

	P value	log2FC	pct.1	pct.2	P adj
Nnat	1.65E-34	6.58273925	1	0	3.04E-30
Ins2	4.37E-32	4.87033507	1	1	8.04E-28
Npy	1.43E-12	4.73843395	0.575	0.056	2.64E-08
Ins1	5.54E-30	4.59606362	0.999	0.944	1.02E-25
Iapp	7.70E-31	3.32260997	1	0.741	1.42E-26
Sdf2l1	5.26E-28	2.45602443	0.981	0.444	9.69E-24
Ppp1r1a	8.24E-29	2.43902473	0.962	0.204	1.52E-24
Dlk1	2.76E-25	2.30025687	0.994	0.537	5.08E-21
Gng12	6.82E-29	2.07206851	0.988	0.37	1.26E-24
Slc2a2	8.78E-26	1.935078	0.871	0.056	1.62E-21
Scg2	3.39E-21	1.84958002	0.98	0.593	6.23E-17
Manf	1.79E-25	1.83872939	0.999	0.833	3.30E-21
G6pc2	8.07E-19	1.81121706	0.733	0.056	1.49E-14
Slc30a8	4.72E-23	1.79411126	0.967	0.352	8.70E-19
Prss53	3.23E-22	1.7321276	0.822	0.056	5.95E-18
Creld2	3.46E-21	1.66691549	0.938	0.444	6.37E-17
Hadh	8.59E-23	1.6616633	0.988	0.426	1.58E-18
Ero1lb	8.35E-28	1.65798497	0.945	0.204	1.54E-23
Sytl4	7.68E-27	1.6474081	0.948	0.148	1.41E-22
Pdia6	6.24E-24	1.6321682	0.999	0.815	1.15E-19
Hspa5	1.45E-23	1.61554141	0.999	0.907	2.68E-19
Pcsk1	1.22E-22	1.57931895	0.946	0.315	2.24E-18
Fkbp11	8.89E-20	1.54602207	0.804	0.111	1.64E-15
Sec61b	4.68E-24	1.54570683	0.997	0.907	8.61E-20
Atp2a2	7.84E-23	1.53276312	0.971	0.444	1.44E-18
Nucb2	1.71E-22	1.47186531	0.916	0.278	3.16E-18
Scg3	4.60E-23	1.43402875	0.999	0.759	8.46E-19
Hsp90b1	2.29E-22	1.38357314	1	0.87	4.22E-18
Fam151a	7.56E-19	1.36105172	0.78	0.13	1.39E-14
Krtcap2	3.84E-24	1.35516339	0.993	0.704	7.08E-20
Dnajc3	1.44E-20	1.34077898	0.929	0.519	2.65E-16
Serp1	1.94E-23	1.32100054	0.959	0.5	3.57E-19
Gm10320	2.12E-07	1.32011898	0.704	0.556	0.00390229
Ssr4	2.57E-24	1.31585906	1	0.926	4.74E-20
Fkbp2	4.61E-24	1.310648	0.996	0.704	8.49E-20
Ostc	5.52E-23	1.30445031	0.997	0.796	1.02E-18
Chgb	8.32E-17	1.2741408	1	0.63	1.53E-12
Papss2	4.62E-22	1.27106466	0.919	0.241	8.50E-18
Calr	3.01E-18	1.26765849	1	0.907	5.54E-14
Ccnd2	1.42E-07	1.2582746	0.654	0.296	0.00260814
Pdia4	4.98E-17	1.23218918	0.972	0.741	9.17E-13
Mlxipl	4.65E-18	1.21013132	0.881	0.315	8.56E-14
Pdia3	6.92E-21	1.20242377	1	0.944	1.27E-16

Rpn2	6.12E-21	1.19660934	0.991	0.741	1.13E-16
S100a10	2.34E-14	1.19433134	0.784	0.204	4.31E-10
Sec61g	1.27E-23	1.18264894	1	0.981	2.34E-19
Chga	1.72E-13	1.18178741	0.999	0.87	3.17E-09
Tmem215	8.66E-21	1.15332303	0.765	0.037	1.59E-16
Spcs1	5.53E-21	1.13571024	0.999	0.796	1.02E-16
Sec11c	3.04E-18	1.13518312	0.932	0.389	5.60E-14
Dnajb9	4.56E-18	1.09915547	0.919	0.463	8.39E-14
Surf4	2.32E-19	1.09387264	0.943	0.537	4.27E-15
Scg5	2.94E-18	1.09363029	1	0.87	5.41E-14
Vimp	4.83E-18	1.08956164	0.943	0.519	8.89E-14
Spcs2	9.02E-20	1.08623772	0.997	0.833	1.66E-15
Selk	1.82E-21	1.08178994	0.996	0.907	3.35E-17
Ddost	5.63E-19	1.08060019	0.997	0.741	1.04E-14
Rpl36al	3.15E-22	1.07811099	0.997	0.963	5.81E-18
Tmed3	1.28E-18	1.07501991	0.997	0.778	2.36E-14
P4hb	1.34E-17	1.07422459	0.949	0.463	2.46E-13
Lman1	6.21E-18	1.07159974	0.945	0.574	1.14E-13
Bace2	9.61E-13	1.06074463	0.557	0.019	1.77E-08
Derl3	6.64E-13	1.05855031	0.586	0.037	1.22E-08
Slc35b1	1.65E-17	1.04211137	0.928	0.519	3.05E-13
Ufm1	1.71E-17	1.02434611	0.948	0.593	3.14E-13
Fkbp1b	1.05E-14	1.02214315	0.687	0.111	1.93E-10
Cryba2	2.87E-10	1.01563548	0.962	0.722	5.28E-06
Fmo1	5.12E-09	0.98965041	0.507	0.093	9.43E-05
Cope	1.16E-17	0.97430775	0.993	0.852	2.13E-13
Tmed2	1.07E-17	0.9728583	0.991	0.815	1.96E-13
Pdx1	7.80E-14	0.96427109	0.942	0.37	1.44E-09
Ssr2	4.37E-16	0.95895328	0.999	0.926	8.04E-12
Atp5g1	1.78E-16	0.95759786	0.999	0.907	3.28E-12
Ffar1	1.77E-15	0.95357405	0.77	0.185	3.27E-11
Sec11a	2.15E-16	0.95176913	0.977	0.704	3.95E-12
Dnajb11	1.17E-13	0.94892582	0.925	0.519	2.15E-09
Guk1	5.91E-15	0.94563856	0.906	0.5	1.09E-10
P2ry1	5.77E-15	0.93914479	0.643	0.037	1.06E-10
Derl2	2.18E-15	0.93914479	0.893	0.519	4.01E-11
Trpm5	3.65E-14	0.9347763	0.572	0	6.72E-10
Nkx6-1	2.61E-14	0.92987815	0.912	0.333	4.81E-10
Hyou1	1.71E-14	0.92701486	0.83	0.259	3.14E-10
Tspan13	2.48E-15	0.92529683	0.916	0.481	4.57E-11
Rasgrf1	5.47E-14	0.91676084	0.617	0.056	1.01E-09
Tmem258	1.32E-15	0.91469175	0.997	0.815	2.44E-11
Ckb	4.96E-09	0.90783525	0.696	0.315	9.13E-05
Ndufa1	8.50E-15	0.90667795	0.991	0.722	1.56E-10

Zc3h3	3.85E-12	0.88885667	0.552	0.037	7.09E-08
Anxa5	1.52E-13	0.88369861	0.933	0.537	2.80E-09
Rwdd1	4.69E-14	0.8784218	0.919	0.537	8.64E-10
Vps8	5.33E-13	0.87265896	0.607	0.074	9.81E-09
Rab3a	1.41E-13	0.87153791	0.936	0.519	2.59E-09
Stt3a	4.31E-14	0.86954794	0.829	0.333	7.93E-10
Smim14	1.18E-14	0.86764527	0.967	0.685	2.18E-10
Tssc4	1.40E-12	0.85805558	0.843	0.444	2.58E-08
Edem2	6.34E-13	0.85713014	0.862	0.389	1.17E-08
Ociad2	2.05E-13	0.85629941	0.939	0.5	3.77E-09
Dad1	5.22E-16	0.84516275	0.997	0.944	9.61E-12
Gnas	2.90E-11	0.84300757	1	0.944	5.33E-07
Uqcrq	2.25E-16	0.83361421	0.993	0.926	4.14E-12
Dpm3	1.37E-13	0.83189224	0.913	0.463	2.51E-09
Srp9	6.53E-15	0.82853288	0.988	0.722	1.20E-10
1110008P14F	1.08E-12	0.8258741	0.897	0.481	1.98E-08
Kdelr2	2.09E-11	0.82086078	0.878	0.407	3.85E-07
Ucn3	2.73E-08	0.81803571	0.409	0.019	0.00050242
Syndig1l	1.10E-12	0.81272143	0.529	0	2.03E-08
Mien1	9.86E-13	0.81128303	0.984	0.778	1.81E-08
Ift20	8.25E-12	0.80312545	0.917	0.648	1.52E-07
Tram1	4.41E-13	0.79780576	0.906	0.556	8.13E-09
Cntfr	4.65E-11	0.79760663	0.538	0.056	8.55E-07
Gpx3	6.22E-10	0.79749602	0.972	0.778	1.15E-05
Frzb	1.81E-12	0.79304113	0.57	0.037	3.32E-08
Canx	2.74E-11	0.79072525	0.949	0.704	5.04E-07
Exoc7	1.15E-10	0.78735978	0.722	0.278	2.11E-06
Uso1	1.19E-12	0.78478989	0.755	0.278	2.18E-08
Meg3	8.61E-10	0.78162013	1	1	1.58E-05
Slc2a5	5.75E-12	0.77954583	0.774	0.296	1.06E-07
Arhgap36	1.33E-11	0.77799956	0.528	0.019	2.46E-07
Cycs	2.88E-14	0.77544819	0.951	0.648	5.29E-10
Uqcc2	7.87E-14	0.77279252	0.994	0.852	1.45E-09
Minos1	2.61E-13	0.77262682	0.999	0.907	4.81E-09
Ssr3	7.24E-12	0.77208374	0.867	0.463	1.33E-07
Magt1	1.68E-12	0.7715636	0.874	0.426	3.08E-08
Nt5dc2	1.34E-09	0.77043415	0.852	0.537	2.48E-05
Bet1	5.10E-11	0.76673222	0.765	0.315	9.39E-07
Cd164	1.94E-13	0.76508471	0.972	0.722	3.58E-09
Srm	5.75E-11	0.76415731	0.662	0.185	1.06E-06
Rpn1	4.66E-12	0.76366112	0.959	0.759	8.58E-08
Ufc1	2.13E-11	0.76138255	0.881	0.5	3.91E-07
Phactr1	6.17E-13	0.75783227	0.645	0.111	1.14E-08
Acly	3.34E-12	0.75694146	0.951	0.704	6.15E-08

Tspan7	1.64E-10	0.75539245	0.984	0.741	3.02E-06
Entpd3	3.05E-13	0.7550693	0.754	0.222	5.62E-09
Spock2	2.91E-12	0.75344717	0.613	0.074	5.36E-08
Gfpt1	2.85E-12	0.75321384	0.803	0.352	5.25E-08
Cdk2ap2	2.59E-10	0.75169593	0.867	0.444	4.77E-06
Gadd45g	4.69E-08	0.74496008	0.871	0.611	0.00086436
Ssr1	2.08E-13	0.74412881	0.862	0.426	3.84E-09
C1qa	1.72E-07	0.74316865	0.538	0.148	0.0031659
Hopx	3.38E-10	0.74284981	0.549	0.074	6.21E-06
Cst3	1.60E-13	0.74281311	1	0.926	2.94E-09
Igsf1	2.75E-09	0.7383449	0.528	0.093	5.07E-05
Cks1b	8.32E-08	0.73794853	0.642	0.278	0.00153169
Fam174b	6.64E-11	0.72760289	0.807	0.389	1.22E-06
H13	4.37E-11	0.72514016	0.87	0.463	8.05E-07
Pcsk2	2.85E-10	0.72427543	0.999	0.759	5.24E-06
Gmppb	1.21E-10	0.7241319	0.629	0.148	2.24E-06
Cib2	1.09E-10	0.72097387	0.635	0.167	2.00E-06
Mif	2.00E-10	0.71843727	0.971	0.741	3.68E-06
Gch1	4.62E-10	0.71751976	0.98	0.741	8.51E-06
Maob	6.51E-10	0.70920392	0.713	0.259	1.20E-05
Scgn	8.72E-10	0.70696073	0.97	0.704	1.61E-05
Uggt1	8.04E-11	0.70614427	0.652	0.204	1.48E-06
Adra2a	1.92E-10	0.70366392	0.536	0.074	3.53E-06
Sar1b	6.16E-11	0.69562695	0.87	0.574	1.13E-06
Ece1	1.54E-10	0.69291794	0.872	0.481	2.83E-06
Cpe	6.82E-10	0.69231263	0.999	0.907	1.26E-05
Wls	6.88E-11	0.69063044	0.654	0.148	1.27E-06
Derl1	2.47E-10	0.6896638	0.622	0.167	4.55E-06
Txn1	7.43E-11	0.68493263	0.986	0.815	1.37E-06
Pdia5	7.83E-11	0.68461051	0.668	0.204	1.44E-06
Abrac1	7.67E-10	0.6779828	0.793	0.37	1.41E-05
Srpr	5.19E-10	0.67784128	0.867	0.593	9.56E-06
Rab1a	1.15E-10	0.67761398	0.958	0.722	2.11E-06
Nans	1.84E-09	0.67428175	0.806	0.426	3.40E-05
Rrbp1	4.73E-09	0.66928563	0.922	0.593	8.71E-05
Acvr1c	2.17E-08	0.66784277	0.499	0.093	0.00040008
Usmg5	1.56E-10	0.66599532	0.994	0.926	2.88E-06
Hdlbp	1.15E-08	0.66562495	0.817	0.463	0.0002115
Lpl	4.83E-06	0.66343656	0.59	0.241	0.08890266
Atp2a3	6.36E-10	0.66205685	0.617	0.185	1.17E-05
Tmed9	2.39E-10	0.65329269	0.952	0.759	4.41E-06
Ndufv3	6.02E-10	0.64942935	0.991	0.778	1.11E-05
Xbp1	5.92E-09	0.64566254	0.872	0.556	0.00010904
Prnp	1.40E-09	0.64534671	0.959	0.778	2.59E-05

Yif1b	2.90E-09	0.64531724	0.645	0.222	5.34E-05
Ppib	3.25E-09	0.64509697	0.991	0.87	5.98E-05
Wfs1	9.30E-11	0.63654876	0.548	0.056	1.71E-06
Ppa1	1.19E-08	0.6334596	0.675	0.278	0.00021941
Txnl1	2.94E-09	0.63148977	0.922	0.667	5.41E-05
Erp29	2.07E-10	0.63127157	0.981	0.852	3.82E-06
Serf2	5.44E-10	0.63053282	0.999	0.926	1.00E-05
Golga4	4.70E-10	0.62940105	0.743	0.296	8.66E-06
Enho	2.15E-09	0.62415177	0.674	0.222	3.95E-05
Lyve1	6.50E-08	0.61989083	0.393	0.019	0.00119725
Sec61a1	8.36E-09	0.61191389	0.807	0.407	0.00015388
Atp5j2	3.47E-11	0.60932684	0.999	0.963	6.40E-07
1500009L16R	3.82E-08	0.59848949	0.642	0.222	0.00070271
Arl1	2.33E-09	0.58723267	0.936	0.722	4.28E-05
Mafb	4.73E-06	0.58707896	0.97	0.759	0.08701757
Tmem14c	2.77E-07	0.5849625	0.81	0.481	0.00509862
Clptm1l	4.81E-08	0.58212693	0.532	0.148	0.00088507
Aldh9a1	7.13E-08	0.58104969	0.5	0.111	0.00131327
Gjd2	1.64E-09	0.57722166	0.701	0.241	3.02E-05
Wipi1	9.30E-07	0.57675758	0.555	0.185	0.01711522
Slc38a4	2.98E-08	0.5698292	0.496	0.093	0.00054862
Ndufb10	1.81E-09	0.56979493	0.958	0.778	3.32E-05
Dpp3	3.33E-08	0.56928088	0.68	0.315	0.00061245
Mrps33	5.15E-08	0.56892645	0.983	0.796	0.00094888
S100a11	3.78E-07	0.56879879	0.996	0.796	0.0069602
Plpp5	3.77E-08	0.56801699	0.645	0.278	0.00069493
Zfp568	1.09E-08	0.56591321	0.5	0.093	0.00019986
Dap	5.86E-08	0.56550554	0.891	0.574	0.00107953
Gng4	2.51E-08	0.56522628	0.568	0.167	0.0004629
Actn3	8.07E-08	0.563764	0.5	0.093	0.00148543
Ndufb11	3.94E-09	0.56130269	0.997	0.87	7.25E-05
Tmem167	1.63E-08	0.55855666	0.888	0.537	0.00030037
Gorasp2	1.34E-07	0.55517595	0.723	0.352	0.00247369
Srp54b	1.32E-07	0.55220403	0.859	0.667	0.00243652
Sec23b	2.88E-07	0.55140792	0.639	0.278	0.0052944
Bet1l	4.76E-07	0.55018378	0.594	0.241	0.00875696
Nme1	4.10E-09	0.54761465	0.99	0.944	7.55E-05
Gm10941	5.73E-08	0.54113971	0.467	0.074	0.00105584
Kcnmb2	3.68E-07	0.53795634	0.571	0.204	0.00676951
Tbcb	2.58E-07	0.53565958	0.906	0.722	0.00474758
Tmem65	9.40E-08	0.53523223	0.449	0.074	0.00173131
Sez6l2	3.63E-07	0.53432636	0.791	0.407	0.00668613
Morf4l2	2.89E-08	0.53208757	0.987	0.926	0.00053234
Prdx3	1.53E-06	0.53164567	0.735	0.463	0.02816534

Sh3pxd2a	1.38E-08	0.53099714	0.39	0	0.0002542
Cox5b	2.32E-08	0.5289863	0.996	0.926	0.00042677
Cyb5a	2.56E-06	0.52586775	0.661	0.333	0.04719801
Nt5c3	4.64E-06	0.52486204	0.664	0.389	0.08540539
Atp6v1e1	1.35E-07	0.52482206	0.959	0.722	0.00249075
Dnajc10	4.53E-07	0.52262768	0.641	0.259	0.00834855
Spcs3	1.26E-06	0.51850604	0.694	0.37	0.02315999
Ndufb8	1.03E-08	0.51780701	0.996	0.852	0.00018921
Erp44	1.97E-06	0.51605502	0.799	0.519	0.03624444
Swi5	1.85E-08	0.5144081	0.996	0.926	0.00034116
Edem1	2.27E-07	0.51425951	0.393	0.037	0.00418739
Sec24d	6.24E-08	0.51362185	0.514	0.111	0.00114973
Uqcr11	2.56E-08	0.51331811	0.997	0.944	0.00047224
Ivd	2.29E-06	0.51126201	0.526	0.185	0.04222398
Itpkb	7.37E-08	0.51084807	0.442	0.056	0.00135619
Ndufs5	2.84E-08	0.50900673	0.987	0.87	0.00052348
2310039H08f	3.24E-06	0.50885952	0.754	0.444	0.05966556
Syt13	4.28E-06	0.50846361	0.964	0.741	0.07882877
Galnt18	3.13E-07	0.50807033	0.526	0.148	0.00576797
Ndufb6	4.31E-06	0.50658321	0.864	0.667	0.07930347
Tma7	4.45E-07	0.50563802	0.996	0.926	0.00820123
Mia3	3.66E-07	0.50533866	0.696	0.296	0.00673011
Romo1	2.90E-06	0.50486761	0.988	0.796	0.05340112
Mrps36	2.53E-06	0.50131271	0.775	0.5	0.04649454
Yipf5	3.16E-06	0.49668126	0.578	0.278	0.05823468
Atp5o	1.36E-07	0.49641361	0.99	0.833	0.00251051
Sub1	2.30E-09	0.49589555	0.997	0.926	4.24E-05
Slc37a4	3.98E-07	0.49547271	0.609	0.222	0.00731971
Uba5	2.17E-06	0.49435995	0.686	0.37	0.03999682
Ubl5	1.36E-06	0.49404437	0.997	0.907	0.02498464
4833439L19R	4.83E-06	0.49350704	0.772	0.519	0.08901326
Ndufa2	9.68E-08	0.49327644	0.994	0.852	0.00178261
Timm10b	1.40E-06	0.49251625	0.755	0.444	0.02585369
Slc33a1	1.76E-07	0.48900672	0.47	0.093	0.00323453
Ntrk2	1.24E-06	0.48872442	0.372	0.037	0.0227429
Tmod2	2.50E-06	0.48872442	0.374	0.056	0.04597909
Cox7a2	1.95E-07	0.48707885	0.997	0.963	0.0035836
Naga	1.67E-06	0.48705515	0.533	0.185	0.03073007
Tmed10	1.17E-07	0.48488033	0.996	0.833	0.00215907
Tvp23b	1.90E-06	0.48080593	0.829	0.63	0.03500112
Fam183b	4.03E-06	0.48022962	0.986	0.815	0.07414891
Gabarap	1.77E-08	0.47976082	0.996	0.926	0.00032581
Gtf2a2	2.49E-06	0.47959049	0.897	0.667	0.04587321
Smdt1	2.97E-06	0.47662687	0.984	0.778	0.05469024

Camk2n1	3.64E-06	0.47127634	0.819	0.5	0.06709597
Mrps12	4.82E-06	0.47019643	0.801	0.537	0.08881683
Slit1	1.21E-06	0.46786215	0.396	0.056	0.02235723
Pclo	2.45E-06	0.46628143	0.803	0.444	0.04516566
Arf1	1.21E-06	0.46193847	0.996	0.944	0.02228789
Ost4	1.53E-06	0.46138263	0.899	0.667	0.02822726
Zfyve21	2.87E-06	0.46038683	0.604	0.241	0.05276708
Scnn1b	6.68E-07	0.4582907	0.325	0	0.01230717
Cox6a1	1.88E-06	0.45385311	0.999	1	0.03465386
G6pc3	2.28E-06	0.45234332	0.428	0.093	0.04204452
BC031181	1.83E-06	0.43685237	0.89	0.685	0.03360356
Sep-15	1.56E-06	0.43635084	0.99	0.963	0.02872937
Mpp3	2.39E-06	0.43614534	0.406	0.074	0.04404063
Atp5e	6.25E-07	0.43551738	0.999	0.981	0.01151379
Hspa13	3.59E-06	0.43381841	0.61	0.259	0.06605131
Thyn1	4.00E-06	0.43089652	0.558	0.204	0.07356453
Cox8a	1.25E-07	0.42833837	0.999	1	0.00229315
Ghr	4.91E-06	0.42178306	0.628	0.278	0.09045805
Larp1b	4.80E-06	0.41635744	0.362	0.056	0.08834163
Mrfap1	1.20E-06	0.4131196	1	0.981	0.02209465
Srprb	5.30E-06	0.41079524	0.641	0.333	0.09753858
Uqcrb	8.07E-07	0.40614904	0.997	0.981	0.01486059
Wbp5	1.69E-07	0.40612262	0.999	0.981	0.00311691
Atpif1	4.49E-06	0.35961054	0.997	0.963	0.08268626
Prdm10	2.49E-06	-0.1312445	0.014	0.111	0.04583032
Schip1.1	2.49E-06	-0.1312445	0.014	0.111	0.04583032
Gm10069	4.89E-07	-0.1509752	0.017	0.13	0.00900878
Gm20554	1.33E-08	-0.1571537	0.013	0.13	0.00024443
Hbq1a	3.57E-08	-0.1682819	0.019	0.148	0.00065641
Sstr2	2.47E-16	-0.1716742	0.003	0.13	4.55E-12
Klb	4.74E-08	-0.1785502	0.014	0.13	0.00087353
Ace2	2.71E-09	-0.1826781	0.012	0.13	4.98E-05
Igfbp2	4.47E-09	-0.199127	0.038	0.222	8.23E-05
Galnt13	2.23E-21	-0.1993088	0	0.13	4.10E-17
Mospd1	4.42E-08	-0.2016339	0.014	0.13	0.00081347
Ptprk	6.66E-08	-0.2141171	0.038	0.204	0.00122622
Nudt11	1.64E-06	-0.2241041	0.046	0.204	0.03026484
Edn3	5.10E-07	-0.2262576	0.023	0.148	0.00938376
Mpp1	3.45E-07	-0.2301112	0.035	0.185	0.00635098
Tspan12	9.49E-12	-0.2323665	0.023	0.204	1.75E-07
H2-T23	3.74E-06	-0.2398171	0.049	0.204	0.06882596
Mboat4	4.00E-11	-0.2426056	0.016	0.167	7.36E-07
Acot1	5.34E-06	-0.253033	0.094	0.296	0.09836462
Slc25a33	1.41E-06	-0.263896	0.032	0.167	0.02594331

Ndst4	2.26E-12	-0.2646319	0.017	0.185	4.17E-08
Amer1	2.94E-07	-0.2664201	0.057	0.241	0.0054219
Azin2	2.29E-06	-0.2695727	0.072	0.259	0.04216241
Efnb1	9.17E-07	-0.2754175	0.07	0.259	0.01689125
Drc1	1.63E-09	-0.2801748	0.02	0.167	3.01E-05
Wfdc15b	7.64E-09	-0.2832476	0.028	0.185	0.00014063
Lynx1	3.21E-17	-0.2832476	0.004	0.148	5.92E-13
Bcl11a	3.11E-07	-0.2880938	0.074	0.278	0.00571915
Cer1	6.62E-10	-0.2904431	0.014	0.148	1.22E-05
Ppp1r14a	2.58E-11	-0.2925056	0.012	0.148	4.75E-07
P3h4	3.76E-07	-0.3041683	0.216	0.537	0.00692039
Apom	4.34E-12	-0.3049427	0.004	0.111	7.99E-08
Cited1	3.69E-11	-0.305647	0.016	0.167	6.80E-07
Ube2l6	4.43E-09	-0.3141086	0.059	0.278	8.15E-05
Cbfa2t2	1.82E-06	-0.3153088	0.155	0.407	0.03349785
Celf2	1.71E-06	-0.3211343	0.141	0.389	0.03141402
Ppp1r14c	9.58E-09	-0.3230486	0.035	0.204	0.00017639
Fam43a	7.47E-07	-0.3350213	0.117	0.352	0.01375771
Irx2	3.83E-19	-0.3390747	0.01	0.204	7.05E-15
Ccdc34	4.88E-07	-0.3441559	0.232	0.556	0.00899225
Cdc42ep3	9.38E-16	-0.3474672	0.019	0.222	1.73E-11
Pou6f2	7.48E-22	-0.3494613	0.003	0.167	1.38E-17
Litaf	5.34E-07	-0.3497949	0.075	0.278	0.00982884
Nxph1	4.74E-27	-0.3515476	0.001	0.185	8.72E-23
Bcl2l1	1.51E-06	-0.3554192	0.155	0.407	0.02778832
Syne1	4.96E-08	-0.3689037	0.087	0.315	0.00091371
Igsf21	1.90E-19	-0.3699849	0.016	0.241	3.51E-15
Gm609	1.96E-20	-0.3741011	0.014	0.241	3.60E-16
Plk2	1.29E-06	-0.3746707	0.072	0.259	0.0237565
Col9a3	1.71E-15	-0.3799236	0.019	0.222	3.15E-11
Tox	1.82E-06	-0.3807306	0.196	0.463	0.03350525
Plscr3	3.98E-07	-0.3817799	0.222	0.519	0.00732433
Tekt2	2.17E-06	-0.3878036	0.278	0.574	0.03993357
Muc1	3.46E-11	-0.3926311	0.048	0.278	6.37E-07
Cdc25b	3.50E-07	-0.3935297	0.077	0.278	0.00644689
Wsb1	1.85E-09	-0.3960156	0.067	0.296	3.42E-05
Gypa	7.65E-07	-0.3968178	0.036	0.185	0.01408311
Jup	2.68E-07	-0.4009928	0.274	0.611	0.00493293
Cbfb	2.74E-06	-0.4036776	0.216	0.481	0.0504696
St3gal6	8.36E-10	-0.4050361	0.106	0.389	1.54E-05
Tcp11	1.15E-06	-0.408999	0.172	0.426	0.02113834
Setd8	9.56E-08	-0.4184072	0.132	0.389	0.00176096
Serping1	7.70E-08	-0.4196201	0.126	0.389	0.0014184
Arg1	5.37E-10	-0.421494	0.019	0.167	9.89E-06

Miat	1.02E-08	-0.4246035	0.035	0.204	0.00018864
Rnf146	1.13E-06	-0.4284542	0.246	0.537	0.02087876
Tmed1	4.49E-06	-0.432008	0.174	0.407	0.082632
Ppp3ca	2.77E-06	-0.4432023	0.31	0.593	0.05091119
Serpine2	4.97E-09	-0.4459103	0.162	0.481	9.15E-05
Eef2	1.62E-06	-0.4617499	0.997	0.963	0.02985169
Cyba	5.34E-07	-0.4669784	0.136	0.389	0.0098271
Npc2	2.21E-07	-0.4857405	0.823	0.926	0.00406021
Irx1	4.44E-33	-0.4888643	0.003	0.241	8.18E-29
Fth1	2.57E-06	-0.4956086	0.999	1	0.04727794
Akap17b	6.59E-09	-0.4981162	0.109	0.37	0.00012141
Ccndbp1	1.78E-08	-0.50564	0.317	0.648	0.00032765
Dpp4	1.39E-09	-0.5096035	0.052	0.259	2.55E-05
Blvrb	1.56E-06	-0.5199597	0.125	0.352	0.02875606
Tshz2	4.55E-06	-0.520988	0.536	0.815	0.08381693
Dpysl4	2.63E-18	-0.5260752	0.014	0.222	4.84E-14
Sms	3.90E-08	-0.5334322	0.228	0.537	0.00071713
App	1.47E-06	-0.5369115	0.638	0.852	0.02703956
Cystm1	3.62E-07	-0.5389514	0.91	0.963	0.00665928
Fam210b	1.15E-06	-0.5594977	0.164	0.407	0.02120667
Gria2	6.11E-18	-0.5627644	0.036	0.315	1.13E-13
Marcks	2.49E-06	-0.5639643	0.42	0.685	0.04587927
Trf	7.91E-12	-0.5823276	0.039	0.259	1.46E-07
Arx	1.15E-26	-0.5860338	0.01	0.259	2.11E-22
Gltscr2	1.01E-07	-0.5870801	0.642	0.852	0.00186102
Gm43861	9.12E-15	-0.5881022	0.097	0.444	1.68E-10
Nefm	7.17E-09	-0.5917967	0.08	0.315	0.00013205
Slc48a1	8.25E-11	-0.5977276	0.332	0.722	1.52E-06
Casp6	2.37E-10	-0.5997622	0.148	0.463	4.37E-06
Sgce	1.33E-27	-0.6002769	0.025	0.352	2.46E-23
Rpl18a	7.47E-10	-0.6072102	1	1	1.38E-05
Rpl9	7.97E-09	-0.6121415	1	1	0.00014666
Hsp90ab1	1.34E-08	-0.6139207	1	0.981	0.00024651
Prox1	3.74E-09	-0.6315579	0.291	0.63	6.88E-05
Ly6e	2.54E-06	-0.6426332	0.517	0.741	0.04667658
Alcam	3.06E-08	-0.6705644	0.201	0.5	0.0005635
Pbx1	3.00E-09	-0.6795781	0.419	0.759	5.52E-05
Lpar6	6.13E-15	-0.6963781	0.091	0.426	1.13E-10
Hspa8	1.17E-09	-0.7089191	1	1	2.16E-05
Ctxn2	2.75E-30	-0.7100373	0.017	0.333	5.07E-26
Pax4	2.02E-18	-0.7717149	0.026	0.278	3.72E-14
Mid1ip1	1.78E-08	-0.7762771	0.63	0.889	0.0003278
Marcksl1	9.46E-07	-0.7850325	0.645	0.852	0.01741458
Auts2	3.19E-13	-0.7935713	0.191	0.574	5.87E-09

Neurod2	1.36E-38	-0.8149681	0	0.241	2.51E-34
Cck	5.12E-12	-0.8345886	0.052	0.296	9.43E-08
Slc25a37	1.11E-20	-0.8664034	0.103	0.537	2.05E-16
Mar-02	1.18E-15	-0.8682101	0.252	0.685	2.17E-11
Ctsz	2.37E-07	-0.8732457	0.425	0.685	0.00436659
Bnip3l	3.10E-11	-0.8749993	0.652	0.87	5.71E-07
Pou3f4	1.72E-29	-0.8861568	0.033	0.407	3.17E-25
Glud1	5.15E-10	-0.886751	0.523	0.778	9.48E-06
Cldn6	6.55E-09	-0.9455972	0.481	0.759	0.00012064
Slc25a5	4.91E-08	-0.9474792	0.99	0.981	0.00090329
Fam220a	2.63E-13	-1.0164661	0.448	0.796	4.85E-09
Hn1	2.27E-07	-1.0232271	0.619	0.926	0.00417202
Pgrmc1	4.20E-11	-1.0655116	0.565	0.815	7.73E-07
Runx1t1	2.44E-11	-1.1170142	0.209	0.556	4.49E-07
Etv1	9.81E-23	-1.1344684	0.062	0.444	1.81E-18
Smarca1	3.30E-09	-1.2169585	0.229	0.537	6.08E-05
Peg10	2.24E-27	-1.3256614	0.033	0.389	4.13E-23
Snca	2.57E-22	-1.4111494	0.061	0.444	4.73E-18
Fech	2.51E-29	-1.5516169	0.155	0.741	4.62E-25
Cd24a	4.73E-09	-1.6202088	0.312	0.611	8.71E-05
Mdk	8.35E-08	-1.6568836	0.13	0.37	0.00153698
Mkrn1	6.04E-14	-1.7601903	0.528	0.833	1.11E-09
Cdkn1a	1.28E-13	-1.957444	0.159	0.537	2.37E-09
Alas2	2.37E-48	-2.6731505	0.101	0.815	4.36E-44
Hba-a2	3.03E-29	-2.8079657	0.517	0.963	5.57E-25
Neurog3	5.61E-21	-3.5590884	0.03	0.315	1.03E-16
Hbb-bt	6.41E-27	-3.5743731	0.916	1	1.18E-22
Hbb-bs	2.04E-25	-3.6729115	1	1	3.75E-21
Hba-a1	5.95E-27	-3.8048485	1	1	1.10E-22
Ghrl	4.58E-07	-6.0877854	0.196	0.444	0.00843844
Gcg	1.70E-06	-7.3723647	0.329	0.519	0.03134401