

gene	average_log-fold_change	percentage_in_the_cluster	percentage_in_the_rest	p_value	adjusted_p_value	cluster
Prtg	0.586758717	0.752	0.284	3.5189E-145	4.4071E-141	1
Greb1l	0.535491235	0.58	0.259	5.3653E-74	6.7195E-70	1
Epha4	0.503109347	0.625	0.273	6.48519E-86	8.12205E-82	1
Mest	0.446762018	0.63	0.272	9.42959E-81	1.18096E-76	1
Ccser1	0.37010873	0.596	0.345	1.60593E-39	2.01127E-35	1
Lin28b	0.3671659	0.534	0.214	1.56687E-71	1.96235E-67	1
Vcan	0.328351085	0.515	0.227	3.74284E-55	4.68753E-51	1
Cdh2	0.326079981	0.567	0.325	1.73987E-37	2.17901E-33	1
Eya1	0.324586542	0.705	0.442	3.78366E-35	4.73865E-31	1
Rtn1	0.316513845	0.37	0.121	3.98142E-60	4.98633E-56	1
Hecw2	0.312926434	0.436	0.18	1.71891E-52	2.15276E-48	1
Palld	0.292201567	0.521	0.287	1.63685E-34	2.05E-30	1
Ptn	0.286320021	0.544	0.345	3.00651E-25	3.76535E-21	1
Cadm1	0.283713276	0.676	0.548	2.62286E-18	3.28488E-14	1
Scd2	0.277747192	0.531	0.293	1.85352E-36	2.32135E-32	1
Ptpn13	0.265760044	0.48	0.25	3.01966E-37	3.78182E-33	1
Dock4	0.261086266	0.476	0.248	1.8967E-35	2.37542E-31	1
Jazf1	0.260745329	0.419	0.226	1.21036E-27	1.51585E-23	1
Fgf10	0.256326855	0.314	0.1	2.51469E-50	3.1494E-46	1
Nr6a1	0.254265088	0.49	0.259	1.63482E-35	2.04745E-31	1
Gpc3	0.244532479	0.529	0.344	3.18576E-21	3.98985E-17	1
Ror2	0.244394849	0.493	0.256	9.08646E-35	1.13799E-30	1
Mki67	0.241621808	0.384	0.184	5.25605E-32	6.58268E-28	1
Epha7	0.238731539	0.671	0.47	1.47168E-21	1.84314E-17	1
Luzp2	0.236112101	0.332	0.179	2.91016E-20	3.64469E-16	1
Plch1	0.225362281	0.515	0.296	1.81146E-28	2.26867E-24	1
Lgr4	0.221345177	0.339	0.143	8.26015E-36	1.0345E-31	1
Jag1	0.208237691	0.309	0.089	6.60512E-57	8.27225E-53	1
30008M17	0.206718278	0.453	0.285	1.88514E-19	2.36095E-15	1
Il17rd	0.206011058	0.344	0.153	3.28801E-32	4.11791E-28	1
Tenm2	0.904624601	0.631	0.19	4.31484E-87	5.4039E-83	2
Glis3	0.858926357	0.693	0.089	2.69E-216	3.369E-212	2
Tln2	0.851458117	0.767	0.259	9.1207E-103	1.14227E-98	2
Dach1	0.847387595	0.965	0.588	1.08856E-73	1.36332E-69	2
Ptn	0.794255713	0.847	0.341	1.08662E-96	1.36088E-92	2
Zfp804b	0.771731696	0.481	0.111	1.65483E-75	2.07251E-71	2
Elf1	0.771256404	0.596	0.126	9.6878E-112	1.2133E-107	2
Gria4	0.762425885	0.502	0.115	9.73893E-83	1.2197E-78	2
Slc25a21	0.740119808	0.666	0.131	1.2745E-138	1.5961E-134	2
Lmx1a	0.650711895	0.85	0.422	6.50473E-65	8.14653E-61	2
Atxn1	0.631767689	0.728	0.38	4.98301E-45	6.24072E-41	2
Col11a1	0.612225459	0.564	0.211	4.09737E-51	5.13155E-47	2
Prkg1	0.575763117	0.76	0.421	3.41125E-42	4.27225E-38	2
Gnas	0.525266453	0.711	0.34	1.20931E-49	1.51454E-45	2
Slit2	0.511846578	0.718	0.367	3.27671E-41	4.10376E-37	2
Lhfp	0.480201325	0.512	0.136	5.88423E-67	7.36941E-63	2
Ccser1	0.463759886	0.679	0.357	2.43855E-34	3.05404E-30	2
Slc30a4	0.459446581	0.453	0.05	5.9002E-145	7.3894E-141	2
Pip5k1b	0.452385908	0.578	0.227	1.20686E-46	1.51147E-42	2
Lrrc4c	0.451577387	0.254	0.057	5.21452E-38	6.53066E-34	2
Dach2	0.44589795	0.77	0.381	2.66884E-43	3.34246E-39	2
Meg3	0.408072755	0.564	0.258	1.54726E-32	1.93779E-28	2
Gfra1	0.407471799	0.446	0.14	2.69975E-44	3.38117E-40	2
Fat3	0.402608108	0.564	0.345	3.66095E-18	4.58497E-14	2
Rspo3	0.399194711	0.355	0.082	7.95356E-54	9.96103E-50	2
Cadm2	0.331443427	0.334	0.171	4.83395E-13	6.05404E-09	2
Mylk	0.318137661	0.397	0.084	3.98786E-66	4.9944E-62	2
Pcdh9	0.316369194	0.411	0.225	3.18993E-14	3.99506E-10	2
Snx7	0.314914303	0.265	0.033	2.49735E-75	3.12768E-71	2
Frrs1	0.312044067	0.38	0.118	2.02565E-38	2.53693E-34	2
Zfp804b	1.447379013	0.862	0.102	1.2445E-236	1.5586E-232	3
Elf1	1.357016071	0.892	0.122	1.6628E-226	2.0825E-222	3
Dach2	1.315613277	0.946	0.38	4.3812E-103	5.487E-99	3
Nfia	1.294325611	0.961	0.408	3.2155E-106	4.0271E-102	3
Lrrc4c	1.288821402	0.665	0.043	2.2073E-271	2.7644E-267	3
Slit2	1.104090927	0.778	0.37	1.23792E-58	1.55037E-54	3
Pcdh9	1.067173638	0.714	0.215	7.67208E-80	9.60851E-76	3
Grm8	1.019639473	0.532	0.043	1.9442E-182	2.4349E-178	3
Dach1	0.966955596	0.966	0.595	5.02658E-62	6.29529E-58	3
Ncam2	0.963973034	0.586	0.065	8.5231E-158	1.0674E-153	3
Gfra1	0.92169263	0.764	0.132	3.002E-145	3.7597E-141	3
Kif26b	0.920978082	0.601	0.054	3.0342E-191	3.8E-187	3
Slc39a14	0.860550345	0.665	0.045	6.6009E-264	8.267E-260	3
Ghr	0.781037115	0.655	0.128	1.4595E-108	1.8278E-104	3

Atxn1	0.768340289	0.759	0.384	7.1752E-44	8.98622E-40	3
Cadm2	0.756113138	0.527	0.166	5.39699E-44	6.75919E-40	3
Frrs1	0.752056653	0.68	0.109	7.5309E-136	9.4316E-132	3
Malat1	0.731703928	0.99	0.924	5.78721E-52	7.24791E-48	3
Pcdh7	0.710948655	0.764	0.364	2.02404E-43	2.53491E-39	3
Gria4	0.69587096	0.527	0.121	9.39765E-67	1.17696E-62	3
Nrp2	0.689609564	0.586	0.054	6.8275E-179	8.5507E-175	3
Prickle1	0.682879669	0.473	0.056	3.2582E-116	4.0806E-112	3
Lmx1a	0.630862828	0.842	0.43	1.20266E-44	1.50621E-40	3
Lrrtm4	0.623993645	0.488	0.059	1.2283E-112	1.5383E-108	3
Dmd	0.611042967	0.552	0.114	3.14953E-78	3.94447E-74	3
Fam19a1	0.570219264	0.365	0.031	1.6788E-114	2.1025E-110	3
Rbms3	0.570071525	0.798	0.407	2.5696E-38	3.21817E-34	3
Lhfp	0.568498949	0.532	0.142	3.14136E-54	3.93424E-50	3
30114P18f	0.554706533	0.498	0.096	3.98929E-77	4.99619E-73	3
Ror2	0.542992623	0.739	0.266	1.10594E-55	1.38508E-51	3
Adamts1	1.526626111	0.838	0.175	1.4294E-224	1.7902E-220	4
Sh3gl2	0.7415651	0.629	0.159	2.8061E-113	3.5144E-109	4
Pde4b	0.725878123	0.752	0.33	5.31438E-64	6.65573E-60	4
Ctnna2	0.718309771	0.625	0.294	3.69571E-45	4.62851E-41	4
Npas3	0.604436701	0.638	0.383	8.38357E-35	1.04996E-30	4
Sorbs2	0.547922703	0.778	0.541	9.58798E-38	1.2008E-33	4
Ccser1	0.473483766	0.632	0.358	6.14786E-32	7.69958E-28	4
Eya4	0.425417265	0.787	0.517	2.28364E-26	2.86003E-22	4
Tgfb2	0.423433861	0.419	0.146	6.33434E-40	7.93313E-36	4
Gpc4	0.370610279	0.384	0.143	6.091E-33	7.62837E-29	4
Tox	0.347595457	0.813	0.62	5.92842E-22	7.42475E-18	4
Sdk1	0.334447886	0.448	0.267	1.44209E-14	1.80608E-10	4
Ebf3	0.334115559	0.368	0.078	1.23845E-65	1.55104E-61	4
Efna5	0.31945657	0.816	0.63	2.68416E-19	3.36165E-15	4
Ntf3	0.306518562	0.346	0.087	2.25955E-48	2.82987E-44	4
Ptprt	0.30440699	0.416	0.184	6.56387E-25	8.22058E-21	4
Gpc5	0.287861922	0.438	0.223	1.34461E-17	1.68399E-13	4
Otog	0.273945197	0.305	0.081	7.11716E-41	8.91353E-37	4
Ephb1	0.260838035	0.41	0.163	7.77938E-28	9.7429E-24	4
Zbtb20	0.255831324	0.803	0.648	4.54411E-13	5.69104E-09	4
Palld	0.25553901	0.467	0.306	6.56587E-11	8.22309E-07	4
Bach2	0.239655716	0.381	0.21	1.79102E-14	2.24308E-10	4
Nhs	0.238338503	0.524	0.333	2.19138E-13	2.74448E-09	4
Nfia	0.237787167	0.625	0.418	4.08504E-15	5.11611E-11	4
Otogl	0.236546741	0.305	0.086	1.24277E-35	1.55644E-31	4
Nckap5	0.232881456	0.34	0.178	1.24887E-13	1.56408E-09	4
Brip1	0.231928832	0.343	0.212	3.72024E-09	4.65922E-05	4
Zmat4	0.228508795	0.321	0.134	5.30858E-20	6.64847E-16	4
Ptprd	0.208225752	0.603	0.471	2.0543E-08	0.000257281	4
Maml2	0.207427142	0.556	0.419	1.56543E-08	0.000196055	4
Cntn5	1.678496565	0.881	0.217	1.5018E-283	1.8808E-279	5
Dach1	0.653115531	0.742	0.596	1.02401E-25	1.28248E-21	5
Nfib	0.638531221	0.7	0.401	1.96341E-54	2.45897E-50	5
Dach2	0.538396122	0.635	0.379	1.47168E-34	1.84313E-30	5
Cdh4	0.524438458	0.571	0.236	5.04684E-66	6.32066E-62	5
Lmx1a	0.517663612	0.779	0.412	5.49039E-65	6.87617E-61	5
Nfia	0.407175567	0.629	0.41	6.27031E-25	7.85293E-21	5
Bmpr1b	0.401733692	0.76	0.521	7.78417E-36	9.74889E-32	5
Mest	0.399125421	0.59	0.287	4.39364E-49	5.50259E-45	5
Pax2	0.379080216	0.577	0.267	1.63472E-48	2.04733E-44	5
Ptprt	0.378461132	0.444	0.173	3.40402E-48	4.26319E-44	5
Pip5k1b	0.348867323	0.51	0.219	5.97381E-49	7.4816E-45	5
Eya1	0.345396223	0.698	0.451	4.79298E-29	6.00273E-25	5
Epha7	0.343218153	0.679	0.475	1.00891E-24	1.26357E-20	5
Vav3	0.339721589	0.408	0.122	4.4833E-66	5.61489E-62	5
Brip1	0.329038701	0.479	0.193	3.77091E-48	4.72269E-44	5
Smoc1	0.319669471	0.362	0.088	6.19991E-74	7.76477E-70	5
Aff3	0.311483181	0.721	0.497	7.22561E-28	9.04935E-24	5
Tenm4	0.287963595	0.717	0.499	4.58735E-25	5.7452E-21	5
Nr2f1	0.28351032	0.483	0.195	4.32099E-47	5.4116E-43	5
Grik2	0.27725279	0.583	0.332	1.46704E-29	1.83732E-25	5
Ror2	0.259816399	0.492	0.263	1.14438E-27	1.43323E-23	5
30011G23l	0.257313349	0.492	0.232	4.82061E-33	6.03733E-29	5
Hdac9	0.247541593	0.362	0.21	5.27142E-17	6.60193E-13	5
Hmcn1	0.243069065	0.423	0.208	4.81801E-28	6.03408E-24	5
Lingo2	0.238149704	0.204	0.062	2.29913E-29	2.87944E-25	5
Lrig1	0.235452205	0.271	0.085	1.44843E-37	1.81402E-33	5
Gfra1	0.227225477	0.342	0.138	1.65429E-30	2.07183E-26	5
Cttnbp2	0.218677161	0.315	0.118	1.5513E-33	1.94284E-29	5

Rbpms	0.218099404	0.381	0.22	2.63777E-17	3.30354E-13	5
Gpc5	0.726965124	0.673	0.196	5.6796E-120	7.1132E-116	6
Eya4	0.671661158	0.908	0.499	9.62771E-90	1.20577E-85	6
Ephb1	0.648372044	0.501	0.148	3.4644E-82	4.33881E-78	6
30011G23l	0.634325824	0.624	0.223	2.98152E-88	3.73406E-84	6
Sobp	0.519999464	0.751	0.377	4.50132E-64	5.63745E-60	6
Ntm	0.463648637	0.445	0.214	4.80567E-30	6.01862E-26	6
Gas2	0.452813578	0.598	0.227	4.20765E-70	5.26966E-66	6
Sfrp1	0.435135938	0.536	0.17	1.60262E-79	2.00712E-75	6
Dpp10	0.413231998	0.299	0.129	6.70244E-24	8.39413E-20	6
Eya1	0.406328616	0.72	0.452	3.81933E-35	4.78332E-31	6
Rorb	0.401310337	0.381	0.101	1.67294E-60	2.09518E-56	6
Pax2	0.398063201	0.565	0.272	1.02478E-39	1.28344E-35	6
Aff3	0.374205928	0.736	0.498	3.4834E-32	4.36261E-28	6
Trpm3	0.37033805	0.948	0.771	4.02813E-36	5.04483E-32	6
Thrb	0.322462669	0.339	0.111	2.35333E-40	2.94731E-36	6
Brip1	0.321316921	0.438	0.2	2.11948E-32	2.65444E-28	6
B4galnt3	0.315278681	0.344	0.078	2.95899E-70	3.70584E-66	6
Mid1	0.314179185	0.699	0.522	9.98053E-19	1.24996E-14	6
Limch1	0.303209949	0.612	0.334	2.22824E-33	2.79064E-29	6
Pde4d	0.301208302	0.508	0.266	1.46059E-27	1.82925E-23	6
Ubash3b	0.264028863	0.36	0.125	4.82397E-41	6.04155E-37	6
Ctnnd2	0.260118121	0.574	0.374	1.11935E-18	1.40188E-14	6
Nr2f1	0.255046563	0.435	0.203	6.4364E-29	8.06094E-25	6
Epha7	0.25395578	0.739	0.472	3.01976E-23	3.78194E-19	6
Abr	0.244139697	0.362	0.191	2.51923E-19	3.15509E-15	6
Lect1	0.241515794	0.304	0.104	1.12336E-34	1.4069E-30	6
Sulf1	0.231228612	0.673	0.435	1.94107E-19	2.431E-15	6
Zmat4	0.22620471	0.315	0.13	9.81088E-26	1.22871E-21	6
Gli3	0.219480842	0.558	0.392	9.98653E-15	1.25071E-10	6
Phactr1	0.219100241	0.212	0.073	1.95159E-23	2.44417E-19	6
Rorb	1.130272639	0.714	0.076	2.9426E-303	3.6853E-299	7
Thrb	0.986539948	0.759	0.079	0	0	7
Trpm3	0.974617924	0.992	0.77	1.3715E-148	1.7177E-144	7
Hmga2	0.934955339	0.859	0.383	3.2817E-130	4.11E-126	7
Ctnnd2	0.895765585	0.854	0.353	2.0703E-131	2.5928E-127	7
Frmpr4	0.84022865	0.658	0.069	6.9592E-274	8.7157E-270	7
Nhs	0.807143257	0.732	0.313	3.18962E-89	3.99468E-85	7
Adamts19	0.805299085	0.735	0.211	2.868E-139	3.5919E-135	7
Fat3	0.758347815	0.756	0.325	9.38102E-90	1.17488E-85	7
Angpt1	0.75802479	0.552	0.036	7.2944E-300	9.1355E-296	7
Clu	0.66121794	0.549	0.024	0	0	7
Adamts6	0.622630399	0.552	0.128	2.1373E-113	2.6768E-109	7
Robo2	0.589529676	0.515	0.178	2.00851E-65	2.51546E-61	7
Sobp	0.583946985	0.756	0.381	1.6926E-63	2.11981E-59	7
Gata3	0.548695746	0.546	0.089	1.2051E-155	1.5093E-151	7
Nckap5	0.52093115	0.541	0.16	4.55582E-80	5.70571E-76	7
Cask	0.498217329	0.658	0.295	1.86181E-61	2.33173E-57	7
Sfrp1	0.477879512	0.557	0.172	1.70248E-79	2.13218E-75	7
Grb10	0.43613149	0.706	0.484	4.56426E-33	5.71628E-29	7
App	0.435834048	0.764	0.515	1.54602E-37	1.93624E-33	7
Sema6a	0.433885959	0.743	0.476	2.6478E-37	3.3161E-33	7
Pde4b	0.428801489	0.634	0.334	9.76232E-36	1.22263E-31	7
Gpc5	0.418629091	0.525	0.213	5.67563E-44	7.10815E-40	7
Lncpint	0.414584362	0.358	0.019	2.6212E-207	3.2828E-203	7
Syne2	0.412931743	0.653	0.384	2.90431E-37	3.63736E-33	7
Sipa1l1	0.402047075	0.698	0.409	1.27458E-39	1.59628E-35	7
Sulf1	0.401209501	0.751	0.432	2.97595E-40	3.72708E-36	7
Thsd7a	0.401164421	0.355	0.126	6.88411E-37	8.62166E-33	7
Malat1	0.396283608	0.981	0.922	3.33613E-35	4.17816E-31	7
Lin28b	0.39483284	0.538	0.23	3.25559E-44	4.07731E-40	7
Ebf1	1.878149002	0.976	0.084	0	0	8
Nrxn3	1.278102351	0.732	0.245	1.35164E-84	1.6928E-80	8
Fmn1	0.69172842	0.634	0.156	5.98067E-96	7.4902E-92	8
Trpm3	0.681796361	0.98	0.776	8.10356E-55	1.01489E-50	8
Pde4b	0.6421857	0.76	0.336	1.34438E-48	1.6837E-44	8
Fat3	0.640173637	0.703	0.34	5.00139E-43	6.26374E-39	8
Epha7	0.627911277	0.813	0.478	6.42933E-43	8.05209E-39	8
Celf2	0.589121701	0.768	0.506	2.55172E-34	3.19577E-30	8
Tecta	0.587488941	0.427	0.012	3.3537E-287	4.2002E-283	8
Tgfb2	0.583961337	0.569	0.142	3.40217E-74	4.26088E-70	8
Ntf3	0.581751295	0.492	0.083	8.9015E-99	1.11483E-94	8
Galntl6	0.56297386	0.285	0.093	1.84932E-24	2.31608E-20	8
Spock1	0.555531154	0.496	0.069	2.2546E-120	2.8237E-116	8
Pcdh11x	0.471388362	0.48	0.167	2.14605E-38	2.68772E-34	8

Eya1	0.465460222	0.821	0.457	3.37632E-34	4.22851E-30	8
Eya4	0.464097603	0.858	0.517	3.38679E-33	4.24161E-29	8
Fgf10	0.4385427	0.447	0.11	1.88185E-55	2.35682E-51	8
Bcl2	0.428932286	0.415	0.145	7.07823E-34	8.86477E-30	8
Tox	0.42161877	0.837	0.622	3.565E-25	4.46481E-21	8
Thrb	0.404582122	0.419	0.115	3.03113E-43	3.79619E-39	8
Prdm16	0.403781919	0.447	0.198	2.07314E-25	2.5964E-21	8
Atp2b1	0.388782885	0.589	0.297	5.09094E-27	6.3759E-23	8
Sdk1	0.385469217	0.516	0.266	8.27667E-21	1.03657E-16	8
Nckap5	0.381160977	0.382	0.178	1.6855E-17	2.11093E-13	8
Asap1	0.375263574	0.598	0.353	5.12697E-21	6.42101E-17	8
Moxd1	0.369707945	0.374	0.064	9.98885E-71	1.251E-66	8
Limch1	0.358997896	0.593	0.345	5.56832E-21	6.97376E-17	8
Nfib	0.351853447	0.634	0.419	1.19677E-15	1.49884E-11	8
Itga8	0.350771745	0.305	0.033	5.57333E-89	6.98003E-85	8
Hmga2	0.329781066	0.561	0.412	1.47679E-08	0.000184954	8
Grid2	1.548041757	0.905	0.205	7.1559E-308	8.962E-304	9
Kctd8	0.937774441	0.404	0.032	1.0474E-215	1.3117E-211	9
Zfp385b	0.871562275	0.615	0.067	9.0238E-291	1.1301E-286	9
Sulf1	0.840045071	0.861	0.412	2.6549E-128	3.325E-124	9
Otx2os1	0.744809383	0.42	0.007	0	0	9
Nnat	0.700923587	0.551	0.168	2.8407E-108	3.5577E-104	9
Mid1	0.699488559	0.836	0.505	6.62087E-85	8.29198E-81	9
Oc90	0.647701531	0.805	0.339	2.55349E-94	3.19799E-90	9
Pid1	0.639386146	0.395	0.07	6.345E-119	7.9464E-115	9
Pcdh7	0.629770556	0.7	0.346	2.92592E-70	3.66442E-66	9
Mecom	0.624937382	0.46	0.068	4.6862E-164	5.8691E-160	9
Frem2	0.561355957	0.453	0.125	7.83375E-90	9.81099E-86	9
Il1rapl1	0.495807012	0.383	0.139	5.5149E-47	6.90686E-43	9
Cacna2d1	0.46649413	0.377	0.126	8.04882E-52	1.00803E-47	9
Eya4	0.456965892	0.861	0.499	4.6619E-62	5.83857E-58	9
Pde4d	0.436123378	0.52	0.261	2.19068E-42	2.74361E-38	9
Dpp10	0.412854892	0.395	0.117	1.49991E-62	1.87849E-58	9
Plxdc2	0.38831483	0.605	0.314	2.96872E-48	3.71803E-44	9
Brinp3	0.387968968	0.3	0.019	1.8621E-173	2.3321E-169	9
Rspo2	0.377364175	0.29	0.031	8.3482E-124	1.0455E-119	9
Pcdh11x	0.376971509	0.383	0.161	6.38567E-35	7.99741E-31	9
Lypd6	0.338876617	0.317	0.064	3.84106E-79	4.81054E-75	9
Spats2l	0.330974509	0.387	0.084	7.30594E-92	9.14996E-88	9
Pcdh9	0.319560261	0.398	0.218	6.45145E-20	8.0798E-16	9
Rgs6	0.319145688	0.311	0.074	6.18466E-65	7.74567E-61	9
Thsd7a	0.305558285	0.265	0.131	3.22286E-17	4.0363E-13	9
Gm42418	0.302710729	0.998	0.992	1.56892E-09	1.96491E-05	9
Dclk1	0.293428883	0.346	0.164	1.78737E-24	2.2385E-20	9
Ppp2r2b	0.292716049	0.764	0.569	4.95924E-20	6.21095E-16	9
Lect1	0.284721612	0.358	0.096	1.83383E-64	2.29668E-60	9
Kcnq3	0.536356656	0.672	0.277	1.74913E-51	2.19061E-47	10
Cdon	0.500317703	0.734	0.345	7.54009E-50	9.44321E-46	10
Unc5c	0.452901057	0.864	0.597	1.04812E-29	1.31267E-25	10
Meis2	0.405661862	0.773	0.455	4.55092E-31	5.69958E-27	10
Slit3	0.368241663	0.584	0.395	1.69686E-15	2.12515E-11	10
Ror1	0.3074847	0.769	0.589	2.64398E-15	3.31133E-11	10
Sorcs1	0.291186185	0.552	0.349	7.48764E-15	9.37752E-11	10
Klhl29	0.26203701	0.396	0.225	3.84101E-14	4.81049E-10	10
Meis1	0.252798906	0.412	0.211	1.00529E-16	1.25903E-12	10
Jazf1	0.252175237	0.448	0.237	1.44873E-17	1.81439E-13	10
Fn1	0.234607772	0.403	0.181	2.34757E-21	2.94009E-17	10
Frmd5	0.231170788	0.526	0.368	2.68896E-10	3.36765E-06	10
Figf	0.226634921	0.503	0.348	1.85104E-09	2.31824E-05	10
Gas1	0.209503866	0.377	0.217	8.41178E-12	1.05349E-07	10
Zbtb16	0.201945365	0.279	0.102	4.87179E-22	6.10143E-18	10
Frmd4b	0.200753144	0.38	0.203	3.23668E-14	4.05361E-10	10
Lmo4	0.183450008	0.26	0.093	3.63164E-21	4.54827E-17	10
Oc90	0.18189539	0.594	0.37	8.29037E-11	1.03829E-06	10
Nkain3	0.178336866	0.331	0.199	2.93594E-08	0.000367697	10
Stk39	0.177227909	0.468	0.341	4.06017E-07	0.005084951	10
Fut9	0.17436473	0.347	0.185	4.13353E-12	5.17683E-08	10
Tbx3	0.174069256	0.214	0.078	7.12189E-17	8.91946E-13	10
Crim1	0.165126568	0.347	0.207	4.44343E-09	5.56495E-05	10
Igdcc3	0.163946248	0.393	0.234	9.54166E-11	1.195E-06	10
Plxna4	0.160003919	0.477	0.273	8.03755E-12	1.00662E-07	10
Mdk	0.158296613	0.526	0.381	3.23292E-07	0.004048909	10
Mki67	0.157897847	0.318	0.202	2.78142E-07	0.003483444	10
Gli2	0.151658965	0.331	0.195	3.36654E-09	4.21626E-05	10
Pknox2	0.151362157	0.24	0.136	6.59292E-08	0.000825697	10

Lef1	0.14006129	0.253	0.135	7.23312E-09	9.05875E-05	10
Oc90	0.967538017	0.888	0.343	5.0254E-126	6.2939E-122	11
Negr1	0.945639734	0.733	0.209	3.0025E-134	3.7603E-130	11
Schip1	0.871039974	0.413	0.139	1.9595E-52	2.45408E-48	11
Tmtc2	0.687638069	0.648	0.265	2.73811E-69	3.42921E-65	11
Dach2	0.643190417	0.616	0.386	1.49953E-30	1.87801E-26	11
Dach1	0.635380777	0.845	0.591	1.72807E-46	2.16424E-42	11
Fgf13	0.568113984	0.507	0.155	8.77731E-72	1.09927E-67	11
Lrrtm4	0.566395475	0.304	0.058	9.72519E-69	1.21798E-64	11
Ror1	0.553736525	0.803	0.583	2.48934E-38	3.11765E-34	11
Meis2	0.52395091	0.792	0.448	7.05838E-48	8.83992E-44	11
Plxna4	0.501688504	0.64	0.257	3.41838E-56	4.28118E-52	11
Nrg3	0.423114467	0.195	0.062	6.24293E-22	7.81864E-18	11
Kcnq3	0.416215994	0.504	0.285	7.10807E-22	8.90214E-18	11
Robo1	0.397413148	0.76	0.64	6.66752E-20	8.3504E-16	11
Cacna2d1	0.393260221	0.371	0.132	1.31125E-36	1.64221E-32	11
Fam20a	0.38687159	0.315	0.026	5.106E-142	6.3947E-138	11
Cdon	0.381739357	0.581	0.352	2.75109E-24	3.44546E-20	11
Rbms3	0.381594485	0.675	0.402	3.54242E-29	4.43653E-25	11
Fn1	0.371638525	0.445	0.174	9.41703E-41	1.17939E-36	11
Fut9	0.362072343	0.395	0.179	1.17488E-26	1.47142E-22	11
B3galt1	0.35999141	0.432	0.226	1.14839E-22	1.43824E-18	11
Nkain2	0.357914147	0.419	0.214	2.29987E-21	2.88036E-17	11
Lrfn5	0.353018633	0.312	0.067	2.9547E-61	3.70047E-57	11
Pdgfd	0.350200378	0.557	0.335	2.65779E-22	3.32862E-18	11
ErbB4	0.348726604	0.389	0.24	5.56289E-12	6.96696E-08	11
Thsd4	0.342744321	0.323	0.121	2.67236E-30	3.34686E-26	11
Nlgn1	0.32571082	0.347	0.124	3.8682E-34	4.84454E-30	11
Sorcs1	0.325323624	0.512	0.35	4.38086E-14	5.48658E-10	11
Pcdh15	0.302618923	0.363	0.253	1.34178E-07	0.001680449	11
Malat1	0.300536401	0.971	0.923	8.89406E-22	1.11389E-17	11
Nrg3	1.956427883	0.741	0.053	3.0332E-232	3.7988E-228	12
Cadm2	1.596967088	0.846	0.161	8.3785E-124	1.0493E-119	12
Nkain2	1.316433183	0.916	0.209	4.0069E-113	5.0182E-109	12
Sorcs1	1.079403281	0.867	0.347	2.33519E-61	2.92459E-57	12
Grid2	0.990585226	0.811	0.257	1.52411E-56	1.90879E-52	12
Lrp1b	0.934016045	0.497	0.1	1.48993E-55	1.86599E-51	12
Gm44905	0.92102465	0.441	0.035	1.1436E-116	1.4322E-112	12
Kcnd2	0.821953324	0.538	0.169	2.20153E-34	2.75719E-30	12
Negr1	0.786798394	0.748	0.233	2.65303E-49	3.32265E-45	12
Lrrc7	0.781212207	0.72	0.159	8.68181E-78	1.08731E-73	12
Meis1	0.772740572	0.769	0.207	3.56954E-65	4.4705E-61	12
Ntm	0.769305579	0.629	0.222	2.83798E-35	3.55428E-31	12
Slc8a1	0.738259825	0.72	0.23	1.18194E-51	1.48026E-47	12
Col11a1	0.702759901	0.538	0.222	5.091E-23	6.37596E-19	12
Flrt2	0.70080642	0.573	0.115	1.2099E-62	1.51528E-58	12
Cdon	0.700574467	0.79	0.357	5.18097E-37	6.48864E-33	12
Sema3e	0.698486364	0.727	0.148	7.34574E-74	9.1998E-70	12
Sgcz	0.689752336	0.336	0.03	1.67329E-79	2.09562E-75	12
Cdh18	0.677800013	0.399	0.045	1.75395E-76	2.19665E-72	12
Oc90	0.676537037	0.93	0.368	2.2537E-44	2.82253E-40	12
Nkain3	0.652367532	0.657	0.194	9.03288E-46	1.13128E-41	12
Astn2	0.650680393	0.448	0.112	7.8459E-38	9.8262E-34	12
Meis2	0.649515099	0.881	0.462	2.09118E-32	2.61899E-28	12
Plxna4	0.642928024	0.685	0.274	2.85108E-31	3.57069E-27	12
Large1	0.58392202	0.65	0.27	3.69108E-32	4.6227E-28	12
Cacna2d3	0.56866422	0.517	0.138	6.0087E-39	7.52529E-35	12
Pcdh15	0.563546383	0.476	0.255	8.58992E-12	1.0758E-07	12
Rbms3	0.550943526	0.762	0.413	7.29829E-23	9.14037E-19	12
ErbB4	0.550462229	0.531	0.243	4.11536E-17	5.15407E-13	12
Ppp2r2b	0.544673008	0.909	0.579	2.76068E-22	3.45748E-18	12
Zfpm2	1.688140891	0.864	0.079	1.9674E-297	2.464E-293	13
Sema3e	1.428399266	0.884	0.135	7.9561E-201	9.9642E-197	13
ErbB4	1.054501999	0.648	0.234	3.05984E-55	3.83214E-51	13
Plxna4	0.924386739	0.894	0.261	3.2443E-99	4.06322E-95	13
Ntn1	0.921239545	0.688	0.054	3.1454E-243	3.9393E-239	13
Oc90	0.833110081	0.915	0.362	1.63141E-65	2.04317E-61	13
Adamts9	0.802551387	0.533	0.167	4.93321E-48	6.17835E-44	13
Meis2	0.777832205	0.899	0.457	6.9895E-58	8.75364E-54	13
Ppp2r2b	0.747010455	0.925	0.574	5.61266E-47	7.02929E-43	13
Alk	0.717542951	0.472	0.029	1.5526E-187	1.9444E-183	13
Pdgfc	0.691739037	0.749	0.358	1.31903E-44	1.65195E-40	13
Rbms3	0.664533961	0.819	0.406	9.51209E-45	1.19129E-40	13
Flrt2	0.65121267	0.503	0.113	2.92942E-64	3.66881E-60	13
Kcnd2	0.636092832	0.543	0.165	5.65218E-44	7.07879E-40	13

Rtn1	0.577097028	0.548	0.135	1.0488E-62	1.31352E-58	13
Fstl4	0.559946656	0.312	0.02	2.1975E-118	2.7522E-114	13
Ror1	0.534564928	0.839	0.59	1.28577E-26	1.6103E-22	13
Efna5	0.519424558	0.879	0.632	7.21874E-25	9.04075E-21	13
Tcf4	0.496823595	0.869	0.663	6.4605E-29	8.09113E-25	13
Negr1	0.475995493	0.593	0.234	2.86162E-31	3.58389E-27	13
Mast4	0.469329108	0.497	0.292	1.01809E-14	1.27506E-10	13
Gm44905	0.431927677	0.211	0.04	1.15797E-29	1.45025E-25	13
Tns3	0.425893339	0.492	0.132	3.58768E-49	4.49321E-45	13
Fn1	0.416220731	0.447	0.184	5.29125E-23	6.62676E-19	13
Kirrel3	0.407636106	0.568	0.362	7.13283E-12	8.93315E-08	13
Unc5c	0.402896417	0.784	0.606	1.35987E-11	1.70311E-07	13
Smoc2	0.398898791	0.296	0.04	1.73071E-61	2.16754E-57	13
Foxp1	0.397808956	0.714	0.445	1.66377E-21	2.08371E-17	13
Vcan	0.39212465	0.492	0.253	8.18565E-18	1.02517E-13	13
Plcb1	0.380855834	0.342	0.086	9.20675E-35	1.15305E-30	13
Tenm3	1.278643916	0.926	0.68	3.51759E-97	4.40543E-93	14
Lsamp	1.143003028	0.78	0.307	3.1698E-123	3.9699E-119	14
Kcnq3	0.986108007	0.788	0.262	1.103E-126	1.3814E-122	14
Unc5c	0.960509614	0.968	0.584	5.1888E-116	6.4984E-112	14
Plxna4	0.875686792	0.81	0.243	9.0598E-140	1.1346E-135	14
Kcnd2	0.854300355	0.593	0.146	2.3377E-114	2.9277E-110	14
Sema3e	0.827641603	0.72	0.119	2.1817E-203	2.7323E-199	14
Bmper	0.772730317	0.563	0.124	1.4401E-124	1.8036E-120	14
Crim1	0.656176416	0.587	0.185	3.10996E-88	3.89491E-84	14
Meis2	0.654330451	0.881	0.441	6.78591E-86	8.49868E-82	14
Oc90	0.648960722	0.87	0.344	2.01374E-90	2.52201E-86	14
Meis1	0.635641831	0.646	0.189	3.0884E-105	3.868E-101	14
Cdon	0.587291331	0.757	0.338	9.09731E-76	1.13935E-71	14
.10035D17I	0.584521258	0.799	0.431	8.58673E-72	1.0754E-67	14
Sema3d	0.56771327	0.423	0.082	1.5227E-99	1.90708E-95	14
Hpse2	0.557977155	0.331	0.047	3.3986E-101	4.25641E-97	14
Negr1	0.55419273	0.608	0.219	4.82974E-66	6.04877E-62	14
Frmd4b	0.495006435	0.587	0.183	3.15002E-82	3.94508E-78	14
Nalcn	0.477735738	0.582	0.177	2.85443E-82	3.57489E-78	14
Nxph1	0.455307393	0.222	0.016	3.1256E-107	3.9145E-103	14
Raly1	0.448503603	0.146	0.046	2.2213E-17	2.78195E-13	14
Grid2	0.420561869	0.635	0.243	2.3498E-55	2.94289E-51	14
Zfp536	0.410004697	0.503	0.172	1.06747E-57	1.33691E-53	14
Ppp2r2b	0.388008322	0.812	0.57	9.52537E-28	1.19296E-23	14
Kirrel3	0.353353242	0.587	0.352	8.53946E-24	1.06948E-19	14
Foxp2	0.347423288	0.497	0.26	2.58586E-27	3.23853E-23	14
Cdh8	0.33746464	0.198	0.021	2.02778E-74	2.5396E-70	14
Hs6st3	0.334430834	0.225	0.047	3.4417E-45	4.31038E-41	14
Timp3	0.328896362	0.328	0.05	1.13877E-91	1.42619E-87	14
Pdgd	0.324412531	0.558	0.335	4.18959E-22	5.24704E-18	14
Nrxn3	1.496101971	0.802	0.25	2.52238E-78	3.15902E-74	15
Unc5c	1.016568798	0.928	0.602	4.0534E-48	5.07648E-44	15
Tenm3	0.888511442	0.886	0.692	3.95763E-27	4.95653E-23	15
Chst9	0.85726429	0.521	0.085	5.00844E-83	6.27257E-79	15
Zfp536	0.847726731	0.719	0.179	2.33538E-79	2.92483E-75	15
Mdga2	0.805242291	0.443	0.051	3.69358E-96	4.62584E-92	15
Sorbs2	0.782192744	0.922	0.544	1.66706E-50	2.08783E-46	15
Fgf14	0.752170631	0.449	0.075	9.81519E-69	1.22925E-64	15
Ctnna2	0.738616135	0.701	0.301	1.47267E-37	1.84438E-33	15
Zpld1	0.713754152	0.359	0.004	7.7475E-296	9.703E-292	15
Robo1	0.647633713	0.916	0.64	5.55182E-35	6.9531E-31	15
Hpse2	0.610420827	0.353	0.058	1.12837E-51	1.41317E-47	15
Tgfb2	0.596420239	0.569	0.149	4.37014E-51	5.47316E-47	15
Crim1	0.583795328	0.569	0.204	7.57909E-35	9.49206E-31	15
Tenm4	0.580094986	0.796	0.51	3.91897E-26	4.90812E-22	15
Pde4b	0.570176943	0.743	0.344	4.85213E-28	6.07681E-24	15
Lhfp13	0.563394323	0.317	0.049	5.91809E-50	7.41182E-46	15
Dab1	0.561954326	0.485	0.157	2.97638E-33	3.72761E-29	15
Ntm	0.560445859	0.389	0.228	8.28347E-08	0.001037422	15
Mybpc1	0.55837424	0.485	0.032	1.4343E-164	1.7964E-160	15
Zfp804b	0.540328843	0.341	0.125	7.97595E-17	9.98908E-13	15
Kcnd2	0.54029336	0.551	0.167	7.85358E-37	9.83582E-33	15
Il1rap11	0.46469183	0.407	0.155	1.26298E-19	1.58175E-15	15
Pdgd	0.454029753	0.725	0.339	8.28142E-29	1.03716E-24	15
Auts2	0.444477185	0.928	0.848	4.00344E-21	5.01391E-17	15
Plxna4	0.442161193	0.695	0.272	8.13704E-30	1.01908E-25	15
Trpm3	0.4405542	0.952	0.781	1.04029E-19	1.30286E-15	15
Nalcn	0.425252039	0.587	0.194	8.42505E-36	1.05515E-31	15
Fgf13	0.403872784	0.425	0.173	3.25123E-18	4.07184E-14	15

Strbp

0.399198763

0.707

0.448

1.27412E-17

1.59571E-13

15