.551898	Phactr1	3.37E-83	0.318821	Sertad4	0	0.397728	Clec2l	0	0.589089
Insig1	0	0.395055	Pde2a	0	0.551623	Jmjd1c	9.48E-66	0.318424	Sec24d	1.4E-160	0.393157	Tspan5	0	0.588465
Tex264	0	0.394806	Jund	0	0.551574	RGD156088	8.91E-59	0.318045	Plekhh2	2.7E-148	0.392403	Akap13	0	0.58758
Nap1l1	0	0.394543	Mgst1	1.1E-126	0.548968	Medag	1.16E-53	0.317252	Fam180a	1.3E-246	0.391147	Asph	0	0.587524
Epdr1	0	0.394443	Serpinb6a	8.53E-14	0.548424	Rfx3	1.82E-70	0.31717	Aox4	1.3E-184	0.389719	Med13l	0	0.586731
Cope	0	0.394381	Egr1	5.5E-254	0.54709	Arih1	6.3E-60	0.316099	Rps19	3E-237	0.389622	Slc27a6	0	0.586306
Pomp	0	0.392657	Taldo1	1.84E-10	0.546759	S100a11	3.39E-60	0.314396	Wee1	3.5E-115	0.389353	Itm2c	0	0.585829
Ndufv2	0	0.392596	Hsp90aa1	1.9E-182	0.545901	Foxp1	1.91E-75	0.314033	Slc39a14	3.8E-126	0.389325	Tnfaip6	2.2E-110	0.584674
Tspo	0	0.391292	Apbb2	1.43E-05	0.545628	Fam13a	5.6E-107	0.3128	Fhit	6.02E-71	0.389054	Adgrg2	1.2E-290	0.582409

Medag	0	0.390707	Apol3	2.5E-166	0.545258	Tra2a	5.4E-99	0.312775	Rcn3	2.5E-150	0.388125	Dnm1	0	0.581027
Pitx1	0	0.389806	Kpna1	1.16E-11	0.544567	Klhl24	1.09E-71	0.311745	ENSRNOGO	1.36E-09	0.385719	Stxbp6	0	0.580362
Dbnidd2	0	0.389315	Cracr2b	0	0.544048	Etv1	4.97E-50	0.311685	Dip2c	4.3E-110	0.385497	Lpp	0	0.579199
Actg1.1	0	0.38928	Skil	0.001681	0.543057	Rbm39	3.7E-132	0.311271	Glis2	8.7E-186	0.385164	Lmx1a	0	0.579175
Ndufa11	0	0.388668	Eef1a1	0	0.542881	Rps27	9.7E-145	0.310701	Rpl26	1.6E-237	0.384411	Pard3b	8.5E-291	0.577565
Mrps16	0	0.387732	Ralb	0.00568	0.541045	Abtb2	2.02E-49	0.310102	Zhx3	1.2E-146	0.384406	Loxl1	0	0.575941
Ace	0	0.385952	Il33	2.3E-100	0.540389	Ier5	1.67E-43	0.310036	Foxn3	1E-144	0.384392	Adamts5	5.5E-199	0.572295
Tspan3	0	0.385356	Chn1	0	0.539454	Ppp3cc	1.11E-57	0.30982	Sybu	1.5E-193	0.383199	Ski	0	0.571966
Gtf2h5	0	0.385325	Gabarapl1	7.14E-25	0.538355	Enpep	3.51E-90	0.308995	Rps28	1.3E-191	0.382022	Lrp6	3.2E-241	0.569902
Atp5pd	0	0.384199	Cmtm7	3.69E-12	0.537175	Rnf213	1.11E-45	0.307714	Ldlrad3	3.8E-194	0.381263	Foxn3	0	0.568864
Psmb6	0	0.383786	Cxcl16	2.43E-80	0.536513	Rpl23a	2E-102	0.307674	Zfpm2	3.7E-158	0.381111	Dpysl3	0	0.564396
Pdcd4	0	0.382494	Mustn1	2.33E-54	0.535924	Tns2	4.3E-103	0.307443	Daam2	0	0.380247	Steap4	0	0.563672
Trappc2l	0	0.382399	Gng2	2.8E-219	0.53582	Sugct	3.06E-56	0.306872	Ext1	3.1E-141	0.379393	Pam	0	0.563566
Itpr3	0	0.381465	Net1	6.1E-115	0.53271	Rps2	2.2E-118	0.305881	Tubb2a	4.39E-84	0.379142	Rev3l	0	0.563522
Selenos	0	0.381341	Aplp2	2.77E-10	0.530335	Lum	1.03E-42	0.304926	Rpl23	1.9E-244	0.378366	Lamb1	0	0.563327
Raph1	0	0.381107	AABR07048	0.002745	0.527577	Pla1a	3.39E-69	0.304709	Rplp1	8E-254	0.378336	Frmd6	0	0.562073
Sgk1	0	0.380167	Nedd9	2.03E-06	0.52703	Mpst	1.12E-74	0.304491	Gsta1	1.7E-238	0.375035	Col12a1	0	0.561616
Psmb3	0	0.379994	Tspan13	0	0.526787	Dipk2a	5.07E-69	0.304432	Col27a1	2.3E-168	0.374579	Snx21	0	0.560704
Ptms	0	0.379857	Kank3	0	0.523331	Sik2	4.43E-52	0.303824	Ssc5d	2.1E-136	0.374371	Fez1	0	0.558742
Fkbp1a	0	0.379689	Mx2	8.31E-38	0.521866	Cemip2	1.3E-29	0.303342	Rpl38.3	1.7E-147	0.373923	Nucb2	0	0.555632
Ptpn3	0	0.379627	Pltp	1.9E-298	0.520074	Clec2dl1	6.89E-63	0.30234	ENSRNOGO	1.6E-158	0.373682	Nrep	0	0.555502
Ndufa1	0	0.379401	Rab27a	8.33E-20	0.519652	Fat3	4.07E-36	0.301723	Nrep	1.4E-133	0.373552	Igf2r	0	0.55481
Serpini1	0	0.379102	Garre1	2.84E-12	0.515348	Mbd5	8.06E-70	0.300834	Pxdn	2.9E-220	0.373353	Pdlim2	0	0.554163
Des	0	0.378747	Lipa	2.15E-11	0.515086	AABR07071	1.2E-100	0.300701	Spats2l	1.5E-140	0.372185	Ptprm	0	0.553888
Ndufb7	0	0.377966	ENSRNOGO	1.11E-53	0.515084	Fam184a	1.22E-69	0.29999	Ddx3x	5.9E-139	0.370749	Rtn4r	0	0.552002
Pkm	0	0.377964	Scimp	0	0.515054	Foxo3	2.79E-52	0.298802	Rpl32	5.9E-249	0.370576	Map1b	1.7E-303	0.549775
Clec2dl1	0	0.377804	Samd5	1E-118	0.512384	Pard3b	7.6E-82	0.298597	Prdm5	7.6E-153	0.369855	Ca8	0	0.549475
Reln	0	0.377702	Tgfb1	2.01E-07	0.511442	Ddt	4.24E-83	0.297292	Cd109	7.7E-125	0.369797	Gse1	1.5E-253	0.547984
Psma3	0	0.376026	Tll1	2.36E-73	0.510068	Rps4x	9.7E-71	0.297147	Rtn4	2.2E-129	0.369443	Smarca2	0	0.547862
Atp5mg	0	0.375716	Mrc1	0	0.506609	Cald1	9.72E-53	0.296385	Bnc2	2.56E-74	0.36931	Gap43	0	0.547618
Actn4	0	0.375329	Arpc4	1.33E-08	0.506591	Psme3	5.2E-144	0.296061	Cped1	1.3E-226	0.367844	Pdzrn3	1.4E-291	0.546609
Gpsm2	0	0.374802	Eva1c	3.4E-155	0.506506	Dag1	3.33E-68	0.295984	ENSRNOGO	1.3E-170	0.366151	Klf4	1.4E-227	0.542177
Micos10	0	0.374283	Ncf1	1.3E-287	0.506041	AABR07028	8.57E-60	0.295876	Enox1	3.1E-187	0.365883	C1qtnf6	0	0.541163
AABR07060778.1	0	0.373629	Cdk2ap2	2.57E-13	0.503863	Trhde	1.02E-77	0.295787	Kdelr3	1.7E-157	0.365669	Slc9a9	0	0.540462
Ank2	0	0.373181	Rab5c	2.86E-21	0.502972	Rpl10	1.44E-94	0.295751	Steap3	2.6E-144	0.365472	Ust	1E-281	0.540314
Furin	0	0.373118	Sncg	4.24E-37	0.501834	Pcdhga7	5.64E-89	0.295748	Tgfbr3	2.5E-114	0.364798	Selenom	0	0.538977
Slc23a2	0	0.37255	Spns2	0	0.500959	Calcr1	2.56E-91	0.294689	Lsp1	5.9E-188	0.364626	Gpc1	0	0.535719
Guk1	0	0.371605	Alcam	5.5E-209	0.497526	Nr3c2	1.67E-49	0.293055	Adamtsl4	1.3E-166	0.363863	Itga9	0	0.535538
Gpr88	0	0.371298	Mnda	2.59E-09	0.495968	Ripk1	4.69E-64	0.29219	Col12a1	4.3E-207	0.362841	Plpp1	0	0.531973
S100a10	0	0.370671	Psmb10	1.57E-16	0.493507	Fggy	1.34E-77	0.28927	Tssc4	1.3E-154	0.361803	Mmp14	0	0.52966
1110065P20Rik	0	0.370659	MGC10882	0.006133	0.493241	Col8a1	4.7E-39	0.28859	Scp2	3.7E-121	0.361664	Rcn3	0	0.527993
Axl	0	0.370266	Afdn	0.001541	0.493241	Zfp503	3.34E-53	0.288294	Efemp1	1.09E-55	0.361563	Cst3	0	0.527828
Fat3	0	0.369654	Rps6ka3	1.88E-07	0.492308	Col18a1	5.8E-42	0.287014	Thbs3	1.4E-134	0.360859	Ttc7a	0	0.527826
Tspan15	0	0.369511	Itpr1	4.89E-12	0.491777	Rpl29	8.1E-134	0.286823	Fat4	2E-241	0.360256	Parp8	7E-294	0.527431
Fis1	0	0.369455	Etl4	0.000115	0.48974	Rpsa	1.3E-119	0.286503	Lrig3	3.8E-157	0.359118	Sh3rf3	0	0.527282
Anapc13	0	0.369214	Cdk17	2.18E-05	0.488641	ENSRNOGO	1.36E-79	0.286285	Rgl1	2.8E-211	0.35827	Slc7a6	0	0.526269
Serpine2	0	0.367972	Oas1a	1.81E-05	0.488555	Med13l	7.88E-54	0.284426	Ptprv	0	0.358236	Rpn2	0	0.524554

Ahcyl2	0	0.367212	Eif4a1	8.24E-36	0.488277	Rpl38.3	5.1E-99	0.283191	AABR07073	2.9E-141	0.358155	Ptprij	1.6E-270	0.524518
Pebp1	0	0.367062	Frmd4b	6.2E-232	0.488072	Fxyd1	1.07E-84	0.282833	Rpl39.4	6.41E-83	0.356067	Rspo1	0	0.520931
Ube2v1	0	0.367042	Angptl4	9.32E-15	0.487767	Cpq	2.86E-95	0.282422	Rcn1	1.8E-142	0.355352	Naaladl2	7.4E-257	0.518151
CltA	0	0.364353	Anp32a	1.9E-40	0.487361	Pcbp2	4.89E-82	0.281883	Fbxl7	9.37E-70	0.353854	Agap1	4.2E-260	0.517433
Sec61b	0	0.363586	Prdx5	4.45E-24	0.485147	Sulf2	3.87E-60	0.281155	Fkbp7	6.6E-143	0.353788	Galnt17	0	0.516572
Atp5po	0	0.363215	Tagln2	6.5E-279	0.482485	Fam78b	1.78E-61	0.280112	Map1b	4.48E-75	0.353603	Cd109	0	0.515792
Vps25	0	0.363187	Lpar6	2.1E-287	0.482031	Fat1	2.01E-36	0.279812	Foxp1	1.3E-103	0.353107	Cfb	0	0.514149
Tubb4b	0	0.362749	Rbpms	6.62E-09	0.481324	Rapgef4	5.62E-47	0.279583	AC121415.1	6.3E-131	0.352283	Large1	1.3E-281	0.511843
ENSRNOG000000	0	0.361864	Adam15	3.98E-06	0.481307	Hacd2	2.66E-61	0.278527	Mylk	1.6E-243	0.350983	Tbx15	5.3E-225	0.511532
Tm2d2	0	0.361789	Nrros	0	0.478479	Epn2	1.61E-39	0.278153	Snai1	7.52E-99	0.350342	Dennd2b	0	0.510283
Serf1	0	0.361077	Rgs10	9.74E-55	0.477181	Mtap	3.25E-51	0.277992	Pbx3	1.88E-84	0.349547	Peg3	0	0.510241
Ndufa13	0	0.360978	Cxcl9	5.6E-101	0.476135	Nfatc2	8.75E-17	0.277824	Enpp3	1.8E-154	0.349455	Mxra8	0	0.508964
Psma2	0	0.360274	Fam43a	3.78E-33	0.476021	Slc25a28	7.58E-70	0.277803	Rpl9.2	7.3E-171	0.349439	ENSRNOG0	9.4E-279	0.507116
Hspb8	0	0.360267	ENSRNOG0	3.25E-34	0.475838	Atf6	8.71E-42	0.277741	Igfbp6	0	0.348573	Magi3	1.9E-305	0.507063
Psemb1	0	0.360238	Eya3	2.45E-07	0.475776	Prtfdc1	4.21E-49	0.277678	Pth1r	5.1E-258	0.347818	Gja1	0	0.505631
Cdk2ap1	0	0.359884	Limd2	5.76E-82	0.475478	Setbp1	3.22E-72	0.277292	Arhgap28	3.2E-121	0.347705	Cybrd1	0	0.503688
Atp5mc3	0	0.358274	Gnb1	2.48E-09	0.475211	Ier5l	1.02E-90	0.276081	Rasa3	4.31E-71	0.346895	Ttc3	1.6E-299	0.503643
Ajm1	0	0.357626	Dennd4a	1.25E-14	0.475037	Igf2bp2	3.05E-65	0.275982	Fkbp10	3E-135	0.346651	Ebf3	0	0.503435
Mrpl20	0	0.35723	Dnaja1	9.92E-35	0.474641	Hoxa10	3.89E-43	0.275264	Ak5	9.28E-57	0.346308	Fzd2	0	0.503279
Limch1	0	0.356501	ENSRNOG0	4.3E-189	0.474258	Aff1	2.53E-52	0.2752	Mme	3E-224	0.346149	Dse	0	0.503095
Anxa4	0	0.356162	Ptpre	1.8E-199	0.467583	Parp14	2.85E-63	0.274516	Sfrp1	2.91E-90	0.345444	Axl	0	0.501292
Kcns3	0	0.35595	Dgkz	5.22E-60	0.467357	Hif1a	2.07E-40	0.274422	Irs2	9.6E-110	0.344779	Nfib	2.6E-269	0.499266
Efnb2	0	0.355772	Mtus1	1.19E-15	0.466972	Rpl15	8E-124	0.274179	Nrip1	1.8E-114	0.344446	Chrdl1	0	0.497746
Aig1	0	0.355623	Tsc22d3	2.07E-17	0.466448	Numa1	2.3E-67	0.274094	Gem	2.94E-84	0.343904	Igfbp5	2.16E-13	0.496776
Etfb	0	0.355384	Lgals3	1.44E-31	0.465356	Jun	5.52E-17	0.274076	ENSRNOG0	3.1E-157	0.342477	Kcnma1	0	0.496302
Cox6b1	0	0.355151	H2az1	1.46E-24	0.465333	Rps13	1.11E-95	0.273637	Trpm3	1.5E-162	0.342464	Pros1	0	0.492949
Rnf139	0	0.354786	ENSRNOG0	9.56E-27	0.462953	Rpl6	1.4E-107	0.273224	Atxn1	8E-132	0.342461	Maml2	1.6E-201	0.492276
Psmc5	0	0.354498	Ralgapa2	8.3E-07	0.459879	ENSRNOG0	5.23E-26	0.273093	Nfatc2	1.33E-62	0.341936	Nbea	1.6E-260	0.491448
Cox7b	0	0.353313	Rps11	6.2E-302	0.459843	Rasgrf1	1.27E-48	0.273037	Arsi	4.6E-209	0.341615	AABR07044	0	0.490595
Ptprd	0	0.35192	Cfl1	1.8E-122	0.459022	Ier2	1.33E-09	0.272251	Plod2	3.1E-86	0.34029	ENSRNOG0	0	0.490267
Fmn1	0	0.351855	Spint2	1.56E-08	0.458897	Fzd8	5.54E-44	0.272039	Vkorc1	4.2E-133	0.340217	Afap1	0	0.489129
Sdc4	0	0.350223	Rflnb	6.14E-21	0.457904	Stac	1.47E-79	0.271824	Ppp3ca	1.02E-93	0.339709	Fto	4.9E-231	0.488027
Ypel3	0	0.349914	Tmem140	8.12E-13	0.455851	Cdk14	1.09E-51	0.271727	Agap1	9.15E-72	0.338646	Engase	0	0.487533
Rex1bd	0	0.34991	Mcl1	1.73E-18	0.454936	Gpm6b	7.14E-56	0.270864	Asap3	1.7E-205	0.338186	Stard9	0	0.487016
Sms	0	0.349755	Cmip	2.19E-07	0.453656	Slfn5	1.01E-61	0.270572	Smarca2	5.6E-142	0.337388	Peli2	0	0.486876
Mlana	0	0.348982	Nup210l	4.19E-44	0.452178	Cenpv	3.67E-73	0.270366	AABR07032	8.1E-106	0.337295	Nnmt	0	0.486007
Ak3	0	0.348405	Tra2b	6.31E-21	0.450562	Ttc39b	9.26E-43	0.270261	Prdx4	2.8E-142	0.337001	Ncoa1	1.8E-305	0.485227
Ifitm3	1.8E-250	0.348277	Strn3	1.57E-20	0.448698	Rpl31	1.71E-70	0.26974	Id2	4.1E-132	0.336687	Angpt1	0	0.484664
Atp5mc2	0	0.348004	Nfil3	2.03E-34	0.448313	H1f2	4.58E-33	0.268691	Vav3	1.3E-145	0.335623	Rpn1	0	0.484081
Cacna2d1	0	0.347836	Zdhhc2	8.88E-40	0.447593	Nop53	8.68E-73	0.268618	Wnt5b	2.4E-223	0.335275	Atf5	6.1E-261	0.482252
Itfg1	0	0.347704	Ppp2r5a	4.96E-53	0.445825	Phkg1	5.1E-104	0.268439	Fzd2	2.2E-199	0.333785	Osbpl1a	0	0.482167
Uqcrb.1	0	0.346992	Mrtfb	1.75E-15	0.444305	Selenop	1.5E-80	0.268184	Nfix	8.1E-117	0.33378	ENSRNOG0	2.4E-203	0.48207
Mrps14	0	0.346525	Ripk3	1.05E-11	0.443983	Asap1	3.03E-54	0.26808	Aox1	2.96E-73	0.33338	Gas6	0	0.481768
Dad1	0	0.346455	ENSRNOG0	6.2E-160	0.442929	Idh2	1.14E-61	0.267816	Esyt2	1.8E-110	0.330574	Snx18	0	0.481058
Chsy3	0	0.346114	Il4r	1.49E-05	0.440524	Rps15	5.88E-87	0.26761	Prlr	3E-254	0.330306	ENSRNOG0	0	0.479095
Chmp5	0	0.345965	Ddx5	2E-136	0.440489	Ubr1	3.1E-64	0.267418	Tceal9	1.1E-111	0.330239	Fgf7	0	0.477678
Sap18.1	0	0.34596	Ccnd1	1.5E-09	0.440213	Lhfpl2	2.47E-31	0.267162	Fat1	4.2E-107	0.329281	Cnn3	0	0.476178

Rexo2	0	0.345761	Klf13	7.4E-27	0.440195	Grina	6.66E-82	0.266736	Rnd3	3.41E-77	0.328924	Selenbp1	0	0.475859
Ilk	0	0.34566	Ncl	5.03E-49	0.439993	ENSRNOGO	2.54E-76	0.266061	Psme4	7.4E-127	0.328866	Bag3	2.7E-123	0.474144
Dnajc19	0	0.345501	Tmod3	3.67E-28	0.439974	Rhobtb3	1.59E-45	0.2659	Rpl22l1	7.36E-91	0.32879	AABR0700C	8.3E-245	0.473559
Olfm1	0	0.344473	Crybg3	0.000247	0.438785	Thbs4	8.5E-121	0.265712	Tsc22d1	1.04E-92	0.328515	Fam110b	0	0.472014
Tnfrsf12a	0	0.343527	Deptor	1.13E-69	0.436288	H3f3a	5.39E-27	0.265179	ENSRNOGO	9.2E-184	0.327258	ENSRNOGO	0	0.471727
Pdlim4	0	0.342938	Rapgef6	1.17E-21	0.435332	Mcc	2.59E-48	0.265114	Id4	1.69E-67	0.322461	Cercam	2.6E-301	0.470046
Nr2c2ap	0	0.342583	Slc25a5	1.73E-38	0.431556	Rps28	1.3E-104	0.264274	Lnx1	7.22E-73	0.322195	Fmo3	0	0.469719
Baalc	0	0.342561	Pak2	1.6E-53	0.430877	Rad51b	8.41E-56	0.264069	Kirrel1	2.2E-127	0.317918	ENSRNOGO	0	0.46896
Cdk15	0	0.342409	Ndufa8	1.16E-44	0.427719	Itpr1	2.8E-79	0.263784	Rps3a	8.8E-131	0.317882	Dennd1a	4.6E-248	0.46755
Tmem208	0	0.342061	Srsf3	1.88E-22	0.424662	Gbp2	6.75E-35	0.26286	Nav2	4E-100	0.316305	Ppl	0	0.465549
H1f2	0	0.34149	Ptbp3	3.03E-27	0.421689	Sfmbt1	4.4E-53	0.261576	Reck	3.2E-113	0.315955	Has2	0	0.464634
Hras	0	0.341437	Mdfic	3.65E-42	0.420773	Colec11	7.5E-101	0.261465	Id1	4.39E-58	0.315281	Efemp1	0	0.46423
Prickle4	0	0.341038	Ywhah	7.12E-44	0.416677	Adamts10	5.58E-60	0.261344	Fzd8	7.3E-88	0.315251	Pmp22	0	0.462362
Ciao2b	0	0.340184	Slc3a2	2.17E-32	0.415727	Rpl14	2.1E-129	0.261339	Clec11a	0	0.315201	Ano6	1.3E-285	0.461515
Bhlhe40	0	0.339489	Myd88	1.38E-31	0.415651	Ctdspl	5.55E-49	0.261338	Plekha5	1.22E-65	0.31404	Sh3pxd2b	3.9E-182	0.46145
Tmpo	0	0.339387	Tax1bp1	1.68E-32	0.41312	Efemp2	2.14E-61	0.261306	Rab38	2E-283	0.314002	Stk38	1.3E-279	0.461186
Atp6v1g1	0	0.339343	Taf7	1.65E-10	0.412812	Thra	5.12E-70	0.260594	Wwox	2.83E-50	0.313761	Prkag2	1.9E-182	0.460975
Plekha1	0	0.338048	AC141102.1	3.16E-14	0.41073	Acss3	1.16E-55	0.260499	Slc38a2	1.66E-70	0.313435	Abl1	1.1E-282	0.459973
Nptn	0	0.337712	Ern1	1.92E-06	0.409935	Fads1	1.23E-85	0.259819	Gna14	0	0.313283	Atp10d	0	0.45989
Ccs	0	0.336769	AABR07007	3.39E-11	0.409309	Stat3	4.03E-66	0.259264	Tsc22d2	5.8E-101	0.313122	Csmd1	9.42E-97	0.459815
Ndufb5	0	0.336707	Pkn3	2.42E-70	0.408807	Ogt	7.94E-33	0.259107	Cobll1	1.9E-223	0.312781	Aldh1l2	0	0.459251
Mrpl27	0	0.33664	Rara	3.79E-37	0.408573	Mast4	1.07E-43	0.25881	Adamts2	5.4E-176	0.312727	Sh3d19	1.5E-252	0.458283
Atp2b4	0	0.335951	Peli1	2.22E-25	0.408561	Efna5	4.63E-38	0.257359	Rps6.1	3.1E-135	0.312529	ENSRNOGO	2E-225	0.458175
AABR07015507.1	0	0.335929	Atp10d	1.05E-18	0.407688	Septin4	1.03E-90	0.257157	Gpx8	2E-108	0.312353	Mia3	0	0.455551
Chchd2.1	0	0.335537	Gm2a	6.41E-19	0.406474	Lix1l	3.92E-53	0.257141	Fmn12	3.59E-81	0.311774	Lmod1	0	0.454015
Gli2	0	0.334436	Rtp4	0.000747	0.405485	Rab11fip3	1.46E-62	0.256799	Fto	5.98E-86	0.311661	Plat	0	0.453382
Fzd6	0	0.334412	lfrd1	7.69E-16	0.404363	Snrpd2	7.41E-89	0.256616	Tcea3	2.9E-191	0.311542	Usp24	1.4E-167	0.4519
Sra1	0	0.334312	B3gnt2	1.43E-07	0.403821	Stambpl1	5.47E-29	0.255678	ENSRNOGO	5.81E-91	0.311214	Chn2	0	0.450538
Ccser2	0	0.33412	Tifa	1.27E-09	0.401567	Steap3	2.94E-56	0.255531	ENSRNOGO	3.4E-127	0.310755	Disp1	6.9E-268	0.450298
Sar1b	0	0.333928	Sh3glb1	8.94E-66	0.400627	Il1r1	7.73E-49	0.254962	Sesn3	2.09E-86	0.310047	Casp12	0	0.449523
Ndufb6	0	0.332647	Ppp1r13b	6.65E-11	0.400538	C1galt1	3.42E-42	0.254552	Pros1	4.3E-114	0.309168	Tmem263	0	0.449207
Ifi27l2b	1.5E-194	0.33182	Actn4	1.61E-28	0.400249	Pum1	4.08E-63	0.253864	Sugct	1.3E-77	0.30833	Adamts15	0	0.44829
Arf2	0	0.331077	Myl12a	6.7E-139	0.3981	Gbp7	3.27E-42	0.253009	Paqr6	1.3E-257	0.30803	Cblb	2.1E-220	0.44785
Med10	0	0.330249	RGD130655	6.29E-71	0.397952	Stag1	6.16E-66	0.253005	Rpl24	8.3E-159	0.30722	Ikbip	0	0.44749
Spcs1	0	0.329978	lrf2bp2	1.59E-38	0.396807	Mrc2	1.47E-37	0.251951	Epb41l2	9.6E-118	0.307126	Hdlbp	0	0.44576
Slc35e4	0	0.329852	Xaf1	0.001362	0.396778	Sema3a	3.28E-40	0.251751	H1f0	2.16E-75	0.306508	Zcchc7	3.5E-232	0.443958
Prtfcd1	0	0.329358	Ppia14d.1	1.67E-37	0.396731	Slc38a6	2.63E-47	0.251498	Sh3d19	2.75E-92	0.30621	Vldlr	0	0.44328
Mt-co1	0	0.329346	Bcr	0.000064	0.396434	Rpl27	1.08E-88	0.251491	Fam102b	4.1E-122	0.306039	Laptm4a	0	0.442831
ENSRNOG000000	0	0.32932	Ube2d3	5.24E-19	0.396286	Fam172a	1.07E-45	0.251348	Mnda	1.1E-108	0.305964	Rtn4	0	0.441423
Hypk	0	0.329282	Cdc42	1.49E-80	0.394229	AABR07026	7.64E-68	0.251172	Jak2	1.25E-71	0.305922	Fkbp11	4.9E-270	0.441057
Slc20a1	0	0.329172	Top1	4.27E-11	0.393824	ENSRNOGO	5.61E-20	0.250967	Cebpb	6.25E-50	0.305529	Sptbn1	1.7E-290	0.44085
Gpr176	0	0.328946	Gbp2	2.92E-14	0.393792	Acbd6	3.55E-60	0.250823	Hk2	2.5E-69	0.305108	Klf3	5.3E-265	0.43988
Ybx3	0	0.328254	Rap1b	2.32E-46	0.393394	Rpl18a	2E-127	0.250521	Arhgef25	1.4E-133	0.303425	Cmklr1	2.6E-270	0.439583
ST7	0	0.328184	RT1-CE1	8.86E-39	0.392018	Loxl2	2.31E-30	-0.25059	Rps27a	2.7E-159	0.303396	G0s2	0	0.438986
Adamts16	0	0.328108	Clk1	5.91E-54	0.390658	Chn2	1.51E-62	-0.2506	Kazald1	1.65E-93	0.303002	Prkd1	3.4E-151	0.437462
ENSRNOG000000	0	0.327926	Hbegf	0	0.390494	Hras	1.98E-33	-0.25175	Grk5	4.71E-65	0.301653	Tmem159	1.9E-302	0.43494
Msn	0	0.327553	Neurl3	8.77E-09	0.389965	Klf2	5.04E-58	-0.25188	Mbtps1	7.2E-103	0.301285	Ldlrad3	0	0.433887

Emc7	0	0.327474	Ostf1	2.65E-51	0.389591	Cnn3	1.66E-16	-0.25195	Hivep2	8.39E-42	0.300928	Dpp4	0	0.432912
Glrx3	0	0.327275	Epsti1	4.43E-16	0.387754	Rala	1.59E-30	-0.25237	ENSRNOG0	5.07E-66	0.30089	Wnt5b	0	0.432531
Iscu	0	0.32691	Slc66a2	6.15E-05	0.387275	Hdac7	4.76E-24	-0.2528	Tbx18	3.19E-88	0.300804	Zhx3	1.8E-280	0.432499
Copz2	0	0.326828	Tubb6	2.48E-61	0.386625	Arhgap31	1.78E-15	-0.25323	Prkd1	7.31E-65	0.300177	Ergic3	2.8E-284	0.428803
Selenof	0	0.326715	Samd9	1.71E-33	0.386373	Has1	2.21E-15	-0.25333	Olfml1	2.8E-207	0.299697	Atp10a	0	0.427784
Psmas	0	0.325744	AABR07044	2.2E-35	0.386217	Tmem256	5.18E-32	-0.25371	Ttc7a	2.65E-92	0.29917	RGD156260	1.1E-176	0.426357
Dst	0	0.324822	Tcim	2.47E-40	0.385552	Pea15	3.03E-29	-0.25394	ENSRNOG0	3.7E-146	0.298132	Psme4	3.3E-251	0.425533
Krcc1	0	0.324096	Flnb	8.26E-22	0.38533	Steap1	7.73E-44	-0.25398	Npepps	1.76E-99	0.297677	Cachd1	5.5E-205	0.42285
Tpd52	0	0.323894	Glul	1.43E-48	0.384913	Tprg1l	6.01E-28	-0.2543	Lama2	1.6E-266	0.297609	Sik3	2.4E-230	0.422183
Tomm7	0	0.323699	Cnksr3	1.24E-09	0.383228	Daglb	1.22E-31	-0.25459	Ptprm	1.9E-112	0.29718	Iffo1	1.1E-194	0.421934
ENSRNOG000000	0	0.32353	Parp9	7.11E-43	0.382408	Atp6v1e1	6.44E-12	-0.25545	Map3k2	7.9E-101	0.296352	Hpgd	0	0.421919
Lamtor2	0	0.322957	Schip1	7.29E-08	0.382253	Flnb	3.33E-21	-0.25601	ENSRNOG0	5.2E-100	0.296217	Mcu	6.3E-186	0.419874
Ywhae	0	0.322572	Efhd2	2.58E-24	0.380921	Ctsc	7.34E-36	-0.25623	Gli3	2.21E-85	0.296099	Scarf2	0	0.419635
Emc6	0	0.321348	Tkt	1.62E-82	0.380425	Fli1	1.17E-18	-0.25636	AABR07001	4.64E-78	0.295513	Igdcc4	0	0.418433
Mrps21	0	0.320003	Ifi44	1.73E-64	0.380102	ENSRNOG0	5.63E-19	-0.25638	Tpst1	2.4E-111	0.295276	Gfra2	0	0.417422
Spsb4	0	0.319977	ENSRNOG0	3.93E-44	0.379745	Uqcr10	5.3E-25	-0.25643	Smpdl3a	2.8E-100	0.29469	Pcdhac2	1.4E-232	0.417214
Mt-nd1	0	0.319664	Pcdh19	2.65E-85	0.377454	Rnf7	2.12E-24	-0.25657	Tubb5	5.4E-113	0.294549	Arhgap5	8E-169	0.417025
Park7	0	0.319602	Klf7	1.1E-19	0.377061	Atp6v1fnb	3.19E-18	-0.25697	Sik3	1.71E-99	0.294142	Radil	0	0.416911
Hsbp1	0	0.319039	Ppp1r10	3.24E-71	0.375816	Acp5	5.21E-56	-0.2577	Rpl30.1	3.5E-130	0.293651	Zfp36l2	4.2E-237	0.415418
Npb	0	0.318713	Coq10b	5.2E-41	0.374879	H2aj	9.01E-33	-0.25781	Cdk14	7.97E-79	0.293636	Copa	1.5E-277	0.414543
Lamtor4	0	0.318421	Tmem205	8.8E-29	0.37329	Twist1	3.23E-27	-0.25839	Eva1b	1.42E-80	0.2929	Reep3	6.9E-271	0.414059
Mea1	0	0.318239	Stox2	7.08E-19	0.371338	Mrpl54	1.28E-25	-0.25843	Glg1	3.44E-99	0.292897	Cab39l	5.8E-218	0.413585
Ldlrad4	0	0.318206	Ece1	6.89E-84	0.370455	S100b	1.23E-20	-0.25885	Ppl	2.5E-106	0.292762	Tcf7l1	1.1E-177	0.413036
Tle5	0	0.318093	Sema6a	0.002487	0.369784	Tmem50a	1.31E-21	-0.25922	Plat	1.2E-97	0.292733	Myh10	0	0.411882
Mien1	0	0.31749	Hyal2	0.002123	0.369699	Ackr4	7.51E-28	-0.25927	Cnn3	1.9E-128	0.292331	Pde10a	1.8E-137	0.411872
Thrb	0	0.317383	Ythdf2	7.93E-67	0.369441	RGD156160	2.49E-17	-0.25965	Rps27	4.1E-143	0.292006	Kdelr2	0	0.410021
Elapor2	0	0.317339	Prpf40b	0.002758	0.369077	Aldh1a3	1.26E-52	-0.26031	Rps8	8.7E-111	0.291718	Fcgrt	0	0.407707
ENSRNOG000000	0	0.31721	Tln1	3.84E-86	0.368801	Prrx2	5.18E-30	-0.2611	Dock7	2.8E-74	0.291715	Ubxn1	1.9E-177	0.406137
Slc25a4	0	0.317008	Sorbs1	7.32E-12	0.368686	Abrac1	9.35E-24	-0.26507	Hif1a	4.64E-73	0.290905	Dock11	1E-219	0.406088
Ttc27	0	0.31536	Psmas	3.14E-33	0.368386	Tsc22d3	7E-12	-0.26516	Zbtb20	5.5E-109	0.290869	Ssr3	0	0.405578
Fbxo31	0	0.315164	Fam241a	1.24E-08	0.367695	Ppp2r5a	1.5E-19	-0.26529	ENSRNOG0	5.3E-113	0.289539	Tmem164	7.9E-200	0.405505
Stk32a	0	0.314391	Prkaca	7.78E-27	0.367258	Prdx4	3.74E-09	-0.26534	Ntn1	3.44E-43	0.288719	Prdm5	1.6E-209	0.405448
Bola3	0	0.314273	AABR07008	2.29E-05	0.366559	Itga9	1.03E-43	-0.26599	Angptl2	1.04E-65	0.288454	Tppp3	5E-135	0.405297
Pkig	0	0.312985	Ppp1r12a	7.76E-71	0.366505	Rab5c	1.12E-09	-0.26628	F3	1.1E-136	0.287331	Cdc42bpa	1.7E-237	0.404903
Arpc3	0	0.312946	Yes1	9.89E-26	0.365437	Hdhd2	1.75E-25	-0.26649	Bpnt2	3.24E-74	0.287257	Sar1a	5E-299	0.404742

Trem2+ Macrp_value	avg_log2FC	Cebpb+ Macrp_value	avg_log2FC	Clec10a+ Macrp_value	avg_log2FC	Hbegf+ Mono p_value	avg_log2FC	
Vsig4	0	2.45495807 Spp1	1.942E-159	1.68474154 Clec10a	0	2.78976829 Prg4	0	4.24387993
C6	0	1.77539407 MGC105649	0	1.67468341 Antxr2	0	2.00153648 Clu	0	3.38868802
Apoe	0	1.54626225 Prdx5	0	1.53110606 Ms4a4a	0	1.98714674 Ccn2	1.126E-305	3.09906916
ENSRNOG000	0	1.46692129 ENSRNOG000	0	1.44808486 ENSRNOG000	0	1.93240216 Ifitm3	0	3.03963938
Pltp	0	1.44701807 Fbp1	0	1.33554655 Bcl2a1	0	1.90234375 Dcn	4.243E-241	2.94071659
Ctsb	0	1.22493822 Pcsk1n	0	1.25960228 Cxcl2	2.416E-244	1.87405734 Igfbp5	1.881E-195	2.76856993
Cxcl13	0	1.06959257 Lyz2	0	1.24033622 Pf4	3.009E-157	1.79771332 Hbegf	4.646E-268	2.70997788
C1qb	0	1.02977795 Fn1	0	1.10190247 Alcam	3.311E-280	1.69402438 Plvap	0	2.66039212
Cep295nl	0	1.02752061 Hopx	0	1.08543588 Cdc14a	0	1.67258592 Ebf1	3.765E-271	2.6202364
Ltc4s	0	1.00812288 Lilrb4	0	1.06098189 Asgr2	0	1.66533611 Tm4sf1	0	2.60660523
Fcgrt	0	0.97704249 Cd9	0	1.04808602 Pld4	0	1.62803003 Mgp	8.883E-171	2.54300516
Kcnt2	4.48E-275	0.88108732 AABR0703079	0	1.02962244 Cd83	0	1.59246905 Igfbp7	9.807E-228	2.50146896
Hspb1	7.276E-104	0.84424979 Mmp12	8.155E-276	1.02072928 Tf	0	1.52561426 Gpx3	4.9E-151	2.47392487
Hpse	8.066E-302	0.83179582 S100a6	0	0.88572656 Plekhn3	0	1.47807184 Col3a1	1.84E-127	2.46684479
Selenop	0	0.82952788 Fabp4	1.054E-300	0.88384209 Rel	0	1.44594243 ENSRNOG000	4.112E-199	2.41087878
C1qc	0	0.82479483 Gpnmb	5.359E-205	0.8613275 Ifitm1	1.963E-243	1.44366015 RGD1564664	6.945E-225	2.39439307
Folr2	0	0.82177346 Ccr5	0	0.81948813 RT1-Ba	1.009E-250	1.40366779 Nupr1l1	8.524E-155	2.38177837
C1qa	0	0.782746 Clec7a	0	0.80297052 Ccl4	2.6345E-46	1.39474199 Fabp4	2.048E-267	2.14459733
Colec12	0	0.77244552 S100a11	0	0.79303663 Marcks	0	1.36883856 Gsn	1.058E-128	2.10270231
Ctsl	0	0.75752579 Fam20c	0	0.73884914 Ccl2	1.9981E-90	1.36553956 Col1a1	9.6567E-53	2.06294658
Npc2	0	0.75098927 Kcnn4	0	0.72932487 Il1b	1.467E-278	1.34412874 Sparc	9.35E-259	2.03291171
Ninj1	0	0.74755339 Cybb	1.579E-288	0.71334088 Cxcl1	3.1048E-83	1.33860381 Col4a1	9.175E-132	2.03191622
Ctss	0	0.720917 Tspo	0	0.69796749 RT1-Bb	6.565E-185	1.32612955 Col1a2	6.0919E-44	2.01525197
AABR0700296	0	0.70371034 Lgals3	0	0.66845706 Neurl3	4.61E-300	1.30316313 Sparcl1	1.795E-118	2.01357236
Slc9a3r2	1.622E-249	0.70234501 Cebpb	6.065E-242	0.66307966 Cfd	4.299E-67	1.2606735 Rarres2	1.1821E-62	1.95643821
Lst1	1.151E-164	0.69762227 ENSRNOG000	1.613E-277	0.65890917 Runx1	0	1.2606256 Igfbp4	2.266E-172	1.91556029
Serpine1	5.719E-143	0.69360594 Itgb2	#####	0.65313718 Fosb	3.739E-276	1.23943132 C4b	7.6681E-73	1.89899086
Trem2	0	0.68811946 Anxa2	2.079E-238	0.65146337 Ifi30	0	1.23261169 Cxcl12	1.361E-119	1.89833143
Prkcz	0	0.68118538 Pi16	4.198E-297	0.64672728 Rbpj	0	1.21694782 Medag	1.3408E-99	1.89727909
Cd163	0	0.67380053 Tnfsf13	6.263E-269	0.64180287 Arhgap15	0	1.19229147 Aebp1	2.9237E-80	1.87808874
Ecm1	1.819E-251	0.67044808 Ly49si2	6.54E-166	0.64063814 ENSRNOG000	6.344E-248	1.19190419 Emcn	3.536E-281	1.86275007
Fxyd2	0	0.64962801 Camk1	0	0.62521183 Ifrd1	3.091E-293	1.19119294 C4a	4.2246E-99	1.84823893
Pmp22	1.465E-276	0.64777933 Pla2g7	0	0.62273985 Nfat5	3.412E-241	1.18878702 Aqp1	3.3572E-95	1.82444611
Mafb	5.721E-255	0.63635854 Lipa	9.726E-264	0.61403828 Ms4a7	5.907E-157	1.17909487 ENSRNOG000	6.792E-134	1.81296199
AABR0707209	1.75E-172	0.63320664 Pid1	1.309E-205	0.60200615 Rgs1	7.92E-108	1.15354896 Nedd4	3.741E-120	1.81020076
Loxl2	4.419E-273	0.63104718 Vim	1.7E-301	0.60162997 RT1-Da	4.191E-208	1.12950066 Gadd45g	1.6351E-95	1.79972415
Cndp2	6.922E-235	0.6283219 Cspg4	0	0.59967432 Pitpnc1	8.438E-166	1.12168519 Plcb1	1.4474E-88	1.77734007
Tmem37	1.976E-246	0.62466501 Vcan	3.876E-283	0.58758429 Plin2	4.649E-177	1.12092702 Gfpt2	1.9592E-96	1.73220894
P3h3	9.092E-249	0.60888104 Anxa5	6.858E-276	0.5843285 Arhgap6	2.4346E-86	1.11809053 Ifi27l2b	7.586E-210	1.7282764
Rhoc	8.298E-205	0.60081427 Cd44	1.497E-203	0.57975764 Dapp1	8.379E-284	1.10595083 Htra4	2.427E-44	1.7230959
Bst2	9.397E-180	0.59895354 Rgcc	5.089E-159	0.579038 F13a1	1.1768E-54	1.07640045 Vps25	6.2701E-36	1.72208905
Fchsd2	6.621E-137	0.59382795 Ppial4d.1	3.259E-131	0.57855089 Nr4a3	1.139E-175	1.05445409 Bgn	9.228E-45	1.71240053
Ophn1	3.952E-162	0.59151655 Capg	2.458E-283	0.5660428 Dennd4a	5.745E-304	1.05232907 Hbb-b1	8.8586E-64	1.6933402
Cndp1	9.887E-265	0.58396358 Mt-atp8	5.052E-137	0.56037302 RT1-Db1	4.164E-175	1.04794875 Cavin3	1.4497E-97	1.68748553
Lgmn	5.481E-242	0.57760378 Gapdh	8.231E-232	0.55261154 Fgl2	7.172E-269	1.04759208 Egr1	1.7813E-89	1.67946109
Klf2	7.529E-181	0.57464828 Lsp1	1.227E-252	0.55155509 Tanc2	0	1.04670256 ENSRNOG000	7.0931E-43	1.6674711
Nthl1	7.446E-131	0.56217491 Rspo1	1.176E-266	0.53873687 Cdk14	1.072E-290	1.03598583 Ptn	8.0127E-94	1.65535628
Orai1	4.605E-188	0.55868259 Pla2g2d	1.188E-205	0.5375518 Grap2	0	1.03364828 Il6st	1.7694E-86	1.62990981
Pld3	7.74E-154	0.54234687 Il18	2.705E-209	0.52985581 Zfp36	2.456E-271	1.01830615 ENSRNOG000	2.4095E-72	1.62260978

Emp3	9.251E-234	0.53626612	Acp5	8.112E-209	0.52583877	Tiparp	6.148E-232	1.01553261	Atf3	7.359E-190	1.61618092
Pnp	3.096E-264	0.53619887	Fxyd5	2.847E-267	0.52213145	Ell2	3.647E-129	1.00394483	Plpp3	8.633E-113	1.610063
Cd14	2.539E-161	0.5159268	Itgam	7.154E-224	0.51579451	Baspl	1.625E-280	1.0009187	ENSRNOG000	1.01E-276	1.56617223
Ramp1	1.8506E-99	0.51153468	Glipr1	1.316E-210	0.5133881	Ctsc	1.202E-242	1.000894	Hba-a2	5.8237E-34	1.54171765
Pdpm	4.335E-257	0.50948446	Anpep	4.161E-284	0.50785751	Pde4b	7.975E-217	0.99529822	AABR0704438	5.4804E-42	1.52470439
Smpdl3a	3.186E-164	0.49812435	Ccr2	1.908E-257	0.5071083	Fcmr	9.7E-195	0.99491483	Sox5	7.2436E-35	1.51452605
Mt-nd1	1.053E-194	0.49318973	Trem1	8.763E-211	0.49677384	Tank	1.704E-219	0.9926214	ENSRNOG000	9.856E-31	1.51368274
Cmtm7	2.25E-179	0.48840287	Popdc2	2.356E-257	0.49609861	Napsa	3.163E-103	0.99015991	Lrg1	2.9421E-85	1.51342565
Aif1	2.981E-228	0.48431827	Tyrbp	0	0.48567714	Ctla2a	2.425E-297	0.98833909	Serping1	5.1242E-31	1.51191681
ENSRNOG000	4.6085E-41	0.48268926	Eno1	1.568E-194	0.47671428	Spag9	9.984E-224	0.98034421	ENSRNOG000	6.859E-164	1.50859091
Ctsd	3.466E-133	0.48136422	Pmepa1	2.026E-194	0.46750923	Id2	5.206E-151	0.97943642	Btg2	5.845E-121	1.50633045
Tcim	5.285E-167	0.48061042	Taldo1	5.615E-204	0.46544634	Rgs2	7.111E-148	0.97704285	AABR0700584	1.638E-195	1.50397478
Sgcg	5.883E-148	0.47605203	Slc66a3	3.973E-224	0.46469987	Maml3	5.719E-239	0.97584031	Id3	8.31E-37	1.49959847
ENSRNOG000	1.069E-121	0.47343207	Tgm2	2.376E-292	0.46326648	St8sia4	9.022E-178	0.97053871	Tln2	4.3945E-91	1.49618996
Cfb	1.937E-202	0.46286384	Tkt	8.302E-182	0.45882548	Man1a1	4.888E-230	0.96760749	Il33	7.344E-196	1.48787849
Apobec1	3.316E-147	0.45803228	Ftl1	2.3196E-76	0.45563104	Slc9a9	3.3943E-93	0.96470643	Dlc1	2.9669E-86	1.47676346
Tssc4	2.348E-195	0.45782391	Rpl39.4	3.55E-124	0.44591207	Ccl24	1.097E-237	0.95144185	Prss23	4.7598E-89	1.47285155
Ehd1	1.292E-140	0.45501163	Sulf2	5.32E-203	0.4452015	Arhgap26	5.616E-284	0.95026254	Htra1	2.5246E-45	1.47029638
Msr1	2.236E-143	0.4470658	Gda	3.346E-157	0.44083764	Hdac9	6.009E-150	0.94751811	Errfi1	1.9749E-22	1.46447244
Glul	1.866E-153	0.44111608	Cstb	1.832E-152	0.44029087	Stab1	5.595E-196	0.9441175	Sdc2	5.6098E-65	1.42770326
Prr13	1.399E-154	0.43719402	Htra3	8.663E-193	0.43774544	Fcgr2b	3.328E-225	0.94104562	Tsc22d1	6.1761E-24	1.3992831
Blvrb	3.754E-140	0.43622659	Pkm	1.297E-160	0.43515554	Cd74	6.629E-203	0.94048483	Rhoj	2.3962E-70	1.39898733
Ifi27	5.586E-171	0.43268684	ENSRNOG000	1.557E-184	0.43249043	Iqgap2	0	0.94034104	Fgl2	2.4669E-32	1.39339607
Dnase2	1.483E-121	0.42805607	Gng11	1.548E-213	0.43060575	Mrc1	5.32E-130	0.93854125	Cav1	8.883E-70	1.3732283
Ctsf	3.515E-129	0.42312977	ENSRNOG000	2.227E-204	0.42985296	Klra2	0	0.93594447	Fstl1	2.2508E-30	1.36784934
B2m	0	0.42302347	ENSRNOG000	2.973E-151	0.4296692	Atf3	1.95E-172	0.93223232	AABR0700703	9.965E-149	1.36266726
Hexb	5.06E-113	0.42167679	ENSRNOG000	0	0.42834815	Slc8a1	6.167E-241	0.92841516	Uap1	1.0549E-18	1.35985975
Ap2m1	2.006E-127	0.41946899	RT1-CE16	5.712E-99	0.42628945	Mctp1	2.509E-136	0.92732094	Pecam1	3.2929E-51	1.35677903
Ly6e	3.2932E-93	0.41907147	Pfn1	8.945E-144	0.42481461	Gpr183	5.68E-232	0.91814366	Nfib	1.644E-105	1.35474301
Slc28a2	6.821E-116	0.41689213	Cd59	1.1E-163	0.42299469	Fnip2	5.04E-102	0.91132147	Ly6c	4.778E-108	1.35076997
Snx5	5.212E-102	0.41108612	S100a4	1.759E-200	0.420475	Sik3	4.66E-222	0.91095051	Fn1	2.363E-201	1.35008305
C1ql3	4.193E-120	0.40938342	Tbxas1	5.665E-147	0.42009818	Arhgap18	3.841E-192	0.90873795	Tagln	1.7539E-18	1.34792799
Fcna	1.525E-173	0.40463239	Yipf1	2.578E-155	0.41800316	Lrrc8c	3.979E-182	0.90752371	Clic5	5.3293E-37	1.34678948
Fcgr2a.1	1.533E-112	0.39665185	Gramd2b	6.743E-224	0.4149745	Tnfaip3	2.407E-191	0.90386349	Id1	5.4763E-68	1.34597291
Ccl7	3.0792E-90	0.3943707	Flna	2.396E-177	0.41461179	Jmjd1c	8.978E-213	0.90312211	Ptprb	7.432E-151	1.34421775
C5ar2	1.0582E-91	0.39012835	Mnda	6.123E-114	0.40725759	Hivep2	1.425E-169	0.8923242	Calcl	2.5273E-30	1.33906051
Cotl1	3.489E-103	0.38851181	Card11	3.782E-218	0.40392491	Niban1	9.485E-130	0.88444973	Cdh13	1.241E-103	1.33762932
Ncf1	1.6231E-89	0.3879154	S100a10	8.583E-146	0.40038863	Picalm	8.676E-229	0.87997734	Jun	7.262E-193	1.32630454
Calml4	6.457E-194	0.38507176	Mitf	4.692E-136	0.40020214	Nr4a2	3.028E-180	0.87997229	Cavin2	2.23E-171	1.32524759
Snta1	2.07E-104	0.38502355	Cd53	3.173E-154	0.39962059	Atf6	6.48E-161	0.87255611	Flt1	8.1933E-32	1.31916656
Slc43a2	2.518E-85	0.38408464	Bola2	1.709E-137	0.39767328	Nfkb1	6.285E-148	0.87186393	C1r	1.1504E-26	1.31605363
Scpep1	7.247E-124	0.38296182	Pdlim4	3.148E-159	0.39603719	ENSRNOG000	1.967E-140	0.8692085	Abi3bp	1.3304E-96	1.30853815
Prdx1	1.647E-111	0.3827907	Marchf1	4.55E-142	0.39597525	Mylip	4.798E-147	0.86018264	App	8.1676E-14	1.30339373
Rgs10	4.795E-129	0.38241077	Cfh	2.827E-105	0.39534226	Cytip	8.9908E-53	0.85996576	Mdga2	2.8869E-59	1.29357559
Gas6	1.813E-136	0.38068691	Msr1	8.42E-103	0.39304886	Jak2	5.744E-185	0.85711003	Ugdh	8.872E-13	1.25093357
Cfh	6.115E-138	0.37695036	Mt-nd4l	5.3399E-84	0.39252143	Ankrd44	2.131E-202	0.85546289	Vcam1	2.0087E-37	1.24459464
Dpp7	3.7109E-83	0.37418335	Il1rn	3.636E-177	0.3919034	Ly86	4.374E-214	0.85201374	Col5a2	1.2483E-30	1.24374572
Ndufa4	7.0382E-91	0.37249775	Xdh	6.729E-137	0.38997628	Jun	2.79E-142	0.85018334	Plac8	2.2027E-72	1.23769896
Marchf2	9.259E-111	0.37078725	Tns3	2.786E-118	0.38793042	Zfp36l1	5.464E-239	0.8488527	Thbd	4.0193E-47	1.23558904
Slc9a9	8.252E-162	0.36986236	Ldha	1.976E-111	0.38160064	ENSRNOG000	5.636E-172	0.84493133	Fap	1.397E-12	1.2346634

Hmox1	4.1267E-74	0.36903379	Msn	7.034E-137	0.38023793	Aoah	2.79E-195	0.83965332	Egfl7	4.7346E-96	1.23336234
Sh3glb1	1.653E-103	0.36899687	Clec12a	6.16E-142	0.37993623	Runx3	0	0.83486214	Tcf4	1.0967E-08	1.23288977
Lamp1	1.627E-114	0.36881909	Gsto1	1.474E-150	0.37878385	Tbc1d5	3.089E-173	0.83255361	Ccn1	6.8328E-75	1.22019192
Alox5ap	3.589E-114	0.36706896	Ptprc	1.088E-139	0.37041097	Ccl3	1.9962E-49	0.83057195	Fermt2	2.9461E-07	1.21445773
Cyb5a.1	9.444E-107	0.36324865	Tgfbr1	2.0171E-89	0.37007098	Cst3	1.35E-299	0.8297244	Sptbn1	4.2753E-06	1.2105607
Dnm1	1.397E-141	0.36198046	Capza2	1.368E-135	0.36970149	Nfe2l2	1.289E-185	0.82757576	Timp3	1.6548E-91	1.20773074
Htra1	3.598E-173	0.36100635	Bhlhe41	3.431E-169	0.36756282	Klf6	1.018E-190	0.82599804	Ehd2	2.4679E-46	1.19997015
Tmem160	1.6096E-81	0.36041848	Trps1	4.2477E-82	0.36716666	Fam117b	1.137E-153	0.8211163	Col4a2	2.8797E-45	1.17200135
Rab5c	1.6003E-98	0.36006387	Coro1a	8.193E-117	0.36708155	Adgre1	8.02E-218	0.82097624	Ccdc80	1.9513E-23	1.16733379
Srp14	2.287E-103	0.35988786	Anxa4	2.144E-141	0.36570735	ENSRNOG000	1.0899E-96	0.817718	Rbp7	6.4833E-28	1.15924258
Mt-nd2	1.816E-108	0.35910789	Camkk2	7.694E-154	0.36552047	Zc3hav1	1.68E-134	0.80025154	Mecom	4.442E-112	1.15885725
Ier3	4.251E-46	0.35621088	Cox7c	1.15E-120	0.36312098	Sik1	2.225E-188	0.79931052	Tpm2	2.5052E-12	1.15810325
Itgb5	2.4073E-83	0.35430549	Pgam1	2.781E-125	0.36146153	Ccr2	3.7538E-95	0.79477003	Arl4a	0.00023182	1.15732628
Ncoa3	4.7875E-46	0.35157057	Lgals1	9.6063E-72	0.36028271	Ccl7	0.00038277	0.79414465	RGD1565462.	3.0602E-28	1.1535874
Arl11	6.8235E-72	0.35131023	Crip1	6.8936E-86	0.35968475	RGD1563888	6.978E-167	0.79371437	Bcam	1.956E-105	1.14935883
Cib1	5.6641E-86	0.35017461	P2rx4	2.981E-115	0.35957207	Vav3	1.84E-189	0.78203912	Mt2A	3.2123E-16	1.14801033
RGD1559482.	2.661E-150	0.35007442	Lrp1	1.152E-116	0.35856024	Ext1	1.205E-126	0.77948673	Pam	1.9371E-30	1.14764791
Cox6a1	3.3469E-82	0.34703817	ENSRNOG000	1.096E-222	0.35821327	Phactr2	1.213E-244	0.77836682	ENSRNOG000	3.929E-15	1.13982058
Siglec1	7.241E-68	0.34661665	Rnf149	8.212E-140	0.35795099	Ms4a6bl.1	1.955E-179	0.77804106	Sema5a	1.9664E-40	1.13910418
Tagln2	6.146E-141	0.34508601	Ank3	1.636E-133	0.35673872	Fam107b	2.33E-204	0.77673913	Cytl1	1.464E-103	1.13862274
Pdcd5	2.8038E-59	0.34277853	Arpc5	1.322E-131	0.35641294	Pmaip1	1.101E-265	0.7706665	S100a16	2.3441E-65	1.1339794
Ethe1	2.8937E-75	0.34256146	Atp1a3	1.58E-177	0.35538646	Fcrl2	2.485E-245	0.7690471	Serpinh1	2.9815E-27	1.13102871
Gmfg	3.332E-108	0.340263	Fggy	1.317E-145	0.34916119	Havcr2	6.058E-176	0.76693841	Akap2	1.289E-112	1.11607037
Fkbp2	3.0716E-78	0.3389083	AB124611	1.133E-174	0.34828424	Inpp5d	7.928E-161	0.75977275	Txnip	1.3441E-30	1.10968247
Fuca1	1.1048E-84	0.33732549	Rpl39	3.752E-105	0.34153079	Slco2b1	6.56E-155	0.75300893	RT1-T24-1	1.1477E-53	1.10274882
Pea15	8.2048E-72	0.33579314	Smim14	8.232E-130	0.33833622	Fyb1	4.728E-118	0.75124689	Cald1	4.2805E-54	1.08865543
Vamp8	6.0528E-93	0.335388	PCOLCE2	1.918E-191	0.33797415	Ptprij	8.382E-162	0.74955377	Dpt	1.3003E-27	1.08658366
Nck1	6.0691E-82	0.33504944	AABR0703944	9.329E-118	0.33460585	Jarid2	3.167E-186	0.74563047	Zfp36l1	3.462E-11	1.08645367
ENSRNOG000	3.726E-115	0.33279586	Fkbp1a	1.644E-115	0.33460181	Btg1	7.862E-157	0.74424766	Tnfaip6	1.9437E-26	1.08460551
Mif	2.9406E-74	0.32993748	Il2rg	5.532E-159	0.33450062	Ccl17	5.187E-144	0.74359432	Lbp	6.5846E-12	1.08300158
Gpr34	9.1216E-62	0.32909584	Qpct	7.042E-181	0.33364246	Agps	1.65E-148	0.74232527	RGD1565355	9.4239E-07	1.08061272
Dynlrb1	9.8665E-70	0.32895531	Fgr	7.554E-140	0.33138078	Cwc25	1.653E-110	0.73794363	Fos	1.563E-156	1.08014374
Hsph1	3.9623E-46	0.32838219	Mboat1	2.997E-132	0.3312795	Foxn3	6.119E-171	0.73203282	Ifitm2	1.1404E-26	1.07131798
Icam2	1.3643E-51	0.32774703	Sidt2	5.855E-118	0.33064842	Maml2	7.378E-159	0.72830315	Ece1	2.0125E-56	1.06990422
P2ry6	1.4393E-66	0.32572446	Clec4a3	3.218E-106	0.32896806	Gna13	3.649E-143	0.7274056	Adamts1	3.8388E-58	1.06946967
Fcgr2a	1.574E-109	0.32449572	Gask1b	1.857E-126	0.32870512	Gadd45b	4.029E-119	0.72544376	Nr2f2	1.593E-123	1.06761097
Rab11a	6.4987E-75	0.32408781	Atp6ap2	3.808E-121	0.32782849	Ptpro	2.057E-160	0.72469973	Plcb4	7.1774E-22	1.06655672
Pacsin1	4.4213E-90	0.32370182	Plxbn2	5.449E-94	0.32664683	Ptpn4	4.293E-120	0.71423437	AABR0700039	3.7996E-20	1.06601149
Clec3b	1.1045E-44	0.32252293	ENSRNOG000	1.272E-111	0.32491347	Clec2g	5.16E-161	0.71215511	Uaca	1.0131E-33	1.06063952
Hexa	9.9238E-73	0.32167331	Txn1	2.8E-101	0.32450157	Tbc1d4	1.966E-143	0.71138824	Esam	9.7776E-67	1.0572034
Tcn2	1.4205E-68	0.32065998	Abi3	1.314E-129	0.32383819	Cyria	9.719E-134	0.71132047	Depp1	1.103E-111	1.05105909
Cfap74	7.48E-106	0.31695548	Slc11a1	3.27E-143	0.32124197	ENSRNOG000	2.924E-102	0.7068494	Hspb1	1.7687E-81	1.05087179
Atp5if1	1.5128E-75	0.31599629	Rexo2	5.353E-114	0.31926359	St3gal4	6.889E-172	0.70567978	Adam9	0.00252007	1.0495271
Etv1	3.143E-58	0.31513237	Mbnl1	4.1431E-84	0.31869101	AABR0704463	1.133E-276	0.69651265	Ace	2.1233E-58	1.04443565
Phactr1	8.5955E-69	0.31164503	Slc25a5	1.1437E-97	0.3163683	RT1-DOa	0	0.6915352	Mgll	1.6553E-29	1.04272166
Gna12	1.6524E-60	0.31128172	Plec	4.8983E-98	0.31398129	Mtss1	4.125E-115	0.69017651	Col14a1	1.3104E-14	1.04272123
Cpq	4.835E-107	0.31041024	RT1-DMa	3.1E-106	0.31279089	Tbc1d9	8.8084E-81	0.68683177	NEWGENE-13	1.368E-22	1.04134563
Tlr2	2.1925E-71	0.309418	Myof	6.951E-104	0.31225937	Cd7	0	0.68557124	Nfia	0.00406004	1.03315616
Scamp2	8.8827E-58	0.3077871	Slc39a14	1.187E-169	0.31222937	RGD1309104	8.245E-128	0.6817535	Egfr	3.8143E-07	1.02926779
Pdlim4	3.8895E-63	0.30713067	Tcirg1	3.5E-114	0.31140883	Slc10a6	4.989E-123	0.6780965	Nbl1	0.00235511	1.02215729

Adap2	7.787E-63	0.30651279	Clec4a1	2.1849E-95	0.30712269	Kpna4	2.256E-130	0.67792131	C1s	4.1192E-15	1.01661501
Tmem86a	1.2336E-57	0.30630217	Pdlim7	2.846E-127	0.30669976	Fos	8.2946E-98	0.67317293	Hes1	1.1025E-39	1.01374806
Myl6	5.286E-121	0.30604925	Fyn	5.848E-146	0.3062846	Rassf4	9.784E-139	0.67241605	Naaladl2	3.8157E-22	1.01262673
Crip1	2.5059E-83	0.30400717	Igf2r	2.006E-168	0.30625841	Btg2	3.128E-145	0.6671645	Ddit4	1.0325E-06	1.00315936
Slc48a1	7.5768E-53	0.30392266	Pcnx1	3.32E-116	0.30390051	Il7r	0	0.66353435	Ltbp4	1.6108E-26	1.00212491
Ckb	1.1898E-63	0.30349162	Cklf	8.2938E-89	0.30280273	Fmn12	5.398E-118	0.66329377	Csrp2	1.6332E-65	0.99849938
Fabp3	2.3717E-70	0.29999807	Smpdl3a	1.0813E-89	0.30241426	Tra2b	4.586E-183	0.66299526	Ldb2	1.4783E-82	0.99542016
Ap2s1	3.9261E-56	0.29942984	Rpl22l1	6.4782E-82	0.30082313	Plbd1	3.021E-208	0.66082538	Rpl38.1	3.1594E-53	0.99323593
Olr1	2.9801E-38	0.29856369	Cox6b1	1.3862E-95	0.30081949	Kdm6b	2.528E-215	0.65996804	Igfbp3	2.452E-62	0.99063445
Cd68	4.6938E-59	0.29852981	Mt-cyb	2.2943E-87	0.30042191	Plac8	1.59E-43	0.6568867	Adgrf5	1.782E-108	0.98747979
Lilrb3l	1.6665E-46	0.29790877	Mgst1	1.599E-108	0.29998276	Etv6	1.918E-144	0.65661917	Adamts9	4.477E-122	0.98477026
Cfd	7.751E-281	0.29690539	AABR0702958	8.286E-101	0.29904962	Map4k4	8.996E-136	0.65568785	AABR0700672	1.1279E-39	0.98272864
Ctsh	1.0135E-88	0.29597153	Ybx3	5.152E-111	0.29864141	Themis2	2.856E-162	0.65543434	Tpm1	0.00000167	0.97511559
Tppp3	1.4377E-36	0.29564107	Litaf	6.487E-116	0.29756924	AC128848.1	1.7094E-74	0.65526033	Col6a2	4.0647E-08	0.97456518
Gna15	4.2834E-42	0.29503034	Ppp1r14b	5.697E-95	0.29732612	Sdc4	2.4736E-38	0.6544464	Sulf1	4.3131E-58	0.97226918
Spats2l	2.1502E-90	0.29432804	Dusp2	1.2053E-71	0.29705078	Il6r	2.258E-144	0.65377096	Pdk4	6.1254E-95	0.97083496
Anxa11	1.7085E-63	0.28942245	ENSRNOG000	3.906E-124	0.29402866	Znrf2	1.451E-136	0.6502277	Rbfox2	1.5486E-13	0.96959635
Akr1b1	3.9501E-54	0.28805938	Slit2	2.3994E-71	0.29369364	Parp8	1.782E-278	0.65017986	Rora	2.7364E-07	0.96959237
Sod1	1.0806E-55	0.28750854	ENSRNOG000	3.526E-181	0.29134908	Akap13	9.021E-129	0.64672391	Ptprg	2.9416E-71	0.96769615
Pla2g2a	1.957E-57	0.28653839	Trem2	2.8255E-83	0.29043236	Tmsb10	5.4326E-62	0.64575448	Fam110d	8.7575E-97	0.96762677
Ndufa1	8.4434E-59	0.28552429	Cd74	2.4956E-90	0.28907581	Celf2	4.066E-128	0.64498535	RGD1310587	7.1949E-99	0.96580758
Map1lc3a	1.1816E-69	0.28418131	Sgk1	2.1778E-83	0.28762426	ENSRNOG000	1.874E-234	0.6444044	Vwf	2.3127E-68	0.96522207
Tgfb1	2.1748E-87	0.28278227	Klra5	3.313E-129	0.28755882	Gnai3	7.2885E-89	0.64331418	Ptms	2.9565E-15	0.95720072
Fth1	3.976E-123	0.28277499	Insig1	2.531E-84	0.28660313	Top1	1.61E-147	0.64009632	Zeb1	5.1793E-26	0.95697698
Acad10	3.8596E-70	0.28203272	Fkbp5	1.066E-112	0.28579547	Rps6ka5	1.071E-144	0.63937849	Sod3	6.4522E-31	0.95556531
Adam15	7.4673E-51	0.28153231	Cox5b	1.9699E-99	0.28446077	Plek	9.309E-114	0.63746214	Gng11	0.00010483	0.9542701
Resf1	8.7697E-40	0.28130675	Cysltr1	1.27E-129	0.28408729	P2ry14	0	0.63240643	Bmpr2	0.00351117	0.95024132
Alox5	4.2949E-52	0.28016466	Gm6377	4.5E-132	0.28402198	Zfp36l2	1.384E-137	0.63134047	Heg1	4.3611E-29	0.94987054
Lamtor2	7.8381E-63	0.27706018	Hk3	1.879E-121	0.28203396	Wsb1	5.757E-148	0.63042912	AABR0707318	6.0963E-37	0.94679602
Psd3	2.299E-57	0.27698546	AC109542.1	9.5613E-85	0.28195496	H3f3a	1.118E-182	0.62904102	Palmd	2.533E-101	0.94479424
Micos13	1.1107E-72	0.27640016	Napsa	1.814E-207	0.28039215	Fgd3	3.654E-153	0.62693198	Mmp2	1.0219E-06	0.92900149
Itga9	1.3256E-80	0.27605761	Nme2	1.3714E-92	0.28032094	Oaf	1.515E-139	0.62524502	Sncg	1.3124E-23	0.9284518
Bri3	3.0354E-61	0.27536039	Oaz1	4.153E-130	0.27912146	Gm2a	1.512E-131	0.62496001	Prex2	3.46E-110	0.92690029
Ndufa8	2.4515E-55	0.27315605	Uqcr10	1.5656E-92	0.27679042	Ccnl1	5.011E-163	0.62489439	Cped1	9.532E-115	0.92102606
Smagp	2.9218E-50	0.27144855	Tgfb1	6.2251E-81	0.27567175	Rel1	3.8527E-96	0.6238095	Ier2	1.2279E-08	0.91548504
Mctp2	1.2948E-58	0.27102551	Tagln2	1.6271E-78	0.27514996	Wnk1	8.451E-149	0.62071241	Anxa3	1.9282E-07	0.89950031
Vat1	1.1724E-52	0.27029056	Ly96	2.313E-111	0.27408079	Skil	2.4382E-89	0.61642555	Lamb2	2.1283E-07	0.89685458
Rex1bd	2.0842E-38	0.2683978	Atp5mk	3.6045E-89	0.27316091	Gbbp1	2.219E-140	0.61411787	Mmrn2	5.174E-78	0.89409264
Mvb12a	1.8914E-59	0.26813149	Cast	1.3316E-92	0.27301591	Cst7	5.341E-267	0.6131492	Zfp385d	8.7435E-52	0.88733723
Cd63	3.2358E-86	0.26800368	Ndufab1	9.163E-105	0.27185545	Irak2	2.1196E-95	0.6120921	Magi2	2.4716E-18	0.88733442
Adgre5	1.4429E-56	0.26770435	Atp5mc2	3.2046E-92	0.27168316	Nfkbiz	9.83E-109	0.61034044	Meox2	7.0614E-76	0.88701907
Nfic	4.682E-47	0.26732157	Atp6v0c	1.3146E-89	0.26988348	Ints6	5.175E-120	0.60774614	Prnp	0.00558344	0.8784272
Itm2b	1.829E-127	0.26714388	Uqcrq	2.4793E-80	0.26936581	Trerf1	1.007E-120	0.60703754	Col6a1	3.0713E-08	0.87664886
Blvra	4.7706E-48	0.26544639	Calm2	9.7198E-84	0.26919736	BC005537	5.042E-136	0.60620744	Id4	7.1647E-76	0.87509981
Ndufb7	7.1668E-51	0.26510614	Cd63	6.9951E-61	0.26883163	Vmp1	1.353E-115	0.60488639	Cpe	5.1795E-48	0.87471049
Emp1	3.0723E-58	0.26156912	Zc3h10	2.764E-128	0.26848057	Gdf15	8.857E-17	0.60297625	Pcolce	7.5561E-08	0.87139292
Kank2	3.7653E-67	0.26081177	Rac2	1.898E-149	0.26653872	Baz2b	8.991E-116	0.60180856	Tjp1	5.1827E-67	0.86952205
Fkbp1a	7.94E-63	0.26079724	Inf2	1.824E-101	0.26628391	Btaf1	4.42E-122	0.59933008	Cd200	1.0456E-84	0.86666345
NEWGENE-62	3.494E-100	0.2601474	Tcf7l2	3.0968E-96	0.26570543	ENSRNOG000	4.546E-104	0.59749648	Pkp4	0.00022237	0.86385979
Rasgrp3	1.7154E-75	0.25944489	ENSRNOG000	1.3034E-86	0.26270211	Mcl1	4.607E-133	0.59659492	Fxyd1	5.1088E-13	0.8602203

Tnfaip8l2	5.6865E-52	0.25796058	Myo1f	1.1553E-87	0.26193714	Uty	1.8737E-90	0.59424104	Gsta1	4.6589E-51	0.86013899
Tmem256	1.0878E-32	0.25740107	Slc7a2	4.158E-175	0.26127932	Phlpp1	3.916E-111	0.59186924	Tshz2	8.278E-48	0.85848423
Dnajb1	5.3285E-18	0.25738512	RGD1559482.	2.3715E-93	0.26072	Mrtfa	5.8954E-96	0.59086903	Il1r1	5.1165E-36	0.85592111
Cyba	4.5308E-93	0.25491058	Dapk1	9.4421E-73	0.26068697	Csrnp1	7.346E-139	0.58951552	Mmp3	0.00126354	0.85544581
Rab11fip5	6.3456E-50	0.25479064	Pycard	6.711E-71	0.26055534	Tnfaip8	5.162E-206	0.58938338	Npdc1	3.9615E-06	0.8531593
Itm2c	2.5808E-66	0.25459202	Serpinb8	3.072E-100	0.26009998	Clec4a3	3.909E-118	0.58786425	Adgrl4	3.4982E-76	0.84708949
Sqstm1	1.7454E-50	0.25458632	Vdac2	3.1982E-88	0.25908827	Pim1	2.582E-138	0.58589156	Tmem100	3.8989E-41	0.84230522
Pi16	1.196E-60	0.25340226	ENSRNOG000	4.5231E-85	0.25866085	Ccnd1	3.281E-108	0.58529029	Sdk1	9.3539E-11	0.83731201
Grn	3.7632E-47	0.25263465	Slc23a2	1.5917E-90	0.2585762	Fnbp1	1.258E-125	0.5834033	Pgm5	6.0589E-48	0.83100594
Bloc1s1	1.4256E-51	0.25190907	Smyd3	4.5641E-69	0.25739602	Crem	1.309E-106	0.58138522	Crim1	6.0917E-06	0.82330773
Itsn1	6.0227E-40	0.25184155	Bcat1	7.431E-129	0.25716661	Susd6	9.825E-102	0.58108157	Pcdhga7	4.9472E-09	0.82168902
Dhrs3	5.4361E-50	0.25048519	Aprt	7.3676E-88	0.25713321	Atp2b1	1.632E-125	0.58057304	Kalrn	1.4582E-17	0.8187848
Akr1a1	2.6959E-54	0.25001586	Atp5f1d	1.0211E-94	0.25679074	Birc3	5.905E-149	0.57975941	Pcsk6	6.6024E-17	0.81791561
Ssbp2	2.6369E-22	-0.2500543	Hsd11b1	6.803E-111	0.25613325	Tmtc2	3.212E-121	0.57756703	AABR0702848	2.0519E-38	0.81317332
Smarca2	3.7759E-17	-0.2501039	Ahnak	6.0795E-70	0.25470001	Oasl	3.1024E-18	0.57730622	Dnm3	1.8492E-71	0.81128091
Stk17b	1.0421E-24	-0.2505632	Cadm1	1.2704E-60	0.25447112	Hpgds	1.101E-199	0.57720762	Serpinf1	0.00429348	0.79659655
Birc6	1.0889E-17	-0.2513217	Scimp	3.0539E-91	0.25427377	Zc3h12a	6.264E-132	0.57705781	Actn1	5.2108E-13	0.79101406
ENSRNOG000	8.6666E-36	-0.2515722	Ttc7a	3.9525E-83	0.25405887	Baz1a	1.263E-108	0.57636777	Angptl4	4.2746E-38	0.79097276
Hnrnpa1	2.6058E-15	-0.2518549	Samsn1	1.5011E-89	0.25278761	Flt3	5.439E-282	0.57610152	Ugp2	0.00030239	0.78995615
Plek	1.831E-19	-0.2518893	Rnh1	9.8643E-92	0.25088901	Plekha5	1.622E-129	0.57562221	Rtn1	3.6016E-49	0.78994202
Ptp4a1	1.8414E-25	-0.2527859	Ciao2a	3.0679E-82	0.25033866	Creb5	1.0268E-89	0.57400227	Ntn1	1.9884E-18	0.78914284
Azin1	3.1073E-09	-0.2532226	Diaph3	3.701E-102	0.25033146	Aff1	1.302E-146	0.5720719	Jam2	3.0665E-09	0.78421769
Ankrd28	1.9523E-27	-0.2537501	Itgb1	1.0628E-91	0.25017886	Rpl38.1	4.2862E-71	0.57134479	Flnb	1.0976E-17	0.77873394
Dst	2.264E-09	-0.2544185	Ifit2	0.00042006	-0.2508879	Eepd1	9.025E-182	0.57094327	Upp1	6.2361E-19	0.77442463
Plaur	0.00010104	-0.2546874	Septin11	0.0046814	-0.2509836	Stk17b	5.077E-109	0.57033979	Gadd45b	4.8826E-15	0.77165669
Ano6	2.6726E-09	-0.2549803	Rora	1.446E-06	-0.251793	Zswim6	4.5632E-97	0.57017672	Pls3	9.0623E-07	0.75816887
Scarb1	1.0806E-19	-0.2554786	Lpcat3	4.0344E-07	-0.2521191	Cxcl3	3.0417E-90	0.57014133	Socs2	1.5376E-16	0.75717158
Emb	3.3856E-60	-0.2557681	Siglec1	0.00034095	-0.2525277	C1qc	1.03E-21	0.56979916	Ifi27	3.3302E-92	0.75291832
Pdlim1	1.532E-13	-0.2558008	Hnrnpc	0.00038179	-0.2547283	Icam1	8.3765E-89	0.56882885	Csrp1	0.00054206	0.74839885
Sfpq	1.0979E-12	-0.2558526	Serpinh1	4.5347E-08	-0.2549762	ENSRNOG000	7.6169E-23	0.56813848	Ly6e	4.7336E-48	0.73726844
Csf2rb	6.2083E-40	-0.256436	Mtmr12	6.169E-12	-0.256102	Pnrc1	4.149E-143	0.56786323	Cd151	3.8423E-06	0.73618428
Fosl2	1.6444E-35	-0.2566755	Rps16	1.0575E-58	-0.2561379	Cflar	6.3853E-94	0.566034	Pdlim1	1.9435E-05	0.72707396
Cited2	6.0395E-10	-0.2571332	Comp	1.1272E-09	-0.2565903	Cyrib	4.021E-126	0.56526128	Eif1a	0.00891442	0.72641824
Pik3c2a	5.8339E-29	-0.2578951	Nasp	6.9912E-07	-0.2567199	Soat1	1.6002E-87	0.56346571	Cdh5	8.9658E-07	0.72410778
Trpm7	1.6281E-21	-0.258488	Ube2e3	5.6447E-20	-0.2569459	Bcar3	4.6008E-49	0.56146459	Filip1l	0.00186228	0.721612
Kmt2e	1.3022E-16	-0.2586596	Zfand2a	1.0882E-05	-0.2572159	Tgif1	1.926E-95	0.55985174	Eng	1.1849E-05	0.71619352
Cyth1	4.6389E-24	-0.2592429	Chka	0.00052132	-0.257821	Cass4	5.527E-130	0.55847834	Tgfbr3	1.1756E-23	0.71485953
Phactr2	2.3333E-14	-0.2593264	Sdf4	0.00011765	-0.258131	Slamf7	7.493E-225	0.55683384	Bcat1	0.00243096	0.71415581
Strn3	3.9184E-15	-0.2593743	Calr	1.4658E-23	-0.2585288	Ppp1r10	2.575E-119	0.55633893	Lama4	7.1685E-21	0.7133266
Tbc1d9	2.2989E-11	-0.259396	Hexim1	6.3159E-09	-0.2602051	Prex1	6.8662E-83	0.55549015	Strn3	1.2978E-05	0.70369187
Gls	1.2761E-13	-0.2595166	Serp1	1.3336E-05	-0.260226	Arrdc3	2.2022E-86	0.55303647	Atf5	0.0025025	0.70064686
Rpl35	1.223E-104	-0.2603769	Fuca1	1.0274E-13	-0.261001	ENSRNOG000	8.7931E-88	0.5517863	Ncoa7	0.00454067	0.70029105
Rps15a	5.5724E-83	-0.261672	Cndp2	5.3473E-05	-0.2627288	Cxcl10	6.6398E-26	0.55169928	Creb5	0.00662094	0.6994189
Ddit3	0.0002896	-0.2619515	Wasf2	3.1223E-06	-0.2639785	Ugcg	3.242E-104	0.54946749	Tmem140	0.0021349	0.69587535
Mgst2	2.3017E-43	-0.2622787	Map4k4	0.00522003	-0.2643612	Slc38a1	1.461E-283	0.54837435	Irf7	0.0015143	0.68698622
ENSRNOG000	8.1048E-36	-0.2623958	Ms4a6a	4.6355E-08	-0.2643783	Acp5	1.0725E-53	0.54811584	ENSRNOG000	5.2995E-82	0.68544451
Septin6	1.9924E-62	-0.2623988	Nr3c2	3.959E-45	-0.2653925	Mef2c	2.0407E-96	0.54768079	Dock9	1.6622E-08	0.68475003
Gramd2b	7.6917E-52	-0.2624179	Blnk	4.5089E-11	-0.2654268	Pcna	2.3563E-80	0.54394667	Lamc1	1.2768E-06	0.67573639
Tgif1	3.2471E-21	-0.2628392	Dpp7	0.00002998	-0.2659218	Foxp1	2.545E-108	0.54335927	Hspa5	0.00161554	0.66563681
Slfm4	0.00015739	-0.2634336	Atp2b1	5.6256E-18	-0.2659653	Ms4a6a	2.492E-85	0.54298503	Aplp2	2.9291E-08	0.65151267

Pafah1b1	4.2413E-20	-0.2636702	Plbd1	2.8792E-28	-0.2675888	Cfp	3.641E-131	0.5428798	Clk1	1.941E-10	0.64006825
Kpna1	7.9401E-15	-0.2636898	Hnrnpa1	0.00066574	-0.2679646	Fcgr3a	2.3764E-11	0.54249257	Morf4l2	1.895E-10	0.63736238
Cd164	4.0928E-22	-0.2639502	Ptgs1	1.8608E-46	-0.2694206	Fbxo11	1.1197E-96	0.54100887	Rps6ka3	1.5617E-07	0.63680772
Rps27	8.4176E-65	-0.2644286	Sfpq	0.00083719	-0.2696459	Usp9x	1.15E-110	0.53668698	Actn4	2.1669E-08	0.63313166
Dnajb9	3.9034E-22	-0.2648277	Slc16a10	1.1199E-42	-0.2701707	Wdfy4	3.072E-95	0.53511961	Azin1	8.101E-08	0.62779757
Arhgap10	2.9297E-30	-0.2649364	Vps25	7.0158E-14	-0.2721637	Dusp6	4.6126E-72	0.53508661	Zc3h11a	9.5925E-12	0.62604543
Orai2	1.6266E-35	-0.2657823	Agps	0.00270624	-0.2723369	Ddit3	1.9457E-77	0.53494526	Kpna1	3.1218E-06	0.62147568
Chd2	2.6528E-21	-0.2658518	Sertad1	0.00370866	-0.2730568	Ddx5	7.957E-170	0.53491149	Huwe1	2.9814E-11	0.61951393
Ash1l	7.5302E-23	-0.2658764	Etv6	0.00010232	-0.2731652	Gpr171	0	0.53490407	Cd55	0.00020347	0.61898002
Rabgap1l	1.1002E-08	-0.2662971	Rgs10	1.3596E-35	-0.2732594	Lpar6	4.8709E-80	0.53316215	Fbxl7	0.00087884	0.61505899
Sirpa	2.4531E-27	-0.2672275	Nfil3	4.643E-08	-0.2744575	Ptp4a2	2.984E-130	0.53273415	Rnf19b	2.2019E-07	0.61431743
Mt-nd4l	8.43E-29	-0.267406	AC1411102.1	7.178E-12	-0.2766269	Cxcr4	8.5153E-20	0.53116263	Ifi44	0.00040186	0.61156948
Pkib	7.2677E-41	-0.267538	Rab3il1	3.7696E-50	-0.2768093	Hnrnpa1	1.052E-115	0.53031415	Qk	0.00013864	0.60513222
Rbm39	8.456E-40	-0.268207	Peak1	8.0638E-05	-0.278446	Dyrk1a	9.879E-110	0.52898017	Ets2	2.35E-07	0.60348108
Birc3	1.5125E-41	-0.2683811	Nbl1	6.9399E-05	-0.2785065	Jund	9.195E-104	0.52757844	Hnrnpc	5.1147E-09	0.60303776
Htra4	3.3622E-10	-0.2685937	Magi1	1.1272E-07	-0.2811367	Ncf4	3.583E-120	0.52639379	Zbtb20	8.2813E-09	0.60240716
Ugdh	0.00083946	-0.2706436	Stxbp6	7.1341E-26	-0.2819415	Cd163	1.264E-14	0.52486557	ENSRNOG000	4.8735E-07	0.59997993
Cdkn1b	3.3556E-26	-0.2714508	Tcf12	7.1163E-06	-0.2832969	Ier5	1.61E-109	0.52355478	Tmod3	3.2844E-14	0.59886672
AABR0703463	7.012E-33	-0.2716445	Ugcg	3.3424E-11	-0.283573	Icoslg	0	0.52139841	Calu	0.00054041	0.59657662
Nrp2	2.7216E-05	-0.2721966	Zfat	3.3633E-23	-0.2840214	Cited2	4.3538E-58	0.52080456	Serpinb6a	0.0012118	0.5919446
Pvr	9.6748E-15	-0.2723361	Jak1	2.7637E-07	-0.28462	Man1c1	1.06E-86	0.52000536	Ddx5	1.7625E-15	0.5917638
Ints6	3.1401E-14	-0.2729831	Npdc1	2.0523E-28	-0.2850458	Errfi1	1.2391E-69	0.51972695	Golim4	1.4259E-05	0.58527976
Tpm2	2.3877E-07	-0.2735324	AC099450.1	2.1749E-72	-0.2850485	Plcb4	2.278E-199	0.51959314	Dst	1.9904E-07	0.58419275
Slc44a1	9.5738E-29	-0.2735499	Coq10b	0.00016174	-0.2854783	Dnaaf2	4.4535E-29	0.51856273	Ube2s	2.5857E-16	0.57484192
Ctnnb1	2.167E-10	-0.2736148	Rps6ka5	8.2554E-14	-0.2864185	Adam23	3.3569E-80	0.51791548	Zbtb16	0.00127069	0.57217463
Malt1	4.1673E-29	-0.2741385	Pkp4	2.1097E-11	-0.2870028	Vps54	6.6E-75	0.51589214	Vcl	4.2727E-07	0.5638622
Cebpd	2.1528E-09	-0.2742547	Havcr2	9.2015E-11	-0.2873783	Ppm1h	1.1398E-95	0.51443355	Socs3	3.5608E-06	0.55230876
Vcan	9.929E-35	-0.2743406	Kdm6b	5.1744E-13	-0.2874453	Aff4	7.6548E-98	0.51398064	Tgm2	2.7893E-07	0.54531781
Pabpc1	1.2654E-27	-0.274375	Ctss	3.6608E-62	-0.2874795	Ankrd33b	7.9465E-57	0.51324064	Sgk1	3.8525E-05	0.54511873
Efr3a	9.1643E-40	-0.274483	Ap2m1	5.7189E-15	-0.2875703	Ets2	3.782E-106	0.51293739	Gabarapl1	8.9436E-15	0.54444682
Cebpb	2.166E-20	-0.2745608	Ehd1	2.0085E-10	-0.287636	Ccl2	6.285E-89	0.51153806	Cd9	2.2525E-05	0.54060695
AABR0704463	5.735E-28	-0.2749067	Ctsl	2.5672E-12	-0.2878836	Plscr2	8.331E-149	0.51086952	Rock2	4.1515E-13	0.53738103
Nrros	5.292E-28	-0.2752283	Mt2A	0.00010006	-0.2893255	Zc3h12c	1.55E-144	0.51070116	Luc7l2	3.7141E-16	0.53666901
Klra5	2.613E-58	-0.2756718	Aqp1	1.8119E-05	-0.2894299	Arhgap22	7.6308E-74	0.51065211	Stat3	1.2691E-15	0.53563379
Ccdc88a	4.2648E-28	-0.2760638	Snx2	4.6679E-13	-0.2898196	Coq10b	1.1642E-81	0.50745819	Gnb1	4.116E-11	0.53513873
Arf4	4.1708E-19	-0.2762339	Ubb	4.8499E-87	-0.2898288	Slc2a1	6.9349E-67	0.50586068	Tnrc6c	2.7565E-08	0.53403517
Erbin	9.3607E-25	-0.2764391	Pde4b	0.00035056	-0.290638	Plau	6.2272E-10	0.50551054	Nrdc	2.4738E-08	0.52222458
Atad2b	5.3031E-24	-0.2765319	Cxcl10	4.6177E-20	-0.2913656	P2ry12	3.3246E-59	0.50231951	RT1-T24-4	2.1247E-15	0.52034828
Synj1	1.2596E-30	-0.2769591	Fnbp1	1.3448E-11	-0.2917933	Malt1	2.0529E-64	0.50217487	Klf4	0.00182991	0.51818533
Purb	9.3029E-28	-0.2771786	Runx3	6.3194E-23	-0.2919086	Rapgef6	5.4084E-85	0.50142854	Mbnl2	4.1939E-12	0.51817314
Slc8a1	0.00014538	-0.2772685	Rassf1	0.00079815	-0.2920216	Srsf7	1.427E-101	0.50070844	Hsp90aa1	5.7344E-11	0.51444765
Srsf2	1.5062E-21	-0.2775995	St3gal4	0.00118955	-0.2922062	Bach1	2.0634E-89	0.49774834	Ppp1cb	3.4556E-15	0.51390913
Sf3b1	2.8822E-29	-0.278008	Dennd5a	7.457E-09	-0.2925965	Atad2b	1.0359E-93	0.49708506	Top1	4.2675E-11	0.51376636
Septin7	1.4824E-34	-0.2782446	Inpp5d	7.1678E-06	-0.2930753	Nabp1	3.4251E-60	0.49682355	Ras	1.5231E-13	0.51017996
Litaf	9.9962E-30	-0.2785759	Ints6	1.9589E-08	-0.2943805	Axl	4.5058E-63	0.49501076	Lmo4	7.7583E-10	0.50507055
Tnfrsf1b	1.6222E-30	-0.2787042	RT1-S3	2.6076E-08	-0.2946134	Serp1	4.6717E-96	0.49447455	Tnrc6a	4.1069E-12	0.50463905
Tgfb1	6.6449E-35	-0.2787402	Gsn	1.418E-26	-0.2956362	Rab8b	7.8393E-82	0.49357332	Glpr2	2.7701E-08	0.50311384
Arrdc3	8.1373E-33	-0.279857	Ralgds	1.0966E-31	-0.296048	Apba1	1.3716E-67	0.49333595	Bst2	3.0199E-56	0.50236116
Cmip	4.1197E-20	-0.2801134	Ptpro	6.5159E-09	-0.2987878	Chka	6.079E-81	0.49307628	Ubc	9.3704E-26	0.50137782
Igf2r	4.1058E-61	-0.2804956	Ap2a2	1.4039E-10	-0.2990955	Cmip	1.6192E-80	0.49246544	Lgals3bp	0.00006205	0.50037251

Ppp1r12a	6.4576E-22	-0.2806232	ENSRNOG000	1.1386E-06	-0.300367	Zfat	2.2797E-62	0.49146189	Wnk1	1.7189E-10	0.49909739
Srsf7	1.6286E-24	-0.2811712	Plekhn3	1.0658E-06	-0.3007077	Card11	1.0151E-44	0.49132069	ENSRNOG000	2.3172E-30	0.49289304
Plpp1	1.0304E-19	-0.281594	Niban1	0.00718562	-0.3007359	Synj1	1.3372E-92	0.49072501	Jund	5.149E-25	0.48978498
AABR0702876	1.9972E-33	-0.2821277	Clic5	0.00207708	-0.3018878	Pik3cd	6.476E-188	0.48924847	Srgn	1.3512E-08	0.48887557
Stag2	3.063E-35	-0.2821986	Ctnnb1	0.00096675	-0.3023034	Relb	2.3522E-85	0.48917107	Cpq	5.9864E-11	0.4884633
Kcnn4	6.1152E-33	-0.2822653	Oaf	3.7624E-06	-0.3023611	Srsf3	2.3088E-99	0.48899601	Cyb5r3	1.4301E-15	0.48652032
Pdcd4	6.3023E-28	-0.2825063	Brd2	1.4713E-11	-0.3046807	Gapvd1	4.6315E-84	0.48642558	Ccni	2.8508E-18	0.48643941
Tnfaip8	6.1577E-51	-0.2834576	Irf1	7.8649E-05	-0.3047544	Gpr132	2.598E-280	0.48574314	Prpf4b	2.3867E-17	0.48142487
Ddx3	3.8925E-34	-0.2845948	Pmaip1	6.7989E-23	-0.3088103	Rnd3	1.712E-46	0.48445796	Hist1h2bq	1.4005E-07	0.48057489
Cnot6l	2.628E-34	-0.2853092	Adap2	3.7266E-17	-0.3095103	Rab43	3.709E-115	0.48425531	Bhlhe40	1.538E-08	0.47594598
Bcar3	3.5707E-22	-0.2853284	Nfia	2.7673E-05	-0.3095234	Trib1	3.2486E-69	0.48337081	Clec2g	0.0000373	0.47544272
Fyb1	1.3795E-16	-0.2856138	Eepd1	2.3208E-41	-0.3096846	Itgb7	7.401E-256	0.48325783	Eid1	3.8321E-21	0.47537317
Zc3h10	1.426E-125	-0.2858904	Ppp1r10	1.9584E-07	-0.3106017	Rab32	1.1599E-95	0.4830759	Adk	1.8389E-09	0.47519322
Bgn	5.3428E-05	-0.2861404	Mt-nd1	5.5042E-68	-0.3107258	Rin3	1.4066E-89	0.48174113	ENSRNOG000	2.4551E-07	0.47486875
RT1-DMa	2.1093E-59	-0.2871923	Tcim	9.2956E-33	-0.3107416	Nrros	3.5092E-74	0.47999553	Mrtfb	1.1148E-05	0.47220977
Adam9	8.2231E-12	-0.2873643	Eps15	3.0025E-15	-0.3113152	Arhgap17	1.2711E-68	0.47814886	Bclaf1	2.5773E-16	0.47026576
Rpl35a1	1.7378E-43	-0.2879552	Crem	3.3035E-05	-0.3114626	Rbm39	7.293E-154	0.47694016	Plekha3	4.1939E-12	0.46960738
Itga6	7.2556E-50	-0.2896886	Itsn1	1.9342E-12	-0.3121509	Rac2	1.5066E-65	0.47691757	Mprip	1.7869E-10	0.46730606
Zc3h11a	2.2223E-26	-0.290029	Prkcg	1.8456E-29	-0.3128496	Lrrc8d	6.8272E-83	0.47530512	Wdfy1	8.4124E-07	0.46690753
Myo9a	1.7313E-28	-0.2902405	Nrp1	1.1762E-58	-0.3134019	Grb2	7.742E-104	0.47475077	Col15a1	0.00299558	0.46673251
Srsf3	2.4781E-21	-0.2902785	Mx2	1.1151E-16	-0.313924	Socs3	1.0193E-44	0.47465868	Srsf2	1.7835E-19	0.46566399
ENSRNOG000	1.4292E-51	-0.2908361	Trib1	1.6202E-06	-0.3143973	Fli1	3.5293E-79	0.47308903	Esyt2	5.2928E-13	0.46185384
Themis2	1.443E-33	-0.2908789	Pnrc1	5.9494E-12	-0.3155987	Clic4	1.1955E-80	0.47184143	Dnaja1	0.00770001	0.46085718
ENSRNOG000	0.00647905	-0.2909855	Frmd4a	2.5387E-10	-0.3155995	Map4k1	1.3973E-87	0.47063087	Afdn	0.00044815	0.4587095
Atf4	1.5322E-11	-0.2910453	Man1c1	2.8824E-24	-0.3161525	Arih2	1.1367E-58	0.46834444	Pafah1b1	2.9448E-21	0.45855585
Nfil3	1.7805E-18	-0.2912841	Fap	5.1579E-05	-0.3174682	Bmp2k	3.4397E-79	0.46765463	Plk3	7.2996E-08	0.45724902
Wdfy4	3.4798E-44	-0.2914965	Tbc1d5	0.0005553	-0.3199293	4930523C07R	2.5891E-70	0.46692694	Map4	1.9813E-16	0.44929904
Tagln	4.453E-07	-0.2916421	Nfe2l2	0.00318016	-0.3200031	Snx29	3.6274E-87	0.46621584	Herc1	6.8413E-14	0.4483984
Qpct	5.1468E-87	-0.2925788	Nfkbiz	3.5322E-13	-0.320419	Ern1	4.9739E-63	0.46549092	Raph1	0.00213551	0.44712418
Zfp36	8.0077E-09	-0.292629	ENSRNOG000	1.0636E-08	-0.3206938	Dock8	1.1831E-71	0.4641565	Zfr	4.4037E-22	0.4436976
Znrf2	1.4335E-25	-0.2929406	Dennd1a	9.9841E-14	-0.3211752	Il10	1.322E-116	0.46299578	Asap2	0.0029216	0.44138156
Tacc1	3.0493E-37	-0.2930871	Ptp4a2	2.9015E-17	-0.321456	Epb41l2	2.3903E-58	0.46224478	Nop58	1.5299E-10	0.44137304
Cd53	1.997E-50	-0.2934196	Rps12	4.7561E-85	-0.3222768	Zfp703	1.0124E-91	0.45928516	Cpd	7.7961E-05	0.44107837
Irak2	2.7174E-19	-0.2937059	Btaf1	2.9786E-08	-0.3228214	Med12l	2.606E-162	0.45860957	Birc6	4.3388E-22	0.44046418
Actr3	6.1329E-46	-0.2941791	Maml2	1.2504E-07	-0.3238586	Blnk	2.688E-58	0.45715084	Slfn5	7.1914E-14	0.43918731
Bmpr2	1.1762E-13	-0.294392	Chp2	1.8106E-48	-0.3248081	Aebp2	4.1642E-79	0.4571216	Taok1	1.7225E-11	0.43908828
Rplp0	7.487E-115	-0.2944177	Itga9	3.7555E-33	-0.3251537	Cd86	1.0987E-69	0.45699222	RT1-S3	1.1332E-13	0.43753341
Wnk1	5.8506E-12	-0.2955712	Icam1	8.4297E-21	-0.3262494	Rps29	4.598E-124	0.45690435	Etnk1	6.5179E-07	0.437259
Cdk17	7.2493E-21	-0.2956052	Fstl1	0.00022048	-0.3269143	Diaph1	1.94E-63	0.45558224	Ptpm	3.2896E-07	0.43670764
Lnpep	2.3807E-39	-0.2966014	Sdc2	1.2392E-09	-0.329153	Tpd52	2.0761E-87	0.45528703	Ppp1r12a	1.852E-25	0.43647245
Rel1	9.2303E-15	-0.2979759	Tent5a	1.8568E-26	-0.3300996	Hspa5	1.3116E-91	0.45256661	Cbx1	4.2062E-17	0.43627616
Msn	3.1807E-37	-0.2987766	Fam117b	9.425E-06	-0.3302734	Cdk17	2.2439E-79	0.45229145	Rnd3	9.4754E-09	0.43582292
Rps4x.1	9.814E-104	-0.299017	Glo1	4.9046E-16	-0.3305148	Arih1	1.7303E-83	0.45181694	Lrba	2.2904E-11	0.43539936
Aoah	7.9683E-15	-0.2992187	Nfkbia	2.2764E-30	-0.3307693	Arl5b	2.0918E-97	0.45140365	Sptan1	1.17E-19	0.43515576
ENSRNOG000	5.6418E-31	-0.2994868	Lgals9	3.5215E-25	-0.3320378	Batf3	1.579E-169	0.45124968	Septin7	3.8719E-17	0.43473201
Uty	9.5614E-20	-0.2994983	Bcl2a1	3.2159E-50	-0.3323757	Ptpc	6.9026E-79	0.45063543	Ktn1	1.5137E-22	0.43451128
Stambpl1	4.9506E-83	-0.299601	Rgs1	0.00890901	-0.3333808	Myo9a	1.2446E-88	0.44992244	Bcl2l1	2.7635E-10	0.43360924
Taok1	7.5328E-27	-0.2997936	Rgs2	6.1819E-08	-0.3353359	Csgalnact2	5.5539E-61	0.44831555	Csnk1a1	6.1181E-27	0.43245651
Csrp1	5.0808E-18	-0.3000924	Sat1	4.0004E-26	-0.3366321	Cyld	3.516E-56	0.44696805	Sertad1	1.0561E-18	0.43090493
Csrnp1	4.3275E-24	-0.3003978	Negr1	5.2029E-41	-0.3368979	Smad3	1.159E-128	0.44685048	Nr4a1	2.2729E-08	0.42803906

Rps18	7.3557E-96	-0.3006033	Socs3	3.6539E-06	-0.3369059	Septin6	2.998E-120	0.44560732	Arid4b	5.1544E-26	0.42721744
Itpr1	1.3304E-28	-0.3008747	Axl	3.5438E-13	-0.3377656	Creg1	3.9796E-72	0.44525164	Cdc42bpa	0.00103552	0.42477262
Crem	6.2138E-22	-0.3011496	Tank	0.00746718	-0.3397635	Tnfrsf1b	1.2973E-85	0.44208917	Ssh1	1.1993E-07	0.42465357
Pim1	4.5862E-31	-0.3016634	Pea15	1.7396E-24	-0.3437153	Arf4	8.0219E-74	0.44186079	Cnot4	8.5949E-17	0.42356229
ENSRNOG000	1.5923E-12	-0.3017886	Ccrl2	2.9103E-33	-0.3444884	Stx7	3.2686E-71	0.44131881	Skp1	6.2227E-28	0.42336713
Tgm2	2.1821E-32	-0.3019758	Epsti1	8.8601E-15	-0.3445334	AABR0703077	4.8893E-35	0.44115538	Npepps	2.2216E-15	0.42116878
Dock10	3.3302E-31	-0.3022593	Adam23	2.7479E-62	-0.3454634	Tex2	4.6353E-93	0.44087492	ENSRNOG000	1.7624E-24	0.41991861
BC005537	9.7846E-30	-0.3022925	C1r	8.7175E-10	-0.3464992	Sfpq	3.1822E-87	0.44080132	Larp4	8.6364E-10	0.41910643
Tra2a	3.2202E-29	-0.3024569	NEWGENE-62	1.2335E-97	-0.3467313	Pde7b	5.2021E-48	0.43922653	Ppfibp1	2.1338E-17	0.41782588
Ptprj	1.3661E-25	-0.3038261	Mt-nd2	1.5852E-84	-0.3467542	Gls	1.4238E-81	0.4386847	Plxdc2	6.7607E-12	0.4169958
Ern1	3.9612E-21	-0.3041902	Dlc1	3.2777E-13	-0.3476727	Hsp90aa1	4.5075E-34	0.43632912	Itm2b	2.0095E-37	0.41675127
ENSRNOG000	4.2081E-24	-0.3048779	Fbxl7	1.3334E-57	-0.3482751	Mcub	1.5463E-38	0.43632115	Nbeal1	1.3367E-08	0.41638199
RT1-DOa	1.6745E-74	-0.3051561	Egfr	1.5559E-18	-0.3489709	Hilpda	2.2188E-56	0.43566782	Chka	2.1273E-14	0.415568
Rapgef6	2.1196E-18	-0.3057278	Klf2	2.2688E-18	-0.3490479	Pkib	3.9791E-39	0.43528316	Pip5k1a	4.2867E-07	0.4155139
ENSRNOG000	2.2259E-75	-0.3060905	Aoah	4.4464E-24	-0.3503851	AABR0705351	5.7933E-79	0.43496547	Klf7	8.2964E-05	0.41391102
Prex1	3.381E-30	-0.3062641	Ctsc	4.0356E-07	-0.3507983	AABR070296C	4.2559E-78	0.43494776	Jak1	8.0603E-22	0.41242754
Cav1	4.2696E-10	-0.3088829	Ier5	9.6894E-23	-0.3514776	Med13	2.5849E-84	0.4340021	Scarf1	9.1509E-06	0.41186256
Cd93	2.7588E-39	-0.3093508	Ankrd33b	7.9353E-33	-0.3529703	Ly49s7	6.43E-126	0.43220152	Vgll4	1.2225E-22	0.41109702
Ranbp2	4.5914E-31	-0.3110267	Klra2	7.1312E-67	-0.354833	Tent5a	5.1629E-86	0.43201314	Dnabj9	1.3035E-16	0.41093846
Btaf1	2.8314E-20	-0.3112328	Maf	1.6816E-14	-0.3559681	Uvrag	3.4395E-76	0.43192114	Ythdf2	5.2485E-14	0.41074864
ENSRNOG000	3.3762E-39	-0.3113283	Ext1	0.00003385	-0.3562971	Rnf150	5.7114E-61	0.43150716	Elf2	6.8996E-22	0.40970498
Fgd3	6.0369E-49	-0.3116477	Tnfaip3	7.9711E-22	-0.3569623	Plxnd1	2.6681E-99	0.43132043	Mbd2	2.7244E-24	0.40939254
Itga4	1.6054E-49	-0.3117332	Ets2	4.6479E-08	-0.357955	Erbin	1.8008E-80	0.43111367	Rcan1	1.6358E-18	0.40759668
Tnfaip3	3.3701E-07	-0.3119808	Zfand5	1.4877E-19	-0.3588239	Lilrb3	1.4769E-83	0.43054531	ENSRNOG000	2.7157E-18	0.40535608
Cd86	1.3498E-58	-0.3121369	Folr2	5.6175E-44	-0.3599731	Aff3	7.638E-151	0.42882607	Xaf1	4.6376E-07	0.4050534
Glipr1	3.1869E-49	-0.3125909	Ifi30	4.6451E-07	-0.3628403	Smarca2	3.8143E-57	0.42873423	Arid5b	9.4256E-17	0.40431309
Pcsk1n	1.7121E-08	-0.3134292	Cwc25	0.00008828	-0.3636918	ENSRNOG000	0.00936043	0.42837035	Bzw2	5.2076E-12	0.40245995
Icam1	1.4742E-07	-0.3148025	Wsb1	2.3235E-22	-0.3647019	ENSRNOG000	1.5885E-75	0.42817613	Sdhaf1.1	2.5331E-15	0.40243343
Huwe1	7.223E-30	-0.3151788	Azin1	2.152E-15	-0.3715669	Kmt2e	1.4375E-80	0.42743709	Dag1	3.3104E-08	0.40206081
Stx7	5.2478E-44	-0.3153481	Kcnt2	1.3455E-18	-0.3732546	Plekho2	1.2564E-64	0.42716437	H1f2	1.8211E-10	0.40126269
Actr2	3.2116E-53	-0.3158415	Arhgap6	0.00014205	-0.373418	Lpxn	1.5568E-60	0.4268912	Fyttd1	1.3279E-07	0.40074586
Socs3	1.308E-06	-0.3162549	Nr4a2	6.9928E-11	-0.3741689	Stap1	2.4861E-58	0.42684749	Ctsl	2.1141E-08	0.40023959
Lrrc8c	1.3976E-12	-0.3165311	Btg1	7.9907E-07	-0.3748447	Rlf	2.0248E-80	0.42641947	Srsf10	1.4913E-17	0.39936557
Rnf149	1.4182E-51	-0.316657	Tpd52	4.8107E-37	-0.3773181	Sat1	1.106E-41	0.42621974	Ankrd28	8.7653E-12	0.39907057
Mrtfa	8.0115E-41	-0.3191811	Arih1	0.00003743	-0.3778586	Septin11	1.7236E-57	0.42609069	Prkch	0.00057101	0.39890278
Mitf	3.4449E-27	-0.3196618	AABR0704463	1.6448E-70	-0.3779541	Dse	1.2087E-67	0.42473027	Smc1a	4.3497E-28	0.39845389
Etv6	8.481E-28	-0.3197887	Snx5	9.7578E-27	-0.3790681	Atp6v0a1	1.8002E-60	0.42399078	ENSRNOG000	6.4084E-10	0.39705363
Havcr2	4.4766E-31	-0.3200734	Samd4a	3.0488E-34	-0.3796878	Itsn2	9.2875E-70	0.42345209	Pbx3	3.1614E-12	0.39490606
Tmtc2	1.074E-33	-0.3206481	App	1.8987E-05	-0.3797449	Frmd4a	1.3866E-41	0.42336487	Herc6	1.6426E-08	0.39339484
Sh3bgrl	3.8286E-45	-0.3222408	Lrrc8c	1.2379E-11	-0.3798117	Usp32	3.9727E-85	0.42334682	Ckap4	0.00028192	0.39255828
Clk1	1.0513E-30	-0.3237842	ENSRNOG000	1.2795E-08	-0.3807564	Nlrp3	8.6652E-46	0.42287625	Cnn2	6.8198E-12	0.39227538
AABR0703077	3.4596E-19	-0.324072	Spats2l	2.0139E-44	-0.381581	Nr3c1	2.8647E-55	0.4225345	Rsrc2	1.8735E-25	0.39188531
Cst7	1.4056E-97	-0.3241484	P2ry12	8.9608E-35	-0.3854909	Mtmr10	3.2658E-35	0.4216958	Pfdn1	1.1707E-28	0.39121921
Rps3a	2.012E-105	-0.3242206	Ddx5	3.5694E-53	-0.3863312	Tra2a	8.393E-91	0.42093297	Fkbp5	1.9481E-13	0.39100221
Fyn	9.0709E-43	-0.3250905	Basp1	1.608E-20	-0.3869198	Ptp4a1	3.9531E-86	0.41972956	Eef1a1	1.0653E-19	0.39097132
Utrn	4.0783E-27	-0.3251094	Fchsd2	7.1051E-21	-0.3879555	Cltc	1.6299E-72	0.41946022	Ube2l6	3.0261E-06	0.39096692
ENSRNOG000	1.0298E-12	-0.3251746	Zfp622	1.1664E-29	-0.3887567	Pikfyve	1.3427E-31	0.4193817	Tsc22d2	2.7877E-11	0.39041911
Pid1	2.0862E-36	-0.3252677	Dapp1	1.1122E-06	-0.3890857	Ralgds	8.1541E-83	0.41905549	Cdkn1b	5.5463E-17	0.3902555
Fkbp5	2.0382E-41	-0.3261027	Klf6	3.2862E-25	-0.389604	Igf1	4.6707E-29	0.41843456	Dnabj6	1.2975E-33	0.38998705
Cybb	1.0389E-41	-0.326365	Slfn2	2.0832E-19	-0.3896909	Tgfbf1	9.9655E-36	0.41688272	Palldl1	0.00736436	0.38919033

Qk	2.566E-27	-0.327742	Hivep2	3.6684E-09	-0.3909451	Itga4	3.0405E-47	0.41617491	Ust	8.3141E-10	0.38870749
Fbxo11	9.3253E-29	-0.3278583	Ifi27	4.3171E-62	-0.3922758	Slc38a2	9.3111E-69	0.41611936	Gem	0.00019534	0.38745172
Pecam1	4.8076E-17	-0.3291653	Ly6e	3.5795E-46	-0.3923092	Ddx6	5.956E-69	0.41595107	Tubb2a	7.5901E-22	0.38694638
Tcf7l2	4.6974E-36	-0.329538	Tcf4	4.0055E-05	-0.3956629	Zfand5	7.0529E-63	0.41356989	Psip1	7.3465E-09	0.38575147
Rps21	1.3642E-98	-0.330239	Map4k1	1.3307E-33	-0.3973661	Ppm1l	5.9273E-67	0.41282871	Tra2a	8.4626E-19	0.3857373
Rpl3	5.266E-104	-0.3313878	Plk2	3.7822E-22	-0.3974193	Glo1	1.7939E-68	0.41280252	Tm9sf3	5.2016E-25	0.38404301
Pnrc1	1.3203E-28	-0.3315754	Icam2	4.1922E-14	-0.3978539	Nrp2	6.6243E-20	0.41232033	Nrp1	0.00943609	0.38396998
Pmaip1	1.1798E-49	-0.3317009	AABR0704438	2.3627E-11	-0.3991513	Nfkbia	3.1909E-44	0.41204418	Pla2g2a	4.0395E-15	0.38381258
Iqgap2	3.224E-26	-0.331949	Rapgef5	1.0776E-23	-0.3991612	Bhlhe40	6.7505E-15	0.41189186	Rab18	2.0558E-31	0.3835321
Glpr2	3.6588E-50	-0.3335344	Tifa	8.1765E-28	-0.3992278	Ddx3	6.0059E-59	0.41175887	Maff	6.678E-08	0.38301753
Ly49si1	1.909E-85	-0.3337191	Tra2b	3.801E-18	-0.3994534	Rabgap1l	7.1799E-46	0.41146216	Ddx3x	1.763E-22	0.38271575
Baz2b	3.0238E-28	-0.3349597	Arid5a	2.3114E-53	-0.4019392	Ubn1	2.6548E-69	0.41140511	Fndc3b	1.7104E-12	0.38224382
Apbb2	1.4002E-51	-0.335059	Atf6	4.7014E-05	-0.4043666	Camk1d	1.1262E-45	0.41137379	Mt-nd5	3.782E-14	0.38220477
Tsc22d1	1.6552E-11	-0.3357801	Arhgap18	1.345E-15	-0.4043835	Gem	4.5667E-66	0.41078602	Prkaca	6.2911E-11	0.38156141
Mcl1	2.2541E-29	-0.3360322	Plin2	0.00269042	-0.4055998	Dusp16	4.7685E-72	0.40918085	Cdk17	3.4493E-07	0.38028976
Clec7a	1.2875E-28	-0.3367338	Mamdc2	1.2309E-13	-0.4069944	Nod2	1.0946E-73	0.40894411	Ddx39b	9.0992E-27	0.37985029
Klra17	8.8088E-88	-0.3371728	Calcll	3.819E-09	-0.4116018	Ramp3	2.317E-128	0.40734645	Mtdh	3.1726E-28	0.37967063
Ddx6	5.3308E-46	-0.3388239	Tpt1	2.219E-195	-0.4120148	Cd164	2.0383E-69	0.40711827	Matr3	5.2982E-27	0.37909358
Chka	2.1637E-17	-0.3389289	H3f3a	5.3229E-91	-0.4137931	Arid5b	1.5024E-54	0.40697666	Fus	1.0052E-16	0.37821844
ENSRNOG000	9.4225E-50	-0.3423392	Ier2	2.9677E-20	-0.4140152	Slc16a10	4.3068E-76	0.40691751	Rabgap1l	2.986E-19	0.37720275
Med13	1.3843E-32	-0.3429524	Top1	1.7053E-11	-0.4147514	Cnksr3	1.8234E-92	0.40619872	Ubap2l	4.0867E-31	0.37586191
Kdm6b	3.0871E-44	-0.3429644	ENSRNOG000	2.9825E-17	-0.4179808	Fosl2	1.6698E-90	0.40528775	Slco3a1	0.00069697	0.37579432
Ddit4	3.5788E-34	-0.3438079	Iitm2c	3.2495E-39	-0.4196682	Chd2	3.2236E-59	0.40408099	ENSRNOG000	1.5551E-19	0.37465307
Fcgr3a	1.3962E-13	-0.3445816	Aif1	1.159E-112	-0.4231066	Tp53rk	5.822E-89	0.40403308	Polg2	1.6012E-09	0.37364189
Zbtb20	1.8541E-21	-0.345526	Dennd4a	1.6583E-07	-0.4231778	Eps15	2.6763E-49	0.40387285	Gda	4.1331E-16	0.37227082
Tra2b	1.0394E-24	-0.3472559	Rarres1	5.968E-41	-0.4247673	Crebbp	4.7074E-87	0.40357468	Enpp3	2.9271E-08	0.37201807
Agps	5.3703E-31	-0.3479131	Atf4	4.9518E-31	-0.4264551	Klf4	3.9593E-46	0.4015601	Cdc42ep3	2.7858E-10	0.37195246
Ddx5	7.0713E-43	-0.3486138	Rnf19b	2.1048E-26	-0.4268618	Rassf1	4.0857E-75	0.40129187	Eif3el1	7.785E-29	0.37186643
Gnai3	2.9678E-23	-0.3500349	Ctsh	1.195E-103	-0.4270048	Ipcef1	5.802E-103	0.40048596	Nipsnap2	7.4977E-12	0.37031912
Oaf	1.0491E-29	-0.3511134	Blvrb	1.0696E-24	-0.4277287	Slamf9	4.1186E-58	0.40047018	Arhgap10	7.6814E-16	0.3696065
Map4k4	4.0694E-31	-0.3512053	Il6st	4.7991E-11	-0.4302901	Csf1r	8.956E-33	0.40007101	Rassf1	3.3461E-29	0.36895972
Trps1	2.5617E-29	-0.3513184	Phactr2	8.9348E-56	-0.4302949	Ndel1	2.1065E-69	0.39956119	PCOLCE2	5.2602E-08	0.36809638
Celf2	6.2904E-34	-0.3533389	Pmp22	3.8486E-33	-0.4312102	Pik3r1	1.1254E-41	0.39932078	Pum2	2.1869E-23	0.36716094
Plekha5	1.0598E-35	-0.3535351	Oasl	2.6221E-08	-0.4316353	Bcl2l11	4.1765E-41	0.3991773	Ndufa7	1.3926E-22	0.36607881
Arid5b	1.4824E-24	-0.3555331	Dnajb1	5.4362E-13	-0.4320756	Snx18	2.2782E-69	0.39849821	Nrp2	1.183E-23	0.36597028
Dusp2	5.0977E-38	-0.3556776	ENSRNOG000	3.8739E-07	-0.4323493	Mideas	1.9126E-55	0.39799506	Cd2ap	2.0667E-11	0.36568256
Rpl22	3.3282E-48	-0.3564231	Gfpt2	1.1592E-14	-0.4334735	Ap1b1	6.195E-65	0.39775338	Sfr1	8.3448E-30	0.36562431
Srgn	1.1518E-23	-0.3584925	Clec3b	3.7609E-24	-0.4388536	Cldnd1	5.088E-59	0.39660037	Septin2	6.7323E-36	0.36472806
Zfp36l2	1.7668E-41	-0.3585701	Nedd4	1.0774E-06	-0.4389472	Azin1	1.0011E-84	0.39656461	Trim24	0.00964751	0.36385709
Luc7l2	8.4045E-36	-0.3587122	Clic4	7.4944E-36	-0.4403799	C1qa	5.0349E-12	0.39544667	Sbno2	3.5461E-08	0.36358866
4930523C07R	1.6947E-91	-0.358805	Hes1	2.2323E-09	-0.4407488	Gch1	2.6068E-37	0.39447969	Tspan5	2.5691E-07	0.36302099
Ets2	1.5175E-25	-0.3591906	Plcb4	1.357E-26	-0.4443005	Elf1	6.59E-55	0.39439715	Man1a1	6.6455E-10	0.36223997
Cwc25	2.4952E-20	-0.3600647	Id3	3.0797E-08	-0.4466515	Pan3	7.2273E-75	0.39387594	Sfpq	2.1294E-29	0.36210795
Rpl39	8.1116E-42	-0.3618841	Loxl2	2.5262E-77	-0.4474764	ENSRNOG000	2.3357E-90	0.39315399	Pnrc1	3.0439E-12	0.36095128
Usp9x	3.0385E-34	-0.3635837	Tbc1d4	2.1355E-59	-0.4476438	Mamdc2	5.5197E-10	0.3930797	Ash1l	9.5579E-25	0.35868451
Txnip	3.4899E-27	-0.3636399	Zswim6	8.478E-30	-0.4500663	ENSRNOG000	1.6595E-90	0.3928766	Pkn2	1.7651E-17	0.35790093
Akap13	1.011E-33	-0.3641126	Iqgap2	7.6054E-68	-0.4501922	Rps25	7.8474E-74	0.39257701	Tra2b	3.4126E-25	0.35780561
Cflar	1.816E-49	-0.3641598	Spag9	1.2832E-10	-0.4515829	Ciita	1.1701E-69	0.39191128	Samd9	3.8236E-16	0.35762981
Soat1	4.2363E-43	-0.3650007	ENSRNOG000	1.6569E-13	-0.4526091	Dgkd	7.0158E-58	0.39086942	Oas1a	1.2743E-12	0.35749893
Esyt2	2.5777E-42	-0.3657687	Tgfbf	2.1475E-50	-0.4527229	Sirpa	1.4966E-59	0.39012338	Thra	5.5457E-06	0.35698509

Gna13	2.071E-42	-0.366667	Mylip	1.0246E-28	-0.4610135	Rabgef1	7.6934E-68	0.38964174	Ppp1r2	2.0592E-23	0.3559695
Igf1	1.1719E-12	-0.3667181	Nr4a3	2.6504E-10	-0.4616138	Dot1l	1.2328E-84	0.38955212	Ern1	4.0339E-13	0.35541392
Bcat1	1.0554E-37	-0.3674928	Igfbp4	4.2553E-07	-0.4621956	Rpl12	4.3704E-87	0.38946068	Irak3	1.5074E-06	0.35454133
Plekho1	2.4292E-65	-0.3677037	Sik3	2.2584E-19	-0.4643695	Rps6ka3	4.4577E-46	0.38911626	Wasl	5.0353E-13	0.35388772
Marchf1	2.1794E-57	-0.3685713	Zc3hav1	4.1945E-23	-0.4657137	Cd82	4.5752E-64	0.38901999	Sp100	2.115E-27	0.35387762
RGD1309104	8.3849E-34	-0.3693758	Mtss1	1.335E-29	-0.4687369	Fbxo33	5.4362E-44	0.38877731	Hexim1	3.4834E-26	0.35358007
Coro1a	1.3927E-40	-0.3696174	Hspa5	1.5016E-45	-0.471797	Slc38a9	7.1679E-73	0.38807996	Pum1	2.617E-17	0.35329318
Aff1	1.5866E-46	-0.3698307	Ccnl1	1.9122E-33	-0.4731474	Lilra5	1.494E-144	0.38783173	Pdia3	1.5725E-14	0.35271381
Vim	4.1555E-84	-0.3699873	Plcb1	1.8771E-07	-0.4734032	Arid4a	5.3153E-63	0.38720629	Rab3gap1	2.5056E-23	0.35198813
Fnip2	3.6337E-14	-0.3702321	Adgre1	2.0375E-90	-0.4789508	Atf4	9.8426E-83	0.38705146	Arhgap26	2.1634E-12	0.35184724
ENSRNOG000	4.484E-84	-0.3703029	Cxcl12	8.8664E-11	-0.4790626	Pfkfb3	1.0905E-62	0.38691744	Myzap	5.707E-15	0.35102473
St3gal4	1.1867E-34	-0.3707523	Ccl3	1.7259E-11	-0.4834814	Plekho1	4.922E-61	0.38643479	Dstn	0.00031863	0.3503182
Ptpn4	1.2735E-37	-0.3712294	Dnaja1	4.3419E-20	-0.484097	Wipf1	4.3288E-62	0.38577863	Oaz2	3.1108E-10	0.34887371
AABR0700767	1.6471E-51	-0.3716047	Jmjd1c	2.1895E-22	-0.4850406	Nup98	7.7781E-74	0.38376828	Mtus1	1.8849E-21	0.34772964
Aff4	1.3569E-41	-0.3719187	Fgfr1	7.556E-118	-0.4865464	Pak1	2.7817E-82	0.38351911	AABR0703521	2.8607E-33	0.34752878
Ccnd1	5.4653E-39	-0.3725118	Ophn1	3.1852E-47	-0.4867049	Cd274	4.8141E-51	0.38332619	Csde1	1.7975E-28	0.34752351
Il1rn	1.87E-102	-0.3727114	ENSRNOG000	2.4413E-18	-0.4872476	Lbh	5.6215E-53	0.38262641	Pja2	1.1371E-11	0.34751876
ENSRNOG000	4.7918E-13	-0.3742419	Wnk1	1.2907E-33	-0.4886467	ENSRNOG000	7.2991E-83	0.38241028	Uhrf1bp1l	6.0847E-16	0.34623096
Slco3a1	2.6195E-55	-0.3758401	Gdf15	9.8934E-15	-0.4906795	Zfand3	1.2029E-63	0.38142427	Wac	8.6783E-33	0.34591591
Hmgn2	3.3686E-48	-0.3769061	Il1b	1.6799E-14	-0.4920648	Aph1b	4.9149E-86	0.38073931	Stag1	2.1274E-24	0.34499754
Rnd3	1.4491E-22	-0.3776507	Nfat5	8.062E-10	-0.4943514	Dennd5a	7.4988E-47	0.38069438	Tspan4	3.7229E-12	0.34479372
Ndrgr1	7.8744E-42	-0.3785172	ENSRNOG000	9.3964E-15	-0.4967109	Map3k3	2.6583E-65	0.37988486	Pcnp	1.3358E-37	0.34383059
Smim14	1.341E-51	-0.3793508	Htra4	3.5228E-18	-0.4976484	Pik3r6	1.022E-93	0.37963123	Rab14	1.4588E-36	0.34348575
AC128848.1	2.3056E-14	-0.3810178	Rhoj	7.8428E-56	-0.5035019	Ubac2	2.1759E-49	0.37785697	Icam1	1.0956E-06	0.34294045
Npm1	6.7661E-81	-0.3816027	Ninj1	1.097E-102	-0.5055108	Btbd9	6.2211E-62	0.37767596	Ppp2r2a	1.6217E-23	0.34288252
Capza2	2.6785E-70	-0.382726	Ell2	1.1772E-16	-0.5059627	Chn2	3.8425E-79	0.37718945	Tubb4b	1.8252E-23	0.34231531
Zcchc7	7.1564E-46	-0.3828822	C4a	3.7344E-18	-0.5091184	Tet3	1.1492E-66	0.37636191	Dync1i2	3.792E-32	0.3414401
Vav3	5.0749E-51	-0.3838634	Apobec1	1.846E-50	-0.5094657	St3gal1	3.1967E-53	0.37630668	Vkorc1	2.8275E-30	0.3411882
RGD1563888	9.8291E-36	-0.3844677	Btg2	2.9596E-21	-0.5097621	Ranbp2	5.5254E-54	0.37551991	Sp3	4.1182E-18	0.34102353
Top1	3.7413E-32	-0.3855058	Ifitm2	1.2508E-47	-0.5116312	Tm6sf1	4.8639E-59	0.37537327	Fam43a	2.5622E-07	0.3398732
Nedd4	0.00509887	-0.3868065	Cndp1	2.808E-103	-0.5126598	Sgms2	5.1709E-21	0.37404689	Rab6a	3.3212E-20	0.33882481
Calcr1	8.5644E-13	-0.3871641	Slc10a6	2.2339E-88	-0.5139564	Ppard	4.5834E-64	0.37364423	Mib1	1.8274E-11	0.33839726
Tbc1d5	4.6922E-27	-0.3879763	Colec12	2.4863E-29	-0.5150932	Slco3a1	5.0724E-27	0.37309482	Arl15	6.7236E-16	0.33795114
Slc2a1	1.4732E-68	-0.3883445	Runx1	3.5398E-13	-0.5190044	Tut7	8.8854E-61	0.37226287	Mras	7.0537E-06	0.33685849
Mbnl1	1.9791E-58	-0.3900381	Medag	3.5676E-21	-0.5197962	Ubc	4.4757E-63	0.37204176	Parp9	4.6462E-21	0.33641352
Vps25	6.523E-06	-0.3901866	Fcna	6.4219E-19	-0.5217476	Slc7a8	6.4761E-34	0.37101999	Setd2	4.311E-25	0.33619366
Rarres2	0.00500069	-0.3902322	Ddit3	2.7831E-41	-0.5268687	Tbk1	1.6591E-49	0.37098546	Ldlrad4	1.0106E-21	0.33612955
Trerf1	6.1699E-71	-0.3910029	C4b	5.4709E-10	-0.5306602	Ube2h	9.01E-55	0.37081646	Ssr3	1.7865E-28	0.33578222
Uap1	2.1208E-21	-0.3915669	Cdkn1a	9.3821E-40	-0.5314845	Tmcc1	1.1477E-42	0.37081311	Tgln2	6.8294E-20	0.33570369
Sowahc	1.6518E-45	-0.392233	Tanc2	1.3284E-41	-0.5327113	Immp2l	1.8466E-31	0.36998208	Pcf11	3.3116E-18	0.33480116
Pde4d	7.4384E-61	-0.3940212	Rel	4.0437E-10	-0.5330245	Itpkb	1.3269E-58	0.36997271	Sypl1	3.086E-23	0.33412222
Pum2	1.4546E-60	-0.3948889	Ndufa4	1.1271E-70	-0.5366819	Slc7a1	2.0476E-71	0.36855185	Ppp2cb	3.3672E-25	0.33358396
Maml2	7.6476E-32	-0.3982312	Prkcz	4.166E-131	-0.5390748	Dnaja1	4.3776E-20	0.36849696	Usp9x	5.9821E-26	0.33295199
Rin3	1.8783E-79	-0.4024718	Bgn	9.6519E-25	-0.5395713	Lcp1	3.7838E-56	0.36764553	Rasa4	4.5988E-20	0.3326705
Mbnl2	6.2737E-38	-0.4041754	Aebp1	1.7129E-19	-0.5405956	Srsf5	3.0839E-66	0.36751005	Tax1bp1	6.6078E-28	0.33166325
Clec12a	6.0052E-70	-0.40479	P3h3	9.2884E-84	-0.5443997	Tle4	2.1705E-38	0.36724217	Sec24a	9.7946E-13	0.33084046
Foxn3	9.6736E-41	-0.4049077	AABR0700296	1.3089E-73	-0.5463083	Dennd1a	9.4552E-43	0.36690107	Tspan13	0.00001869	0.33010409
Fam117b	1.418E-28	-0.4073778	Ubc	1.196E-150	-0.5470593	Abi1	3.0547E-56	0.36662612	Nufip2	2.8005E-24	0.32986506
Cd9	7.5634E-19	-0.4100068	Slc8a1	4.3831E-78	-0.5549311	Mlxip	1.4891E-46	0.3666075	Syne2	7.6291E-21	0.32782381
Cavin3	3.128E-11	-0.4100376	Serping1	6.0075E-38	-0.5561487	Tifa	7.6889E-43	0.36659301	Cdk12	1.1265E-21	0.32749526

Lrg1	1.1385E-38	-0.4105143	Man1a1	2.7379E-34	-0.5629217	Zbtb1	4.3386E-70	0.36591515	Arf4	3.4101E-21	0.32734987
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