

	p_val	avg_log2FC	pct.1	pct.2	p_val_adj
Sod1	9.01E-39	-1.2334057	0.617	1	2.45E-34
Plp1	3.71E-17	0.6765384	0.957	0.703	1.01E-12
Snhg11	8.07E-13	0.56154659	0.904	0.595	2.19E-08
Stmn1	1.80E-11	-0.7938541	0.139	0.541	4.88E-07
Jarid2	2.33E-10	0.69552836	0.67	0.306	6.33E-06
Mbp	8.19E-10	0.41770358	0.983	0.784	2.23E-05
Ftl1	2.05E-09	0.6605076	0.33	0.027	5.58E-05
Cldn11	5.41E-09	0.67660997	0.53	0.207	0.00014701
1110008P14F	7.83E-09	0.56372524	0.722	0.414	0.00021268
Filip1l	5.07E-08	0.26389079	0.93	0.856	0.00137702
Mobp	1.54E-07	0.45193621	0.826	0.613	0.00419162
Cnp	2.01E-07	0.58484869	0.583	0.243	0.00545492
Scg5	3.44E-07	0.43403778	0.809	0.577	0.00935416
Gm2000	3.58E-07	-0.4046039	0.53	0.757	0.00972755
Rabgef1	5.94E-07	-0.5356146	0.122	0.414	0.01613644
Mag	2.27E-06	0.59497318	0.504	0.234	0.06175448
Rps24	2.43E-06	-0.2734582	0.835	0.973	0.06593609
Bsg	3.09E-06	0.36527112	0.852	0.667	0.08402994
Gsn	4.15E-06	0.47955725	0.235	0.027	0.1127626
Rpl3	1.16E-05	-0.2927056	0.73	0.883	0.31615721
Mal	1.35E-05	0.55583938	0.496	0.27	0.3679822
Pex14	1.50E-05	0.34558041	0.157	0	0.40881721
Pld3	1.52E-05	0.47344679	0.574	0.351	0.41216534
Gm21988	1.68E-05	0.36560516	0.765	0.586	0.45604172
Rpl37	1.81E-05	-0.2785756	0.817	0.991	0.4906171
Rps8	2.00E-05	-0.287232	0.748	0.91	0.54289789
Rps6	2.76E-05	-0.4339097	0.217	0.486	0.74956064
Slc22a17	3.19E-05	0.37324863	0.661	0.459	0.86829539
Tubb4a	3.27E-05	0.45807003	0.461	0.216	0.88940147
Stmn4	3.37E-05	0.40449772	0.635	0.396	0.91656111
Syt11	4.18E-05	0.2887885	0.817	0.712	1
Rpl36a	4.32E-05	-0.3291905	0.6	0.784	1
Kndc1	4.63E-05	0.47928033	0.322	0.108	1
Dennd6b	4.79E-05	0.38270536	0.217	0.036	1
Npy	8.26E-05	0.50989323	0.435	0.198	1
Tspan2	9.63E-05	0.4556309	0.339	0.135	1
Plip	9.83E-05	0.40945917	0.278	0.081	1
Ppp1r14a	0.00014587	0.3872708	0.243	0.063	1
Snrpd1	0.0001816	-0.3917725	0.148	0.369	1
Pttg1	0.00021348	0.28472017	0.139	0.009	1
Sema4d	0.000225	0.2811737	0.139	0.009	1
Atp5d	0.00023859	0.32724444	0.687	0.523	1
Cnbp	0.00024279	-0.4017668	0.322	0.559	1
Mog	0.00026158	0.4275461	0.287	0.108	1
Ppp3ca	0.00027876	-0.3301217	0.617	0.802	1
Trf	0.00028053	0.41656642	0.374	0.153	1
Ptma	0.00028294	-0.372612	0.374	0.604	1
Cdk5	0.00029842	0.38003098	0.391	0.189	1
Rpl35	0.00030761	-0.3689734	0.391	0.631	1
Cirbp	0.00030802	-0.2740072	0.026	0.171	1

Klhl9	0.00033954	-0.3514075	0.078	0.261	1
Rpl9-ps6	0.00036052	-0.3496666	0.426	0.676	1
Mapk1	0.00038368	-0.3853476	0.304	0.532	1
Rps4x	0.00040151	-0.3703286	0.339	0.568	1
Ugt8a	0.00044436	0.36670401	0.226	0.063	1
Gm36264	0.00050476	-0.3211076	0.13	0.324	1
Ttr	0.0005844	0.2870678	0.783	0.649	1
Pfdn5	0.000638	-0.3256035	0.496	0.694	1
Rtraf	0.00064345	-0.3476072	0.139	0.342	1
Rps7	0.00066293	-0.2752804	0.661	0.82	1
Atp1a3	0.00066839	0.28055609	0.809	0.64	1
Rpl14	0.00066888	-0.283437	0.626	0.739	1
Vamp2	0.00071753	0.26250514	0.774	0.631	1
Rpl8	0.00075982	-0.2888359	0.652	0.82	1
Rps18	0.00078177	-0.3130499	0.565	0.766	1
Dgke	0.00078393	-0.2828433	0.026	0.153	1
Polr2m	0.00078857	-0.3757271	0.165	0.36	1
Rpl29	0.00081222	0.36044837	0.417	0.216	1
Arhgap20	0.00082334	-0.3287119	0.043	0.18	1
Abcb7	0.00092339	0.37086968	0.243	0.09	1
Pja2	0.00097453	-0.3302313	0.409	0.613	1
Ptgds	0.00098298	0.25571094	0.809	0.739	1
CT025619.1	0.00110116	0.25160398	0.113	0.009	1
Aplp1	0.00113368	0.27438145	0.722	0.577	1
Map4	0.00134573	0.31929607	0.591	0.45	1
Nrgn	0.00161545	0.28800571	0.852	0.694	1
Rps15a	0.00168747	-0.2844999	0.6	0.802	1
Ndufb8	0.00168747	-0.2560344	0.687	0.829	1
Calr	0.00169788	0.31138134	0.522	0.333	1
Dnaja1	0.00176344	-0.3182893	0.357	0.559	1
Pde10a	0.00177926	-0.3537401	0.183	0.369	1
Ckmt1	0.00184105	0.38065423	0.443	0.27	1
Egln2	0.00184129	0.33064771	0.313	0.144	1
Ednrb	0.00186325	-0.2684299	0.035	0.153	1
Enpp2	0.00209144	0.36508028	0.487	0.297	1
Fa2h	0.00212623	0.290362	0.174	0.045	1
Commd1	0.00214663	-0.2892639	0.096	0.252	1
Mrps14	0.00216307	-0.3099865	0.191	0.396	1
Kcnj9	0.00223929	0.26397601	0.157	0.036	1
Msantd4	0.00224613	-0.3207539	0.087	0.234	1
Fbxo2	0.00240145	0.34333123	0.27	0.117	1
Nrxn2	0.002508	0.32164461	0.478	0.288	1
Cck	0.00252788	0.30685409	0.678	0.568	1
Hnrnpc	0.0026072	-0.3108213	0.174	0.36	1
Meis2	0.00262777	-0.2749787	0.061	0.198	1
Ppp2r2a	0.00264828	-0.2735683	0.043	0.162	1
Slc35f1	0.00267806	0.28981436	0.2	0.063	1
Saraf	0.00271376	-0.3141304	0.304	0.505	1
Hdac11	0.0028149	0.32669775	0.583	0.405	1
Id4	0.00282137	-0.2851438	0.122	0.297	1
Map1a	0.00282495	0.30883278	0.583	0.405	1

Ssu72	0.0029275	-0.3153516	0.261	0.45	1
Hbb-bs	0.00294837	-0.2991235	0.235	0.45	1
Rpl27	0.0029568	-0.250083	0.583	0.721	1
Ttc17	0.00296874	-0.2647538	0.043	0.162	1
Dnajc5	0.00315081	0.3468346	0.443	0.261	1
Snx3	0.00332961	-0.3070164	0.191	0.378	1
Vmp1	0.00335642	-0.296693	0.365	0.622	1
H2afj	0.00379669	0.32295956	0.461	0.324	1
Eci2	0.00381113	-0.2559213	0.043	0.162	1
Impact	0.00385379	-0.2936713	0.435	0.64	1
Gbf1	0.00403515	0.30966627	0.2	0.072	1
Rrm2b	0.00408387	-0.3096849	0.235	0.387	1
Fam92a	0.00409013	-0.3406628	0.113	0.252	1
Adnp	0.00412322	-0.2992985	0.122	0.279	1
Gcsh	0.00423207	-0.3015723	0.13	0.288	1
Cacnb3	0.00434901	0.35529521	0.348	0.198	1
Gm11808	0.00450655	-0.2767104	0.104	0.252	1
Matr3	0.00456264	-0.3052624	0.357	0.55	1
Ttyh1	0.0045776	0.28937032	0.591	0.432	1
B4galt2	0.00465967	0.29544259	0.209	0.081	1
Ctnna1	0.00472287	-0.259082	0.052	0.171	1
Sipa1l1	0.00476258	-0.2675035	0.104	0.261	1
Adora1	0.00480648	0.30033743	0.209	0.081	1
Nbea	0.00491394	-0.280037	0.104	0.243	1
Slc10a4	0.00497103	-0.2830681	0.087	0.225	1
Eno2	0.00513916	0.2724006	0.557	0.459	1
Cd9	0.00519234	0.27663549	0.183	0.063	1
Atp5f1	0.00539025	-0.2641467	0.6	0.811	1
D130009I18R	0.00542227	0.30306835	0.261	0.126	1
Ndufv2	0.00545097	-0.2752261	0.409	0.586	1
Pdlim2	0.00547505	0.28050563	0.226	0.09	1
St13	0.0056186	-0.282915	0.217	0.414	1
Epas1	0.00566886	0.28739587	0.296	0.144	1
Nalcn	0.00571584	0.31853877	0.217	0.09	1
1110004F10R	0.0058814	-0.3114983	0.165	0.324	1
Pde1b	0.00590267	-0.2980736	0.157	0.306	1
Naa38	0.00595124	-0.3004791	0.322	0.505	1
Josd2	0.00595693	0.29314286	0.209	0.081	1
Slc25a23	0.00611532	-0.2535254	0.104	0.243	1
Dapk1	0.00654834	-0.271167	0.139	0.288	1
Cacybp	0.00656688	-0.2926661	0.296	0.477	1
Orc5	0.00668469	-0.2650946	0.278	0.45	1
Syp	0.00669026	0.29922626	0.504	0.36	1
Fam174a	0.00671838	-0.292369	0.165	0.315	1
Atp1a2	0.00693969	0.25423813	0.713	0.586	1
Prkaca	0.00746338	0.30471153	0.357	0.216	1
Rnf220	0.00759318	-0.3058357	0.183	0.333	1
Nrep	0.00761035	0.26852974	0.226	0.099	1
Vtn	0.00784038	0.29340387	0.148	0.045	1
Kcnab1	0.00789848	-0.2847736	0.139	0.288	1
Rapgef4	0.00802797	-0.2910677	0.148	0.288	1

Ndufb4	0.00802979	-0.2800459	0.365	0.55	1
Fabp3	0.00809039	0.30845177	0.4	0.252	1
Tnrc6c	0.00810847	-0.2542437	0.07	0.189	1
Hmgcs1	0.00839622	0.29883247	0.452	0.297	1
Map7d2	0.00849863	-0.2792722	0.209	0.387	1
Faim2	0.00868999	0.29744238	0.443	0.306	1
Cap1	0.00875619	0.26141766	0.217	0.09	1
Gng2	0.00894964	-0.2649394	0.174	0.342	1
Blcap	0.00898888	-0.2576891	0.13	0.279	1
Add1	0.00900729	-0.2640691	0.13	0.27	1
Nptx1	0.0091584	-0.2523139	0.087	0.216	1
Tmem240	0.00919363	0.25734203	0.174	0.063	1
Srcin1	0.00933986	0.26415189	0.235	0.108	1
Plekhb2	0.00948457	-0.2642178	0.2	0.351	1
Bex3	0.00954995	0.26771949	0.591	0.441	1
Coa3	0.0096652	-0.2934708	0.261	0.423	1
Polr2c	0.00994186	-0.2701025	0.087	0.207	1
Sod1	0	-1.3468435	0.507	0.999	0
Bc1	5.19E-238	-0.2540932	0.987	0.999	1.41E-233
Ftl1	1.06E-135	0.79222365	0.387	0.028	2.89E-131
Stmn1	1.54E-100	-0.6878999	0.119	0.436	4.19E-96
Jarid2	5.11E-99	0.64602339	0.679	0.331	1.39E-94
Plp1	8.22E-98	0.47577728	0.919	0.721	2.23E-93
Hspa8	1.12E-96	0.33912397	0.93	0.772	3.05E-92
Snhg11	3.05E-76	0.45143019	0.786	0.519	8.29E-72
Rpl37	6.46E-74	-0.2508047	0.853	0.935	1.76E-69
Mag	6.56E-68	0.56904109	0.558	0.259	1.78E-63
Mal	7.66E-52	0.50291554	0.525	0.274	2.08E-47
Gm21988	3.17E-50	0.39519926	0.688	0.453	8.62E-46
Cldn11	8.29E-45	0.4656479	0.441	0.219	2.25E-40
Gm2000	1.38E-43	-0.3256526	0.52	0.699	3.75E-39
Rps19	4.20E-41	-0.2936769	0.634	0.779	1.14E-36
1110008P14F	5.85E-40	0.39223286	0.609	0.387	1.59E-35
D130009I18R	1.55E-39	0.41282251	0.309	0.12	4.22E-35
Tubb2a	1.72E-39	0.31041196	0.786	0.6	4.67E-35
Mog	2.04E-39	0.39373448	0.244	0.075	5.54E-35
Abcb7	5.62E-39	0.37315744	0.233	0.068	1.53E-34
Rabgef1	4.99E-38	-0.3789414	0.12	0.297	1.36E-33
Rpl14	8.15E-38	-0.2958267	0.591	0.72	2.21E-33
Cnp	2.73E-35	0.40326514	0.491	0.285	7.42E-31
Ptms	9.62E-33	0.28254135	0.758	0.598	2.61E-28
Rpl26	1.33E-32	-0.3000049	0.523	0.673	3.61E-28
Scg5	8.97E-32	0.32646945	0.638	0.452	2.44E-27
Rpl29	2.44E-31	0.34355826	0.408	0.21	6.63E-27
Gp1bb	1.26E-30	0.31305603	0.666	0.485	3.43E-26
Rpl34	1.30E-30	-0.3017908	0.49	0.647	3.54E-26
Bsg	1.90E-30	0.27928585	0.788	0.611	5.15E-26
Pdlim2	4.48E-30	0.33418352	0.23	0.08	1.22E-25
H2afj	1.44E-29	0.33895587	0.508	0.31	3.91E-25
Gamt	9.29E-29	0.30350854	0.188	0.057	2.52E-24
Npy	1.64E-27	0.36250332	0.411	0.231	4.46E-23

Enpp2	3.21E-27	0.34806212	0.492	0.299	8.72E-23
Cd81	9.09E-27	0.26249518	0.745	0.591	2.47E-22
Ap2s1	2.63E-26	0.30273392	0.588	0.394	7.14E-22
Lamp1	2.73E-26	0.29226792	0.645	0.47	7.42E-22
Ugt8a	3.62E-26	0.30572155	0.213	0.079	9.85E-22
Syt11	1.01E-25	0.25034392	0.736	0.599	2.75E-21
Atp5d	1.28E-25	0.28624086	0.652	0.474	3.47E-21
Hbb-bs	1.98E-25	-0.35543	0.303	0.474	5.39E-21
Arpc4	1.23E-24	0.32294026	0.399	0.234	3.34E-20
Meg3	3.31E-24	0.26611565	0.698	0.527	8.99E-20
Rpl35	1.09E-23	-0.2657412	0.459	0.605	2.96E-19
Csf1r	1.10E-23	0.3300715	0.419	0.257	2.99E-19
Fkbp1a	1.99E-23	0.26499241	0.692	0.521	5.40E-19
Cck	3.48E-23	0.2501741	0.745	0.607	9.46E-19
Sirt2	9.33E-23	0.29815914	0.351	0.191	2.54E-18
Gsn	1.27E-22	0.2857615	0.213	0.088	3.45E-18
Hba-a1	3.37E-22	-0.3445473	0.18	0.325	9.16E-18
Cap1	1.51E-21	0.25447939	0.167	0.06	4.11E-17
Fscn1	2.63E-21	0.27871293	0.293	0.152	7.15E-17
Pld3	4.84E-21	0.29125965	0.488	0.33	1.32E-16
Grb14	5.79E-20	0.28022569	0.23	0.109	1.57E-15
Hdac11	9.91E-20	0.27821629	0.469	0.307	2.69E-15
Gm10260	1.75E-19	0.26389707	0.35	0.204	4.76E-15
Cdk5r2	2.72E-19	0.26975967	0.418	0.27	7.39E-15
Lingo1	2.90E-19	0.2823375	0.462	0.314	7.87E-15
Josd2	2.96E-19	0.25109474	0.219	0.101	8.03E-15
Ttc9b	4.39E-19	0.27778255	0.47	0.323	1.19E-14
Edf1	1.18E-18	0.2560098	0.552	0.404	3.21E-14
Syp	1.26E-18	0.26348468	0.395	0.247	3.42E-14
Kctd17	5.48E-18	0.26048159	0.468	0.324	1.49E-13
Atox1	5.86E-18	0.25966794	0.481	0.336	1.59E-13
Dbp	9.47E-18	0.26892105	0.363	0.225	2.57E-13
Kcnj10	4.49E-16	0.26244861	0.336	0.21	1.22E-11
Sst	1.30E-15	0.26054484	0.549	0.409	3.53E-11
Ftl1	0	0.65230091	0.326	0.018	0
Plp1	0	0.52661092	0.919	0.647	0
Hspa8	0	0.32251737	0.973	0.842	0
Stmn1	0	-0.8477606	0.157	0.594	0
Sod1	0	-1.3411964	0.541	1	0
Jarid2	1.21E-307	0.60998326	0.679	0.331	3.30E-303
Snhg11	1.86E-285	0.41217452	0.884	0.654	5.05E-281
1110008P14F	1.70E-254	0.47359915	0.801	0.535	4.62E-250
Scg5	5.97E-245	0.42255453	0.838	0.595	1.62E-240
Gm21988	2.11E-193	0.40412785	0.783	0.531	5.74E-189
Mag	2.57E-183	0.50621431	0.479	0.199	7.00E-179
Abcb7	1.17E-153	0.40568338	0.279	0.08	3.18E-149
Cck	2.19E-150	0.26613416	0.907	0.785	5.95E-146
Gp1bb	1.94E-148	0.31663246	0.816	0.633	5.27E-144
Rabgef1	1.82E-139	-0.4248116	0.15	0.36	4.94E-135
Ptms	3.53E-137	0.29127585	0.847	0.684	9.60E-133
D130009I18R	3.20E-135	0.37652087	0.295	0.104	8.71E-131

Tubb2a	5.00E-133	0.27647756	0.874	0.71	1.36E-128
Rpl26	5.24E-130	-0.3488514	0.511	0.685	1.42E-125
Gm2000	6.02E-130	-0.310967	0.546	0.705	1.64E-125
Rps7	7.38E-122	-0.2879751	0.624	0.76	2.01E-117
Cldn11	2.33E-117	0.38209167	0.357	0.155	6.34E-113
Syp	9.07E-116	0.36911784	0.588	0.36	2.46E-111
Pld3	2.44E-112	0.36465883	0.603	0.395	6.62E-108
Lingo1	1.14E-109	0.32876961	0.694	0.504	3.09E-105
Rps19	8.02E-106	-0.2618851	0.649	0.771	2.18E-101
Cdk5r2	4.93E-100	0.33981612	0.566	0.367	1.34E-95
Mal	7.37E-100	0.37125081	0.392	0.193	2.00E-95
Rpl14	1.84E-99	-0.2644502	0.606	0.727	5.00E-95
Cnp	2.10E-99	0.35400058	0.405	0.206	5.72E-95
Rpl29	1.45E-98	0.34633721	0.413	0.211	3.94E-94
Fkbp1a	5.41E-98	0.27090242	0.805	0.623	1.47E-93
Npy	7.96E-96	0.36543767	0.48	0.28	2.16E-91
Bsg	1.28E-91	0.25651328	0.81	0.642	3.49E-87
Ttc9b	1.03E-90	0.30758574	0.659	0.47	2.79E-86
Stmn4	9.08E-86	0.28845049	0.658	0.482	2.47E-81
Prkar1b	1.26E-85	0.28476301	0.722	0.55	3.42E-81
Rgs4	5.96E-84	0.32224218	0.469	0.281	1.62E-79
Snap47	4.36E-83	0.28854239	0.658	0.477	1.18E-78
Atp5d	1.51E-81	0.27540381	0.735	0.556	4.09E-77
Rpl34	8.53E-81	-0.2629856	0.533	0.658	2.32E-76
Fxyd7	5.80E-80	0.31348596	0.441	0.258	1.58E-75
Dctn2	2.46E-78	0.28323538	0.62	0.447	6.68E-74
Cap1	7.96E-75	0.28444765	0.205	0.075	2.16E-70
Arpc4	3.09E-72	0.30433167	0.448	0.276	8.40E-68
Atp5g1	1.18E-71	0.26439705	0.656	0.493	3.20E-67
Fscn1	4.28E-71	0.30371827	0.35	0.185	1.16E-66
Ap2s1	3.12E-69	0.26963425	0.667	0.491	8.47E-65
Kctd17	2.42E-66	0.27702826	0.568	0.396	6.58E-62
Nrep	1.15E-64	0.27096127	0.235	0.107	3.13E-60
Ckmt1	1.67E-64	0.27703905	0.466	0.303	4.55E-60
Rpl35	1.97E-63	-0.25295	0.463	0.595	5.35E-59
Mobp	2.19E-63	0.2635542	0.714	0.541	5.95E-59
Enpp2	1.15E-62	0.27789655	0.448	0.282	3.13E-58
H2afj	7.53E-62	0.2732331	0.536	0.361	2.05E-57
Mllt11	3.02E-61	0.25637876	0.536	0.379	8.20E-57
Lamp1	1.30E-60	0.2591053	0.595	0.43	3.54E-56
Atox1	1.30E-60	0.26874853	0.526	0.36	3.55E-56
C1qtnf4	6.65E-60	0.26056813	0.524	0.365	1.81E-55
Miat	2.13E-58	0.2657523	0.292	0.154	5.78E-54
Lin7b	3.94E-56	0.26021842	0.361	0.215	1.07E-51
Higd2a	4.39E-54	0.2517896	0.459	0.303	1.19E-49
Vcp	1.69E-53	-0.2645278	0.235	0.357	4.59E-49
Ptpn	1.80E-53	0.25245294	0.396	0.257	4.88E-49
Tyro3	6.96E-52	0.26305118	0.299	0.168	1.89E-47
Synpo	1.21E-51	0.25310254	0.326	0.192	3.29E-47
Cacnb3	1.04E-50	0.25628944	0.363	0.22	2.83E-46
Hba-a1	2.87E-45	-0.2501821	0.183	0.296	7.80E-41

Ftl1	0	0.78945319	0.359	0.019	0
Plp1	0	0.54727203	0.927	0.712	0
Bc1	0	-0.2587179	0.99	0.999	0
Sod1	0	-1.3118072	0.492	0.999	0
Stmn1	7.71E-256	-0.6978125	0.086	0.416	2.10E-251
Jarid2	4.66E-229	0.59015949	0.687	0.387	1.27E-224
Hspa8	4.97E-226	0.34052633	0.909	0.744	1.35E-221
Mag	3.11E-185	0.58390861	0.545	0.255	8.46E-181
Mal	1.35E-153	0.55002573	0.513	0.262	3.67E-149
Cldn11	2.48E-153	0.52592017	0.474	0.22	6.73E-149
Cnp	8.16E-127	0.46832651	0.524	0.286	2.22E-122
Abcb7	9.17E-122	0.40486505	0.239	0.061	2.49E-117
Snhg11	8.60E-118	0.37204343	0.705	0.497	2.34E-113
Mbp	3.19E-114	0.27403942	0.892	0.809	8.68E-110
D130009I18R	1.14E-110	0.43504338	0.331	0.138	3.09E-106
Mog	3.32E-106	0.38144561	0.231	0.07	9.01E-102
Enpp2	3.17E-102	0.43510527	0.491	0.282	8.61E-98
Rabgef1	1.06E-97	-0.3899833	0.108	0.29	2.88E-93
Mobp	1.29E-94	0.33109278	0.748	0.596	3.50E-90
Ugt8a	2.12E-94	0.36935378	0.222	0.069	5.77E-90
Gm21988	3.30E-89	0.3467549	0.614	0.421	8.97E-85
Gamt	1.55E-82	0.32937761	0.198	0.062	4.20E-78
1110008P14F	6.98E-82	0.37172223	0.536	0.335	1.90E-77
Pdlim2	8.24E-81	0.34317435	0.224	0.08	2.24E-76
Cd81	3.04E-79	0.28053343	0.737	0.597	8.27E-75
Gsn	3.50E-79	0.33710017	0.22	0.078	9.50E-75
Rpl29	3.75E-77	0.34247133	0.379	0.201	1.02E-72
Grb14	7.90E-77	0.34967381	0.242	0.094	2.15E-72
Tspan2	9.32E-76	0.34073295	0.282	0.128	2.53E-71
Gm2000	1.07E-70	-0.2758249	0.502	0.653	2.90E-66
Tubb2a	1.17E-69	0.26192441	0.749	0.606	3.18E-65
Bsg	1.71E-68	0.25874523	0.75	0.608	4.65E-64
Ttr	6.91E-68	0.28782451	0.773	0.641	1.88E-63
Rps7	3.60E-65	-0.2616247	0.569	0.704	9.78E-61
Rpl34	1.17E-62	-0.2725452	0.474	0.617	3.18E-58
Rpl26	9.55E-61	-0.271199	0.501	0.647	2.60E-56
Lamp1	1.48E-60	0.27685272	0.625	0.47	4.01E-56
Sirt2	1.57E-57	0.31611044	0.349	0.197	4.27E-53
Gm10260	5.52E-56	0.28862116	0.336	0.192	1.50E-51
Hba-a1	1.65E-55	-0.3539773	0.185	0.334	4.49E-51
Scg5	1.00E-53	0.27548327	0.577	0.429	2.73E-49
Josd2	2.01E-53	0.25259896	0.201	0.088	5.46E-49
Opalin	2.07E-50	0.29250713	0.236	0.114	5.62E-46
Fabp7	1.59E-49	0.29852706	0.317	0.182	4.32E-45
Id3	1.64E-47	0.31118114	0.347	0.208	4.46E-43
Cmtm5	5.69E-47	0.29243836	0.354	0.22	1.55E-42
Ap2s1	7.22E-47	0.25677691	0.521	0.376	1.96E-42
Stmn4	1.94E-46	0.25605451	0.497	0.366	5.26E-42
H2afj	2.23E-46	0.26794934	0.439	0.298	6.06E-42
Il33	9.51E-46	-0.2532443	0.054	0.156	2.59E-41
Arpc4	5.92E-43	0.26046514	0.336	0.211	1.61E-38

Hbb-bs	5.48E-41	-0.2924144	0.32	0.452	1.49E-36
Pld3	1.26E-38	0.26441465	0.405	0.287	3.44E-34
Igf2	2.16E-35	0.25460753	0.172	0.081	5.88E-31
Ftl1	0	0.94115779	0.469	0.027	0
Gsn	0	0.77713098	0.531	0.14	0
Ugt8a	0	0.73322449	0.591	0.203	0
Cldn11	0	0.71705694	0.878	0.487	0
Mag	0	0.70222015	0.906	0.537	0
Jarid2	0	0.65242216	0.614	0.244	0
Mal	0	0.64705661	0.919	0.598	0
Mog	0	0.53560209	0.96	0.621	0
Cnp	0	0.49089881	0.889	0.607	0
Cd81	0	0.47784292	0.888	0.637	0
Plp1	0	0.4190357	0.999	0.961	0
Bc1	0	-0.3368131	0.985	1	0
Stmn1	0	-0.7572935	0.155	0.51	0
Sod1	0	-1.4782979	0.433	0.999	0
Rpl37	2.31E-306	-0.259665	0.895	0.953	6.27E-302
Hmgcs1	1.01E-276	0.63032857	0.549	0.205	2.74E-272
Grb14	5.56E-273	0.62414088	0.627	0.287	1.51E-268
Tspan2	3.37E-269	0.59090519	0.671	0.332	9.15E-265
Syt11	1.42E-262	0.43404018	0.844	0.596	3.85E-258
Gamt	7.65E-261	0.64578301	0.438	0.118	2.08E-256
Pdlim2	3.21E-260	0.61847052	0.572	0.234	8.72E-256
Hspa8	3.21E-257	0.38742424	0.904	0.669	8.74E-253
Sgk1	2.60E-230	-0.599055	0.074	0.323	7.07E-226
Cmtm5	1.32E-223	0.56411439	0.62	0.303	3.58E-219
Il33	3.46E-207	-0.5758919	0.065	0.303	9.42E-203
Sirt2	9.62E-198	0.51735641	0.621	0.318	2.62E-193
Enpp2	3.66E-191	0.44837072	0.789	0.524	9.96E-187
Gm21988	8.35E-178	0.45991912	0.652	0.365	2.27E-173
Fkbp1a	1.87E-173	0.41687357	0.746	0.477	5.08E-169
Opalin	5.77E-172	0.48792078	0.618	0.336	1.57E-167
Gm26917	1.02E-165	-0.2952827	0.669	0.805	2.77E-161
H2afj	9.06E-155	0.4417052	0.613	0.346	2.46E-150
Fa2h	2.16E-149	0.47136621	0.415	0.165	5.86E-145
Snhg11	7.06E-148	0.41543489	0.646	0.379	1.92E-143
Lamp1	7.54E-147	0.39094685	0.747	0.495	2.05E-142
Abcb7	1.13E-144	0.40483975	0.238	0.056	3.08E-140
Nfasc	4.41E-140	0.45738516	0.394	0.165	1.20E-135
Plip	5.56E-140	0.41618516	0.619	0.352	1.51E-135
Josd2	4.43E-135	0.42497092	0.454	0.215	1.20E-130
Fabp5	5.27E-134	0.42582273	0.562	0.311	1.43E-129
Tmem141	8.43E-131	0.413338	0.249	0.069	2.29E-126
Ptn	1.93E-130	0.380751	0.685	0.446	5.26E-126
1110008P14F	2.58E-127	0.41521801	0.492	0.249	7.01E-123
Rps19	3.36E-125	-0.254941	0.716	0.82	9.12E-121
Gm2000	9.65E-125	-0.2977601	0.567	0.701	2.62E-120
Kndc1	2.05E-123	0.41062552	0.361	0.148	5.56E-119
Lgi3	3.17E-120	0.39891919	0.423	0.199	8.60E-116
Arpc1b	7.05E-117	0.38224493	0.26	0.083	1.92E-112

Cd9	9.79E-117	0.41130853	0.397	0.188	2.66E-112
Rpl26	2.13E-113	-0.3062342	0.572	0.708	5.80E-109
Sema4d	1.43E-112	0.34714089	0.237	0.073	3.89E-108
Rpl29	3.81E-110	0.38287526	0.428	0.207	1.03E-105
Abhd17b	3.57E-106	0.35504295	0.297	0.116	9.71E-102
Tmeff2	2.42E-105	0.42083842	0.415	0.205	6.57E-101
Elovl1	1.62E-104	0.32723902	0.189	0.045	4.41E-100
Cyp51	1.71E-104	0.31852593	0.194	0.051	4.64E-100
D130009I18R	7.19E-103	0.32040715	0.23	0.078	1.96E-98
Msmo1	1.27E-99	0.33188329	0.237	0.081	3.46E-95
Taldo1	1.12E-95	0.36767903	0.528	0.31	3.06E-91
Glul	1.42E-94	-0.2572452	0.602	0.707	3.85E-90
Pfdn5	1.54E-94	-0.2895296	0.511	0.635	4.19E-90
Gatm	6.91E-90	-0.3753147	0.304	0.451	1.88E-85
Slc25a38	7.58E-89	0.2624239	0.14	0.031	2.06E-84
Gpr17	2.90E-88	0.29164198	0.148	0.033	7.88E-84
Scg5	5.40E-86	0.33700585	0.528	0.321	1.47E-81
9630013A20F	1.28E-85	0.25708617	0.113	0.016	3.49E-81
Stmn4	1.39E-85	0.31400913	0.707	0.499	3.77E-81
Cers2	3.72E-85	0.33650762	0.291	0.127	1.01E-80
Rpl34	4.03E-84	-0.2608074	0.548	0.658	1.10E-79
Pacs2	1.12E-83	0.35086996	0.435	0.238	3.05E-79
Shisa4	1.33E-83	0.32177623	0.362	0.188	3.61E-79
Nrgn	1.80E-83	0.25267135	0.825	0.645	4.90E-79
Fdps	1.27E-82	0.26100903	0.172	0.053	3.46E-78
Reep5	1.18E-81	0.3016339	0.611	0.413	3.21E-77
Rabgef1	1.46E-80	-0.3462893	0.112	0.255	3.96E-76
Sh3gl3	1.68E-79	0.33247944	0.314	0.142	4.55E-75
Ppp1r14a	4.72E-79	0.33510745	0.607	0.394	1.28E-74
Pcyt2	1.91E-78	0.29681343	0.245	0.099	5.19E-74
Tyro3	2.50E-77	0.31729114	0.266	0.119	6.79E-73
Marcksl1	5.11E-77	0.29935225	0.243	0.092	1.39E-72
Gm43738	5.29E-77	0.26768302	0.185	0.064	1.44E-72
Aplp1	2.15E-76	0.26564045	0.791	0.608	5.84E-72
Mcam	6.34E-76	0.26482088	0.167	0.049	1.72E-71
Fabp7	1.10E-74	0.31221895	0.278	0.126	2.99E-70
Rps27rt	5.08E-74	-0.2721959	0.424	0.545	1.38E-69
Gde1	7.79E-74	0.29963994	0.494	0.312	2.12E-69
Gjc2	6.39E-73	0.258129	0.185	0.068	1.74E-68
Rpl9-ps6	9.94E-73	-0.2690044	0.434	0.564	2.70E-68
Cap1	3.64E-72	0.2506013	0.163	0.053	9.89E-68
Lpar1	2.37E-71	0.29335786	0.269	0.122	6.44E-67
Phyhip1	1.87E-70	0.29766251	0.395	0.229	5.08E-66
Rps6	8.69E-70	-0.2948925	0.309	0.436	2.36E-65
Ap2s1	3.57E-69	0.31295222	0.544	0.341	9.70E-65
Phldb1	4.56E-69	0.28853635	0.313	0.161	1.24E-64
Abca2	7.42E-69	0.29813442	0.373	0.207	2.02E-64
Fcho1	8.94E-69	0.25481305	0.156	0.045	2.43E-64
Rap1a	4.88E-68	0.31220845	0.357	0.186	1.33E-63
Zdhhc9	2.12E-67	0.25066136	0.165	0.056	5.76E-63
Dhcr24	8.19E-67	0.26566749	0.171	0.054	2.23E-62

Igsf8	1.73E-66	0.30188981	0.338	0.183	4.70E-62
Map1lc3a	1.92E-66	0.2728335	0.628	0.44	5.23E-62
Higd2a	1.26E-65	0.27834286	0.345	0.192	3.42E-61
Gstp1	1.68E-65	0.27643588	0.335	0.178	4.57E-61
Dctn2	6.76E-65	0.28203851	0.482	0.313	1.84E-60
Lrrn1	3.94E-63	0.27318345	0.252	0.118	1.07E-58
Tubb2a	4.99E-63	0.26865103	0.635	0.456	1.36E-58
Atox1	3.55E-61	0.28860097	0.476	0.3	9.65E-57
Npc2	4.92E-61	0.28299252	0.321	0.17	1.34E-56
Bsg	5.58E-61	0.25863564	0.691	0.515	1.52E-56
Secisbp2l	8.66E-61	0.27077588	0.342	0.19	2.35E-56
Kcnj10	8.35E-60	0.29647237	0.421	0.252	2.27E-55
Atp5d	6.67E-59	0.25496249	0.595	0.427	1.81E-54
Agpat4	6.86E-59	0.25623524	0.215	0.096	1.87E-54
Cck	4.09E-57	0.25929952	0.604	0.421	1.11E-52
Gm10260	2.30E-56	0.27233156	0.402	0.236	6.26E-52
Fscn1	1.34E-55	0.25406456	0.276	0.141	3.64E-51
Gltp	2.06E-55	0.27033299	0.316	0.172	5.61E-51
Prr18	1.86E-53	0.25296733	0.345	0.199	5.05E-49
Slc44a1	2.56E-52	0.2686852	0.338	0.194	6.95E-48
Tmem151a	3.54E-50	0.25317647	0.349	0.213	9.63E-46
Rnd2	1.80E-48	0.26719798	0.381	0.238	4.90E-44
Rbfox1	3.58E-48	-0.2561666	0.199	0.321	9.73E-44
Cyb5a	7.97E-48	0.25759681	0.373	0.232	2.17E-43
Gstm1	1.90E-46	-0.2568452	0.254	0.362	5.15E-42
BC031181	1.24E-45	0.25759343	0.51	0.352	3.36E-41
Hba-a1	3.14E-32	-0.2566837	0.195	0.288	8.54E-28

cluster	gene	cluster_new
Normal_MN	Sod1	Normal
Normal_MN	Plp1	Normal
Normal_MN	Snhg11	Normal
Normal_MN	Stmn1	Normal
Normal_MN	Jarid2	Normal
Normal_MN	Mbp	Normal
Normal_MN	Ftl1	Normal
Normal_MN	Cldn11	Normal
Normal_MN	1110008P14F	Normal
Normal_MN	Filip1l	Normal
Normal_MN	Mobp	Normal
Normal_MN	Cnp	Normal
Normal_MN	Scg5	Normal
Normal_MN	Gm2000	Normal
Normal_MN	Rabgef1	Normal
Normal_MN	Mag	Normal
Normal_MN	Rps24	Normal
Normal_MN	Bsg	Normal
Normal_MN	Gsn	Normal
Normal_MN	Rpl3	Normal
Normal_MN	Mal	Normal
Normal_MN	Pex14	Normal
Normal_MN	Pld3	Normal
Normal_MN	Gm21988	Normal
Normal_MN	Rpl37	Normal
Normal_MN	Rps8	Normal
Normal_MN	Rps6	Normal
Normal_MN	Slc22a17	Normal
Normal_MN	Tubb4a	Normal
Normal_MN	Stmn4	Normal
Normal_MN	Syt11	Normal
Normal_MN	Rpl36a	Normal
Normal_MN	Kndc1	Normal
Normal_MN	Dennd6b	Normal
Normal_MN	Npy	Normal
Normal_MN	Tspan2	Normal
Normal_MN	Plip	Normal
Normal_MN	Ppp1r14a	Normal
Normal_MN	Snrpd1	Normal
Normal_MN	Pttg1	Normal
Normal_MN	Sema4d	Normal
Normal_MN	Atp5d	Normal
Normal_MN	Cnbp	Normal
Normal_MN	Mog	Normal
Normal_MN	Ppp3ca	Normal
Normal_MN	Trf	Normal
Normal_MN	Ptma	Normal
Normal_MN	Cdk5	Normal
Normal_MN	Rpl35	Normal
Normal_MN	Cirbp	Normal

Normal_MN	Klhl9	Normal
Normal_MN	Rpl9-ps6	Normal
Normal_MN	Mapk1	Normal
Normal_MN	Rps4x	Normal
Normal_MN	Ugt8a	Normal
Normal_MN	Gm36264	Normal
Normal_MN	Ttr	Normal
Normal_MN	Pfdn5	Normal
Normal_MN	Rtraf	Normal
Normal_MN	Rps7	Normal
Normal_MN	Atp1a3	Normal
Normal_MN	Rpl14	Normal
Normal_MN	Vamp2	Normal
Normal_MN	Rpl8	Normal
Normal_MN	Rps18	Normal
Normal_MN	Dgke	Normal
Normal_MN	Polr2m	Normal
Normal_MN	Rpl29	Normal
Normal_MN	Arhgap20	Normal
Normal_MN	Abcb7	Normal
Normal_MN	Pja2	Normal
Normal_MN	Ptgds	Normal
Normal_MN	CT025619.1	Normal
Normal_MN	Aplp1	Normal
Normal_MN	Map4	Normal
Normal_MN	Nrgn	Normal
Normal_MN	Rps15a	Normal
Normal_MN	Ndufb8	Normal
Normal_MN	Calr	Normal
Normal_MN	Dnaja1	Normal
Normal_MN	Pde10a	Normal
Normal_MN	Ckmt1	Normal
Normal_MN	Egln2	Normal
Normal_MN	Ednrb	Normal
Normal_MN	Enpp2	Normal
Normal_MN	Fa2h	Normal
Normal_MN	Commd1	Normal
Normal_MN	Mrps14	Normal
Normal_MN	Kcnj9	Normal
Normal_MN	Msantd4	Normal
Normal_MN	Fbxo2	Normal
Normal_MN	Nrxn2	Normal
Normal_MN	Cck	Normal
Normal_MN	Hnrnpc	Normal
Normal_MN	Meis2	Normal
Normal_MN	Ppp2r2a	Normal
Normal_MN	Slc35f1	Normal
Normal_MN	Saraf	Normal
Normal_MN	Hdac11	Normal
Normal_MN	Id4	Normal
Normal_MN	Map1a	Normal

Normal_MN	Ssu72	Normal
Normal_MN	Hbb-bs	Normal
Normal_MN	Rpl27	Normal
Normal_MN	Ttc17	Normal
Normal_MN	Dnajc5	Normal
Normal_MN	Snx3	Normal
Normal_MN	Vmp1	Normal
Normal_MN	H2afj	Normal
Normal_MN	Eci2	Normal
Normal_MN	Impact	Normal
Normal_MN	Gbf1	Normal
Normal_MN	Rrm2b	Normal
Normal_MN	Fam92a	Normal
Normal_MN	Adnp	Normal
Normal_MN	Gcsh	Normal
Normal_MN	Cacnb3	Normal
Normal_MN	Gm11808	Normal
Normal_MN	Matr3	Normal
Normal_MN	Ttyh1	Normal
Normal_MN	B4galt2	Normal
Normal_MN	Ctnna1	Normal
Normal_MN	Sipa1l1	Normal
Normal_MN	Adora1	Normal
Normal_MN	Nbea	Normal
Normal_MN	Slc10a4	Normal
Normal_MN	Eno2	Normal
Normal_MN	Cd9	Normal
Normal_MN	Atp5f1	Normal
Normal_MN	D130009I18R	Normal
Normal_MN	Ndufv2	Normal
Normal_MN	Pdlim2	Normal
Normal_MN	St13	Normal
Normal_MN	Epas1	Normal
Normal_MN	Nalcn	Normal
Normal_MN	1110004F10F	Normal
Normal_MN	Pde1b	Normal
Normal_MN	Naa38	Normal
Normal_MN	Josd2	Normal
Normal_MN	Slc25a23	Normal
Normal_MN	Dapk1	Normal
Normal_MN	Cacybp	Normal
Normal_MN	Orc5	Normal
Normal_MN	Syp	Normal
Normal_MN	Fam174a	Normal
Normal_MN	Atp1a2	Normal
Normal_MN	Prkaca	Normal
Normal_MN	Rnf220	Normal
Normal_MN	Nrep	Normal
Normal_MN	Vtn	Normal
Normal_MN	Kcnab1	Normal
Normal_MN	Rapgef4	Normal

Normal_MN	Ndufb4	Normal
Normal_MN	Fabp3	Normal
Normal_MN	Tnrc6c	Normal
Normal_MN	Hmgcs1	Normal
Normal_MN	Map7d2	Normal
Normal_MN	Faim2	Normal
Normal_MN	Cap1	Normal
Normal_MN	Gng2	Normal
Normal_MN	Blcap	Normal
Normal_MN	Add1	Normal
Normal_MN	Nptx1	Normal
Normal_MN	Tmem240	Normal
Normal_MN	Srcin1	Normal
Normal_MN	Plekhb2	Normal
Normal_MN	Bex3	Normal
Normal_MN	Coa3	Normal
Normal_MN	Polr2c	Normal
Normal_Micr	Sod1	Normal
Normal_Micr	Bc1	Normal
Normal_Micr	Ftl1	Normal
Normal_Micr	Stmn1	Normal
Normal_Micr	Jarid2	Normal
Normal_Micr	Plp1	Normal
Normal_Micr	Hspa8	Normal
Normal_Micr	Snhg11	Normal
Normal_Micr	Rpl37	Normal
Normal_Micr	Mag	Normal
Normal_Micr	Mal	Normal
Normal_Micr	Gm21988	Normal
Normal_Micr	Cldn11	Normal
Normal_Micr	Gm2000	Normal
Normal_Micr	Rps19	Normal
Normal_Micr	1110008P14F	Normal
Normal_Micr	D130009I18R	Normal
Normal_Micr	Tubb2a	Normal
Normal_Micr	Mog	Normal
Normal_Micr	Abcb7	Normal
Normal_Micr	Rabgef1	Normal
Normal_Micr	Rpl14	Normal
Normal_Micr	Cnp	Normal
Normal_Micr	Ptms	Normal
Normal_Micr	Rpl26	Normal
Normal_Micr	Scg5	Normal
Normal_Micr	Rpl29	Normal
Normal_Micr	Gp1bb	Normal
Normal_Micr	Rpl34	Normal
Normal_Micr	Bsg	Normal
Normal_Micr	Pdlim2	Normal
Normal_Micr	H2afj	Normal
Normal_Micr	Gamt	Normal
Normal_Micr	Npy	Normal

Normal_Micr Enpp2	Normal
Normal_Micr Cd81	Normal
Normal_Micr Ap2s1	Normal
Normal_Micr Lamp1	Normal
Normal_Micr Ugt8a	Normal
Normal_Micr Syt11	Normal
Normal_Micr Atp5d	Normal
Normal_Micr Hbb-bs	Normal
Normal_Micr Arpc4	Normal
Normal_Micr Meg3	Normal
Normal_Micr Rpl35	Normal
Normal_Micr Csf1r	Normal
Normal_Micr Fkbp1a	Normal
Normal_Micr Cck	Normal
Normal_Micr Sirt2	Normal
Normal_Micr Gsn	Normal
Normal_Micr Hba-a1	Normal
Normal_Micr Cap1	Normal
Normal_Micr Fscn1	Normal
Normal_Micr Pld3	Normal
Normal_Micr Grb14	Normal
Normal_Micr Hdac11	Normal
Normal_Micr Gm10260	Normal
Normal_Micr Cdk5r2	Normal
Normal_Micr Lingo1	Normal
Normal_Micr Josd2	Normal
Normal_Micr Ttc9b	Normal
Normal_Micr Edf1	Normal
Normal_Micr Syp	Normal
Normal_Micr Kctd17	Normal
Normal_Micr Atox1	Normal
Normal_Micr Dbp	Normal
Normal_Micr Kcnj10	Normal
Normal_Micr Sst	Normal
Normal_Neur Ftl1	Normal
Normal_Neur Plp1	Normal
Normal_Neur Hspa8	Normal
Normal_Neur Stmn1	Normal
Normal_Neur Sod1	Normal
Normal_Neur Jarid2	Normal
Normal_Neur Snhg11	Normal
Normal_Neur 1110008P14F	Normal
Normal_Neur Scg5	Normal
Normal_Neur Gm21988	Normal
Normal_Neur Mag	Normal
Normal_Neur Abcb7	Normal
Normal_Neur Cck	Normal
Normal_Neur Gp1bb	Normal
Normal_Neur Rabgef1	Normal
Normal_Neur Ptms	Normal
Normal_Neur D130009I18R	Normal

Normal_Neur Tubb2a	Normal
Normal_Neur Rpl26	Normal
Normal_Neur Gm2000	Normal
Normal_Neur Rps7	Normal
Normal_Neur Cldn11	Normal
Normal_Neur Syp	Normal
Normal_Neur Pld3	Normal
Normal_Neur Lingo1	Normal
Normal_Neur Rps19	Normal
Normal_Neur Cdk5r2	Normal
Normal_Neur Mal	Normal
Normal_Neur Rpl14	Normal
Normal_Neur Cnp	Normal
Normal_Neur Rpl29	Normal
Normal_Neur Fkbp1a	Normal
Normal_Neur Npy	Normal
Normal_Neur Bsg	Normal
Normal_Neur Ttc9b	Normal
Normal_Neur Stmn4	Normal
Normal_Neur Prkar1b	Normal
Normal_Neur Rgs4	Normal
Normal_Neur Snap47	Normal
Normal_Neur Atp5d	Normal
Normal_Neur Rpl34	Normal
Normal_Neur Fxyd7	Normal
Normal_Neur Dctn2	Normal
Normal_Neur Cap1	Normal
Normal_Neur Arpc4	Normal
Normal_Neur Atp5g1	Normal
Normal_Neur Fscn1	Normal
Normal_Neur Ap2s1	Normal
Normal_Neur Kctd17	Normal
Normal_Neur Nrep	Normal
Normal_Neur Ckmt1	Normal
Normal_Neur Rpl35	Normal
Normal_Neur Mobp	Normal
Normal_Neur Enpp2	Normal
Normal_Neur H2afj	Normal
Normal_Neur Mlt11	Normal
Normal_Neur Lamp1	Normal
Normal_Neur Atox1	Normal
Normal_Neur C1qtnf4	Normal
Normal_Neur Miat	Normal
Normal_Neur Lin7b	Normal
Normal_Neur Higd2a	Normal
Normal_Neur Vcp	Normal
Normal_Neur Ptpn	Normal
Normal_Neur Tyro3	Normal
Normal_Neur Synpo	Normal
Normal_Neur Cacnb3	Normal
Normal_Neur Hba-a1	Normal

Normal_astro Ftl1	Normal
Normal_astro Plp1	Normal
Normal_astro Bc1	Normal
Normal_astro Sod1	Normal
Normal_astro Stmn1	Normal
Normal_astro Jarid2	Normal
Normal_astro Hspa8	Normal
Normal_astro Mag	Normal
Normal_astro Mal	Normal
Normal_astro Cldn11	Normal
Normal_astro Cnp	Normal
Normal_astro Abcb7	Normal
Normal_astro Snhg11	Normal
Normal_astro Mbp	Normal
Normal_astro D130009I18R	Normal
Normal_astro Mog	Normal
Normal_astro Enpp2	Normal
Normal_astro Rabgef1	Normal
Normal_astro Mobp	Normal
Normal_astro Ugt8a	Normal
Normal_astro Gm21988	Normal
Normal_astro Gamt	Normal
Normal_astro 1110008P14F	Normal
Normal_astro Pdlim2	Normal
Normal_astro Cd81	Normal
Normal_astro Gsn	Normal
Normal_astro Rpl29	Normal
Normal_astro Grb14	Normal
Normal_astro Tspan2	Normal
Normal_astro Gm2000	Normal
Normal_astro Tubb2a	Normal
Normal_astro Bsg	Normal
Normal_astro Ttr	Normal
Normal_astro Rps7	Normal
Normal_astro Rpl34	Normal
Normal_astro Rpl26	Normal
Normal_astro Lamp1	Normal
Normal_astro Sirt2	Normal
Normal_astro Gm10260	Normal
Normal_astro Hba-a1	Normal
Normal_astro Scg5	Normal
Normal_astro Josd2	Normal
Normal_astro Opalin	Normal
Normal_astro Fabp7	Normal
Normal_astro Id3	Normal
Normal_astro Cmtm5	Normal
Normal_astro Ap2s1	Normal
Normal_astro Stmn4	Normal
Normal_astro H2afj	Normal
Normal_astro Il33	Normal
Normal_astro Arpc4	Normal

Normal_astro	Hbb-bs	Normal
Normal_astro	Pld3	Normal
Normal_astro	Igf2	Normal
Normal_olig	Ftl1	Normal
Normal_olig	Gsn	Normal
Normal_olig	Ugt8a	Normal
Normal_olig	Cldn11	Normal
Normal_olig	Mag	Normal
Normal_olig	Jarid2	Normal
Normal_olig	Mal	Normal
Normal_olig	Mog	Normal
Normal_olig	Cnp	Normal
Normal_olig	Cd81	Normal
Normal_olig	Plp1	Normal
Normal_olig	Bc1	Normal
Normal_olig	Stmn1	Normal
Normal_olig	Sod1	Normal
Normal_olig	Rpl37	Normal
Normal_olig	Hmgcs1	Normal
Normal_olig	Grb14	Normal
Normal_olig	Tspan2	Normal
Normal_olig	Syt11	Normal
Normal_olig	Gamt	Normal
Normal_olig	Pdlim2	Normal
Normal_olig	Hspa8	Normal
Normal_olig	Sgk1	Normal
Normal_olig	Cmtm5	Normal
Normal_olig	Il33	Normal
Normal_olig	Sirt2	Normal
Normal_olig	Enpp2	Normal
Normal_olig	Gm21988	Normal
Normal_olig	Fkbp1a	Normal
Normal_olig	Opalin	Normal
Normal_olig	Gm26917	Normal
Normal_olig	H2afj	Normal
Normal_olig	Fa2h	Normal
Normal_olig	Snhg11	Normal
Normal_olig	Lamp1	Normal
Normal_olig	Abcb7	Normal
Normal_olig	Nfasc	Normal
Normal_olig	Pilp	Normal
Normal_olig	Josd2	Normal
Normal_olig	Fabp5	Normal
Normal_olig	Tmem141	Normal
Normal_olig	Ptn	Normal
Normal_olig	1110008P14F	Normal
Normal_olig	Rps19	Normal
Normal_olig	Gm2000	Normal
Normal_olig	Kndc1	Normal
Normal_olig	Lgi3	Normal
Normal_olig	Arpc1b	Normal

Normal_olig	Cd9	Normal
Normal_olig	Rpl26	Normal
Normal_olig	Sema4d	Normal
Normal_olig	Rpl29	Normal
Normal_olig	Abhd17b	Normal
Normal_olig	Tmeff2	Normal
Normal_olig	Elovl1	Normal
Normal_olig	Cyp51	Normal
Normal_olig	D130009I18R	Normal
Normal_olig	Msmo1	Normal
Normal_olig	Taldo1	Normal
Normal_olig	Glul	Normal
Normal_olig	Pfdn5	Normal
Normal_olig	Gatm	Normal
Normal_olig	Slc25a38	Normal
Normal_olig	Gpr17	Normal
Normal_olig	Scg5	Normal
Normal_olig	9630013A20F	Normal
Normal_olig	Stmn4	Normal
Normal_olig	Cers2	Normal
Normal_olig	Rpl34	Normal
Normal_olig	Pacs2	Normal
Normal_olig	Shisa4	Normal
Normal_olig	Nrgn	Normal
Normal_olig	Fdps	Normal
Normal_olig	Reep5	Normal
Normal_olig	Rabgef1	Normal
Normal_olig	Sh3gl3	Normal
Normal_olig	Ppp1r14a	Normal
Normal_olig	Pcyt2	Normal
Normal_olig	Tyro3	Normal
Normal_olig	Marcks1	Normal
Normal_olig	Gm43738	Normal
Normal_olig	Aplp1	Normal
Normal_olig	Mcam	Normal
Normal_olig	Fabp7	Normal
Normal_olig	Rps27rt	Normal
Normal_olig	Gde1	Normal
Normal_olig	Gjc2	Normal
Normal_olig	Rpl9-ps6	Normal
Normal_olig	Cap1	Normal
Normal_olig	Lpar1	Normal
Normal_olig	Phyhip1	Normal
Normal_olig	Rps6	Normal
Normal_olig	Ap2s1	Normal
Normal_olig	Phldb1	Normal
Normal_olig	Abca2	Normal
Normal_olig	Fcho1	Normal
Normal_olig	Rap1a	Normal
Normal_olig	Zdhhc9	Normal
Normal_olig	Dhcr24	Normal

Normal_olig	Igsf8	Normal
Normal_olig	Map1lc3a	Normal
Normal_olig	Higd2a	Normal
Normal_olig	Gstp1	Normal
Normal_olig	Dctn2	Normal
Normal_olig	Lrrn1	Normal
Normal_olig	Tubb2a	Normal
Normal_olig	Atox1	Normal
Normal_olig	Npc2	Normal
Normal_olig	Bsg	Normal
Normal_olig	Secisbp2l	Normal
Normal_olig	Kcnj10	Normal
Normal_olig	Atp5d	Normal
Normal_olig	Agpat4	Normal
Normal_olig	Cck	Normal
Normal_olig	Gm10260	Normal
Normal_olig	Fscn1	Normal
Normal_olig	Gltp	Normal
Normal_olig	Prr18	Normal
Normal_olig	Slc44a1	Normal
Normal_olig	Tmem151a	Normal
Normal_olig	Rnd2	Normal
Normal_olig	Rbfox1	Normal
Normal_olig	Cyb5a	Normal
Normal_olig	Gstm1	Normal
Normal_olig	BC031181	Normal
Normal_olig	Hba-a1	Normal