

number	ensembl	symbol	PreB_shPhf	PreB_shPhf	PreB_shPhf	PreB_shPhf	PreB_shPhf	PreB_shPhf
1	ENSMUSG0	Lad1	35.97407	1.856872	0.319922	5.804137	6.47E-09	1.25E-06
2	ENSMUSG0	Synpo2	17.74504	1.730236	0.455821	3.795864	0.000147	0.006414
3	ENSMUSG0	Ar	11.61822	1.692028	0.521501	3.244531	0.001176	0.030625
4	ENSMUSG0	Cx3cl1	25.33334	1.53391	0.383221	4.002681	6.26E-05	0.003336
5	ENSMUSG0	Fscn1	261.4503	1.491355	0.158098	9.433104	3.98E-21	3.41E-18
6	ENSMUSG0	Ccl22	196.2006	1.433608	0.142771	10.04134	1.00E-23	1.01E-20
7	ENSMUSG0	Bcl2a1d	63.73692	1.22958	0.225234	5.459126	4.78E-08	7.74E-06
8	ENSMUSG0	Apo17c	131.9181	1.20091	0.163221	7.357558	1.87E-13	7.65E-11
9	ENSMUSG0	Bcl2a1a	52.03656	1.193726	0.248954	4.794961	1.63E-06	0.000166
10	ENSMUSG0	Cacnb3	74.76255	1.118542	0.230551	4.8516	1.22E-06	0.000133
11	ENSMUSG0	Dlk1	32.88949	1.115417	0.295882	3.769799	0.000163	0.006987
12	ENSMUSG0	Nr4a3	33.72462	1.104394	0.317014	3.483744	0.000494	0.016566
13	ENSMUSG0	Flt3	45.5471	1.061792	0.260277	4.079462	4.51E-05	0.002598
14	ENSMUSG0	Pdgfa	28.49729	1.051826	0.31877	3.299637	0.000968	0.026528
15	ENSMUSG0	Hnrnp1l	91.35156	-1.01053	0.197949	-5.10502	3.31E-07	4.17E-05
16	ENSMUSG0	Lilr4b	128.2149	-1.01088	0.196049	-5.15628	2.52E-07	3.29E-05
17	ENSMUSG0	Nfe2	31.69355	-1.01443	0.312151	-3.24981	0.001155	0.030208
18	ENSMUSG0	Slc16a3	43.75615	-1.02759	0.264613	-3.88339	0.000103	0.004863
19	ENSMUSG0	Selenbp1	48.16983	-1.02813	0.250975	-4.09655	4.19E-05	0.002455
20	ENSMUSG0	S100a9	134.8359	-1.03121	0.222692	-4.63066	3.65E-06	0.00033
21	ENSMUSG0	Cebp d	43.95819	-1.04022	0.267862	-3.88341	0.000103	0.004863
22	ENSMUSG0	Aldoc	34.66731	-1.04275	0.325731	-3.20126	0.001368	0.034116
23	ENSMUSG0	C1ra	29.4857	-1.05123	0.311837	-3.37107	0.000749	0.022261
24	ENSMUSG0	Phf23	935.7533	-1.05912	0.075059	-14.1105	3.27E-45	1.40E-41
25	ENSMUSG0	Mboat1	36.50535	-1.06169	0.282634	-3.75642	0.000172	0.007282
26	ENSMUSG0	B4galt6	81.70657	-1.06403	0.195605	-5.43969	5.34E-08	8.56E-06
27	ENSMUSG0	Smox	22.82643	-1.07228	0.351857	-3.0475	0.002308	0.049665
28	ENSMUSG0	Tyropb	132.7271	-1.07385	0.179562	-5.9804	2.23E-09	4.66E-07
29	ENSMUSG0	Anxa2	96.77853	-1.08266	0.176668	-6.12823	8.89E-10	2.01E-07
30	ENSMUSG0	Gm15448	41.25006	-1.09265	0.265372	-4.1174	3.83E-05	0.002288
31	ENSMUSG0	Clec4e	70.00787	-1.10308	0.229638	-4.80354	1.56E-06	0.000161
32	ENSMUSG0	Adgre1	48.15183	-1.10741	0.249073	-4.44615	8.74E-06	0.000711
33	ENSMUSG0	Rarg	22.16757	-1.10803	0.363671	-3.04678	0.002313	0.049722
34	ENSMUSG0	Ms4a6c	108.2238	-1.11224	0.177792	-6.25583	3.95E-10	9.55E-08
35	ENSMUSG0	Ly6c2	777.2589	-1.12286	0.21469	-5.23014	1.69E-07	2.25E-05
36	ENSMUSG0	Farp2	32.18319	-1.12466	0.303883	-3.70095	0.000215	0.00869
37	ENSMUSG0	Pira11	69.82431	-1.12489	0.210953	-5.33242	9.69E-08	1.45E-05
38	ENSMUSG0	Chil4	22.27234	-1.14597	0.356657	-3.21308	0.001313	0.032981
39	ENSMUSG0	Ccl9	47.42326	-1.15059	0.244039	-4.71476	2.42E-06	0.000232
40	ENSMUSG0	Smpdl3b	90.36077	-1.15274	0.19615	-5.87684	4.18E-09	8.36E-07
41	ENSMUSG0	I830127L0	78.62282	-1.15853	0.255059	-4.54221	5.57E-06	0.000484
42	ENSMUSG0	Igsf6	121.5088	-1.16362	0.170347	-6.83092	8.44E-12	2.78E-09
43	ENSMUSG0	Acpp	46.26145	-1.16725	0.269367	-4.3333	1.47E-05	0.00105
44	ENSMUSG0	Rab32	119.3568	-1.17475	0.164221	-7.15347	8.46E-13	3.23E-10
45	ENSMUSG0	Fas	30.78374	-1.17598	0.303049	-3.8805	0.000104	0.004899
46	ENSMUSG0	Gatm	53.22035	-1.1811	0.27696	-4.26451	2.00E-05	0.001358
47	ENSMUSG0	Sort1	180.8099	-1.18146	0.14425	-8.19038	2.60E-16	1.31E-13

48	ENSMUSG0 Clec4a1	27.48034	-1.18281	0.313245	-3.776	0.000159	0.006834
49	ENSMUSG0 Tlr2	196.484	-1.19516	0.142392	-8.39344	4.72E-17	2.70E-14
50	ENSMUSG0 Clec4d	52.98731	-1.20429	0.280385	-4.29512	1.75E-05	0.001213
51	ENSMUSG0 Smpdl3a	152.2445	-1.20509	0.151625	-7.94783	1.90E-15	8.80E-13
52	ENSMUSG0 Clec5a	45.61454	-1.20834	0.286843	-4.21255	2.53E-05	0.001672
53	ENSMUSG0 Lilrb4a	53.58348	-1.21102	0.246793	-4.90704	9.25E-07	0.000104
54	ENSMUSG0 H19	149.42	-1.21752	0.143792	-8.46726	2.51E-17	1.49E-14
55	ENSMUSG0 Fcer1g	146.7342	-1.2186	0.180749	-6.74198	1.56E-11	4.96E-09
56	ENSMUSG0 Selenbp2	26.41905	-1.22343	0.34584	-3.53757	0.000404	0.014235
57	ENSMUSG0 Rab3il1	18.55481	-1.23882	0.386285	-3.207	0.001341	0.033638
58	ENSMUSG0 Ifi207	137.7961	-1.24505	0.169443	-7.3479	2.01E-13	8.03E-11
59	ENSMUSG0 Pirb	158.497	-1.24568	0.151101	-8.24404	1.66E-16	8.92E-14
60	ENSMUSG0 Sirpa	306.1728	-1.26475	0.115184	-10.9803	4.75E-28	5.83E-25
61	ENSMUSG0 Tnfaip2	187.1315	-1.27133	0.14195	-8.95615	3.36E-19	2.14E-16
62	ENSMUSG0 Pira6	40.18598	-1.27596	0.267653	-4.76723	1.87E-06	0.000185
63	ENSMUSG0 Cebpa	49.20923	-1.27683	0.260638	-4.89888	9.64E-07	0.000108
64	ENSMUSG0 Ugt1a7c	46.66268	-1.27865	0.266596	-4.79619	1.62E-06	0.000166
65	ENSMUSG0 Cebpb	89.46261	-1.28073	0.22238	-5.75919	8.45E-09	1.61E-06
66	ENSMUSG0 Shtn1	35.3268	-1.28463	0.318148	-4.03782	5.40E-05	0.003015
67	ENSMUSG0 Pla2g7	92.70285	-1.288	0.240284	-5.36031	8.31E-08	1.27E-05
68	ENSMUSG0 Pilra	46.14025	-1.29277	0.251068	-5.14907	2.62E-07	3.38E-05
69	ENSMUSG0 Pygl	76.47214	-1.30623	0.208716	-6.25842	3.89E-10	9.53E-08
70	ENSMUSG0 Peli2	26.32352	-1.30895	0.342603	-3.82062	0.000133	0.005916
71	ENSMUSG0 Mcf2l	31.69283	-1.30902	0.31628	-4.13879	3.49E-05	0.002139
72	ENSMUSG0 Stab1	35.39062	-1.31581	0.301147	-4.36934	1.25E-05	0.000921
73	ENSMUSG0 Atp11a	122.9811	-1.31877	0.179819	-7.33387	2.24E-13	8.72E-11
74	ENSMUSG0 Ppfia4	15.37031	-1.31995	0.412842	-3.19723	0.001388	0.034346
75	ENSMUSG0 Cd302	41.36736	-1.3214	0.276609	-4.77715	1.78E-06	0.000178
76	ENSMUSG0 App	198.7957	-1.32839	0.139481	-9.52378	1.67E-21	1.51E-18
77	ENSMUSG0 Tfec	41.64206	-1.33115	0.266376	-4.99726	5.82E-07	6.93E-05
78	ENSMUSG0 Met	52.54236	-1.33182	0.254225	-5.23876	1.62E-07	2.17E-05
79	ENSMUSG0 Ppm1h	46.05425	-1.33772	0.251783	-5.31299	1.08E-07	1.59E-05
80	ENSMUSG0 Prtn3	110.9063	-1.34707	0.182688	-7.37362	1.66E-13	6.95E-11
81	ENSMUSG0 Csf3r	54.84652	-1.3474	0.229286	-5.8765	4.19E-09	8.36E-07
82	ENSMUSG0 Lilra6	42.25014	-1.34935	0.28204	-4.78427	1.72E-06	0.000173
83	ENSMUSG0 Rbm47	22.55384	-1.34973	0.363374	-3.71444	0.000204	0.008318
84	ENSMUSG0 Gm10693	25.10938	-1.36251	0.373418	-3.64874	0.000264	0.010322
85	ENSMUSG0 Fgd4	34.13429	-1.36356	0.287731	-4.739	2.15E-06	0.000208
86	ENSMUSG0 Rnf128	19.98735	-1.37369	0.39429	-3.48396	0.000494	0.016566
87	ENSMUSG0 Myo1f	165.151	-1.39105	0.147584	-9.42552	4.28E-21	3.50E-18
88	ENSMUSG0 Nfam1	139.0939	-1.39755	0.146543	-9.53676	1.47E-21	1.40E-18
89	ENSMUSG0 Alox5ap	92.4761	-1.40648	0.197781	-7.11131	1.15E-12	4.20E-10
90	ENSMUSG0 Ccr1	22.73947	-1.42717	0.37238	-3.83257	0.000127	0.005709
91	ENSMUSG0 Aoah	65.89417	-1.44116	0.223681	-6.44292	1.17E-10	3.22E-08
92	ENSMUSG0 Sgms2	31.68132	-1.46228	0.323909	-4.51448	6.35E-06	0.000536
93	ENSMUSG0 Chil3	127.854	-1.46372	0.159093	-9.20038	3.57E-20	2.35E-17
94	ENSMUSG0 Cd300lf	16.80205	-1.46641	0.422882	-3.46766	0.000525	0.017225
95	ENSMUSG0 F5	28.60887	-1.47071	0.317635	-4.63019	3.65E-06	0.00033

96	ENSMUSG0 Dmxl2	79.58256	-1.4768	0.199685	-7.39564	1.41E-13	6.04E-11
97	ENSMUSG0 Plekhg1	38.22835	-1.48204	0.281338	-5.26784	1.38E-07	1.94E-05
98	ENSMUSG0 Gpnmb	269.5729	-1.49118	0.299704	-4.97551	6.51E-07	7.70E-05
99	ENSMUSG0 Xdh	58.20532	-1.50128	0.234793	-6.39409	1.62E-10	4.26E-08
100	ENSMUSG0 Fgr	36.5249	-1.513	0.287517	-5.2623	1.42E-07	1.98E-05
101	ENSMUSG0 Cd300lb	20.69293	-1.51469	0.375961	-4.02885	5.61E-05	0.003092
102	ENSMUSG0 Rin2	19.14453	-1.52176	0.391038	-3.89158	9.96E-05	0.004772
103	ENSMUSG0 Hp	313.166	-1.52825	0.128215	-11.9194	9.37E-33	1.34E-29
104	ENSMUSG0 Fpr2	48.75576	-1.53677	0.271152	-5.66753	1.45E-08	2.67E-06
105	ENSMUSG0 Elane	26.88577	-1.54112	0.326315	-4.7228	2.33E-06	0.000224
106	ENSMUSG0 Dram1	65.38566	-1.55602	0.229642	-6.77586	1.24E-11	4.00E-09
107	ENSMUSG0 Thbs1	861.3335	-1.56115	0.224844	-6.94323	3.83E-12	1.31E-09
108	ENSMUSG0 Abcd2	20.41217	-1.56716	0.379042	-4.13453	3.56E-05	0.002164
109	ENSMUSG0 Hk3	32.77561	-1.57001	0.299313	-5.24537	1.56E-07	2.12E-05
110	ENSMUSG0 Dock1	19.53639	-1.5832	0.399179	-3.96614	7.30E-05	0.003774
111	ENSMUSG0 Lpl	65.03886	-1.59736	0.247986	-6.44134	1.18E-10	3.22E-08
112	ENSMUSG0 Cd300a	25.76397	-1.60846	0.364375	-4.41429	1.01E-05	0.000801
113	ENSMUSG0 Axl	68.85271	-1.61177	0.235784	-6.8358	8.15E-12	2.74E-09
114	ENSMUSG0 Sh3pxd2b	54.86368	-1.62732	0.249454	-6.52353	6.87E-11	2.03E-08
115	ENSMUSG0 Mtus1	73.72911	-1.62837	0.228941	-7.11261	1.14E-12	4.20E-10
116	ENSMUSG0 Clec7a	23.476	-1.63652	0.382932	-4.27367	1.92E-05	0.001319
117	ENSMUSG0 Apobr	20.53587	-1.64115	0.393922	-4.16618	3.10E-05	0.001975
118	ENSMUSG0 Csf1r	291.1854	-1.64216	0.143862	-11.4149	3.53E-30	4.65E-27
119	ENSMUSG0 Ltbr	42.75756	-1.66737	0.270418	-6.1659	7.01E-10	1.65E-07
120	ENSMUSG0 F10	45.98173	-1.66953	0.296785	-5.62539	1.85E-08	3.28E-06
121	ENSMUSG0 F630028O:	20.37071	-1.68436	0.384263	-4.38336	1.17E-05	0.000883
122	ENSMUSG0 Adgre4	25.10214	-1.69427	0.360407	-4.70098	2.59E-06	0.000244
123	ENSMUSG0 Il1f9	16.1815	-1.69847	0.483077	-3.51593	0.000438	0.015217
124	ENSMUSG0 Tnfrsf1a	77.88603	-1.71876	0.206219	-8.33464	7.77E-17	4.30E-14
125	ENSMUSG0 C3	437.0583	-1.80665	0.235111	-7.68423	1.54E-14	6.77E-12
126	ENSMUSG0 6430548M	12.7211	-1.80772	0.497943	-3.63038	0.000283	0.010914
127	ENSMUSG0 Fn1	85.15714	-1.82138	0.207515	-8.77709	1.68E-18	1.03E-15
128	ENSMUSG0 Olfm1	38.33338	-1.83647	0.33782	-5.43623	5.44E-08	8.56E-06
129	ENSMUSG0 Ngp	87.88931	-1.85249	0.224983	-8.2339	1.81E-16	9.42E-14
130	ENSMUSG0 Ltf	29.17978	-1.86693	0.331706	-5.62829	1.82E-08	3.28E-06
131	ENSMUSG0 Lgals3	280.1533	-1.88246	0.149786	-12.5677	3.18E-36	5.45E-33
132	ENSMUSG0 Mcemp1	27.70193	-1.89532	0.334258	-5.67024	1.43E-08	2.66E-06
133	ENSMUSG0 Saa3	130.2223	-1.89897	0.204879	-9.26873	1.88E-20	1.40E-17
134	ENSMUSG0 Tlr13	33.70653	-1.93497	0.325195	-5.95019	2.68E-09	5.54E-07
135	ENSMUSG0 Gda	162.6217	-1.94561	0.160491	-12.1228	7.99E-34	1.25E-30
136	ENSMUSG0 Lrp1	85.49609	-1.95976	0.212833	-9.20795	3.32E-20	2.28E-17
137	ENSMUSG0 Ptger3	19.99641	-1.96873	0.404502	-4.86706	1.13E-06	0.000125
138	ENSMUSG0 Ccr5	42.69534	-1.99053	0.280034	-7.10819	1.18E-12	4.20E-10
139	ENSMUSG0 Emilin2	195.9059	-1.99351	0.153335	-13.001	1.21E-38	3.45E-35
140	ENSMUSG0 Plbd1	20.56422	-2.01183	0.459845	-4.37502	1.21E-05	0.000906
141	ENSMUSG0 Lyz2	1080.073	-2.0485	0.161358	-12.6954	6.27E-37	1.35E-33
142	ENSMUSG0 Itga1	31.49525	-2.05737	0.342558	-6.00592	1.90E-09	4.03E-07
143	ENSMUSG0 Lyz1	191.1433	-2.06323	0.163933	-12.5858	2.53E-36	4.82E-33

144	ENSMUSG0 Ms4a6d	33.36556	-2.06431	0.316847	-6.51518	7.26E-11	2.11E-08
145	ENSMUSG0 Sqor	16.27096	-2.09588	0.448125	-4.677	2.91E-06	0.000269
146	ENSMUSG0 Clec10a	10.36018	-2.09929	0.577392	-3.63582	0.000277	0.010779
147	ENSMUSG0 Camp	9.531274	-2.10858	0.58285	-3.6177	0.000297	0.011356
148	ENSMUSG0 Lbp	18.91681	-2.1425	0.439927	-4.87012	1.12E-06	0.000124
149	ENSMUSG0 Pid1	19.48218	-2.25819	0.429689	-5.2554	1.48E-07	2.03E-05
150	ENSMUSG0 Ccr2	190.5891	-2.28041	0.152639	-14.9399	1.81E-50	1.04E-46
151	ENSMUSG0 Fcgr1	19.5459	-2.30817	0.409313	-5.63914	1.71E-08	3.12E-06
152	ENSMUSG0 Mefv	23.46816	-2.31563	0.394623	-5.86795	4.41E-09	8.70E-07
153	ENSMUSG0 Clec4a2	17.23032	-2.36674	0.45021	-5.25697	1.46E-07	2.03E-05
154	ENSMUSG0 Ptpro	12.06673	-2.37	0.551016	-4.30115	1.70E-05	0.00119
155	ENSMUSG0 Ifitm6	22.15688	-2.46603	0.406204	-6.07091	1.27E-09	2.80E-07
156	ENSMUSG0 Tlr8	11.81156	-2.51148	0.589089	-4.26332	2.01E-05	0.00136
157	ENSMUSG0 F13a1	191.1877	-2.55691	0.142176	-17.9841	2.59E-72	2.23E-68
158	ENSMUSG0 Spint1	32.92738	-2.58777	0.32491	-7.96458	1.66E-15	7.90E-13
159	ENSMUSG0 Clec4a3	10.76204	-2.59064	0.588575	-4.40155	1.07E-05	0.000827
160	ENSMUSG0 Tgfb1	144.9006	-2.61571	0.201571	-12.9766	1.66E-38	4.07E-35
161	ENSMUSG0 Gpr141	65.63687	-2.66246	0.252061	-10.5628	4.43E-26	4.75E-23
162	ENSMUSG0 Mmp8	266.6696	-2.87151	0.138878	-20.6765	5.64E-95	9.68E-91
163	ENSMUSG0 Vcan	517.377	-2.97832	0.222329	-13.396	6.38E-41	2.19E-37
164	ENSMUSG0 LOC100038	11.22156	-3.02296	0.614778	-4.91717	8.78E-07	0.000101
165	ENSMUSG0 Msr1	40.98179	-3.0381	0.326402	-9.30785	1.30E-20	1.02E-17
166	ENSMUSG0 Sirpb1b	8.72671	-3.09106	0.708473	-4.363	1.28E-05	0.000936
167	ENSMUSG0 Mcub	11.83579	-3.24195	0.618637	-5.24046	1.60E-07	2.16E-05

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Down

Down

number	ensembl	symbol	tumor_shP	tumor_shP	tumor_shP	tumor_shP	tumor_shP	tumor_shP
1	ENSMUSG0	Gm525	28.78331	5.631869	1.10187	5.11119	3.20E-07	0.000138
1	ENSMUSG0	Magi1	16.61085	4.742567	1.407446	3.369625	0.000753	0.030369
1	ENSMUSG0	Kcnk12	22.00369	4.661107	0.945081	4.931965	8.14E-07	0.000257
1	ENSMUSG0	Lrig3	11.85311	4.037811	1.123003	3.595549	0.000324	0.017487
1	ENSMUSG0	4931431B	15.76886	3.738024	1.054552	3.544657	0.000393	0.019767
1	ENSMUSG0	Khdrbs2	13.18919	3.580577	1.115189	3.210736	0.001324	0.041363
1	ENSMUSG0	Cox6a2	336.1649	3.412879	0.987036	3.457704	0.000545	0.02483
1	ENSMUSG0	Col25a1	133.3583	3.297757	0.901599	3.657675	0.000255	0.014685
1	ENSMUSG0	Phyhd1	23.86803	2.706134	0.673747	4.016544	5.91E-05	0.005598
1	ENSMUSG0	AA465934	119.2367	2.194056	0.463187	4.736874	2.17E-06	0.000541
1	ENSMUSG0	Rasl10a	65.6135	2.150135	0.525575	4.091012	4.29E-05	0.004496
1	ENSMUSG0	Camkv	980.9291	1.961251	0.618227	3.172382	0.001512	0.044859
1	ENSMUSG0	Bspry	31.85465	1.844484	0.571213	3.229067	0.001242	0.039437
1	ENSMUSG0	Pfn2	68.85849	1.812287	0.407759	4.444509	8.81E-06	0.001593
1	ENSMUSG0	Gphn	149.5939	1.746244	0.43268	4.035874	5.44E-05	0.005345
1	ENSMUSG0	Usp44	182.4647	1.723864	0.39678	4.344634	1.40E-05	0.0022
1	ENSMUSG0	Fam234b	109.4526	1.590761	0.434467	3.661405	0.000251	0.01466
1	ENSMUSG0	Atp1a3	134.0909	1.52369	0.463317	3.288657	0.001007	0.035179
1	ENSMUSG0	Sh2b2	140.1288	1.436963	0.283227	5.073535	3.90E-07	0.000156
1	ENSMUSG0	Rgcc	123.8893	1.39064	0.409263	3.397915	0.000679	0.028861
1	ENSMUSG0	Mfsd2a	103.3745	1.385431	0.368777	3.756823	0.000172	0.011218
1	ENSMUSG0	Ccdc40	203.426	1.376173	0.353468	3.893347	9.89E-05	0.00784
1	ENSMUSG0	Zcwpw1	484.0402	1.364119	0.275781	4.946391	7.56E-07	0.00025
1	ENSMUSG0	Fzd9	124.8425	1.360972	0.353195	3.853312	0.000117	0.008682
1	ENSMUSG0	Rsph1	130.5624	1.326664	0.403051	3.291551	0.000996	0.035119
1	ENSMUSG0	Arhgap29	177.2481	1.247914	0.39786	3.136566	0.001709	0.048388
1	ENSMUSG0	Rfx3	152.4423	1.244134	0.388373	3.20345	0.001358	0.042133
1	ENSMUSG0	Tnfrsf19	310.4576	1.219646	0.330168	3.694018	0.000221	0.013481
1	ENSMUSG0	Elovl6	1189.222	1.152746	0.142878	8.068016	7.14E-16	4.84E-12
1	ENSMUSG0	Slc39a10	835.7154	1.14666	0.182571	6.280613	3.37E-10	6.53E-07
1	ENSMUSG0	Myc	27407.68	1.145817	0.166915	6.864677	6.66E-12	2.26E-08
1	ENSMUSG0	Slc1a4	443.3766	1.119308	0.230299	4.860243	1.17E-06	0.000324
1	ENSMUSG0	Itih5	332.3803	1.107046	0.316087	3.502343	0.000461	0.022174
1	ENSMUSG0	Neil1	679.4868	1.084308	0.211831	5.118733	3.08E-07	0.000138
1	ENSMUSG0	Jrk	115.5482	1.011034	0.285118	3.546019	0.000391	0.019767
1	ENSMUSG0	H2-Q4	1020.388	-1.00043	0.206194	-4.8519	1.22E-06	0.000325
1	ENSMUSG0	Haus8	123.0669	-1.00097	0.312768	-3.20035	0.001373	0.042298
1	ENSMUSG0	Nfkbia	753.8858	-1.00135	0.249897	-4.00703	6.15E-05	0.005671
1	ENSMUSG0	Selenon	105.2733	-1.00878	0.301188	-3.34934	0.00081	0.031381
1	ENSMUSG0	Ypel3	327.2122	-1.01544	0.242459	-4.18811	2.81E-05	0.003598
1	ENSMUSG0	Sh3tc1	175.7436	-1.01564	0.286137	-3.54949	0.000386	0.019762
1	ENSMUSG0	Gys1	147.6685	-1.02142	0.308967	-3.30594	0.000947	0.034659
1	ENSMUSG0	Zdhhc1	206.5675	-1.02539	0.311611	-3.29059	0.001	0.035119
1	ENSMUSG0	Plcb2	406.9611	-1.02623	0.250428	-4.09789	4.17E-05	0.004451
1	ENSMUSG0	Plekhg3	399.2657	-1.02879	0.221762	-4.63917	3.50E-06	0.000753
1	ENSMUSG0	Cybb	375.4643	-1.05286	0.265455	-3.96624	7.30E-05	0.006429
1	ENSMUSG0	Ppp1r16b	303.9607	-1.05663	0.320486	-3.29695	0.000977	0.035044

1	ENSMUSG0 Cyfip1	172.1926	-1.06295	0.332009	-3.20157	0.001367	0.042216
1	ENSMUSG0 Ptms	121.3906	-1.07139	0.338459	-3.16551	0.001548	0.045534
1	ENSMUSG0 Sp140	191.2426	-1.07204	0.26923	-3.98187	6.84E-05	0.006222
1	ENSMUSG0 Batf	122.5836	-1.07629	0.325675	-3.3048	0.00095	0.034659
1	ENSMUSG0 Slc28a2	448.6699	-1.09172	0.270856	-4.03064	5.56E-05	0.005426
1	ENSMUSG0 Cryl1	251.9906	-1.09329	0.234127	-4.66966	3.02E-06	0.000682
1	ENSMUSG0 Relb	142.7322	-1.09967	0.350858	-3.13423	0.001723	0.048571
1	ENSMUSG0 Irf1	395.8823	-1.11267	0.190611	-5.83738	5.30E-09	5.99E-06
1	ENSMUSG0 Fes	126.2026	-1.11993	0.316037	-3.54366	0.000395	0.019767
1	ENSMUSG0 Enc1	169.7456	-1.12338	0.334178	-3.36162	0.000775	0.030748
1	ENSMUSG0 Slc12a7	209.291	-1.13006	0.287177	-3.93505	8.32E-05	0.006962
1	ENSMUSG0 Neur13	316.7609	-1.13957	0.261622	-4.35577	1.33E-05	0.002135
1	ENSMUSG0 Ypel5	167.6625	-1.15169	0.279721	-4.11728	3.83E-05	0.004226
1	ENSMUSG0 Ttc28	343.9663	-1.15192	0.327889	-3.51313	0.000443	0.021642
1	ENSMUSG0 Tspoap1	801.0403	-1.1551	0.223955	-5.15773	2.50E-07	0.00013
1	ENSMUSG0 Tmem181a	160.6607	-1.16687	0.26934	-4.33232	1.48E-05	0.002299
1	ENSMUSG0 Cd82	250.2079	-1.16785	0.301971	-3.86741	0.00011	0.008422
1	ENSMUSG0 Zfp831	155.8733	-1.17482	0.319112	-3.68152	0.000232	0.013793
1	ENSMUSG0 Cpeb4	113.0917	-1.18754	0.335238	-3.54238	0.000397	0.019767
1	ENSMUSG0 Clec2i	209.0934	-1.1881	0.366066	-3.24559	0.001172	0.03825
1	ENSMUSG0 H2-T-ps	159.7571	-1.19401	0.322069	-3.7073	0.000209	0.012911
1	ENSMUSG0 H2-T10	221.2672	-1.1969	0.274914	-4.35373	1.34E-05	0.002135
1	ENSMUSG0 Ifi214	94.47558	-1.20244	0.326624	-3.68143	0.000232	0.013793
1	ENSMUSG0 Slc7a7	113.1415	-1.2179	0.342553	-3.55535	0.000377	0.019535
1	ENSMUSG0 Ifi2712a	226.828	-1.21986	0.235965	-5.16966	2.35E-07	0.000127
1	ENSMUSG0 Rhof	159.4982	-1.22708	0.294514	-4.16645	3.09E-05	0.003849
1	ENSMUSG0 Nfatc2	111.3369	-1.24169	0.343935	-3.61025	0.000306	0.016861
1	ENSMUSG0 Cdkn1a	83.05364	-1.24805	0.362463	-3.44326	0.000575	0.025535
1	ENSMUSG0 Epsti1	225.0573	-1.25113	0.294112	-4.25393	2.10E-05	0.003062
1	ENSMUSG0 Gvin1	1106.687	-1.25145	0.248528	-5.03544	4.77E-07	0.00018
1	ENSMUSG0 Ulbp1	304.6864	-1.25801	0.288111	-4.36641	1.26E-05	0.002063
1	ENSMUSG0 Carns1	104.6721	-1.26197	0.362224	-3.48393	0.000494	0.023167
1	ENSMUSG0 Zswim8	530.1656	-1.26213	0.232415	-5.43051	5.62E-08	3.63E-05
1	ENSMUSG0 Dennd2d	169.7095	-1.26282	0.38836	-3.25168	0.001147	0.037757
1	ENSMUSG0 3300005Di	160.8318	-1.27402	0.299816	-4.24933	2.14E-05	0.003093
1	ENSMUSG0 P2rx7	119.7884	-1.2784	0.399765	-3.19788	0.001384	0.04247
1	ENSMUSG0 H2-Oa	112.2279	-1.28295	0.36008	-3.56295	0.000367	0.019198
1	ENSMUSG0 Plbd1	173.6997	-1.28935	0.398625	-3.23449	0.001219	0.03897
1	ENSMUSG0 Gm4070	953.8173	-1.30789	0.248618	-5.26063	1.44E-07	8.11E-05
1	ENSMUSG0 Lcn2	94.50307	-1.31095	0.403963	-3.24522	0.001174	0.03825
1	ENSMUSG0 Nfkbiz	119.8729	-1.3133	0.346859	-3.78627	0.000153	0.010214
1	ENSMUSG0 Lgals3bp	241.0404	-1.31406	0.310493	-4.23218	2.31E-05	0.003134
1	ENSMUSG0 Nfkb2	286.8606	-1.31707	0.28013	-4.70164	2.58E-06	0.000603
1	ENSMUSG0 Zbtb7b	190.5281	-1.32148	0.346107	-3.81813	0.000134	0.009447
1	ENSMUSG0 Naip2	131.1005	-1.32333	0.378278	-3.49831	0.000468	0.022276
1	ENSMUSG0 Slc43a1	292.0946	-1.32355	0.35349	-3.74423	0.000181	0.011651
1	ENSMUSG0 Klif6	212.0697	-1.32499	0.329409	-4.02231	5.76E-05	0.005542
1	ENSMUSG0 Pgap1	166.8763	-1.35352	0.428143	-3.16138	0.00157	0.045855

1	ENSMUSG0	8-Mar	74.20228	-1.36779	0.380726	-3.59259	0.000327	0.017547
1	ENSMUSG0	Gbp7	84.3095	-1.37202	0.40842	-3.35934	0.000781	0.030883
1	ENSMUSG0	Ltf	163.4103	-1.38599	0.328784	-4.2155	2.49E-05	0.003249
1	ENSMUSG0	Trim30a	226.0165	-1.41106	0.290319	-4.86038	1.17E-06	0.000324
1	ENSMUSG0	Gng2	371.9885	-1.42313	0.218072	-6.52598	6.76E-11	1.83E-07
1	ENSMUSG0	St3gal6	83.64508	-1.42763	0.367136	-3.88856	0.000101	0.007904
1	ENSMUSG0	Wsb2	69.65876	-1.43281	0.425695	-3.36582	0.000763	0.030527
1	ENSMUSG0	Il2rb	151.914	-1.45234	0.428706	-3.38773	0.000705	0.029133
1	ENSMUSG0	Fam241a	91.61005	-1.46098	0.407635	-3.58404	0.000338	0.017989
1	ENSMUSG0	Il27ra	159.7765	-1.4804	0.45355	-3.26404	0.001098	0.037046
1	ENSMUSG0	Natd1	92.98955	-1.49557	0.35274	-4.23987	2.24E-05	0.003134
1	ENSMUSG0	Jak2	288.7337	-1.49657	0.309983	-4.82791	1.38E-06	0.00036
1	ENSMUSG0	Naip6	148.2737	-1.51794	0.29778	-5.09753	3.44E-07	0.000141
1	ENSMUSG0	Cd4	140.6197	-1.52251	0.459033	-3.31677	0.000911	0.034015
1	ENSMUSG0	Fyb	135.8437	-1.52463	0.432504	-3.52512	0.000423	0.020947
1	ENSMUSG0	Gramd1b	75.39781	-1.5389	0.409765	-3.75558	0.000173	0.01122
1	ENSMUSG0	1-Mar	139.5417	-1.5415	0.45482	-3.38924	0.000701	0.029093
1	ENSMUSG0	Lcp2	101.9455	-1.55597	0.47984	-3.24268	0.001184	0.038318
1	ENSMUSG0	Nrip1	70.40139	-1.55777	0.425747	-3.65892	0.000253	0.01468
1	ENSMUSG0	Aim2	141.294	-1.56252	0.353133	-4.42472	9.66E-06	0.0017
1	ENSMUSG0	Insr	244.8958	-1.56521	0.272004	-5.75436	8.70E-09	9.07E-06
1	ENSMUSG0	Myo7a	529.6861	-1.56995	0.257288	-6.10194	1.05E-09	1.78E-06
1	ENSMUSG0	Map3k9	57.0098	-1.57316	0.468404	-3.35855	0.000784	0.030883
1	ENSMUSG0	Dnajb5	41.10252	-1.59568	0.50076	-3.18652	0.00144	0.043484
1	ENSMUSG0	Ngp	249.085	-1.59815	0.346863	-4.60742	4.08E-06	0.000833
1	ENSMUSG0	Gbp9	151.6186	-1.60062	0.466238	-3.43305	0.000597	0.026274
1	ENSMUSG0	Abr	162.0742	-1.61122	0.38088	-4.23024	2.33E-05	0.003134
1	ENSMUSG0	Rgs2	357.6059	-1.62051	0.333862	-4.85383	1.21E-06	0.000325
1	ENSMUSG0	Ly6a	137.7931	-1.631	0.438032	-3.72348	0.000196	0.012319
1	ENSMUSG0	Tjp3	78.30908	-1.6382	0.395228	-4.14494	3.40E-05	0.004025
1	ENSMUSG0	Rflnb	76.71016	-1.64447	0.522577	-3.14684	0.00165	0.04723
1	ENSMUSG0	Pimreg	125.8442	-1.65767	0.281858	-5.88124	4.07E-09	5.02E-06
1	ENSMUSG0	Gbp5	54.02168	-1.66201	0.522977	-3.17799	0.001483	0.044291
1	ENSMUSG0	Tspan17	49.48663	-1.6661	0.433577	-3.84269	0.000122	0.009016
1	ENSMUSG0	Tgtp2	79.42783	-1.68711	0.446826	-3.77576	0.00016	0.010603
1	ENSMUSG0	Zbtb32	183.0831	-1.69666	0.392426	-4.32351	1.54E-05	0.002366
1	ENSMUSG0	Gabbr1	54.16535	-1.69948	0.534196	-3.18138	0.001466	0.04397
1	ENSMUSG0	H1f0	144.0134	-1.69952	0.384421	-4.42098	9.83E-06	0.001708
1	ENSMUSG0	Prkch	84.65404	-1.701	0.508988	-3.34192	0.000832	0.031959
1	ENSMUSG0	Maf	58.98205	-1.70564	0.486034	-3.50931	0.000449	0.021834
1	ENSMUSG0	Traf1	113.09	-1.71186	0.447981	-3.82127	0.000133	0.009376
1	ENSMUSG0	Eil2	47.86649	-1.71646	0.539147	-3.18365	0.001454	0.04382
1	ENSMUSG0	H2-Q5	260.7811	-1.72326	0.320383	-5.37873	7.50E-08	4.42E-05
1	ENSMUSG0	Itgax	67.74998	-1.72428	0.526194	-3.27689	0.00105	0.036211
1	ENSMUSG0	Inpp4b	125.3727	-1.73163	0.509917	-3.3959	0.000684	0.028894
1	ENSMUSG0	Tes	59.28208	-1.73344	0.530789	-3.26578	0.001092	0.036997
1	ENSMUSG0	Acss2	57.86389	-1.74931	0.412706	-4.23863	2.25E-05	0.003134
1	ENSMUSG0	Cxcr5	115.3893	-1.76266	0.473253	-3.72456	0.000196	0.012319

1	ENSMUSG0 Ccr6	62.7344	-1.7666	0.533882	-3.30896	0.000936	0.034562
1	ENSMUSG0 Phf23	594.3485	-1.78129	0.173988	-10.238	1.34E-24	1.82E-20
1	ENSMUSG0 Ii21r	179.7635	-1.79663	0.440818	-4.07567	4.59E-05	0.004749
1	ENSMUSG0 Gbp3	116.6477	-1.80034	0.363138	-4.95772	7.13E-07	0.000242
1	ENSMUSG0 Ppp1r15a	710.245	-1.82613	0.472395	-3.86568	0.000111	0.008422
1	ENSMUSG0 Gpr68	40.48896	-1.82912	0.5602	-3.26512	0.001094	0.036997
1	ENSMUSG0 Serpinb6b	54.73976	-1.83643	0.550132	-3.33815	0.000843	0.032212
1	ENSMUSG0 Rtn4rl2	60.67371	-1.83832	0.57528	-3.19552	0.001396	0.042529
1	ENSMUSG0 Gbp4	118.8761	-1.86353	0.503602	-3.70039	0.000215	0.013207
1	ENSMUSG0 Cd3d	89.02312	-1.87737	0.517532	-3.62754	0.000286	0.016135
1	ENSMUSG0 Zfp28	37.0372	-1.8784	0.574685	-3.26857	0.001081	0.036824
1	ENSMUSG0 Ctsw	79.52861	-1.8884	0.570108	-3.31236	0.000925	0.034379
1	ENSMUSG0 Cd247	59.50082	-1.89048	0.567067	-3.33378	0.000857	0.032561
1	ENSMUSG0 Smtn	42.48791	-1.89384	0.555924	-3.40665	0.000658	0.028041
1	ENSMUSG0 Ii9r	93.08407	-1.89902	0.53563	-3.5454	0.000392	0.019767
1	ENSMUSG0 Osbpl5	95.55	-1.90874	0.403145	-4.73464	2.19E-06	0.000541
1	ENSMUSG0 Cyp2d22	48.01231	-1.92327	0.58317	-3.29796	0.000974	0.035044
1	ENSMUSG0 Rgs12	33.32989	-1.94607	0.540672	-3.59934	0.000319	0.017302
1	ENSMUSG0 Casp7	223.2904	-1.95083	0.341518	-5.71223	1.12E-08	9.53E-06
1	ENSMUSG0 Pla2g16	27.9691	-1.97061	0.604207	-3.26149	0.001108	0.037235
1	ENSMUSG0 H2-Q6	786.5684	-1.98349	0.609312	-3.2553	0.001133	0.037736
1	ENSMUSG0 Xlr4b	87.25763	-1.98404	0.54557	-3.63663	0.000276	0.015803
1	ENSMUSG0 Zbp1	57.90638	-1.99925	0.623157	-3.20826	0.001335	0.041529
1	ENSMUSG0 Ms4a4c	89.9267	-2.00598	0.522766	-3.83724	0.000124	0.009119
1	ENSMUSG0 Naip5	93.10844	-2.00761	0.349909	-5.73753	9.61E-09	9.30E-06
1	ENSMUSG0 Dnase1l3	28.95784	-2.03383	0.621265	-3.27369	0.001062	0.036498
1	ENSMUSG0 Nav1	36.10089	-2.03499	0.651239	-3.12479	0.001779	0.04958
1	ENSMUSG0 Gem	42.53933	-2.04314	0.592453	-3.44862	0.000563	0.025368
1	ENSMUSG0 Zcchc14	41.64807	-2.07865	0.660512	-3.14703	0.001649	0.04723
1	ENSMUSG0 Ctnna1	248.9975	-2.08238	0.323274	-6.44154	1.18E-10	2.67E-07
1	ENSMUSG0 Cd83	134.3516	-2.09411	0.426757	-4.90702	9.25E-07	0.000279
1	ENSMUSG0 Trim30b	44.14804	-2.11643	0.650502	-3.25354	0.00114	0.037757
1	ENSMUSG0 Rasgrp3	107.1298	-2.13207	0.516055	-4.13148	3.60E-05	0.004142
1	ENSMUSG0 Lair1	43.07514	-2.13334	0.521576	-4.09018	4.31E-05	0.004496
1	ENSMUSG0 Gpr174	89.23805	-2.15576	0.551297	-3.91034	9.22E-05	0.007483
1	ENSMUSG0 Lta	27.72446	-2.1643	0.654166	-3.30848	0.000938	0.034562
1	ENSMUSG0 Tmprss13	66.11552	-2.16449	0.521455	-4.15087	3.31E-05	0.00401
1	ENSMUSG0 Izumo1r	42.55954	-2.20321	0.57473	-3.83348	0.000126	0.009146
1	ENSMUSG0 Cd96	35.55185	-2.23869	0.662746	-3.3779	0.00073	0.029741
1	ENSMUSG0 Wwc2	56.98624	-2.32621	0.505108	-4.60538	4.12E-06	0.000833
1	ENSMUSG0 Nod1	49.14185	-2.36349	0.60702	-3.8936	9.88E-05	0.00784
1	ENSMUSG0 Gadd45g	48.73655	-2.43753	0.636004	-3.83257	0.000127	0.009146
1	ENSMUSG0 Gbp2	48.66993	-2.47539	0.591801	-4.18281	2.88E-05	0.003649
1	ENSMUSG0 Tsc22d1	33.6692	-2.4773	0.677071	-3.65886	0.000253	0.01468
1	ENSMUSG0 Gcat	288.0092	-2.52994	0.672849	-3.76004	0.00017	0.011128
1	ENSMUSG0 Mfsd13a	17.35876	-2.53885	0.806694	-3.14722	0.001648	0.04723
1	ENSMUSG0 St8sia6	32.45084	-2.60748	0.675685	-3.85901	0.000114	0.008576
1	ENSMUSG0 Ctdspl	33.55265	-2.62682	0.693061	-3.79018	0.000151	0.010214

1	ENSMUSG0 Tdrd7	79.75722	-2.7226	0.529991	-5.13707	2.79E-07	0.000138
1	ENSMUSG0 Cd200	36.19797	-2.81574	0.743001	-3.78969	0.000151	0.010214
1	ENSMUSG0 Platr27	31.73736	-2.82486	0.872069	-3.23926	0.001198	0.038506
1	ENSMUSG0 Klf4	97.00337	-2.86235	0.58039	-4.93178	8.15E-07	0.000257
1	ENSMUSG0 Armc3	20.74781	-2.91975	0.812448	-3.59378	0.000326	0.017536
1	ENSMUSG0 Kynu	18.13805	-3.01251	0.920549	-3.27251	0.001066	0.036498
1	ENSMUSG0 Jun	826.2979	-3.22606	1.025205	-3.14675	0.001651	0.04723
1	ENSMUSG0 Gfra2	23.79783	-3.25094	0.932266	-3.48714	0.000488	0.02303
1	ENSMUSG0 Egr3	20.21442	-3.45611	0.969278	-3.56565	0.000363	0.019164
1	ENSMUSG0 Kdelc2	33.76256	-3.52892	0.690939	-5.10742	3.27E-07	0.000138
1	ENSMUSG0 Ccdc180	76.28113	-3.57279	0.651883	-5.48072	4.24E-08	3.02E-05
1	ENSMUSG0 Siglech	55.96671	-3.68871	0.659904	-5.58977	2.27E-08	1.81E-05
1	ENSMUSG0 Tdrp	14.27045	-4.13915	1.1799	-3.50805	0.000451	0.021859
1	ENSMUSG0 Frmd6	15.70159	-4.27699	1.079866	-3.96066	7.47E-05	0.006455
1	ENSMUSG0 Kif5a	15.09798	-4.66953	1.36399	-3.42344	0.000618	0.027026
1	ENSMUSG0 Prol1	24.31519	-4.95296	1.08755	-4.55424	5.26E-06	0.001033
1	ENSMUSG0 Zfp951	94.03741	-5.49241	1.101055	-4.98832	6.09E-07	0.000212
1	ENSMUSG0 Mucl2	47.99294	-7.81493	1.315553	-5.94041	2.84E-09	3.85E-06
1	ENSMUSG0 Klf1	28.16056	-8.01438	2.183284	-3.67079	0.000242	0.014255
1	ENSMUSG0 Bpifa2	38.42648	-8.46335	2.22965	-3.79582	0.000147	0.010077

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number	ensembl	symbol	Drug_VS_D	Drug_VS_D	Drug_VS_D	Drug_VS_D	Drug_VS_D	Drug_VS_D
1	ENSMUSG0	Dbn1	7.419636	5.834642	1.255205	4.648358	3.35E-06	2.92E-05
2	ENSMUSG0	Gm4610	5.600916	4.437013	1.270425	3.492543	0.000478	0.002467
3	ENSMUSG0	Gimap7	5.271569	4.348041	1.295316	3.356741	0.000789	0.003813
4	ENSMUSG0	Dnm3	19.4088	4.34071	0.79074	5.489429	4.03E-08	5.17E-07
5	ENSMUSG0	Gm18853	4.262977	4.023586	1.310605	3.070021	0.00214	0.009044
6	ENSMUSG0	Btnl2	10.74269	3.874048	0.913804	4.239476	2.24E-05	0.000163
7	ENSMUSG0	Itgal	32.87437	3.76167	0.544204	6.912248	4.77E-12	1.16E-10
8	ENSMUSG0	Colq	9.266189	3.671047	0.905724	4.053161	5.05E-05	0.000339
9	ENSMUSG0	Lrrc25	6.180223	3.664126	1.121262	3.26786	0.001084	0.005017
10	ENSMUSG0	Ly6c2	16.93697	3.295531	0.630715	5.225068	1.74E-07	1.98E-06
11	ENSMUSG0	Plxnb3	6.594188	3.160887	0.946185	3.340666	0.000836	0.003995
12	ENSMUSG0	Sh2d6	48.30972	3.087996	0.36103	8.553292	1.20E-17	5.57E-16
13	ENSMUSG0	Fcgr3	20.11366	3.021009	0.537568	5.619773	1.91E-08	2.60E-07
14	ENSMUSG0	Ildr1	8.09708	3.012538	0.840403	3.584637	0.000338	0.001815
15	ENSMUSG0	Prf1	29.26523	2.968221	0.460573	6.444626	1.16E-10	2.31E-09
16	ENSMUSG0	Pira2	7.640154	2.925765	0.841264	3.477819	0.000506	0.00259
17	ENSMUSG0	Gramd1b	11.31373	2.912395	0.673686	4.323074	1.54E-05	0.000117
18	ENSMUSG0	Gm11827	5.523048	2.869893	0.960733	2.987191	0.002816	0.011437
19	ENSMUSG0	Cdh6	7.048002	2.823468	0.846257	3.336417	0.000849	0.004053
20	ENSMUSG0	Pira1	5.303042	2.808373	0.967009	2.904184	0.003682	0.014408
21	ENSMUSG0	Ddx58	103.6096	2.773155	0.238753	11.61514	3.45E-31	4.23E-29
22	ENSMUSG0	Nxpe4	11.91527	2.766522	0.66805	4.141191	3.46E-05	0.00024
23	ENSMUSG0	Map3k19	4.829699	2.667675	0.978726	2.72566	0.006417	0.02312
24	ENSMUSG0	Fgd4	6.477756	2.659076	0.850219	3.12752	0.001763	0.00762
25	ENSMUSG0	Ptgir	29.24244	2.609391	0.419339	6.222623	4.89E-10	8.81E-09
26	ENSMUSG0	Lamb3	10.53534	2.54194	0.693784	3.663878	0.000248	0.001377
27	ENSMUSG0	Cxcr5	34.97915	2.514331	0.387513	6.488385	8.68E-11	1.77E-09
28	ENSMUSG0	Pla2g7	4.307801	2.500254	1.013388	2.467224	0.013617	0.043577
29	ENSMUSG0	H2-DMb2	76.04674	2.485941	0.259262	9.588519	8.94E-22	5.73E-20
30	ENSMUSG0	Cfap54	8.61215	2.485571	0.743071	3.344999	0.000823	0.003949
31	ENSMUSG0	Gimap6	190.7283	2.45394	0.16104	15.2381	1.98E-52	6.63E-50
32	ENSMUSG0	Rbpjl	19.44799	2.445058	0.469605	5.206631	1.92E-07	2.17E-06
33	ENSMUSG0	Ankrd55	38.58516	2.438853	0.376762	6.473195	9.60E-11	1.94E-09
34	ENSMUSG0	Ms4a1	136.5361	2.411907	0.189021	12.76001	2.74E-37	4.37E-35
35	ENSMUSG0	Gm5547	24.40962	2.409708	0.429617	5.608967	2.04E-08	2.75E-07
36	ENSMUSG0	St3gal6	28.37295	2.390466	0.421806	5.667218	1.45E-08	2.03E-07
37	ENSMUSG0	Slc52a3	8.046485	2.389632	0.725013	3.295985	0.000981	0.004595
38	ENSMUSG0	Rapgef4	13.31915	2.374075	0.565506	4.19814	2.69E-05	0.000192
39	ENSMUSG0	LOC102636	9.045762	2.34572	0.688819	3.405422	0.000661	0.003269
40	ENSMUSG0	Gimap5	5.239579	2.327597	0.907491	2.564872	0.010321	0.034527
41	ENSMUSG0	Gvin1	390.4697	2.326824	0.142304	16.35112	4.27E-60	1.94E-57
42	ENSMUSG0	Cd101	7.77177	2.325334	0.797232	2.91676	0.003537	0.013906
43	ENSMUSG0	Cybb	118.3772	2.299578	0.247636	9.286117	1.60E-20	9.33E-19
44	ENSMUSG0	Klrb1	19.92892	2.271345	0.453272	5.010998	5.41E-07	5.56E-06
45	ENSMUSG0	Gm15880	16.04525	2.258607	0.485125	4.655717	3.23E-06	2.82E-05
46	ENSMUSG0	Pirb	41.80365	2.251828	0.315996	7.126123	1.03E-12	2.74E-11
47	ENSMUSG0	Gm4070	330.4838	2.247282	0.14526	15.47071	5.47E-54	1.97E-51

48	ENSMUSG0 Lair1	14.74381	2.245196	0.523319	4.290304	1.78E-05	0.000133
49	ENSMUSG0 Sidt1	7.341124	2.242206	0.744418	3.012024	0.002595	0.010645
50	ENSMUSG0 Slamf9	109.3115	2.217	0.212521	10.43193	1.77E-25	1.49E-23
51	ENSMUSG0 Rnase6	33.44156	2.198031	0.352014	6.244157	4.26E-10	7.79E-09
52	ENSMUSG0 Fndc7	4.825448	2.19271	0.885937	2.475019	0.013323	0.042744
53	ENSMUSG0 Rcan2	35.72648	2.186683	0.333918	6.548559	5.81E-11	1.22E-09
54	ENSMUSG0 Samd9l	242.7168	2.1188	0.135927	15.58773	8.82E-55	3.24E-52
55	ENSMUSG0 Ffar2	6.730665	2.117501	0.730242	2.899727	0.003735	0.014581
56	ENSMUSG0 LOC671911	36.84735	2.096444	0.321292	6.525046	6.80E-11	1.42E-09
57	ENSMUSG0 Eno2	10.05202	2.081591	0.617447	3.371286	0.000748	0.003644
58	ENSMUSG0 Ly6a	7.730365	2.073955	0.728446	2.847095	0.004412	0.016763
59	ENSMUSG0 Gh	16.56578	2.073781	0.49133	4.220748	2.43E-05	0.000176
60	ENSMUSG0 Plxnc1	17.51453	2.065714	0.459023	4.500244	6.79E-06	5.54E-05
61	ENSMUSG0 Evi2	16.44808	2.055009	0.474339	4.332365	1.48E-05	0.000112
62	ENSMUSG0 Selp	6.555297	2.048144	0.762669	2.685496	0.007242	0.025572
63	ENSMUSG0 Fcrl1	167.3861	2.040795	0.16136	12.6475	1.15E-36	1.77E-34
64	ENSMUSG0 Pinlyp	78.96731	2.038046	0.236302	8.624738	6.42E-18	3.08E-16
65	ENSMUSG0 Zc3h12d	118.5597	2.034277	0.224107	9.077251	1.11E-19	6.12E-18
66	ENSMUSG0 Cd93	405.7379	2.032359	0.134721	15.08571	2.01E-51	6.47E-49
67	ENSMUSG0 Extl1	46.48126	2.03115	0.282265	7.195907	6.20E-13	1.70E-11
68	ENSMUSG0 Pik3cg	110.4771	2.02326	0.212877	9.504372	2.01E-21	1.27E-19
69	ENSMUSG0 Lax1	227.9875	2.020967	0.159199	12.69463	6.33E-37	9.78E-35
70	ENSMUSG0 Nyap1	16.21473	2.019229	0.493901	4.08833	4.34E-05	0.000295
71	ENSMUSG0 Pcyt1b	9.411286	2.008991	0.658176	3.052363	0.00227	0.009505
72	ENSMUSG0 Wfdc21	6.283107	2.000632	0.758341	2.638169	0.008335	0.028859
73	ENSMUSG0 Gtsf1	10.41929	1.987218	0.58665	3.387403	0.000706	0.003468
74	ENSMUSG0 Gm21057	5.221055	1.985052	0.813624	2.439767	0.014697	0.046277
75	ENSMUSG0 Cnr2	89.87708	1.979476	0.227391	8.705174	3.17E-18	1.55E-16
76	ENSMUSG0 Nlrp3	23.04709	1.974645	0.399031	4.948595	7.48E-07	7.46E-06
77	ENSMUSG0 Ms4a4c	7.3416	1.97198	0.762581	2.585928	0.009712	0.032879
78	ENSMUSG0 Gm7609	68.0986	1.963623	0.24451	8.030864	9.68E-16	3.71E-14
79	ENSMUSG0 Cd86	117.3885	1.953422	0.184522	10.58637	3.45E-26	3.04E-24
80	ENSMUSG0 Slc14a1	6.166205	1.949533	0.771977	2.525379	0.011557	0.038011
81	ENSMUSG0 Rasgrp3	33.60038	1.934277	0.320628	6.032784	1.61E-09	2.70E-08
82	ENSMUSG0 Cyp4f18	39.31278	1.933017	0.325209	5.943918	2.78E-09	4.46E-08
83	ENSMUSG0 Trim63	72.48161	1.931933	0.260299	7.421983	1.15E-13	3.45E-12
84	ENSMUSG0 Nxph4	6.102616	1.930849	0.762447	2.532436	0.011327	0.037375
85	ENSMUSG0 Neurl3	235.1606	1.925088	0.14267	13.49324	1.71E-41	3.63E-39
86	ENSMUSG0 2010300C1	41.28568	1.893199	0.291375	6.49746	8.17E-11	1.67E-09
87	ENSMUSG0 Ahnak2	9.783378	1.871128	0.629975	2.97016	0.002976	0.012004
88	ENSMUSG0 Ptpn22	23.02741	1.849408	0.416046	4.445205	8.78E-06	7.00E-05
89	ENSMUSG0 Sema4g	978.9736	1.845039	0.094506	19.52298	7.00E-85	9.83E-82
90	ENSMUSG0 Fut1	6.761237	1.841411	0.742159	2.481154	0.013096	0.042155
91	ENSMUSG0 St14	11.3962	1.833573	0.581366	3.153902	0.001611	0.007068
92	ENSMUSG0 Enpp6	6.643263	1.832549	0.732042	2.503337	0.012303	0.040096
93	ENSMUSG0 Themis2	416.5035	1.831056	0.107841	16.97916	1.17E-64	6.96E-62
94	ENSMUSG0 Camkk1	26.781	1.828604	0.365693	5.000379	5.72E-07	5.84E-06
95	ENSMUSG0 Csprs	72.80885	1.827022	0.241576	7.562932	3.94E-14	1.25E-12

96	ENSMUSG0 F11r	21.13896	1.826325	0.404367	4.516508	6.29E-06	5.16E-05
97	ENSMUSG0 Tead2	40.54313	1.815764	0.291034	6.239011	4.40E-10	8.03E-09
98	ENSMUSG0 AW112010	9.390625	1.815088	0.598237	3.034061	0.002413	0.010001
99	ENSMUSG0 Slc47a2	17.57736	1.794021	0.447618	4.007932	6.13E-05	0.000402
100	ENSMUSG0 Bspry	220.5556	1.789914	0.157798	11.34306	8.03E-30	9.26E-28
101	ENSMUSG0 Pla2g4d	10.17979	1.786561	0.570612	3.130957	0.001742	0.00755
102	ENSMUSG0 Grk1	7.461792	1.785437	0.659339	2.707919	0.006771	0.0241
103	ENSMUSG0 Sla	614.4801	1.784031	0.086674	20.58334	3.87E-94	8.54E-91
104	ENSMUSG0 Cd52	470.7387	1.781606	0.105781	16.8424	1.19E-63	6.36E-61
105	ENSMUSG0 Nupr1	11.2089	1.779505	0.547111	3.252548	0.001144	0.005263
106	ENSMUSG0 B3gnt5	208.2075	1.773141	0.136502	12.98986	1.40E-38	2.45E-36
107	ENSMUSG0 Adamtsl4	81.57603	1.754851	0.221216	7.932754	2.14E-15	7.92E-14
108	ENSMUSG0 Il12rb1	16.18958	1.752354	0.456421	3.839333	0.000123	0.000739
109	ENSMUSG0 Tmem26	46.29309	1.746885	0.267558	6.528988	6.62E-11	1.38E-09
110	ENSMUSG0 Rab30	18.90502	1.74082	0.403133	4.318231	1.57E-05	0.000119
111	ENSMUSG0 Cdkn1a	90.67472	1.734418	0.198641	8.731402	2.52E-18	1.25E-16
112	ENSMUSG0 Cd55os	59.08427	1.716914	0.272935	6.290554	3.16E-10	5.87E-09
113	ENSMUSG0 LOC100503	22.09284	1.713523	0.399107	4.293394	1.76E-05	0.000132
114	ENSMUSG0 Rbpms	9.702549	1.708399	0.577776	2.956854	0.003108	0.012432
115	ENSMUSG0 17000300	7.025566	1.706329	0.656783	2.598012	0.009377	0.031926
116	ENSMUSG0 Acsbg1	22.0167	1.701991	0.382056	4.454823	8.40E-06	6.73E-05
117	ENSMUSG0 Zfyve28	60.68062	1.699307	0.294399	5.772126	7.83E-09	1.16E-07
118	ENSMUSG0 Acvrl1	12.40004	1.699234	0.51354	3.308862	0.000937	0.004408
119	ENSMUSG0 Pld4	999.4768	1.693495	0.081516	20.77505	7.28E-96	2.25E-92
120	ENSMUSG0 Lsr	13.1403	1.687332	0.492604	3.42533	0.000614	0.003069
121	ENSMUSG0 Rcn3	13.79721	1.676988	0.489313	3.427228	0.00061	0.003053
122	ENSMUSG0 Csf2rb	143.6138	1.675842	0.15446	10.84966	2.00E-27	1.93E-25
123	ENSMUSG0 Igsf9	115.1402	1.67269	0.176888	9.456204	3.19E-21	1.98E-19
124	ENSMUSG0 Pik3r6	39.20588	1.665669	0.322367	5.166995	2.38E-07	2.61E-06
125	ENSMUSG0 Efcab12	35.32207	1.659262	0.320232	5.181438	2.20E-07	2.44E-06
126	ENSMUSG0 Soccs3	10.16571	1.654094	0.579476	2.854464	0.004311	0.016423
127	ENSMUSG0 Slc16a12	8.549414	1.653497	0.609046	2.714895	0.00663	0.023713
128	ENSMUSG0 Marveld3	14.37793	1.652644	0.492594	3.354981	0.000794	0.00383
129	ENSMUSG0 F7303110	112.3526	1.639679	0.199218	8.230592	1.86E-16	7.76E-15
130	ENSMUSG0 Il33	6.723131	1.632071	0.666316	2.449396	0.01431	0.04528
131	ENSMUSG0 H1f5	10.96328	1.628234	0.547112	2.97605	0.00292	0.011808
132	ENSMUSG0 Irgc1	22.51645	1.625416	0.392836	4.137643	3.51E-05	0.000244
133	ENSMUSG0 Cdh23	26.9036	1.624847	0.332547	4.886066	1.03E-06	9.93E-06
134	ENSMUSG0 Ly6d	324.1395	1.621666	0.119402	13.58157	5.15E-42	1.12E-39
135	ENSMUSG0 Slc6a21	11.79435	1.615629	0.532573	3.03363	0.002416	0.010011
136	ENSMUSG0 Pgm5	11.72806	1.612402	0.523571	3.079624	0.002073	0.008772
137	ENSMUSG0 Tll2	11.71722	1.61182	0.527575	3.055147	0.00225	0.009433
138	ENSMUSG0 Gm42372	18.99531	1.609228	0.418871	3.841823	0.000122	0.000733
139	ENSMUSG0 Cyth4	138.3485	1.608301	0.15705	10.24068	1.30E-24	1.03E-22
140	ENSMUSG0 Sema3g	74.74296	1.607726	0.211798	7.590847	3.18E-14	1.02E-12
141	ENSMUSG0 Ly6m	13.16557	1.607618	0.513168	3.132732	0.001732	0.007515
142	ENSMUSG0 Best1	15.04764	1.604495	0.446959	3.589804	0.000331	0.001783
143	ENSMUSG0 Platr7	53.79501	1.604203	0.25037	6.407333	1.48E-10	2.90E-09

144	ENSMUSG0 Clec2f	9.179026	1.60232	0.575653	2.783484	0.005378	0.019877
145	ENSMUSG0 Agbl1	22.267	1.594306	0.385175	4.139174	3.49E-05	0.000242
146	ENSMUSG0 Cd80	44.39383	1.587922	0.281731	5.636312	1.74E-08	2.39E-07
147	ENSMUSG0 Slc2a6	278.4217	1.583974	0.118249	13.3952	6.45E-41	1.29E-38
148	ENSMUSG0 Gm8369	153.0265	1.583804	0.169097	9.366246	7.52E-21	4.48E-19
149	ENSMUSG0 Rom1	62.27762	1.583395	0.222485	7.116877	1.10E-12	2.92E-11
150	ENSMUSG0 Ncf1	48.00015	1.577695	0.281016	5.614253	1.97E-08	2.68E-07
151	ENSMUSG0 Cdh5	44.08713	1.574959	0.269484	5.844347	5.09E-09	7.82E-08
152	ENSMUSG0 Mr1	116.1621	1.569602	0.169155	9.279088	1.71E-20	9.93E-19
153	ENSMUSG0 H2-Oa	37.95437	1.56033	0.298276	5.231155	1.68E-07	1.92E-06
154	ENSMUSG0 Krt18	16.2692	1.555239	0.459321	3.385951	0.000709	0.003483
155	ENSMUSG0 Tmem154	18.37366	1.54302	0.459104	3.360941	0.000777	0.003765
156	ENSMUSG0 Hcst	22.53264	1.540498	0.371878	4.142477	3.44E-05	0.000239
157	ENSMUSG0 Dennd3	451.3927	1.539305	0.109505	14.05689	6.99E-45	1.64E-42
158	ENSMUSG0 Gm5431	12.69186	1.535938	0.559995	2.742772	0.006092	0.022144
159	ENSMUSG0 Bmf	495.3138	1.535797	0.114311	13.43523	3.76E-41	7.64E-39
160	ENSMUSG0 Ppp1r18	250.147	1.534034	0.112602	13.62345	2.91E-42	6.41E-40
161	ENSMUSG0 Pmel	19.00695	1.532805	0.402094	3.812061	0.000138	0.000816
162	ENSMUSG0 Slfn5	8.735052	1.528767	0.594775	2.570327	0.01016	0.034128
163	ENSMUSG0 Cd180	97.39169	1.525293	0.185771	8.21063	2.20E-16	9.06E-15
164	ENSMUSG0 Smpdl3a	83.31936	1.523432	0.187928	8.106451	5.21E-16	2.04E-14
165	ENSMUSG0 Mcoln3	39.01913	1.520753	0.334929	4.540518	5.61E-06	4.66E-05
166	ENSMUSG0 Prickle3	29.02424	1.517568	0.319264	4.753327	2.00E-06	1.83E-05
167	ENSMUSG0 Tlr1	85.36959	1.517293	0.195393	7.765327	8.14E-15	2.82E-13
168	ENSMUSG0 B430306N	10.9578	1.514932	0.511724	2.960447	0.003072	0.012312
169	ENSMUSG0 Traf1	24.26959	1.512796	0.395896	3.821194	0.000133	0.000791
170	ENSMUSG0 Adora2a	46.42444	1.511655	0.251416	6.012562	1.83E-09	3.03E-08
171	ENSMUSG0 Exoc3l2	7.765601	1.506516	0.621453	2.424181	0.015343	0.04797
172	ENSMUSG0 F5	27.15776	1.50004	0.338842	4.426966	9.56E-06	7.57E-05
173	ENSMUSG0 Cd2	349.3926	1.49841	0.112773	13.28695	2.76E-40	5.46E-38
174	ENSMUSG0 Clip2	190.0136	1.49762	0.146025	10.25591	1.11E-24	8.86E-23
175	ENSMUSG0 Ddx43	11.54014	1.487869	0.507991	2.928925	0.003401	0.013442
176	ENSMUSG0 Cpne5	18.65795	1.486219	0.441768	3.364252	0.000768	0.003723
177	ENSMUSG0 Zfp36l1	287.1968	1.484666	0.152981	9.704892	2.87E-22	1.90E-20
178	ENSMUSG0 Gm8995	2074.102	1.470709	0.089477	16.43682	1.04E-60	4.88E-58
179	ENSMUSG0 Inpp4b	12.96819	1.463966	0.481525	3.040267	0.002364	0.009861
180	ENSMUSG0 Kif9	40.85575	1.456147	0.317219	4.590346	4.43E-06	3.76E-05
181	ENSMUSG0 Tgfb3	217.8609	1.455259	0.131307	11.08285	1.52E-28	1.58E-26
182	ENSMUSG0 Tnfrsf13c	269.0245	1.454748	0.12766	11.39548	4.40E-30	5.15E-28
183	ENSMUSG0 Slc39a4	12.86786	1.453332	0.479175	3.032989	0.002421	0.010023
184	ENSMUSG0 Cd74	5267.202	1.453309	0.077409	18.77442	1.22E-78	1.45E-75
185	ENSMUSG0 Tle2	63.61186	1.447776	0.228039	6.348794	2.17E-10	4.17E-09
186	ENSMUSG0 Pkd1l2	17.44565	1.445881	0.418869	3.451867	0.000557	0.002817
187	ENSMUSG0 Rhof	179.8486	1.438682	0.146936	9.791199	1.23E-22	8.36E-21
188	ENSMUSG0 Dkk1	11.21049	1.43712	0.527219	2.725853	0.006414	0.02312
189	ENSMUSG0 Tlr12	69.19868	1.437011	0.207125	6.937905	3.98E-12	9.76E-11
190	ENSMUSG0 Il21r	24.81725	1.434125	0.347449	4.12759	3.67E-05	0.000254
191	ENSMUSG0 Scn8a	23.0981	1.433953	0.401159	3.574529	0.000351	0.001879

192	ENSMUSG0 Ifi47	97.4857	1.432924	0.173187	8.273847	1.30E-16	5.52E-15
193	ENSMUSG0 Ddx4	14.85072	1.427994	0.450557	3.169396	0.001528	0.006735
194	ENSMUSG0 Tg	30.01544	1.426635	0.315526	4.521452	6.14E-06	5.05E-05
195	ENSMUSG0 Derl3	1010.209	1.424351	0.072519	19.64119	6.88E-86	1.06E-82
196	ENSMUSG0 Snai3	88.10869	1.422967	0.182456	7.798969	6.24E-15	2.19E-13
197	ENSMUSG0 Gm15326	25.22241	1.418775	0.34487	4.113942	3.89E-05	0.000268
198	ENSMUSG0 C5ar2	10.47916	1.418054	0.516918	2.743288	0.006083	0.022124
199	ENSMUSG0 Efna1	98.728	1.41795	0.17813	7.960212	1.72E-15	6.42E-14
200	ENSMUSG0 LOC66478	48.42987	1.416314	0.262891	5.387447	7.15E-08	8.73E-07
201	ENSMUSG0 9930111J2	378.4022	1.415947	0.1216	11.64433	2.45E-31	3.08E-29
202	ENSMUSG0 Cmah	2035.815	1.410313	0.067866	20.78093	6.44E-96	2.25E-92
203	ENSMUSG0 Sema7a	29.64744	1.405358	0.34886	4.02843	5.62E-05	0.000372
204	ENSMUSG0 Fcamr	18.35525	1.399432	0.445724	3.139681	0.001691	0.00736
205	ENSMUSG0 Cd40	113.9748	1.396596	0.167189	8.353377	6.63E-17	2.90E-15
206	ENSMUSG0 Serpini1	66.43961	1.385726	0.213899	6.478423	9.27E-11	1.88E-09
207	ENSMUSG0 Tsnaxip1	12.27939	1.375325	0.475629	2.891595	0.003833	0.014885
208	ENSMUSG0 Itgam	42.03127	1.373659	0.261075	5.261557	1.43E-07	1.66E-06
209	ENSMUSG0 Lifr	34.73979	1.37059	0.284253	4.821723	1.42E-06	1.34E-05
210	ENSMUSG0 Cd55	597.528	1.364869	0.09613	14.19814	9.41E-46	2.38E-43
211	ENSMUSG0 Pde4c	466.4674	1.361392	0.103061	13.20962	7.72E-40	1.45E-37
212	ENSMUSG0 Scn4a	411.2152	1.361144	0.106162	12.82136	1.24E-37	2.07E-35
213	ENSMUSG0 Cd69	28.79922	1.358744	0.3478	3.906678	9.36E-05	0.000581
214	ENSMUSG0 Tmsb4x	4124.453	1.356033	0.06826	19.8658	8.05E-88	1.38E-84
215	ENSMUSG0 Il10ra	548.5648	1.355321	0.08568	15.81847	2.32E-56	8.96E-54
216	ENSMUSG0 Nlrc4	110.7375	1.353372	0.174942	7.736124	1.02E-14	3.50E-13
217	ENSMUSG0 Itgb7	752.9709	1.343722	0.090751	14.80671	1.33E-49	3.86E-47
218	ENSMUSG0 Lbh	541.9467	1.337388	0.103622	12.90644	4.14E-38	7.11E-36
219	ENSMUSG0 Tm6sf1	81.34673	1.333635	0.244547	5.453504	4.94E-08	6.23E-07
220	ENSMUSG0 Kcnb1	103.1943	1.333253	0.191396	6.965946	3.26E-12	8.14E-11
221	ENSMUSG0 Gimap1	42.79084	1.323483	0.256146	5.166903	2.38E-07	2.61E-06
222	ENSMUSG0 Tbc1d2	40.48526	1.315598	0.304427	4.321559	1.55E-05	0.000117
223	ENSMUSG0 Cacnb4	57.39937	1.315116	0.223818	5.875822	4.21E-09	6.57E-08
224	ENSMUSG0 Plgrkt	184.5935	1.31228	0.1465	8.95754	3.32E-19	1.76E-17
225	ENSMUSG0 Bcl6	16.71516	1.310154	0.429748	3.048653	0.002299	0.00961
226	ENSMUSG0 H2-DMa	54.8739	1.309018	0.254291	5.147715	2.64E-07	2.87E-06
227	ENSMUSG0 Rhobtb1	60.67664	1.30771	0.230775	5.66661	1.46E-08	2.03E-07
228	ENSMUSG0 Sp100	1554.32	1.307221	0.073276	17.83968	3.48E-71	2.98E-68
229	ENSMUSG0 Cdh17	94.32627	1.306839	0.218486	5.981332	2.21E-09	3.61E-08
230	ENSMUSG0 Lrrc36	14.64508	1.303798	0.455265	2.863822	0.004186	0.016028
231	ENSMUSG0 Irak2	63.29934	1.301367	0.225586	5.768825	7.98E-09	1.18E-07
232	ENSMUSG0 Ripor2	491.0354	1.300284	0.08598	15.12308	1.14E-51	3.75E-49
233	ENSMUSG0 Naip1	62.5028	1.297627	0.256644	5.056135	4.28E-07	4.47E-06
234	ENSMUSG0 Slc30a2	15.2056	1.294522	0.435164	2.97479	0.002932	0.011853
235	ENSMUSG0 Trp53inp1	6067.378	1.291358	0.071097	18.16332	1.01E-73	9.15E-71
236	ENSMUSG0 Lpp	61.78443	1.291216	0.229267	5.631925	1.78E-08	2.44E-07
237	ENSMUSG0 9930111J2	207.7868	1.288776	0.150153	8.583102	9.23E-18	4.36E-16
238	ENSMUSG0 Selenop	96.86017	1.2879	0.170366	7.559585	4.04E-14	1.28E-12
239	ENSMUSG0 Trpv2	554.0313	1.286136	0.077343	16.6291	4.29E-62	2.07E-59

240	ENSMUSG0 Krt222	221.6291	1.283982	0.127771	10.0491	9.27E-24	6.79E-22
241	ENSMUSG0 LOC10004:	226.2227	1.283867	0.13567	9.463177	2.99E-21	1.87E-19
242	ENSMUSG0 Tnnt1	26.72656	1.282611	0.349427	3.670616	0.000242	0.001347
243	ENSMUSG0 Tle6	227.7369	1.280925	0.118567	10.80341	3.32E-27	3.14E-25
244	ENSMUSG0 Endou	275.3744	1.280375	0.132384	9.671649	3.98E-22	2.58E-20
245	ENSMUSG0 Dennd1c	161.1308	1.278128	0.151675	8.42678	3.55E-17	1.60E-15
246	ENSMUSG0 Gm12504	22.60146	1.277606	0.349157	3.659112	0.000253	0.001399
247	ENSMUSG0 Tns2	139.6982	1.277369	0.177867	7.181604	6.89E-13	1.88E-11
248	ENSMUSG0 A530010L1	28.28124	1.274972	0.321212	3.969257	7.21E-05	0.000464
249	ENSMUSG0 Bcar3	53.30243	1.272823	0.247831	5.135843	2.81E-07	3.04E-06
250	ENSMUSG0 Bex6	13.692	1.272262	0.48136	2.643056	0.008216	0.028477
251	ENSMUSG0 Myo5c	21.91012	1.268131	0.358691	3.535445	0.000407	0.002134
252	ENSMUSG0 Gm32200	65.83286	1.264904	0.209938	6.025141	1.69E-09	2.82E-08
253	ENSMUSG0 Tyrobp	42.037	1.263266	0.262596	4.810677	1.50E-06	1.41E-05
254	ENSMUSG0 Hivep3	23.70648	1.261827	0.362751	3.47849	0.000504	0.002584
255	ENSMUSG0 Evi2a	76.52398	1.261229	0.204894	6.155523	7.48E-10	1.31E-08
256	ENSMUSG0 Cd37	2859.443	1.257343	0.059207	21.23655	4.39E-100	3.39E-96
257	ENSMUSG0 Phf11b	55.38717	1.250604	0.221367	5.649473	1.61E-08	2.23E-07
258	ENSMUSG0 4930558J1	84.2195	1.249125	0.191199	6.533124	6.44E-11	1.35E-09
259	ENSMUSG0 Dlg4	25.66292	1.243432	0.326005	3.814146	0.000137	0.000809
260	ENSMUSG0 Aig1	40.9368	1.241099	0.260588	4.762685	1.91E-06	1.75E-05
261	ENSMUSG0 H2-Eb2	518.413	1.239497	0.096775	12.80801	1.48E-37	2.43E-35
262	ENSMUSG0 Myadm	240.6888	1.236787	0.116099	10.65287	1.69E-26	1.53E-24
263	ENSMUSG0 Carns1	77.56664	1.23449	0.189482	6.515073	7.27E-11	1.50E-09
264	ENSMUSG0 Aox2	86.09051	1.233874	0.195756	6.303109	2.92E-10	5.45E-09
265	ENSMUSG0 H4c12	26.16691	1.233603	0.330203	3.735897	0.000187	0.001076
266	ENSMUSG0 Fam214b	36.95732	1.23346	0.27996	4.405851	1.05E-05	8.28E-05
267	ENSMUSG0 E230029CC	29.38134	1.233144	0.317952	3.878398	0.000105	0.000644
268	ENSMUSG0 Nlrp10	76.71124	1.231765	0.233744	5.269721	1.37E-07	1.60E-06
269	ENSMUSG0 S1pr1	1593.149	1.231414	0.055956	22.00699	2.47E-107	3.81E-103
270	ENSMUSG0 Glipr1	13.8268	1.228366	0.498835	2.462468	0.013798	0.044014
271	ENSMUSG0 Syt11	89.19655	1.22737	0.193655	6.337922	2.33E-10	4.44E-09
272	ENSMUSG0 Bank1	350.6214	1.221037	0.107305	11.37914	5.31E-30	6.17E-28
273	ENSMUSG0 Upb1	98.41571	1.220272	0.18534	6.583977	4.58E-11	9.79E-10
274	ENSMUSG0 H2-Eb1	736.8227	1.21717	0.07971	15.27	1.21E-52	4.16E-50
275	ENSMUSG0 Hpgds	13.27074	1.215444	0.455788	2.666687	0.00766	0.026828
276	ENSMUSG0 Tlr6	72.79888	1.210058	0.20231	5.981212	2.21E-09	3.61E-08
277	ENSMUSG0 Rdh12	80.07951	1.209475	0.195871	6.174862	6.62E-10	1.17E-08
278	ENSMUSG0 Lgr5	235.4186	1.206032	0.123733	9.747024	1.90E-22	1.27E-20
279	ENSMUSG0 Adam6b	30.09624	1.204346	0.316993	3.799287	0.000145	0.000854
280	ENSMUSG0 4632428CC	21.66195	1.200401	0.346033	3.469034	0.000522	0.002664
281	ENSMUSG0 Lat2	116.0359	1.199987	0.161925	7.410746	1.26E-13	3.74E-12
282	ENSMUSG0 Sifn8	75.89051	1.19833	0.207125	5.785526	7.23E-09	1.08E-07
283	ENSMUSG0 Naip6	60.08256	1.198262	0.227962	5.25641	1.47E-07	1.70E-06
284	ENSMUSG0 Parvb	89.2613	1.196736	0.182246	6.5666	5.15E-11	1.09E-09
285	ENSMUSG0 Clec2g	28.32072	1.195072	0.353144	3.384095	0.000714	0.003499
286	ENSMUSG0 Mag	57.61652	1.194626	0.216623	5.51476	3.49E-08	4.55E-07
287	ENSMUSG0 Nmrk1	90.02554	1.192359	0.189702	6.28543	3.27E-10	6.04E-09

288	ENSMUSG0 Fam169b	223.0298	1.189595	0.114487	10.39065	2.73E-25	2.26E-23
289	ENSMUSG0 Cd53	1964.478	1.185577	0.057404	20.65307	9.16E-95	2.36E-91
290	ENSMUSG0 Atp6v0a1	274.9563	1.184522	0.122224	9.691437	3.28E-22	2.16E-20
291	ENSMUSG0 Dmpk	13.60349	1.181153	0.454208	2.60047	0.00931	0.031733
292	ENSMUSG0 Ms4a6b	27.07264	1.180771	0.344757	3.424936	0.000615	0.003071
293	ENSMUSG0 F930017D:	16.16379	1.179839	0.430325	2.741737	0.006112	0.022204
294	ENSMUSG0 Lynx1	20.2255	1.176762	0.366446	3.211284	0.001321	0.005958
295	ENSMUSG0 Amdhd1	26.39501	1.1745	0.331443	3.543594	0.000395	0.002081
296	ENSMUSG0 Btg1	1061.668	1.168495	0.069354	16.84819	1.08E-63	5.97E-61
297	ENSMUSG0 2810029C:	16.14902	1.167863	0.404538	2.886904	0.003891	0.015059
298	ENSMUSG0 Acp5	108.2271	1.163645	0.172803	6.733925	1.65E-11	3.72E-10
299	ENSMUSG0 Notum	20.55312	1.160839	0.387178	2.998205	0.002716	0.011084
300	ENSMUSG0 Zfp831	29.45071	1.160728	0.348325	3.332308	0.000861	0.004101
301	ENSMUSG0 Tec	383.8572	1.159144	0.10326	11.22547	3.06E-29	3.40E-27
302	ENSMUSG0 3300005D:	19.21805	1.154629	0.45014	2.565042	0.010316	0.034524
303	ENSMUSG0 Slc26a11	100.8808	1.151821	0.188261	6.118217	9.46E-10	1.64E-08
304	ENSMUSG0 Cc2d2b	28.48558	1.149318	0.32591	3.52649	0.000421	0.002201
305	ENSMUSG0 Stac2	149.0468	1.143649	0.147646	7.745876	9.49E-15	3.27E-13
306	ENSMUSG0 Pald1	38.89078	1.140748	0.278543	4.095417	4.21E-05	0.000288
307	ENSMUSG0 Nectin4	38.15887	1.140266	0.297627	3.831189	0.000128	0.000762
308	ENSMUSG0 Slfn2	16.44919	1.139872	0.429137	2.656196	0.007903	0.027564
309	ENSMUSG0 Ap3m2	41.69642	1.13933	0.274713	4.147342	3.36E-05	0.000234
310	ENSMUSG0 Phyhd1	27.34193	1.139255	0.340515	3.345686	0.000821	0.003944
311	ENSMUSG0 Padi3	28.45397	1.138872	0.309594	3.678593	0.000235	0.00131
312	ENSMUSG0 Pml	2331.696	1.13026	0.056848	19.88197	5.83E-88	1.13E-84
313	ENSMUSG0 Gask1a	15.12369	1.123873	0.435681	2.579577	0.009892	0.033336
314	ENSMUSG0 Syndig1l	83.66842	1.123514	0.194203	5.785264	7.24E-09	1.08E-07
315	ENSMUSG0 Slpi	172.9566	1.123147	0.132388	8.483734	2.18E-17	1.00E-15
316	ENSMUSG0 Klf3	310.26	1.122204	0.101139	11.09562	1.32E-28	1.38E-26
317	ENSMUSG0 Kifc2	43.60938	1.12178	0.251219	4.465339	7.99E-06	6.44E-05
318	ENSMUSG0 Krt80	27.67969	1.121713	0.314989	3.561122	0.000369	0.001964
319	ENSMUSG0 Entpd1	142.6047	1.120323	0.15608	7.177898	7.08E-13	1.92E-11
320	ENSMUSG0 Hesx1	66.44633	1.116336	0.195959	5.696796	1.22E-08	1.74E-07
321	ENSMUSG0 Card11	1706.893	1.116291	0.063962	17.45235	3.30E-68	2.22E-65
322	ENSMUSG0 Ifi27	31.23467	1.115961	0.300765	3.710405	0.000207	0.001174
323	ENSMUSG0 Ppfia3	28.10429	1.113802	0.312378	3.565561	0.000363	0.001933
324	ENSMUSG0 Bfsp2	14.26301	1.112041	0.429615	2.588459	0.009641	0.032684
325	ENSMUSG0 Soat1	57.57336	1.110584	0.217939	5.095852	3.47E-07	3.70E-06
326	ENSMUSG0 Aqp3	22.41859	1.110463	0.359286	3.090748	0.001997	0.008494
327	ENSMUSG0 Rab25	45.31445	1.106099	0.284593	3.886599	0.000102	0.000625
328	ENSMUSG0 Cyp4f16	125.834	1.104197	0.161473	6.838265	8.02E-12	1.88E-10
329	ENSMUSG0 Pipox	85.07243	1.101683	0.184252	5.979205	2.24E-09	3.65E-08
330	ENSMUSG0 Lgals3	75.12715	1.101005	0.195794	5.623295	1.87E-08	2.55E-07
331	ENSMUSG0 Plek	55.2871	1.10041	0.230092	4.782475	1.73E-06	1.60E-05
332	ENSMUSG0 Lgals4	70.45481	1.099363	0.200666	5.478563	4.29E-08	5.48E-07
333	ENSMUSG0 5830418P:	52.75513	1.097291	0.228825	4.795323	1.62E-06	1.51E-05
334	ENSMUSG0 Pdlim2	81.91844	1.093127	0.188395	5.802311	6.54E-09	9.86E-08
335	ENSMUSG0 Tmem173	924.6953	1.091515	0.064998	16.79295	2.75E-63	1.42E-60

336	ENSMUSG0 Etv5	131.8344	1.08981	0.16447	6.626209	3.44E-11	7.46E-10
337	ENSMUSG0 Chac1	109.0209	1.08823	0.183414	5.933182	2.97E-09	4.75E-08
338	ENSMUSG0 Slc28a2	251.0782	1.087112	0.108311	10.03697	1.05E-23	7.60E-22
339	ENSMUSG0 Hip1	274.049	1.081232	0.154442	7.000907	2.54E-12	6.44E-11
340	ENSMUSG0 Stoml1	506.6482	1.080938	0.08753	12.34934	4.91E-35	7.09E-33
341	ENSMUSG0 H2-T-ps	28.23507	1.079838	0.327816	3.294036	0.000988	0.00462
342	ENSMUSG0 Ai427809	30.27028	1.078802	0.314563	3.429527	0.000605	0.003033
343	ENSMUSG0 Arl4d	20.21224	1.078484	0.364194	2.961285	0.003064	0.01229
344	ENSMUSG0 Thy1	27.52505	1.078357	0.324374	3.32442	0.000886	0.004201
345	ENSMUSG0 Ifit2	38.86153	1.0782	0.278467	3.871915	0.000108	0.000657
346	ENSMUSG0 Gbp9	20.72904	1.075664	0.354373	3.035397	0.002402	0.009981
347	ENSMUSG0 Sit1	13.48259	1.074165	0.4382	2.451311	0.014234	0.045122
348	ENSMUSG0 Arid5a	634.5308	1.072505	0.072152	14.86456	5.60E-50	1.70E-47
349	ENSMUSG0 Tcn2	17.02016	1.071371	0.394397	2.716481	0.006598	0.02361
350	ENSMUSG0 Mgarp	335.8013	1.066672	0.11846	9.004495	2.17E-19	1.17E-17
351	ENSMUSG0 Tmem38a	34.67334	1.064762	0.267863	3.975025	7.04E-05	0.000454
352	ENSMUSG0 Snord83b	23.46949	1.064149	0.397269	2.678662	0.007392	0.026028
353	ENSMUSG0 Ms4a6c	45.94	1.063374	0.25358	4.193445	2.75E-05	0.000196
354	ENSMUSG0 Tjp3	24.26428	1.062905	0.324548	3.275035	0.001056	0.004903
355	ENSMUSG0 Vsir	393.3515	1.06167	0.105114	10.1002	5.51E-24	4.09E-22
356	ENSMUSG0 Fmnl3	274.5999	1.060602	0.101603	10.43867	1.65E-25	1.39E-23
357	ENSMUSG0 Blk	281.0954	1.056644	0.10706	9.869635	5.64E-23	3.92E-21
358	ENSMUSG0 Fcmlr	94.53839	1.05352	0.170761	6.169548	6.85E-10	1.20E-08
359	ENSMUSG0 Enpp4	47.3828	1.052723	0.236367	4.453767	8.44E-06	6.75E-05
360	ENSMUSG0 Gm9828	44.19211	1.051769	0.25521	4.121186	3.77E-05	0.00026
361	ENSMUSG0 Glipr2	92.71889	1.047123	0.189134	5.536421	3.09E-08	4.07E-07
362	ENSMUSG0 5830428M	191.2763	1.045952	0.142458	7.342195	2.10E-13	6.08E-12
363	ENSMUSG0 Acpp	33.05334	1.042306	0.295076	3.532325	0.000412	0.002159
364	ENSMUSG0 Ccdc88b	860.6809	1.036101	0.077088	13.44058	3.50E-41	7.20E-39
365	ENSMUSG0 Slc2a9	138.1539	1.036066	0.14373	7.20842	5.66E-13	1.56E-11
366	ENSMUSG0 Arhgap4	282.6657	1.033023	0.136276	7.580384	3.45E-14	1.11E-12
367	ENSMUSG0 Plcb2	156.6169	1.032605	0.140274	7.361349	1.82E-13	5.32E-12
368	ENSMUSG0 Ublcp1	194.7319	1.031982	0.122301	8.438063	3.23E-17	1.46E-15
369	ENSMUSG0 Parp3	66.33126	1.029845	0.195718	5.26189	1.43E-07	1.66E-06
370	ENSMUSG0 Tsc22d3	285.2184	1.026658	0.096997	10.58443	3.52E-26	3.09E-24
371	ENSMUSG0 Haa0	184.4094	1.02452	0.124869	8.204729	2.31E-16	9.47E-15
372	ENSMUSG0 Fam83g	15.97213	1.024256	0.416906	2.456804	0.014018	0.044585
373	ENSMUSG0 Icam1	286.4105	1.023729	0.103546	9.88672	4.75E-23	3.32E-21
374	ENSMUSG0 Sag	21.91698	1.023405	0.341782	2.994319	0.002751	0.011205
375	ENSMUSG0 Spns3	330.488	1.022066	0.100414	10.17847	2.47E-24	1.88E-22
376	ENSMUSG0 Gm5127	16.61943	1.021524	0.416153	2.454683	0.014101	0.044812
377	ENSMUSG0 Cacna1h	102.3082	1.021421	0.188969	5.405221	6.47E-08	7.97E-07
378	ENSMUSG0 Fgf11	147.3249	1.020018	0.149114	6.840511	7.89E-12	1.86E-10
379	ENSMUSG0 Scimp	18.93374	1.016098	0.361065	2.814165	0.00489	0.018283
380	ENSMUSG0 M1ap	34.18682	1.01342	0.278727	3.635889	0.000277	0.001521
381	ENSMUSG0 Mapk11	223.1388	1.008495	0.118952	8.478168	2.29E-17	1.05E-15
382	ENSMUSG0 Plk2	830.9467	1.007248	0.086744	11.61173	3.59E-31	4.37E-29
383	ENSMUSG0 Lgr6	30.51103	1.006422	0.320516	3.140002	0.001689	0.007354

384	ENSMUSG0	Tcp11l2	1258.256	1.004015	0.061435	16.34267	4.91E-60	2.17E-57
385	ENSMUSG0	Zswim5	16.56264	-1.01472	0.345864	-2.93388	0.003348	0.013267
386	ENSMUSG0	Itпка	35.59977	-1.04103	0.273707	-3.80343	0.000143	0.000842
387	ENSMUSG0	D630045J1	64.57395	-1.05279	0.204171	-5.15644	2.52E-07	2.74E-06
388	ENSMUSG0	Wdsub1	38.55246	-1.08695	0.253351	-4.29029	1.78E-05	0.000133
389	ENSMUSG0	Il17d	23.68499	-1.09681	0.295392	-3.71306	0.000205	0.001163
390	ENSMUSG0	Nkain1	28.09672	-1.1367	0.278255	-4.08508	4.41E-05	0.000299
391	ENSMUSG0	Gja3	10.93003	-1.15728	0.460108	-2.51524	0.011895	0.03897
392	ENSMUSG0	Tesmin	12.92368	-1.18538	0.407447	-2.90927	0.003623	0.014205
393	ENSMUSG0	Frmpd1	105.8248	-1.22027	0.139833	-8.72666	2.62E-18	1.30E-16
394	ENSMUSG0	Smoc1	112.04	-1.22052	0.147661	-8.2657	1.39E-16	5.88E-15
395	ENSMUSG0	Comtd1	27.53499	-1.22999	0.270144	-4.5531	5.29E-06	4.41E-05
396	ENSMUSG0	Slc16a3	71.73911	-1.23922	0.513393	-2.41378	0.015788	0.049024
397	ENSMUSG0	Endod1	23.26393	-1.28145	0.304288	-4.21129	2.54E-05	0.000183
398	ENSMUSG0	Tmem158	52.49718	-1.29521	0.217944	-5.94286	2.80E-09	4.49E-08
399	ENSMUSG0	Gpr63	27.6611	-1.30508	0.294435	-4.43249	9.32E-06	7.40E-05
400	ENSMUSG0	Ntn1	183.2865	-1.31596	0.129102	-10.1931	2.13E-24	1.66E-22
401	ENSMUSG0	Aatk	20.28717	-1.31604	0.331304	-3.97232	7.12E-05	0.000458
402	ENSMUSG0	Best3	22.20264	-1.31972	0.295064	-4.47268	7.72E-06	6.24E-05
403	ENSMUSG0	Adra2c	66.65057	-1.32603	0.175594	-7.55169	4.30E-14	1.35E-12
404	ENSMUSG0	Gab2	9.667921	-1.32952	0.476612	-2.78952	0.005279	0.019564
405	ENSMUSG0	Fbln1	8.045204	-1.32976	0.51395	-2.58733	0.009672	0.032777
406	ENSMUSG0	Tubb3	775.7411	-1.47892	0.082995	-17.8193	5.01E-71	4.07E-68
407	ENSMUSG0	Prkra	10.01019	-1.54213	0.487671	-3.16224	0.001566	0.006889
408	ENSMUSG0	Fzd4	9.025605	-1.55041	0.498432	-3.11058	0.001867	0.008012
409	ENSMUSG0	Ubap1l	6.493259	-1.57236	0.633204	-2.48319	0.013021	0.041959
410	ENSMUSG0	Prom1	76.86623	-1.58013	0.189845	-8.32325	8.56E-17	3.71E-15
411	ENSMUSG0	Clec2m	7.883032	-1.63051	0.586825	-2.77852	0.005461	0.020133
412	ENSMUSG0	Fsip2l	9.172377	-1.72057	0.503384	-3.41801	0.000631	0.003141
413	ENSMUSG0	Gp5	4.862595	-1.72694	0.652636	-2.6461	0.008143	0.028261
414	ENSMUSG0	Epb41l4b	9.304662	-1.8496	0.54136	-3.41659	0.000634	0.003153
415	ENSMUSG0	Vmn2r97	6.227493	-1.91109	0.640684	-2.9829	0.002855	0.011571
416	ENSMUSG0	Tal1	4.553817	-2.3489	0.713934	-3.29007	0.001002	0.00468
417	ENSMUSG0	Hrh3	5.436203	-2.90581	0.69367	-4.18903	2.80E-05	0.000199

