

Title: Complete list of differentially expressed genes in lung DCs following exposure to TCDD on day three post IAV infection

Gene name	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	AHREI	RelBAHRE	AHREII
<i>Ahrr</i>	295.7659525	3.87473947	0.161166828	24.04179273	1.02E-127	1.25E-123	6	0	0
<i>Apol7c</i>	158.0609248	3.476080428	0.20916256	16.61903747	5.07E-62	8.93E-59	0	0	0
<i>Mmp8</i>	697.3845351	2.936803043	0.185746776	15.81078883	2.62E-56	3.59E-53	1	0	0
<i>Kcnj10</i>	579.2939281	2.650153757	0.11872789	22.32124028	2.30E-110	1.42E-106	2	0	0
<i>Cyp1a1</i>	24.97484855	2.4153784	0.248900811	9.704180527	2.89E-22	8.29E-20	14	0	0
<i>Gbp1</i>	327.2453043	2.13205921	0.138252598	15.42147662	1.17E-53	1.45E-50	0	0	0
<i>Rhov</i>	428.8357033	2.05671857	0.12671287	16.23133129	3.03E-59	4.66E-56	1	0	0
<i>Acpp</i>	117.0778045	2.037038541	0.188476521	10.80791669	3.16E-27	1.26E-24	1	0	0
<i>Ifitm1</i>	830.6284366	1.964581494	0.164577427	11.93712608	7.58E-33	4.92E-30	5	0	0
<i>Loxl3</i>	378.0733243	1.918580194	0.149147139	12.86367411	7.21E-38	5.22E-35	9	1	0
<i>Inpp5j</i>	85.44854733	1.785292654	0.185751077	9.61121022	7.17E-22	2.01E-19	2	0	0
<i>GpnmB</i>	27074.43121	1.691767791	0.142489991	11.87288861	1.64E-32	1.01E-29	0	0	0
<i>Notch1</i>	2334.575241	1.653804635	0.091394719	18.09518818	3.48E-73	8.57E-70	2	0	0
<i>Clic5</i>	271.4412558	1.6376103	0.148641537	11.01717821	3.16E-28	1.34E-25	5	0	0
<i>Spint1</i>	6613.921751	1.62114312	0.08790452	18.44209058	6.04E-76	1.86E-72	6	1	0
<i>Mmp27</i>	42.8204237	1.620711636	0.233933668	6.928082017	4.27E-12	3.46E-10	1	0	0
<i>Ptx3</i>	21.88498442	1.612499478	0.24617108	6.550320536	5.74E-11	3.78E-09	2	0	0
<i>Nos2</i>	669.8509778	1.56979133	0.114500528	13.70990477	8.86E-43	7.80E-40	2	0	0
<i>Hic1</i>	604.6982618	1.560131799	0.144483302	10.79800764	3.52E-27	1.35E-24	13	0	0
<i>Adam19</i>	1509.675453	1.546346377	0.111213892	13.90425557	5.97E-44	6.69E-41	5	0	0
<i>Smad6</i>	208.0317761	1.498682472	0.143869006	10.41699333	2.07E-25	6.91E-23	9	0	0
<i>Ecm1</i>	6707.43173	1.454380426	0.12280242	11.84325545	2.33E-32	1.37E-29	3	0	0
<i>Hilpda</i>	752.781051	1.370121918	0.129905794	10.54704243	5.24E-26	1.90E-23	1	0	0
<i>Cysltr2</i>	139.0434417	1.367147375	0.168652687	8.106288741	5.22E-16	7.39E-14	0	0	0
<i>Il12rb1</i>	148.7886323	1.346721524	0.160117075	8.410855136	4.07E-17	6.97E-15	2	0	0
<i>Il1r2</i>	1650.588417	1.345114963	0.098048834	13.71882676	7.83E-43	7.42E-40	1	1	0
<i>Pgf</i>	320.2046292	1.33731349	0.152418074	8.773982354	1.72E-18	3.54E-16	2	0	0
<i>Angpt2</i>	69.02598786	1.313466934	0.221568053	5.928051983	3.07E-09	1.42E-07	2	0	0
<i>Dfna5</i>	90.7459756	1.31087031	0.196845444	6.659388611	2.75E-11	1.95E-09	2	0	0
<i>Dmxl2</i>	2531.706146	1.296288665	0.141117516	9.18588068	4.08E-20	9.32E-18	9	0	0
<i>Pla2g7</i>	15623.45809	1.279788654	0.116142913	11.0190852	3.09E-28	1.34E-25	2	1	0
<i>Insl6</i>	68.3557749	1.270955338	0.213699028	5.947408143	2.72E-09	1.28E-07	2	0	0
<i>Clec4d</i>	1413.162674	1.254658254	0.121701296	10.30932537	6.39E-25	2.07E-22	3	0	0
<i>Ctsl</i>	5498.933629	1.252374525	0.111137261	11.26871861	1.87E-29	9.23E-27	9	0	0

<i>Tex14</i>	154.6078547	1.251547153	0.152774372	8.192127641	2.57E-16	3.90E-14	12	0	0
<i>Lpar1</i>	272.2313837	1.251014314	0.177728986	7.038887367	1.94E-12	1.66E-10	2	0	0
<i>Ido1</i>	22.56108904	1.237825859	0.241807563	5.119053531	3.07E-07	8.54E-06	2	0	0
<i>Cdk18</i>	126.0258534	1.206333959	0.178226564	6.768541853	1.30E-11	9.72E-10	6	0	0
<i>Neol</i>	154.7997222	1.205316029	0.168194191	7.166216749	7.71E-13	7.14E-11	5	0	0
<i>Gpr31c</i>	68.28313984	1.201313704	0.194801802	6.166851096	6.97E-10	3.70E-08	0	0	0
<i>Bai1</i>	50.662108	1.199473041	0.21145329	5.672520114	1.41E-08	5.56E-07	0	0	0
<i>Arhgap19</i>	653.0380835	1.18825148	0.120524674	9.858989393	6.27E-23	1.88E-20	0	0	0
<i>Btn1b</i>	17.53362115	1.182633174	0.248129534	4.766192698	1.88E-06	4.24E-05	2	0	0
<i>Coll1a2</i>	84.27705543	1.178877165	0.2121697	5.556293677	2.76E-08	1.01E-06	8	0	0
<i>Adamts14</i>	1611.067823	1.173294458	0.100758192	11.64465571	2.44E-31	1.37E-28	3	0	0
<i>Prss46</i>	106.635172	1.166781875	0.187322886	6.228720382	4.70E-10	2.63E-08	1	0	0
<i>Htr2b</i>	151.6669666	1.162008084	0.224052462	5.186321423	2.14E-07	6.15E-06	1	0	0
<i>Pf4</i>	210.1548178	1.150174948	0.17071199	6.737517065	1.61E-11	1.18E-09	0	0	0
<i>Hk3</i>	4599.014064	1.141883368	0.12331932	9.259565889	2.05E-20	4.96E-18	1	0	0
<i>Cdk20</i>	218.3629758	1.136930312	0.13491802	8.426823263	3.55E-17	6.17E-15	4	2	0
<i>Fblim1</i>	1911.197087	1.135712767	0.138423143	8.20464515	2.31E-16	3.61E-14	3	0	0
<i>Rcbtb2</i>	985.9720043	1.129058691	0.1024685	11.01859292	3.11E-28	1.34E-25	3	0	0
<i>Tlr12</i>	194.4240459	1.122250669	0.158499416	7.080471952	1.44E-12	1.26E-10	2	1	0
<i>Oplah</i>	107.6814139	1.114267877	0.170238807	6.545322394	5.94E-11	3.87E-09	5	0	0
<i>Ppbp</i>	15.18169127	1.100029544	0.250086231	4.398600991	1.09E-05	0.00020375	2	0	0
<i>Gpr77</i>	408.153269	1.099763298	0.133652439	8.228531423	1.90E-16	2.99E-14	0	0	0
<i>Slc40a1</i>	198.4597125	1.096209901	0.161606752	6.783193688	1.18E-11	8.83E-10	3	0	0
<i>Fcrlb</i>	330.6441772	1.086784421	0.148862714	7.300581791	2.87E-13	2.80E-11	1	0	0
<i>Plekhn1</i>	379.6192259	1.0726758	0.157845962	6.795712622	1.08E-11	8.20E-10	8	0	0
<i>Ifnb1</i>	47.04758447	1.050045899	0.209744724	5.006304226	5.55E-07	1.45E-05	0	0	0
<i>Slc4a11</i>	180.3186209	1.02825312	0.18479584	5.564265517	2.63E-08	9.74E-07	10	0	0
<i>Dpep3</i>	40.08959087	1.027211488	0.225125923	4.562830772	5.05E-06	0.000102298	4	0	0
<i>Plekhg4</i>	60.15967911	1.025261385	0.214674976	4.775877486	1.79E-06	4.07E-05	4	0	0
<i>Sfxn5</i>	251.4359986	1.025258456	0.123384732	8.30944347	9.62E-17	1.58E-14	9	0	0
<i>Dnahc2</i>	147.923446	1.022128263	0.189036535	5.40704084	6.41E-08	2.09E-06	0	0	0
<i>Tm4sf5</i>	121.5661086	1.018570008	0.170246234	5.98292242	2.19E-09	1.05E-07	0	0	0
<i>Fam167a</i>	182.4962486	1.015892716	0.17772333	5.716147193	1.09E-08	4.45E-07	4	0	0
<i>Slpi</i>	557.0924576	1.0151772	0.125546036	8.086095176	6.16E-16	8.63E-14	14	0	0
<i>Cd38</i>	693.7279968	1.005123181	0.204453468	4.916146392	8.83E-07	2.18E-05	1	0	0
<i>Plekha6</i>	56.6788661	1.00301261	0.207953325	4.823258333	1.41E-06	3.29E-05	3	0	0

Tgfb3	71.13056228	1.001466207	0.206135986	4.85827937	1.18E-06	2.82E-05	4	0	0
Ptges	84.37764517	1.00067877	0.181131224	5.524606682	3.30E-08	1.18E-06	5	0	0
Il18bp	2221.194641	1.000451962	0.155290009	6.442474753	1.18E-10	7.32E-09	2	0	0
Htra4	321.9622252	0.997918315	0.143207985	6.968314759	3.21E-12	2.65E-10	3	0	0
Hpgds	829.9779253	0.994860886	0.122308239	8.134046355	4.15E-16	5.95E-14	3	0	0
Clec4a4	76.45755473	0.989716632	0.189605319	5.219877991	1.79E-07	5.20E-06	2	0	0
Dpep2	2013.15453	0.989493687	0.103317366	9.57722528	9.97E-22	2.73E-19	4	0	0
Tmem140	78.18509599	0.97816549	0.191752376	5.101190984	3.38E-07	9.31E-06	2	1	0
Art2b	12.50708729	0.977564076	0.249779477	3.913708557	9.09E-05	0.001218167	1	0	0
Slc9a10	7.54952401	0.973303372	0.238309201	4.084203921	4.42E-05	0.000664717	0	0	0
Sema4b	830.2970267	0.971629246	0.105631792	9.198265285	3.64E-20	8.46E-18	0	0	0
Htra1	55.52744561	0.968333901	0.208486937	4.644578293	3.41E-06	7.17E-05	7	0	0
Gfod1	445.7518864	0.963169861	0.117953812	8.1656527	3.20E-16	4.69E-14	7	0	0
Ptgs2	4785.219289	0.962766746	0.091373851	10.53656748	5.86E-26	2.01E-23	3	0	0
Rgs1	17756.3383	0.962351464	0.087774119	10.96395464	5.70E-28	2.34E-25	0	0	0
Abcc3	1575.362485	0.956644588	0.115848542	8.257717989	1.48E-16	2.38E-14	4	0	0
Cd93	3860.153247	0.953749107	0.133559358	7.141012984	9.26E-13	8.46E-11	0	0	0
Abca1	1964.522554	0.951919393	0.092980438	10.23784584	1.34E-24	4.24E-22	3	0	0
Gadd45a	111.7915961	0.939065868	0.164819099	5.697554922	1.22E-08	4.86E-07	2	0	0
C5ar1	2845.999268	0.937817374	0.16808152	5.579538877	2.41E-08	9.02E-07	5	0	0
Dusp4	501.2238813	0.935436537	0.132093428	7.081628153	1.42E-12	1.25E-10	8	0	0
Bpifc	40.17473411	0.933989327	0.242249705	3.855481789	0.000115502	0.001490519	2	0	0
H2-Q6	6408.765633	0.933604366	0.13073952	7.140949933	9.27E-13	8.46E-11	5	0	0
Cdt1	666.0321456	0.923422894	0.100610479	9.178197954	4.38E-20	9.82E-18	9	0	0
Smox	1963.39449	0.913383334	0.107058407	8.531635768	1.44E-17	2.69E-15	3	0	0
Il28a	8.851224455	0.909227346	0.246808948	3.683931851	0.000229664	0.002690471	0	0	0
Gbp2	7439.730388	0.908971926	0.075539898	12.03300441	2.38E-33	1.63E-30	0	0	0
Zmynd15	1966.92852	0.897733743	0.11587919	7.747152392	9.40E-15	1.12E-12	1	0	0
Tnfrsf26	316.8342061	0.894372088	0.18049728	4.955044691	7.23E-07	1.83E-05	2	0	0
Sdc1	383.2694464	0.894008537	0.151781071	5.890118785	3.86E-09	1.76E-07	1	0	0
Asb2	291.4452843	0.889847337	0.169146988	5.260793267	1.43E-07	4.27E-06	2	0	0
Osgin1	246.2503336	0.886257185	0.159536613	5.555196189	2.77E-08	1.01E-06	5	0	0
Dhfr	600.4518737	0.885683576	0.185799237	4.76688489	1.87E-06	4.23E-05	1	0	0
Pdpn	426.9414296	0.882396429	0.179162285	4.925123767	8.43E-07	2.09E-05	2	0	0
Acp5	4528.08785	0.881344964	0.079968387	11.02116722	3.02E-28	1.34E-25	3	0	0
Amical	1204.89722	0.880052308	0.132423028	6.645764853	3.02E-11	2.11E-09	2	0	0

P2ry2	261.2939107	0.878141164	0.130368958	6.735814863	1.63E-11	1.19E-09	3	0	0
Rnf128	256.2653067	0.876596784	0.158910634	5.516287766	3.46E-08	1.22E-06	1	0	0
Naip1	373.4120232	0.87119408	0.149383221	5.831940662	5.48E-09	2.45E-07	4	0	0
Tmprss4	22.27968299	0.86922987	0.240993395	3.606861794	0.000309923	0.00345968	2	0	0
Nrg1	135.3345824	0.868901091	0.17000879	5.110918624	3.21E-07	8.88E-06	3	0	0
Il7r	4604.99877	0.868867184	0.188418846	4.611360288	4.00E-06	8.29E-05	1	0	0
Stab1	5605.188017	0.868538839	0.108585551	7.998659396	1.26E-15	1.72E-13	3	0	0
Ptgs1	589.6983964	0.866983678	0.150782013	5.749914464	8.93E-09	3.69E-07	4	0	0
D6Mm5e	95.28900684	0.864893081	0.189656809	4.560305985	5.11E-06	0.000103366	0	0	0
Slco3a1	1387.856664	0.863338305	0.112114192	7.700526454	1.36E-14	1.59E-12	0	0	0
Fam84b	426.6571097	0.862956426	0.148562926	5.808693	6.30E-09	2.75E-07	1	0	0
Apol10b	6.025964321	0.858349241	0.230601272	3.722222491	0.000197477	0.002388327	5	0	0
Cacnb4	170.9407997	0.857226104	0.224775788	3.81369414	0.000136905	0.001712909	4	0	0
Nav2	141.1004124	0.85594473	0.149838123	5.712462983	1.11E-08	4.51E-07	5	0	0
Ikbke	1911.423576	0.85503093	0.111740249	7.651951174	1.98E-14	2.24E-12	1	1	0
Dtx4	1918.526075	0.85381785	0.098811711	8.640856862	5.58E-18	1.09E-15	4	0	0
Gbp8	978.63303	0.852506515	0.08945285	9.530233097	1.57E-21	4.17E-19	1	0	0
Btnl5	10.98498814	0.851226869	0.249608527	3.410247551	0.000649039	0.006440227	0	0	0
Nrg4	53.010035	0.848834584	0.225773374	3.759675333	0.000170134	0.002092546	2	0	0
Ms4a8a	929.4721417	0.84803354	0.194250076	4.365679332	1.27E-05	0.000229339	0	1	0
Inhba	1013.95099	0.84705141	0.128147208	6.609987234	3.84E-11	2.59E-09	4	0	0
Slc7a11	1079.14634	0.840416249	0.182239857	4.611594104	4.00E-06	8.29E-05	3	0	0
Acaa1b	29.52775201	0.839489927	0.24888889	3.372950588	0.000743673	0.007193898	5	0	0
Slc26a11	322.1461081	0.838034578	0.119609941	7.006395719	2.45E-12	2.08E-10	9	0	0
Cd200	409.007379	0.833462559	0.15647388	5.326528374	1.00E-07	3.09E-06	1	0	0
Jagl	367.0846855	0.833147926	0.147532616	5.647211758	1.63E-08	6.34E-07	8	1	0
Kctd19	34.27677043	0.830785775	0.224166831	3.706104836	0.000210471	0.002518298	2	0	0
Syng1	457.219951	0.830088176	0.143911905	5.768029939	8.02E-09	3.37E-07	8	0	0
Ms4a7	4229.608055	0.82785842	0.104378738	7.931293595	2.17E-15	2.87E-13	0	0	0
Osbpl3	1435.981723	0.824977467	0.106364467	7.756137821	8.76E-15	1.06E-12	6	0	0
Notch4	129.2224243	0.82453715	0.186356124	4.424524043	9.67E-06	0.000184393	2	1	0
H2-Q4	10145.69218	0.823695446	0.104331631	7.894973377	2.90E-15	3.77E-13	1	0	0
Ppap2b	140.711916	0.822703928	0.19166718	4.292356832	1.77E-05	0.000305142	0	0	0
Slco4a1	78.18224347	0.820565176	0.183542752	4.470703232	7.80E-06	0.00015251	6	0	0
Fcgr4	4375.431688	0.817704914	0.132326997	6.17942621	6.43E-10	3.46E-08	3	0	0
Gbp11	65.87016962	0.816558336	0.21371386	3.820801963	0.000133018	0.001674483	2	0	0

Dapk2	6.291072213	0.816397673	0.231368875	3.528554453	0.000417836	0.004466098	6	0	0
Ccno	8.23158673	0.816157865	0.244986291	3.331443005	0.00086397	0.008159054	6	0	0
Ehd1	3001.056898	0.815593891	0.102486889	7.958031473	1.75E-15	2.37E-13	3	0	0
Slc36a3	58.34756572	0.8154579	0.206970944	3.939963197	8.15E-05	0.001112494	3	0	0
F7	1954.578615	0.813154311	0.120277778	6.76063629	1.37E-11	1.02E-09	1	0	0
Tmem82	23.31330109	0.810692015	0.238987016	3.392201085	0.000693335	0.006813927	4	0	0
Cyp1b1	7.145184389	0.810192277	0.23222241	3.488863449	0.000485079	0.00504482	14	0	0
Gde1	1811.106211	0.809267871	0.095422751	8.480869217	2.24E-17	3.99E-15	0	0	0
Dnase1l3	1295.637866	0.808975276	0.119020775	6.796924956	1.07E-11	8.20E-10	5	1	0
Il10	69.13094189	0.808948963	0.185539025	4.359993602	1.30E-05	0.000234691	3	0	0
Gpr55	165.9525242	0.808642425	0.144935653	5.579320264	2.41E-08	9.02E-07	3	0	0
Lrrc4	42.62816927	0.804745026	0.218157377	3.688827929	0.00022529	0.002653094	6	0	0
Cryba4	74.16198121	0.80395795	0.206398675	3.895170109	9.81E-05	0.001298982	4	0	0
Mafb	8353.391593	0.801209478	0.096508734	8.30193753	1.02E-16	1.66E-14	11	0	0
Arhgap10	497.4487218	0.790564143	0.118051076	6.696797451	2.13E-11	1.53E-09	6	0	0
Tnfrsf8l3	76.22163846	0.789913748	0.204814369	3.856730135	0.000114914	0.001486043	3	0	0
Cdk5rap2	878.8577282	0.789758325	0.100801737	7.834769039	4.70E-15	5.91E-13	2	0	0
Zfp72	39.9992067	0.787889872	0.218954819	3.598413032	0.000320165	0.003551496	1	0	0
AY761185	5.278580939	0.787646751	0.227704353	3.459076388	0.000542031	0.005543562	1	1	0
Angptl4	164.2622307	0.786065909	0.155236627	5.063662637	4.11E-07	1.11E-05	5	0	0
AW112010	3071.64422	0.785550981	0.180905508	4.342327593	1.41E-05	0.000249993	2	0	0
Gbp3	4015.420537	0.780646733	0.10940911	7.135116406	9.67E-13	8.76E-11	2	0	0
Gbp6	1906.913644	0.778503373	0.09100372	8.554632424	1.18E-17	2.28E-15	2	1	0
Srxn1	934.773154	0.777448279	0.102456993	7.588045047	3.25E-14	3.57E-12	7	0	0
Slc43a3	450.2907171	0.777237001	0.177056068	4.389778966	1.13E-05	0.000210007	2	0	0
Cdc42bpg	253.5961375	0.774517338	0.149331838	5.186551968	2.14E-07	6.15E-06	3	0	0
Fpr2	637.66458	0.774243206	0.160696912	4.818034134	1.45E-06	3.36E-05	0	0	0
Batf2	684.1086596	0.76753927	0.120246189	6.38306527	1.74E-10	1.05E-08	8	1	0
Ltc4s	152.513053	0.765259635	0.177006226	4.323348696	1.54E-05	0.000269791	11	0	0
Clqa	14140.39647	0.764391318	0.103070125	7.416225788	1.21E-13	1.22E-11	5	0	0
Gca	666.9099193	0.761328112	0.11216751	6.787420962	1.14E-11	8.63E-10		0	0
Ido2	5.567462838	0.759839827	0.220210133	3.450521636	0.000559504	0.005664962	3	0	0
Rusc2	389.3901556	0.7597359	0.128328546	5.920240845	3.21E-09	1.48E-07	3	0	0
Gbgt1	236.7423944	0.759033625	0.140474479	5.403356034	6.54E-08	2.13E-06	6	0	0
Plexd2	379.940532	0.757629384	0.186734025	4.057264778	4.97E-05	0.000734569	1	0	0
H2-Q8	959.4986242	0.752169951	0.105599345	7.122865664	1.06E-12	9.51E-11	0	0	0

Slc9a3r2	58.95591487	0.750858826	0.220964324	3.398099797	0.000678557	0.006695382	4	1	0
Fnip2	5172.770113	0.748981384	0.141226378	5.303409971	1.14E-07	3.47E-06	3	0	0
Ccdc99	460.4698962	0.748737348	0.142946249	5.237894337	1.62E-07	4.79E-06	0	0	0
Lgmn	38730.56613	0.74787766	0.096038076	7.787303629	6.85E-15	8.44E-13	3	0	0
Por	1922.663609	0.746168778	0.09846179	7.578257296	3.50E-14	3.82E-12	3	0	0
Sema6d	74.11460012	0.743538789	0.206317631	3.603854812	0.000313532	0.003490489	0	1	0
Rilpl2	1210.115147	0.742928371	0.14331351	5.183938151	2.17E-07	6.20E-06	7	0	0
Hmox1	4280.711613	0.741859833	0.138542246	5.354755352	8.57E-08	2.71E-06	2	0	0
Cd274	10478.64133	0.736971168	0.127126467	5.797149758	6.75E-09	2.92E-07	7	1	0
Socs1	374.5998016	0.733144651	0.122520703	5.983843001	2.18E-09	1.05E-07	6	0	0
Hdc	549.9395775	0.731785198	0.124781427	5.864536209	4.50E-09	2.03E-07	6	0	0
Slc6a8	820.9889776	0.731054174	0.177296381	4.123345151	3.73E-05	0.000571664	3	0	0
Hmgcl	1459.527236	0.72828786	0.158176097	4.604285178	4.14E-06	8.54E-05	7	0	0
Rnd1	78.55247139	0.727973659	0.177736645	4.095799493	4.21E-05	0.000636181	5	0	0
Fmnl2	2176.080937	0.727337724	0.112224452	6.48109845	9.11E-11	5.73E-09	4	0	0
Trim6	125.8448106	0.727292598	0.166236108	4.375057917	1.21E-05	0.000221322	5	0	0
Spsb4	102.6523886	0.72512095	0.199447796	3.635642837	0.000277288	0.003161241	5	0	0
Eepd1	803.0230768	0.720277442	0.108830412	6.618347094	3.63E-11	2.47E-09	1	0	0
Csf2rb2	7827.337426	0.718743193	0.102107945	7.039052575	1.94E-12	1.66E-10	1	0	0
Irf1	4746.564363	0.718555131	0.083128257	8.643933572	5.43E-18	1.08E-15	4	0	0
Ggta1	2191.90472	0.718332471	0.091072299	7.887496857	3.08E-15	3.96E-13	3	0	0
Rapgef2	1856.769821	0.71716222	0.105298233	6.810771676	9.71E-12	7.52E-10	0	0	0
Gbp4	2771.83123	0.716314166	0.105008982	6.82145617	9.01E-12	7.07E-10	1	0	0
Mir142	47.82228096	0.714278341	0.214859855	3.324391799	0.000886116	0.008336256	3	0	0
Gdf15	157.8953445	0.712193401	0.141483963	5.033739406	4.81E-07	1.27E-05	4	0	0
Ddit4	786.5692613	0.710250843	0.129427674	5.487627342	4.07E-08	1.41E-06	11	0	0
Galnt7	1405.349261	0.709075209	0.101866949	6.960797576	3.38E-12	2.78E-10	5	0	0
Aoah	1471.270327	0.706706413	0.091879673	7.691651352	1.45E-14	1.67E-12	2	0	0
Ccr1	5972.92386	0.706537533	0.141304832	5.000094653	5.73E-07	1.49E-05	1	0	0
Trim29	207.7366989	0.704034887	0.208748215	3.372651055	0.000744482	0.007196079	4	1	0
Rnf144b	1432.880304	0.703839648	0.13310467	5.287865934	1.24E-07	3.73E-06	2	0	0
Bst1	1855.157638	0.702508761	0.110112596	6.379912819	1.77E-10	1.07E-08	2	0	0
Clqb	16878.70586	0.702056876	0.096009071	7.312401477	2.62E-13	2.59E-11	5	0	0
Wdte1	1276.109789	0.69872048	0.104952566	6.657488276	2.79E-11	1.96E-09	4	0	0
Lpar6	781.7974436	0.695461972	0.122777994	5.664386155	1.48E-08	5.79E-07	3	0	0
Dok1	1332.83259	0.69436317	0.112653994	6.16368	7.11E-10	3.74E-08	5	0	0

Fanca	316.7948796	0.693002838	0.118229405	5.861510005	4.59E-09	2.06E-07	3	0	0
Iigp1	2437.345436	0.69294554	0.168179551	4.120272253	3.78E-05	0.000577192	0	0	0
Isg15	11668.40791	0.69231235	0.122836545	5.636045437	1.74E-08	6.71E-07	3	0	0
Arid5b	1010.359584	0.690680893	0.138189075	4.99808608	5.79E-07	1.50E-05	6	0	0
Vps18	1135.360125	0.686179596	0.109297764	6.278075363	3.43E-10	1.97E-08	4	0	0
Msr1	6743.560498	0.685003877	0.124817987	5.488022133	4.06E-08	1.41E-06	2	0	0
Mylip	820.2066116	0.684846212	0.107191016	6.38902624	1.67E-10	1.03E-08	11	0	0
Lrrc25	3060.762801	0.684151326	0.108770139	6.289881893	3.18E-10	1.84E-08	4	0	0
Kif13b	581.7150722	0.684027241	0.117455547	5.823711675	5.76E-09	2.56E-07	2	1	0
Ang	155.815327	0.681044717	0.154656437	4.403597626	1.06E-05	0.000199717	5	1	0
Gpr141	3369.732219	0.680774642	0.109293475	6.228868106	4.70E-10	2.63E-08	2	0	0
Ncf4	4292.979904	0.680625544	0.099790955	6.820513373	9.07E-12	7.08E-10	5	0	0
Gla	3363.037659	0.680110506	0.121687698	5.588983252	2.28E-08	8.61E-07	3	0	0
Def8	1506.012753	0.676397283	0.093736705	7.215927665	5.36E-13	5.04E-11	5	0	0
Baiap2	629.4867648	0.674466385	0.10317797	6.536922417	6.28E-11	4.05E-09	5	0	0
Tapbp1	1602.545631	0.673764244	0.089225764	7.551229731	4.31E-14	4.66E-12	2	0	0
Trib3	278.3289482	0.671922558	0.158263241	4.245600908	2.18E-05	0.000362094	5	0	0
Hook2	355.7850152	0.671421578	0.122636112	5.474909217	4.38E-08	1.50E-06	7	0	0
Itgb7	3434.640951	0.669794145	0.121688015	5.504191571	3.71E-08	1.30E-06	1	0	0
Slc37a2	2941.841031	0.669302222	0.118150658	5.664820083	1.47E-08	5.79E-07	1	0	0
Ppfibp2	301.2601524	0.669079109	0.126036758	5.308602961	1.10E-07	3.39E-06	7	0	0
Jdp2	598.3397469	0.668341662	0.107670232	6.207302151	5.39E-10	2.97E-08	8	0	0
Itga9	1246.421448	0.664278175	0.123749599	5.36792184	7.96E-08	2.54E-06	4	0	0
Ncapg2	2242.402808	0.663187727	0.141236567	4.695580911	2.66E-06	5.72E-05	4	0	0
Ddit3	1264.525882	0.663070143	0.126132078	5.256950919	1.46E-07	4.35E-06	6	0	0
Tmem37	327.676571	0.662534339	0.152079379	4.356503441	1.32E-05	0.00023742	3	0	0
Lipg	1806.59889	0.661904534	0.170984958	3.87112726	0.000108333	0.001418808	4	0	0
Serpina3f	290.3399803	0.661810899	0.15850908	4.175223895	2.98E-05	0.000469152	0	0	0
AW011738	397.1791111	0.660814504	0.135836915	4.864763774	1.15E-06	2.74E-05	1	0	0
Tm4sf19	162.1382678	0.66033673	0.160619746	4.111180259	3.94E-05	0.000598919	1	0	0
Phlda1	360.234672	0.659543522	0.134198683	4.914679545	8.89E-07	2.19E-05	2	0	0
Cxcl2	4242.687241	0.65761678	0.105365963	6.24126391	4.34E-10	2.47E-08	4	1	0
Ltbp1	145.1189597	0.657504905	0.169576452	3.877336141	0.000105606	0.001386042	3	0	0
Tnfaip2	4154.364959	0.656789561	0.108039572	6.079157354	1.21E-09	6.05E-08	6	0	0
Card11	3678.430504	0.654912882	0.142619809	4.59201907	4.39E-06	9.00E-05	4	0	0
Pde4d	129.7814801	0.654558995	0.175801211	3.723290591	0.000196643	0.002380578	0	0	0

Fam125b	686.2433882	0.653304241	0.128261662	5.093527021	3.51E-07	9.63E-06	0	0	0
Bhlhe41	131.7563652	0.65210206	0.170964694	3.814249851	0.000136597	0.001710797	8	0	0
Ctnn	130.7641429	0.649542872	0.167175568	3.885393533	0.000102164	0.001342295	0	0	0
Irg1	7526.44081	0.649364011	0.161756784	4.01444684	5.96E-05	0.000852558	3	0	0
Plin2	16111.82986	0.648384727	0.122403875	5.297093156	1.18E-07	3.55E-06	5	0	0
Dtnbp1	1278.623189	0.646844154	0.123715055	5.228499913	1.71E-07	4.99E-06	5	0	0
Dnahc17	74.5415854	0.646391766	0.190452615	3.393976848	0.000688855	0.006780712	0	0	0
Prss30	183.5542	0.646246657	0.149719515	4.316382239	1.59E-05	0.000276084	2	0	0
Pik3ap1	10213.17855	0.64553576	0.091266597	7.073078006	1.52E-12	1.32E-10	8	0	0
Oasl1	6799.475196	0.644942374	0.120737842	5.34167549	9.21E-08	2.88E-06	7	0	0
Tnf	2001.377088	0.644537123	0.111418564	5.78482706	7.26E-09	3.10E-07	0	1	0
Fcrl5	124.6638615	0.64227054	0.154003607	4.170490233	3.04E-05	0.000476693	0	0	0
Ceacam16	137.3507823	0.64194263	0.178355666	3.599227575	0.000319164	0.003549977	1	0	0
Cd200r4	1342.30866	0.639352762	0.16737571	3.819865867	0.000133524	0.001677424	0	0	0
Zfp503	92.73805187	0.637708085	0.177978348	3.583065537	0.000339585	0.003736652	6	0	0
Cacna1d	548.7963142	0.635658594	0.113332286	5.608804153	2.04E-08	7.75E-07	3	0	0
Optn	438.3463538	0.634872593	0.124520808	5.09852614	3.42E-07	9.42E-06	5	0	0
Snx24	240.781728	0.634180145	0.132112748	4.800294862	1.58E-06	3.64E-05	3	0	0
Gpr162	426.1373128	0.633833468	0.12090796	5.242280727	1.59E-07	4.70E-06	8	0	0
Fth1	100135.3322	0.632063207	0.099983346	6.321684858	2.59E-10	1.52E-08	6	0	0
Aatk	210.435808	0.631159542	0.168463664	3.746561886	0.000179275	0.002187507	7	1	0
Mafg	651.9527106	0.630745907	0.13641104	4.623862592	3.77E-06	7.84E-05	4	1	0
Sod2	2026.022104	0.62894491	0.107446734	5.853550749	4.81E-09	2.16E-07	5	0	0
Rbm47	1049.194842	0.628296281	0.121755523	5.160310314	2.47E-07	6.94E-06	3	0	0
C1qc	9315.475532	0.627420033	0.098768107	6.352455796	2.12E-10	1.27E-08	8	1	0
Trpm2	695.9102657	0.627123816	0.143858109	4.359321976	1.30E-05	0.000235068	7	0	0
Atf5	378.0719169	0.62516106	0.129261435	4.836408174	1.32E-06	3.10E-05	2	0	0
Zfp821	333.400159	0.624649498	0.133142583	4.691583145	2.71E-06	5.82E-05	2	1	0
Tlr13	7027.749522	0.624021226	0.101748831	6.132957227	8.63E-10	4.49E-08	2	0	0
Sash1	1320.957575	0.621544896	0.111520608	5.5733636	2.50E-08	9.28E-07	0	0	0
Dnmt1	2001.393576	0.621544885	0.101876647	6.100955479	1.05E-09	5.37E-08	5	0	0
Cxcl16	13891.67015	0.615703887	0.098827546	6.230083763	4.66E-10	2.63E-08	1	0	0
Exoc3	1278.361859	0.613491917	0.087684416	6.996590097	2.62E-12	2.21E-10	1	0	0
Ripk3	1040.360544	0.61303086	0.118432028	5.176225297	2.26E-07	6.44E-06	6	1	0
Thbs1	17234.33021	0.612489589	0.139457468	4.391945437	1.12E-05	0.000209137	6	0	0
Rab20	1020.373679	0.61239774	0.092984035	6.586052522	4.52E-11	3.03E-09	9	0	0

Gbp5	2968.015067	0.610921077	0.122240968	4.99767865	5.80E-07	1.50E-05	3	0	0
Rnh1	9874.464925	0.609528839	0.123371245	4.940607028	7.79E-07	1.95E-05	4	0	0
Mxd1	6650.575144	0.608703919	0.121577556	5.006712904	5.54E-07	1.45E-05	2	0	0
D17H6S53E	236.8895789	0.607118983	0.137945226	4.401159809	1.08E-05	0.000201667	6	0	0
P2ry13	1161.399508	0.606455648	0.166328122	3.64614018	0.000266209	0.003060408	6	0	0
Abcb1a	1154.707146	0.606362552	0.137677693	4.404217841	1.06E-05	0.00019945	1	0	0
Aifm2	518.9491575	0.605101503	0.120889431	5.005412797	5.57E-07	1.45E-05	1	0	0
Apo19b	241.6909747	0.604881521	0.156474381	3.865690453	0.000110775	0.001447715	2	1	0
Slc31a2	1842.168594	0.604584265	0.115659091	5.227295656	1.72E-07	5.01E-06	3	1	0
Igsf8	1905.453632	0.6043265	0.121754964	4.963464967	6.92E-07	1.76E-05	1	0	0
Dot11	2050.397668	0.603544492	0.089945143	6.710139875	1.94E-11	1.41E-09	8	0	0
Nisch	2916.616696	0.602417698	0.080889343	7.447429693	9.52E-14	9.77E-12	6	0	0
Neat1	5656.152096	0.601726991	0.12758609	4.716242907	2.40E-06	5.23E-05	9	0	0
Blvrb	438.0693441	0.601687378	0.15956053	3.770903616	0.000162657	0.002006598	18	0	0
Slc3a2	9227.85964	0.601492197	0.098029239	6.13584478	8.47E-10	4.42E-08	3	0	0
Ceacam19	114.4540168	0.601132298	0.166108147	3.618921231	0.000295834	0.00333564	6	0	0
Gab1	340.4870032	0.600639844	0.135933104	4.418642889	9.93E-06	0.000188316	5	0	2
Nr1h3	2086.900518	0.600497132	0.111268173	5.396845435	6.78E-08	2.20E-06	1	0	0
Ly6a	17305.30159	0.599306158	0.131509097	4.557146028	5.19E-06	0.000104589	0	0	0
Pdlim7	1033.899897	0.598891599	0.096227987	6.223673764	4.86E-10	2.71E-08	1	1	0
Palm	654.671252	0.594721344	0.160917217	3.695821721	0.000219177	0.002592259	1	0	0
Atg13	1524.057358	0.594665477	0.111338851	5.341041998	9.24E-08	2.88E-06	5	0	0
Prrg2	258.6277356	0.590023263	0.125769586	4.691303198	2.71E-06	5.82E-05	1	1	0
Aprt	1400.607898	0.586346664	0.138931022	4.220415672	2.44E-05	0.000397518	5	0	0
Uap111	1795.997148	0.586183055	0.141285575	4.148923574	3.34E-05	0.000517829	5	0	0
Entpd4	269.9072572	-0.584920871	0.127877853	-4.574059215	4.78E-06	9.74E-05	4	0	0
Sft2d2	1985.38411	-0.586450501	0.092997801	-6.306068474	2.86E-10	1.66E-08	3	0	0
H2-Aa	55782.43822	-0.58671403	0.085490194	-6.862939505	6.75E-12	5.33E-10	2	0	0
Dhdh	185.4462714	-0.587893198	0.140526277	-4.183510794	2.87E-05	0.000454108	4	0	0
Ckb	1615.996873	-0.588541667	0.140045298	-4.202509297	2.64E-05	0.000423166	1	0	0
Sgms1	473.7864397	-0.589579626	0.138804609	-4.247550782	2.16E-05	0.000359442	2	0	0
Fry	256.9587796	-0.591811491	0.136970022	-4.320737356	1.56E-05	0.000271807	7	1	0
Nfix	296.4127884	-0.593789556	0.117423749	-5.056809716	4.26E-07	1.14E-05	13	0	0
Gatm	2289.272368	-0.593801454	0.096236456	-6.170234009	6.82E-10	3.64E-08	1	1	0
Atrnl1	797.4740058	-0.595044666	0.103471211	-5.750823445	8.88E-09	3.69E-07	6	0	0
Mycbp	101.0734156	-0.595877076	0.165204316	-3.606909845	0.000309865	0.00345968	1	0	0

Dpp4	1675.066563	-0.59710074	0.117892382	-5.064794931	4.09E-07	1.10E-05	1	0	0
Llcam	431.1989623	-0.598310412	0.130359231	-4.589704978	4.44E-06	9.09E-05	2	1	0
Actn1	605.8244606	-0.599844302	0.155739808	-3.851579836	0.000117358	0.001506587	5	0	0
Kmo	1896.29937	-0.601706271	0.101179196	-5.946936699	2.73E-09	1.28E-07	2	0	0
Aplp2	3269.958751	-0.602091044	0.081577555	-7.38059684	1.58E-13	1.58E-11	6	0	0
Ccdc88a	1380.351471	-0.603798766	0.127793144	-4.724813449	2.30E-06	5.07E-05	3	0	0
Zc3h7b	410.5858429	-0.605233182	0.138452908	-4.371401009	1.23E-05	0.000223738	3	0	0
Galnt3	137.5660316	-0.60638488	0.149601453	-4.053335497	5.05E-05	0.000745233	4	0	0
Dkc1	369.258648	-0.606665353	0.119750356	-5.066083928	4.06E-07	1.10E-05	2	0	0
Arhgap21	191.6896159	-0.60742424	0.144275945	-4.210156034	2.55E-05	0.000412732	2	0	0
Cyp51	834.5769334	-0.608085231	0.115283382	-5.274699779	1.33E-07	3.97E-06	2	0	0
Dgkg	108.9597497	-0.608619699	0.173793485	-3.501970741	0.00046183	0.004848038	3	0	0
Bend4	128.3152902	-0.609663587	0.154680137	-3.941447153	8.10E-05	0.001109043	3	0	0
Ikzf3	78.56304942	-0.609957375	0.179921776	-3.390125356	0.000698607	0.006849138	5	0	0
Syngn2	5744.241305	-0.613050112	0.093742443	-6.539728377	6.16E-11	4.00E-09	4	0	0
Cd7	219.7302825	-0.614659514	0.138584928	-4.435255141	9.20E-06	0.000176287	4	0	0
Padi2	700.7799717	-0.614789783	0.10666341	-5.763830189	8.22E-09	3.44E-07	5	1	0
Crip1	2965.230487	-0.616548495	0.166514538	-3.702670665	0.000213342	0.002537861	6	1	0
Fam65b	224.1406776	-0.617531689	0.160088364	-3.857442692	0.00011458	0.001484835	1	0	0
Vrk1	1233.376524	-0.618665424	0.122022041	-5.070112092	3.98E-07	1.08E-05	4	0	0
Mmachc	78.94249382	-0.619235277	0.181204835	-3.417322041	0.000632404	0.006307817	4	0	0
Ptpn4	133.4585066	-0.619492911	0.150090639	-4.127458689	3.67E-05	0.000563638	1	0	0
Slc1a5	1059.647566	-0.62027161	0.107190138	-5.78664811	7.18E-09	3.08E-07	10	0	0
Vcl	705.5642158	-0.622106619	0.102028151	-6.097401644	1.08E-09	5.47E-08	0	0	0
Zfp422	125.9754035	-0.623291348	0.15427285	-4.040188199	5.34E-05	0.000779202	1	0	0
Gna14	123.3579325	-0.627082397	0.159161855	-3.939903789	8.15E-05	0.001112494	2	0	0
Slc39a10	702.3825375	-0.627277119	0.113633767	-5.520164791	3.39E-08	1.20E-06	2	0	0
Abi2	153.4740758	-0.62761515	0.160854592	-3.901754633	9.55E-05	0.001270968	5	0	0
Spns3	82.29000412	-0.628821356	0.189869486	-3.31186106	0.000926776	0.008652714	2	0	0
Anp32e	1243.656255	-0.630494836	0.11559031	-5.454564803	4.91E-08	1.67E-06	5	0	0
Mob3b	359.8377401	-0.631177977	0.119479891	-5.282713027	1.27E-07	3.82E-06	4	0	0
Taf4b	110.1469002	-0.631872187	0.167812182	-3.765353513	0.000166314	0.002049649	5	0	0
Ap1s3	200.0362096	-0.632989838	0.144557163	-4.378820283	1.19E-05	0.000218704	3	0	0
Itga4	3928.587151	-0.634673934	0.116430027	-5.451118994	5.01E-08	1.68E-06	6	0	0
Gpr183	704.5713045	-0.636187072	0.103851186	-6.125949028	9.01E-10	4.65E-08	2	0	0
Pvr1l	298.4291456	-0.637092105	0.123164004	-5.172713504	2.31E-07	6.54E-06	3	0	0

Cst3	10864.75146	-0.637694841	0.081579852	-7.816817852	5.42E-15	6.74E-13	0	0	0
Ank	943.5020264	-0.638239806	0.106889871	-5.971003628	2.36E-09	1.11E-07	6	0	0
Ak3	363.3798319	-0.639541481	0.131156902	-4.876155751	1.08E-06	2.60E-05	6	0	0
St6galnac4	787.8527496	-0.639675647	0.104021838	-6.149436128	7.78E-10	4.08E-08	3	0	0
Lpl	5006.8868	-0.640885582	0.13810197	-4.640669384	3.47E-06	7.27E-05	4	0	0
Foxp1	876.2608119	-0.641253824	0.115432463	-5.555229486	2.77E-08	1.01E-06	4	0	0
Pcyox11	59.04118179	-0.64172323	0.191145739	-3.35724581	0.000787231	0.007544194	5	0	0
Cbfa2t3	2140.157015	-0.642049611	0.106375297	-6.035702162	1.58E-09	7.77E-08	4	0	0
Mmp12	966.8187472	-0.642058402	0.142437509	-4.507649761	6.55E-06	0.000130296	2	0	0
Nup210	930.847937	-0.64262891	0.118796922	-5.409474392	6.32E-08	2.07E-06	5	1	0
Tpk1	83.38804435	-0.647111654	0.186638941	-3.467184552	0.000525941	0.005399428	1	0	0
Bri3bp	586.3747314	-0.647133103	0.139160699	-4.650257624	3.32E-06	7.00E-05	5	0	0
Ppp1r16b	138.3195332	-0.648715429	0.172924699	-3.751433031	0.000175827	0.002151826	1	0	0
Tmem64	194.9948867	-0.649647281	0.179113979	-3.627004909	0.000286728	0.00325292	7	0	0
Gabbr1	76.99890206	-0.650906548	0.19038145	-3.418959926	0.00062861	0.006277948	2	0	0
Timp2	1041.469967	-0.651988317	0.097693182	-6.673836436	2.49E-11	1.78E-09	5	0	0
Clec9a	251.7949816	-0.652228713	0.147458087	-4.42314644	9.73E-06	0.000185	1	0	0
Cxcr3	92.03015942	-0.65259599	0.177055048	-3.685836677	0.000227953	0.002676266	2	0	0
Tspan2	127.5422542	-0.656155827	0.16399265	-4.001129481	6.30E-05	0.000891981	3	0	0
Rasgrp1	1937.489851	-0.657947177	0.095182706	-6.912465536	4.76E-12	3.84E-10	3	0	0
Card10	74.03577852	-0.659724864	0.185403626	-3.558316946	0.000373239	0.004059836	6	0	0
Eno3	326.1343045	-0.66010073	0.154690721	-4.267228982	1.98E-05	0.000333668	13	0	0
Timp1	106.2667577	-0.661633204	0.160129528	-4.131862567	3.60E-05	0.000554327	2	1	0
Rtn1	228.7083959	-0.662373187	0.13638879	-4.856507541	1.19E-06	2.84E-05	1	0	0
Cfh	580.3027677	-0.662663314	0.142286922	-4.657232775	3.20E-06	6.81E-05	3	0	0
Add3	1013.928201	-0.663036405	0.104443787	-6.34826087	2.18E-10	1.29E-08	3	0	0
P2ry10	727.3452455	-0.665795996	0.116300901	-5.724770766	1.04E-08	4.25E-07	1	0	0
Ddr1	494.3009728	-0.665845219	0.13724018	-4.851678408	1.22E-06	2.90E-05	1	0	0
Clec7a	19902.78793	-0.665988347	0.126141928	-5.279674715	1.29E-07	3.87E-06	3	0	0
Dnajb13	89.11029508	-0.667609651	0.173544583	-3.846905739	0.000119619	0.001527652	3	0	0
Il1rl2	196.4905961	-0.671005733	0.135965573	-4.935114948	8.01E-07	2.00E-05	2	0	0
Trim16	98.84548315	-0.672939648	0.16619178	-4.04917528	5.14E-05	0.000755888	4	0	0
Mycl1	186.5396534	-0.672985755	0.156096125	-4.311354648	1.62E-05	0.000281642	0	0	0
D18Ert653e	102.8241319	-0.674469484	0.171262919	-3.938210848	8.21E-05	0.001117895	0	0	0
Abca9	693.8052398	-0.677119355	0.124331657	-5.44607362	5.15E-08	1.72E-06	0	0	0
Mrc1	3687.028288	-0.677400508	0.137521481	-4.925779619	8.40E-07	2.09E-05	2	0	0

Limk1	359.6560806	-0.677440133	0.123485401	-5.485993691	4.11E-08	1.42E-06	9	2	0
Sulf2	2708.385452	-0.677492412	0.095307227	-7.108510379	1.17E-12	1.04E-10	4	0	0
Nt5c3l	95.47572077	-0.677650803	0.172031054	-3.939119045	8.18E-05	0.001114904	0	0	0
Racgap1	155.4106944	-0.678847942	0.196487568	-3.454915497	0.000550465	0.005611195	5	0	0
Tuba1a	478.8284042	-0.678943325	0.121383975	-5.593352216	2.23E-08	8.45E-07	4	0	0
H2-DMb1	5541.479261	-0.680955859	0.094041147	-7.241041576	4.45E-13	4.25E-11	3	0	0
Opn3	78.62532316	-0.681318577	0.189319639	-3.598773911	0.000319721	0.003551496	3	0	0
Peg13	168.4915531	-0.682683928	0.155487218	-4.390611234	1.13E-05	0.000209791	5	0	0
Top2a	292.412044	-0.683235402	0.177920343	-3.840119634	0.000122974	0.001564021	4	0	0
Tmem141	91.92820981	-0.683245004	0.173213005	-3.944536395	8.00E-05	0.001096062	2	0	0
Trem14	761.9319204	-0.685117951	0.121471371	-5.640159844	1.70E-08	6.58E-07	0	1	0
Nfe2	114.1800094	-0.688644713	0.15721038	-4.380402325	1.18E-05	0.000217572	4	0	0
Mfge8	185.8253282	-0.689546566	0.155118435	-4.445290904	8.78E-06	0.000169282	7	0	0
Mtap	315.6461873	-0.691089278	0.119444058	-5.785882459	7.21E-09	3.09E-07	0	0	0
Fam129a	1921.335435	-0.692027273	0.109622716	-6.312809066	2.74E-10	1.60E-08	0	0	0
Fh1	1213.055608	-0.694479525	0.119465847	-5.813205556	6.13E-09	2.69E-07	6	0	0
Sgpp1	971.5123144	-0.694686106	0.137832911	-5.040059744	4.65E-07	1.24E-05	5	0	0
Fads2	51.32180178	-0.694768154	0.199861786	-3.476243103	0.000508491	0.005243738	0	0	0
S100a10	1675.498412	-0.694948813	0.079647722	-8.725281779	2.66E-18	5.36E-16	2	0	0
Ccr2	18199.17925	-0.696606811	0.120133002	-5.79862986	6.69E-09	2.90E-07	1	1	0
Lta4h	1111.343007	-0.697015214	0.0927931	-7.511498328	5.85E-14	6.11E-12	1	0	0
Pdcd4	266.7497523	-0.6977876	0.147782826	-4.72170968	2.34E-06	5.14E-05	3	0	0
Srgap3	342.2548702	-0.699963532	0.121625068	-5.755092614	8.66E-09	3.61E-07	2	0	0
Fmo5	70.88196644	-0.700398197	0.181919753	-3.850039283	0.000118099	0.001512942	3	1	0
Slc25a13	139.5389345	-0.70140116	0.160048585	-4.382426495	1.17E-05	0.000215881	3	0	0
Clstn1	62.18083689	-0.707245828	0.196896017	-3.591976298	0.00032818	0.003620848	5	0	0
Nhsl2	262.2841233	-0.707535872	0.149651614	-4.727886669	2.27E-06	5.00E-05	2	0	0
Scd2	879.211612	-0.707629104	0.101299134	-6.985539521	2.84E-12	2.38E-10	6	0	0
Mfsd6	512.2820678	-0.710481023	0.114933472	-6.181672002	6.34E-10	3.43E-08	2	0	0
Akap1	68.04939965	-0.7141139	0.202647993	-3.523913007	0.000425224	0.004536536	9	0	0
Fabp4	115.2797845	-0.714303433	0.18628625	-3.834439909	0.000125851	0.001591581	0	0	0
Adcy9	61.79342542	-0.716276375	0.189812163	-3.773606301	0.000160905	0.001986962	2	4	0
Slc2a3	130.1164793	-0.71641252	0.160273558	-4.469935842	7.82E-06	0.000152816	6	0	0
Rem1	39.17653753	-0.716636249	0.216303815	-3.313100372	0.000922679	0.008620994	3	0	0
Ccl6	7259.732071	-0.717178041	0.175903346	-4.077114262	4.56E-05	0.000682808	3	0	0
Tspan33	133.094898	-0.720511849	0.165421523	-4.355611271	1.33E-05	0.000237696	4	0	0

Cldn1	130.3069648	-0.721996701	0.203022665	-3.556236944	0.000376205	0.004081292	1	0	0
Snx22	62.94977624	-0.725682729	0.195166307	-3.718278735	0.000200585	0.002418795	2	0	0
Gria3	78.81039149	-0.725724411	0.18831068	-3.853867502	0.000116267	0.001497251	3	0	0
Tmcc2	152.6602774	-0.728036208	0.147394153	-4.939383224	7.84E-07	1.96E-05	4	0	0
Cenpe	83.09293512	-0.730442794	0.186674061	-3.912931393	9.12E-05	0.001220122	3	0	0
Arsb	538.2798907	-0.730739474	0.130828241	-5.585487253	2.33E-08	8.76E-07	3	0	0
Cp	89.13163706	-0.733489152	0.174332939	-4.207404273	2.58E-05	0.000415606	1	0	0
Cyp2ab1	76.06028258	-0.74302968	0.187286559	-3.967341194	7.27E-05	0.001008665	4	0	0
Cd97	5850.912884	-0.743049128	0.095548781	-7.776646842	7.45E-15	9.09E-13	0	0	0
Mcf2l	66.10690107	-0.744097532	0.212735072	-3.497766146	0.000469172	0.004920919	7	0	0
St8sial	174.6529599	-0.745321123	0.138954009	-5.363797205	8.15E-08	2.58E-06	9	1	0
Tpcn1	863.242285	-0.746769986	0.098000234	-7.620083725	2.54E-14	2.81E-12	9	0	0
Hopx	200.0181004	-0.747177374	0.13489588	-5.53891916	3.04E-08	1.10E-06	2	0	0
Csda	906.8364416	-0.748370449	0.100043314	-7.480464375	7.41E-14	7.67E-12	0	0	0
Mfng	314.1723134	-0.749203295	0.169878004	-4.410243101	1.03E-05	0.00019517	6	0	0
Dock1	395.4425919	-0.749485484	0.120835139	-6.202545802	5.56E-10	3.04E-08	6	0	0
Gpr126	141.5275635	-0.750603289	0.1862297	-4.030524067	5.57E-05	0.000806898	0	0	0
Atp2a3	712.9768114	-0.755283069	0.116349312	-6.491512969	8.50E-11	5.37E-09	0	0	0
Cd300lg	135.7570933	-0.755793753	0.155018751	-4.875498928	1.09E-06	2.60E-05	6	0	0
Vash1	69.56962024	-0.755884715	0.220050364	-3.435053245	0.000592437	0.005940764	4	1	0
Psat1	184.4138304	-0.755941309	0.166709919	-4.534471088	5.77E-06	0.000115721	3	1	0
Emr4	1726.538642	-0.756759786	0.132728125	-5.701578222	1.19E-08	4.78E-07	0	0	0
Neur11b	188.9343219	-0.758052891	0.14230314	-5.327028555	9.98E-08	3.09E-06	3	0	0
Prkag2	286.1838486	-0.758383289	0.118704972	-6.388808106	1.67E-10	1.03E-08	12	1	0
Fam101b	39.92654033	-0.760304608	0.222984106	-3.409680721	0.00065039	0.006448433	3	0	0
O3far1	93.11981743	-0.761321928	0.180907223	-4.208355611	2.57E-05	0.000414402	0	0	0
Map3k6	90.81769397	-0.762834275	0.1724925	-4.42241997	9.76E-06	0.000185338	4	0	0
Slc27a3	54.9793274	-0.764407707	0.228703473	-3.34235286	0.000830714	0.00792393	3	0	0
Enah	26.13598212	-0.769531096	0.234304485	-3.284320808	0.001022285	0.009458437	9	0	0
Hc	6.335916982	-0.769703659	0.235430909	-3.269339883	0.001077987	0.009892119	0	0	0
Kit	228.6972769	-0.771203291	0.126999704	-6.072480996	1.26E-09	6.28E-08	3	0	0
Sfxn1	321.0539817	-0.773270223	0.116603466	-6.631622949	3.32E-11	2.29E-09	4	0	0
Arap2	124.0869408	-0.774352183	0.173759074	-4.456470471	8.33E-06	0.000162217	1	0	0
Fgfr1	496.4599735	-0.775304521	0.158357833	-4.895902553	9.79E-07	2.38E-05	3	0	0
Plekha5	132.2210633	-0.776631029	0.16492024	-4.709131087	2.49E-06	5.38E-05	2	0	0
Arhgef40	242.6420954	-0.776844037	0.175457302	-4.427538939	9.53E-06	0.0001824	4	0	0

Lrba	251.1952072	-0.77933572	0.147102979	-5.297892149	1.17E-07	3.55E-06	4	0	0
Rfx2	111.3720783	-0.78109123	0.164624852	-4.744673851	2.09E-06	4.67E-05	5	0	0
Pglyrp1	64.14213534	-0.781321611	0.187724319	-4.16206923	3.15E-05	0.000490745	1	0	0
Ccna2	68.34095911	-0.782267775	0.21020571	-3.721439222	0.000198091	0.0023934	1	1	0
Map2k6	38.85120425	-0.782346088	0.218660676	-3.577900246	0.000346366	0.003804465	3	0	0
Rnf150	210.3738012	-0.783272149	0.155929146	-5.023256828	5.08E-07	1.34E-05	3	0	0
Stk39	206.490214	-0.785333322	0.141674662	-5.543216496	2.97E-08	1.08E-06	4	0	0
S1pr5	106.8371004	-0.785567162	0.179409659	-4.37862246	1.19E-05	0.000218704	1	0	0
Heg1	162.005306	-0.788167452	0.162222695	-4.858552339	1.18E-06	2.82E-05	2	1	0
Crip2	54.64716926	-0.790572269	0.213364632	-3.705263893	0.000211171	0.002524218	1	0	0
Ccl9	4218.482457	-0.790694164	0.146040987	-5.414193498	6.16E-08	2.02E-06	1	0	0
Slc25a4	435.0892081	-0.790842949	0.152523442	-5.185058374	2.16E-07	6.17E-06	3	0	0
Slc25a23	32.59648717	-0.792836648	0.234447528	-3.381723217	0.000720327	0.007006557	8	1	0
Col27a1	44.5930234	-0.793546699	0.209627583	-3.78550708	0.000153395	0.001899945	2	0	0
Gpr85	48.70273325	-0.794920619	0.20606237	-3.857669986	0.000114473	0.001484835	3	0	0
Il27ra	90.53183822	-0.795818849	0.171430672	-4.642219744	3.45E-06	7.24E-05	6	0	0
Zeb1	169.076031	-0.797241316	0.142648482	-5.588852436	2.29E-08	8.61E-07	3	0	0
Slc22a21	32.84880426	-0.798735885	0.227098275	-3.51713761	0.000436228	0.004622587	3	1	0
Clec12a	2817.031922	-0.798904893	0.097462398	-8.197057628	2.46E-16	3.79E-14	3	1	0
Ube2c	25.87506991	-0.799459985	0.236148144	-3.385417184	0.000710702	0.006933947	6	1	0
Thbs3	41.93519814	-0.800893162	0.220910449	-3.625420014	0.000288492	0.00326481	2	0	0
Clec10a	569.1652362	-0.801834083	0.147074151	-5.451903538	4.98E-08	1.68E-06	2	0	0
Rras2	187.0560254	-0.802197198	0.147426064	-5.441352616	5.29E-08	1.77E-06	4	0	0
Siglecg	307.7757347	-0.802547012	0.132745964	-6.045735692	1.49E-09	7.36E-08	2	0	0
Hr	244.5426712	-0.803065505	0.187126682	-4.29156064	1.77E-05	0.000305811	5	0	0
Suclg2	125.6078452	-0.806251812	0.156397379	-5.15514914	2.53E-07	7.11E-06	5	0	0
Dhcr24	468.7860246	-0.806267813	0.148441889	-5.431538343	5.59E-08	1.85E-06	4	0	0
Tbc1d19	35.85453343	-0.808636079	0.223042633	-3.625477636	0.000288428	0.00326481	2	0	0
Gstk1	45.69564746	-0.810057939	0.21391407	-3.786838048	0.000152576	0.001891703	3	0	0
Sbk1	308.576198	-0.81505617	0.121641772	-6.700462789	2.08E-11	1.50E-09	5	0	0
Zbtb46	194.7094674	-0.815172958	0.188081804	-4.334140474	1.46E-05	0.000258735	3	0	0
St6gal1	275.778737	-0.816162812	0.153475631	-5.317865827	1.05E-07	3.23E-06	1	0	0
Prr15	25.57140316	-0.821776313	0.24454686	-3.360404271	0.000778285	0.007464268	1	0	0
March3	49.28577525	-0.822072202	0.211147115	-3.893362228	9.89E-05	0.001304501	4	0	0
Klri2	75.74629968	-0.826352239	0.195103752	-4.23545027	2.28E-05	0.000375305	0	0	0
Shcbp1	18.51743243	-0.827166407	0.249509842	-3.315165444	0.000915889	0.008583586	0	1	0

Il28ra	108.3322713	-0.827421396	0.184599033	-4.482262903	7.39E-06	0.000145399	0	0	0
Gprc5c	126.5351301	-0.828824509	0.166023642	-4.992207728	5.97E-07	1.54E-05	3	0	0
H2-Ob	346.3487099	-0.829463808	0.158400527	-5.236496523	1.64E-07	4.81E-06	2	0	0
Fnbp11	396.7625865	-0.832289558	0.115240587	-7.222191238	5.12E-13	4.85E-11	5	0	0
Phf19	41.1073327	-0.834645303	0.225391462	-3.703091921	0.000212988	0.002537861	4	0	0
Il1rap	434.0762545	-0.835164122	0.127546675	-6.547909785	5.83E-11	3.82E-09	6	0	0
Aldh1a2	223.6344301	-0.835173197	0.187848729	-4.445988004	8.75E-06	0.000168999	4	0	0
Sgol1	11.66792735	-0.844720339	0.250074086	-3.377880339	0.000730469	0.007094007	3	0	0
Slc46a3	340.6749213	-0.8455046	0.156321972	-5.408738071	6.35E-08	2.07E-06	3	0	0
Pdcd1	31.89443005	-0.846209475	0.233429198	-3.625122654	0.000288824	0.00326557	4	0	0
Clec1a	16.12043422	-0.846231812	0.249257366	-3.395012246	0.000686255	0.00676052	0	0	0
Pros1	654.8514801	-0.847081241	0.13814304	-6.131914001	8.68E-10	4.50E-08	1	0	0
Arhgef6	1647.037756	-0.847323885	0.099455168	-8.519656644	1.60E-17	2.94E-15	1	0	0
Qpct	622.3169697	-0.850132655	0.117200965	-7.253631841	4.06E-13	3.91E-11	2	0	0
Marveld1	323.2581745	-0.850410683	0.143802489	-5.913741038	3.34E-09	1.54E-07	2	0	0
Mmp28	11.2196487	-0.851911275	0.249942753	-3.408425593	0.000653389	0.006470706	1	0	0
Asgr2	16.47403768	-0.853119156	0.247876053	-3.441716726	0.000578035	0.005820021	6	0	0
Tmem176b	2852.400687	-0.854709079	0.102668389	-8.324948758	8.44E-17	1.41E-14	2	0	0
Synpo	113.1666026	-0.854879992	0.194858107	-4.38719232	1.15E-05	0.000212156	1	0	0
Spire1	243.9557115	-0.856467985	0.143335295	-5.975276252	2.30E-09	1.09E-07	1	0	0
Taf9b	62.9139482	-0.859948376	0.202239923	-4.252119776	2.12E-05	0.00035506	5	0	0
Dtl	35.83724658	-0.86492693	0.23165287	-3.733719904	0.000188672	0.002293094	1	0	0
H2-DMb2	307.9296644	-0.865116781	0.131776475	-6.565032055	5.20E-11	3.47E-09	4	0	0
Lpar3	14.55308843	-0.865213421	0.249899758	-3.462241935	0.000535695	0.005483314	4	0	0
Nav1	1154.604295	-0.867715578	0.092032027	-9.428408852	4.16E-21	1.05E-18	0	0	0
St8sia6	58.42472885	-0.869169153	0.216614609	-4.012514009	6.01E-05	0.000857903	4	0	0
Gng10	1182.914114	-0.869248548	0.095858422	-9.068045618	1.21E-19	2.67E-17	6	0	0
Clec2i	182.9395897	-0.869875395	0.148265922	-5.86699482	4.44E-09	2.01E-07	0	0	0
Tmem176a	1099.144054	-0.872429238	0.115587325	-7.547793304	4.43E-14	4.74E-12	5	1	0
Ltbp3	78.71343624	-0.873166747	0.186517012	-4.681432217	2.85E-06	6.07E-05	2	0	0
Zfyve9	130.6442218	-0.873397243	0.155105583	-5.630985199	1.79E-08	6.88E-07	3	2	0
Serpinf1	15.53476148	-0.875471284	0.248884843	-3.517575732	0.000435508	0.004618934	5	0	0
Cyp2s1	47.71674821	-0.880153561	0.234439141	-3.754294423	0.00017383	0.002131628	3	0	0
Gtf2ird1	46.65210684	-0.880302998	0.214252905	-4.108709745	3.98E-05	0.000604614	3	0	0
Fam149a	44.25979764	-0.880362627	0.229580542	-3.834656972	0.00012574	0.001591581	1	0	0
Uck2	297.0012941	-0.888664947	0.155885813	-5.70074295	1.19E-08	4.79E-07	4	0	0

Ptchd1	92.09840688	-0.890044019	0.183199846	-4.858322971	1.18E-06	2.82E-05	5	0	0
Ccl8	119.9979284	-0.896814262	0.158735031	-5.649756423	1.61E-08	6.27E-07	0	0	0
Dok2	838.7294883	-0.898230367	0.105101299	-8.54632983	1.27E-17	2.41E-15	0	1	0
Scnn1a	44.49979902	-0.901944275	0.214462968	-4.205594492	2.60E-05	0.0004184	3	0	0
Kif11	79.36763005	-0.902950958	0.206343486	-4.375960559	1.21E-05	0.000220734	2	0	0
Itga8	34.28447112	-0.912871397	0.224833557	-4.060209734	4.90E-05	0.000727987	3	0	0
Capn5	174.1048057	-0.918828657	0.157838323	-5.82132806	5.84E-09	2.58E-07	3	0	0
Arhgef10	193.3905008	-0.92024872	0.141675218	-6.495481244	8.28E-11	5.26E-09	6	2	0
Bmyc	107.9432302	-0.920461028	0.198599296	-4.634764811	3.57E-06	7.45E-05	1	0	0
Arg1	2451.371222	-0.924340109	0.169101297	-5.466191727	4.60E-08	1.57E-06	1	0	0
Prps2	362.8102608	-0.933577257	0.114325004	-8.165993667	3.19E-16	4.69E-14	1	0	0
Ffar2	198.6348897	-0.934601601	0.146181771	-6.393420987	1.62E-10	1.00E-08	6	0	0
Irf4	694.5423433	-0.937574332	0.122646966	-7.644496729	2.10E-14	2.35E-12	5	1	0
Hs3st3b1	123.2398233	-0.938492075	0.175947479	-5.33393306	9.61E-08	2.99E-06	4	0	0
Tnip3	299.425267	-0.94227958	0.1286541	-7.324131756	2.40E-13	2.39E-11	2	0	0
Nat8l	69.85318917	-0.94942266	0.18771573	-5.057768268	4.24E-07	1.14E-05	2	0	0
Bcl11a	242.0338749	-0.95067572	0.136881006	-6.945271274	3.78E-12	3.08E-10	11	0	0
Fcrls	636.8288451	-0.951903309	0.178834589	-5.322814321	1.02E-07	3.15E-06	2	0	0
Dlg3	80.20193918	-0.958654969	0.189627347	-5.055467904	4.29E-07	1.15E-05	4	0	0
Tbc1d16	379.1766094	-0.963112435	0.168313215	-5.722143902	1.05E-08	4.31E-07	10	0	0
Spns2	34.15418894	-0.96391521	0.229965095	-4.191571804	2.77E-05	0.00044041	5	1	0
Hbegf	122.44954	-0.965129541	0.179517229	-5.376250226	7.61E-08	2.44E-06	5	0	0
Fgf13	7.279960361	-0.966525403	0.240245125	-4.023080199	5.74E-05	0.000829911	1	0	0
Cish	612.3041435	-0.968989011	0.122706316	-7.896814484	2.86E-15	3.75E-13	2	0	0
Rarg	398.6880896	-0.974271072	0.123699395	-7.87611832	3.38E-15	4.29E-13	5	0	0
Pdlim1	263.8004828	-0.987520354	0.145317027	-6.795627286	1.08E-11	8.20E-10	5	0	0
Abcg3	598.7957567	-0.989340693	0.117830039	-8.396336772	4.61E-17	7.78E-15	4	0	0
Abcb4	28.60076759	-0.993244342	0.229939416	-4.319591471	1.56E-05	0.000272485	1	0	0
Cd226	139.4930355	-0.994824394	0.232454608	-4.279650128	1.87E-05	0.000319515	2	0	0
Tiam2	118.2030474	-0.996088772	0.198910975	-5.007711462	5.51E-07	1.44E-05	11	0	0
Ceacam1	428.052061	-1.000127086	0.192245935	-5.202331508	1.97E-07	5.68E-06	0	0	0
Upb1	42.71690662	-1.003175283	0.224354676	-4.471381222	7.77E-06	0.000152269	4	0	0
Sept6	539.0839308	-1.007547579	0.12568872	-8.016213189	1.09E-15	1.51E-13	2	1	0
Ip6k3	48.03088171	-1.010078163	0.213492441	-4.731212775	2.23E-06	4.94E-05	2	0	0
Mef2c	618.4554398	-1.012481393	0.134307757	-7.538517629	4.75E-14	5.05E-12	1	0	0
Btla	313.382564	-1.015330736	0.127805606	-7.944336439	1.95E-15	2.62E-13	3	1	0

<i>Cadm3</i>	21.48439361	-1.016391492	0.243713836	-4.17042999	3.04E-05	0.000476693	3	0	0
<i>Mboat1</i>	86.07226592	-1.016914498	0.17462461	-5.823431747	5.77E-09	2.56E-07	0	0	0
<i>Klrd1</i>	361.5897622	-1.021957425	0.143552905	-7.11902991	1.09E-12	9.71E-11	0	0	0
<i>Lrrc32</i>	25.46197509	-1.025804094	0.237090745	-4.326630693	1.51E-05	0.000266564	3	0	0
<i>Ccl22</i>	314.4310339	-1.028634827	0.176913582	-5.814334973	6.09E-09	2.68E-07	1	0	0
<i>Il1rl1</i>	111.2046054	-1.031468355	0.218615005	-4.718195607	2.38E-06	5.19E-05	0	0	0
<i>Slc12a2</i>	262.2114908	-1.032956377	0.138894485	-7.43698629	1.03E-13	1.05E-11	7	0	0
<i>Ccnb2</i>	52.7006751	-1.036277527	0.203468675	-5.093056842	3.52E-07	9.63E-06	2	0	0
<i>Igf1</i>	115.9078548	-1.040648951	0.183257031	-5.678630413	1.36E-08	5.40E-07	4	0	0
<i>Ace</i>	1950.813348	-1.040891502	0.111358748	-9.347191154	9.00E-21	2.22E-18	2	0	0
<i>Angptl2</i>	61.32401318	-1.043874053	0.193571892	-5.392694383	6.94E-08	2.24E-06	4	0	0
<i>Ldhd</i>	47.80331396	-1.045569035	0.221125132	-4.728404347	2.26E-06	5.00E-05	4	0	0
<i>Sv2b</i>	9.717706788	-1.047404953	0.246749883	-4.244804247	2.19E-05	0.000362893	1	0	0
<i>Hepacam2</i>	103.8242959	-1.061520252	0.214402275	-4.951068055	7.38E-07	1.86E-05	0	0	0
<i>Gstt1</i>	88.27411895	-1.085010485	0.178408907	-6.081593695	1.19E-09	5.99E-08	2	0	0
<i>Ahr</i>	444.7984654	-1.088313124	0.11787016	-9.233152208	2.63E-20	6.23E-18	0	0	0
<i>BC035044</i>	128.1090537	-1.105548963	0.173157583	-6.384640745	1.72E-10	1.05E-08	0	0	0
<i>Rasgrp3</i>	64.53261728	-1.106417102	0.208641214	-5.30296522	1.14E-07	3.47E-06	1	0	0
<i>F2rl2</i>	40.32503288	-1.108707006	0.244112611	-4.541785046	5.58E-06	0.00011196	4	0	0
<i>Scel</i>	87.15200384	-1.109051708	0.178302104	-6.220070801	4.97E-10	2.76E-08	3	0	0
<i>Hpgd</i>	223.172179	-1.124928363	0.154211505	-7.294711026	2.99E-13	2.90E-11	3	1	0
<i>Ust</i>	103.1130029	-1.129263823	0.170468987	-6.624453197	3.49E-11	2.39E-09	2	0	0
<i>Glpr2</i>	1292.180159	-1.133824111	0.098342649	-11.52932244	9.39E-31	4.82E-28	5	0	0
<i>Ramp1</i>	231.7744089	-1.149915195	0.129340324	-8.890616299	6.08E-19	1.29E-16	2	1	0
<i>Armcx2</i>	28.74309659	-1.151552481	0.24316383	-4.735706302	2.18E-06	4.84E-05	1	0	0
<i>Chst7</i>	70.8306352	-1.158874394	0.190472184	-6.084218558	1.17E-09	5.91E-08	6	0	0
<i>Slc14a1</i>	70.38795518	-1.175753267	0.19067536	-6.166256976	6.99E-10	3.70E-08	4	0	0
<i>Vegfc</i>	18.23163708	-1.181115753	0.248126904	-4.760127722	1.93E-06	4.35E-05	4	0	0
<i>Aqp3</i>	10.51590212	-1.187122042	0.248144734	-4.783990475	1.72E-06	3.92E-05	3	0	0
<i>Kbtbd11</i>	510.3610593	-1.214011034	0.118988602	-10.20275064	1.93E-24	5.94E-22	6	0	0
<i>Fn1</i>	12416.17609	-1.214125377	0.143502435	-8.460660439	2.66E-17	4.68E-15	3	0	0
<i>Cd209a</i>	1019.721154	-1.218155398	0.180423649	-6.751639291	1.46E-11	1.08E-09	0	0	0
<i>Stxbp6</i>	82.13965768	-1.224292902	0.204201867	-5.995502984	2.03E-09	9.80E-08	0	0	0
<i>Gjal</i>	13.15317204	-1.228672567	0.250236792	-4.910039637	9.11E-07	2.24E-05	1	0	0
<i>Gfra2</i>	92.02718107	-1.233767692	0.216150653	-5.70790639	1.14E-08	4.62E-07	5	0	0
<i>Cx3cr1</i>	3278.129118	-1.235068483	0.094026296	-13.13535189	2.07E-39	1.59E-36	2	0	0

<i>P2ry1</i>	49.5278626	-1.257880844	0.221365123	-5.682380431	1.33E-08	5.30E-07	6	0	0
<i>Il31ra</i>	64.6044326	-1.274991752	0.195369766	-6.526044312	6.75E-11	4.33E-09	1	0	0
<i>Sl100a4</i>	3003.291929	-1.277754688	0.165502269	-7.720466303	1.16E-14	1.37E-12	0	0	0
<i>Chn2</i>	146.5987452	-1.278678694	0.192667231	-6.63672117	3.21E-11	2.22E-09	6	0	0
<i>Cd209d</i>	42.49970155	-1.280856938	0.226620374	-5.65199376	1.59E-08	6.20E-07	1	0	0
<i>Ear11</i>	9.085102755	-1.294826315	0.242253916	-5.344913859	9.05E-08	2.84E-06	0	0	0
<i>Rgs18</i>	163.5523056	-1.318132632	0.154761358	-8.517194769	1.63E-17	2.96E-15	0	0	0
<i>Cd209e</i>	13.71585383	-1.3367247	0.25023039	-5.341975858	9.19E-08	2.88E-06	0	0	0
<i>Gcet2</i>	45.61209223	-1.413483859	0.239855597	-5.893061802	3.79E-09	1.74E-07	0	0	0
<i>Bex6</i>	218.019583	-1.430400139	0.151570211	-9.437211477	3.83E-21	9.83E-19	4	0	0
<i>Sept3</i>	245.4247304	-1.460963661	0.153320457	-9.52882407	1.59E-21	4.17E-19	3	0	0
<i>Klrb1f</i>	31.05761546	-1.468346937	0.240153147	-6.114210681	9.70E-10	4.96E-08	1	0	0
<i>Olfm1</i>	3051.542797	-1.472738031	0.081548809	-18.05958977	6.63E-73	1.36E-69	3	0	0
<i>Slc13a3</i>	165.8721885	-1.481360309	0.150427148	-9.847692584	7.01E-23	2.06E-20	5	0	0
<i>Mgl2</i>	951.1280259	-1.48302057	0.19295266	-7.68592963	1.52E-14	1.73E-12	2	0	0
<i>Slc30a4</i>	378.5950575	-1.520904669	0.131602247	-11.55682899	6.82E-31	3.65E-28	3	0	0
<i>Cdh1</i>	1038.435814	-1.630999797	0.124063854	-13.14645434	1.78E-39	1.47E-36	4	1	0
<i>Ccl17</i>	220.8847032	-1.74165459	0.196478836	-8.864336871	7.70E-19	1.61E-16	6	0	0
<i>Htra3</i>	258.3904726	-1.883344894	0.136227956	-13.82495161	1.80E-43	1.85E-40	0	0	0
<i>Ngfr</i>	97.44245305	-2.003776806	0.189614691	-10.56762426	4.21E-26	1.57E-23	2	0	0
<i>Ccl24</i>	749.1744975	-3.360536269	0.155414857	-21.62300529	1.09E-103	4.48E-100	9	0	0