

Supplemental Table 3

GeneID	Length	L3_Ctrl-Expression	L3_cKO-Expression	log2FoldChange(L Padj)	Up/Down-R Pvalue	Symbol
382551	738	3.427280926	31.45992719	3.198378976	1.58E-05 Up	3.40E-09 Cd300ld3
66300	1697	5.353710902	40.66170744	2.925059656	0.000140649 Up	4.24E-08 Inafm1
67446	1491	2.893746742	18.31396995	2.661933991	0.002171657 Up	1.22E-06 Dusp28
BGI_novel_1	1778	2.26184504	11.12967888	2.298839969	0.011387464 Up	2.95E-05 NA
214639	1390	17.37953779	80.99494718	2.220442195	0.00488696 Up	4.94E-06 4930486L24Rik
27279	980	27.62415014	122.1152559	2.144241463	0.00560854 Up	9.66E-06 Tnfrsf12a
16009	2456	61.20884954	270.1035245	2.141700308	0.002462962 Up	1.70E-06 Igfbp3
385354	4647	4.778417292	18.99531752	1.991039075	0.017847561 Up	0.00013815 Frmd7
16619	889	119.3503352	472.3028539	1.984509635	0.017930932 Up	0.000152544 Klk1b27
21857	903	25.79953223	100.7505478	1.96537087	0.017930932 Up	0.000157099 Timp1
67706	771	3.371750959	13.07366113	1.955093322	0.022935054 Up	0.000374324 Tmem179b
17751	538	24.50715392	92.68743007	1.919170749	0.013374759 Up	4.04E-05 Mt3
77323	2312	6.700055694	24.96163915	1.897467681	0.01609485 Up	9.32E-05 9430041J12Rik
668489	1288	8.945998003	33.03829796	1.884825024	0.025157319 Up	0.00053876 Gm9f199
11830	1551	16.25521557	59.45559964	1.870910003	0.022968444 Up	0.000388746 Aqp5
1.01E+08	1776	6.51421633	23.70697512	1.863648059	0.024480702 Up	0.000494355 LOC100503496
22417	3823	17.00613998	61.75240073	1.860439507	0.017930932 Up	0.000155438 Txn1
59006	1153	13.33395144	48.24274387	1.855207586	0.020155113 Up	0.000253709 Myoz2
93714	4540	5.170181903	18.69531753	1.85439003	0.027310063 Up	0.000638102 Pcdhga6
BGI_novel_1	953	2.828767662	10.11478641	1.838220263	0.028636595 Up	0.00072218 NA
11552	3936	5.612320298	20.05485402	1.837282213	0.023464904 Up	0.000432997 Adra2b
213469	3197	7.136528912	25.45129107	1.834444394	0.020531715 Up	0.000273497 Lg13
16616	907	181.0892723	644.60335	1.831710602	0.022274541 Up	0.000346342 Klk1b21
19885	2627	36.75631274	130.4872226	1.827844591	0.01353896 Up	5.72E-05 Rorc
225266	4018	62.81303781	220.2211452	1.809817051	0.010206271 Up	2.34E-05 Kihl14
16867	1801	87.15383175	302.6434498	1.795983127	0.004257693 Up	3.49E-06 Lhcg9
69049	1350	32.28147549	111.9729678	1.794372057	0.014284057 Up	7.27E-05 Nat8f5
628900	2083	13.7733766	47.54360583	1.78736904	0.031567216 Up	0.000922016 Serpina3i
14266	4486	36.07773878	120.672122	1.741911596	0.01390321 Up	6.43E-05 Aff2
50905	2061	77.24124918	257.1188517	1.734991989	0.006529969 Up	1.15E-05 Il17rb
16494	5853	10.58979246	35.11510836	1.729417571	0.02972578 Up	0.000791936 Kcna6
30878	3148	165.1734997	542.4787112	1.715584282	0.00488696 Up	5.06E-06 Aplin
394435	2293	135.5107145	443.1117391	1.709263622	0.004979915 Up	7.51E-06 Ugt1a6b
380660	2175	23.77430569	77.70401823	1.708585996	0.019270576 Up	0.000202427 Accs3
16615	864	24.41158705	79.51013763	1.703572727	0.014284057 Up	7.21E-05 Klk1b16
BGI_novel_1	2906	11.69927765	38.05977058	1.701847409	0.027623379 Up	0.000657123 NA
20716	2084	183.6990639	596.0664624	1.698128927	0.045085169 Up	0.002027151 Serpina3n
381835	3152	3.459736574	11.17910046	1.692070005	0.045691225 Up	0.00209984 Sbk3
19659	2628	86.96504701	280.9498694	1.691805155	0.00560854 Up	9.39E-06 Rbp1
80890	7386	33.95969054	109.7059264	1.691746246	0.017959615 Up	0.000161826 Trim2
15490	4574	92.67282124	298.4095664	1.687075589	0.004716723 Up	4.27E-06 Hsd17b7
214531	3245	8.511556275	27.13909275	1.672877645	0.020677778 Up	0.000279917 Tmprss13
13646	855	31.39063878	99.89636217	1.670097755	0.028828332 Up	0.000739443 Klk1b22
140795	1666	9.508440814	30.16203706	1.665453174	0.018640709 Up	0.00017968 P2ry14
77552	1190	9.719570831	30.80258664	1.664086988	0.038375491 Up	0.001459628 Shisa4
11827	1416	131.3923515	414.002792	1.6557592	0.035789102 Up	0.001255916 Aqp2
210356	6942	67.40699698	211.358072	1.648718953	0.004898185 Up	6.22E-06 Nckap5
55948	1616	23.79108807	74.50450107	1.646906332	0.024629628 Up	0.000500443 Sfn
107587	1710	129.5259195	404.5873055	1.643210229	0.004898185 Up	6.25E-06 Osr2
68396	1274	87.46187869	273.1139691	1.642776863	0.01353896 Up	5.49E-05 Nat8
269019	3765	30.35897746	94.69216531	1.641121865	0.035605657 Up	0.001227082 Stk32a
77574	5036	66.78918823	208.0165318	1.639011704	0.01390321 Up	6.31E-05 Tcaf1
16617	899	171.1444944	532.9928037	1.638901172	0.047055195 Up	0.002218968 Klk1b24
210719	3201	8.252314255	25.57852384	1.632062341	0.036277926 Up	0.001298042 Mlx
58909	4300	20.90196013	64.31862924	1.621598419	0.016828865 Up	0.000108179 Fam13a
114664	1699	156.9229098	480.5960211	1.614768711	0.006883392 Up	1.25E-05 Hsd17b11
18767	3683	42.88140616	131.2823173	1.614248489	0.025687043 Up	0.000567724 Pkia
1E+08	4828	85.15457592	260.5132413	1.613200741	0.001566864 Up	8.11E-07 Uckl1os
68027	1696	7.510166268	22.73956392	1.598287834	0.044591294 Up	0.00197617 Tmem178
278097	2034	65.14039771	197.1811294	1.597897057	0.01353896 Up	4.75E-05 Armcx6
BGI_novel_1	3308	54.31463033	163.7768351	1.59231855	0.01497544 Up	8.13E-05 NA
66264	856	29.5167833	89.00086649	1.592283875	0.018393264 Up	0.000172856 Ccdc28b
319317	5243	290.1102748	868.5222385	1.581961397	0.004887995 Up	5.41E-06 Snhg11
58176	1912	61.24575574	183.2337313	1.581003337	0.01390321 Up	6.68E-05 Rbhg
245026	8833	40.0702071	119.3891576	1.575069952	0.032960598 Up	0.001009333 Col6a6
16592	969	79.90793336	237.0280579	1.568647198	0.018640709 Up	0.000180003 Fabp5
16816	1370	16.22712318	47.95519884	1.563279972	0.02916224 Up	0.000754293 Lcat
192187	7995	265.94221	782.9854686	1.557872755	0.010307875 Up	2.49E-05 Stab1
21938	4913	45.91676283	135.1129216	1.557072814	0.020472888 Up	0.000271005 Tnfrsf1b
244757	3698	168.2550664	494.3827785	1.554978542	0.007151595 Up	1.36E-05 Glb1l2
20856	1793	12.41614635	36.3263393	1.548798521	0.047191071 Up	0.00223248 Stc2
17240	1577	6.828255864	19.95468888	1.547138761	0.044438569 Up	0.001963596 Mdf1
18430	5625	184.4652818	538.5917526	1.545842826	0.00560854 Up	9.67E-06 Oxtr
20259	3008	10.20920939	29.79280011	1.545092576	0.045107523 Up	0.002035035 Scin
68151	2696	74.59244905	217.4982349	1.543902193	0.01609485 Up	9.42E-05 Wls
217198	3007	31.70574476	91.86151581	1.534716324	0.031567216 Up	0.000925318 Plekhh3
67473	2634	19.31047539	55.61569214	1.52610832	0.033843391 Up	0.001097514 Slc47a1
13036	1629	185.3901261	533.384808	1.524612327	0.011863443 Up	3.32E-05 Ctsb
78688	2869	8.012553737	23.03764611	1.523659283	0.044591294 Up	0.001978316 Nol3

64385	2143	21.10722937	60.6670593	1.523176165	0.028277921	Up	0.000696965	Cyp4f14
16409	4679	21.4206185	61.42926266	1.51992593	0.024005571	Up	0.000478547	Itgam
26427	2284	115.8144826	331.9469903	1.519137198	0.00560854	Up	9.45E-06	Creb3l1
229791	5690	77.56915604	222.0250733	1.517167599	0.004887995	Up	5.61E-06	Plppr4
19116	8620	638.467561	1823.866575	1.514314966	0.030251863	Prlr	0.000832034	Prlr
236790	5496	155.1744693	443.0066117	1.513437019	0.003101929	Up	2.27E-06	Ddx26b
69142	1109	32.93281724	93.82328608	1.510420098	0.039195312	Up	0.001539291	Cd209f
56358	932	60.00348251	170.9426665	1.510394391	0.016828865	Up	0.000116707	Copz2
56213	2051	156.3061968	443.3094304	1.503939077	0.017851899	Up	0.000140982	Htra1
15203	4610	16.70640346	47.38020083	1.503883129	0.046951018	Up	0.002208198	Heph
64540	1437	124.9469126	353.7472032	1.501403489	0.020472888	Up	0.000265339	Tspan4
109222	1411	146.4841049	413.9583648	1.498741546	0.01326225	Up	3.91E-05	Rarres1
68119	1548	117.9746571	333.294089	1.498318754	0.01353896	Up	5.70E-05	Cmtm3
69660	2325	78.32075296	221.230804	1.498085739	0.012342012	Up	3.51E-05	Tmbim1
15487	1286	539.0884531	1520.903505	1.496334709	0.040602775	Up	0.001645325	Hsd17b3
74644	2425	68.85861033	194.2375558	1.496113202	0.023594022	Up	0.000440498	4930426D05Rik
23936	3952	99.78524672	281.0475097	1.493915598	0.020012906	Up	0.000245888	Lynx1
98170	3513	78.25014901	220.3450756	1.49359925	0.01609485	Up	9.41E-05	Tmem132a
68047	1701	93.75664469	263.5961275	1.49133633	0.013596494	Up	5.80E-05	Mpnd
14132	1738	94.32369627	264.1938701	1.485904834	0.019290109	Up	0.000223196	Fcgrt
94284	3302	731.1180835	2043.73031	1.48302849	0.002253259	Up	1.46E-06	Ugt1a6a
16172	3970	111.6049096	309.9600979	1.473682011	0.009509372	Up	2.12E-05	Il17ra
269823	1784	101.4806728	281.8365867	1.473653918	0.019279748	Up	0.000203627	Pon3
18600	4758	84.27135662	233.7929281	1.472117036	0.01877924	Up	0.000184381	Padl2
74144	3870	46.08432831	127.6225151	1.469534742	0.036089169	Up	0.001274175	Robo4
56620	1225	16.95814842	46.93182804	1.468587999	0.041958813	Up	0.00174644	Clec4n
268595	5806	45.79723329	126.7230567	1.468346691	0.023299274	Up	0.000427878	D430019H16Rik
67016	5951	127.0630266	350.4150773	1.463520561	0.023190164	Up	0.000410879	Tbc1d2b
77889	3068	68.61985257	188.9793275	1.461530495	0.03619705	Up	0.001290467	Lbh
13110	3595	17.26943184	47.52826347	1.460565072	0.04728735	Up	0.002244191	Cyp2j6
19735	3009	158.3930284	435.6299538	1.45959432	0.019290109	Up	0.000212932	Rgs2
11670	1610	105.3581802	289.3082107	1.457304936	0.025687043	Up	0.000569174	Aldh3a1
26432	3670	155.2021084	426.0234946	1.456784838	0.01353896	Up	5.41E-05	Plod2
229900	5604	45.97463756	126.0726709	1.455345466	0.027754492	Up	0.000668584	Gbp7
67856	1812	45.73627743	125.285487	1.453808451	0.022929902	Up	0.000372659	Echdc3
104158	1966	429.5768518	1176.46999	1.45347636	0.007508887	Up	1.52E-05	Ces1d
13197	1224	36.19484534	99.03200563	1.452110606	0.022591026	Up	0.000358379	Gadd45a
1.01E+08	3691	25.39050641	69.41390176	1.450935456	0.040041696	Up	0.001607053	Gm17066
15567	2747	26.00789974	70.92860265	1.447417626	0.026681688	Up	0.000613328	Slc6a4
14205	1723	82.05559006	223.3347506	1.444534224	0.038150584	Up	0.001437613	Vegfd
232371	3010	46.9836076	127.7415111	1.442998023	0.028277921	Up	0.000698499	C1rl
216350	1418	47.84418071	130.0135798	1.442246954	0.034643284	Up	0.001150763	Tspan8
13447	5068	73.37963916	198.8821796	1.438462297	0.025490008	Up	0.000547777	Doc2b
83925	9791	40.19314432	108.5727849	1.433641169	0.040214884	Up	0.001624406	Trps1
16543	3435	39.23618039	105.8549727	1.431832535	0.034354593	Up	0.00113296	Mdfic
11676	2681	103.2762227	278.2715012	1.429985024	0.020472888	Up	0.000266595	Aldoc
228802	1637	106.083117	285.1772648	1.426663899	0.019290109	Up	0.000209325	Bpifb5
213603	9477	206.5472571	554.9768581	1.425955712	0.019270576	Up	0.000202545	Slc44a3
54445	2293	80.25285702	215.1728714	1.422871538	0.019656249	Up	0.000235567	Unc93b1
20317	1497	91.14163396	244.0474905	1.420979777	0.01353896	Up	5.64E-05	Serpinf1
16859	1495	50.18870535	134.1455568	1.418364633	0.027065987	Up	0.000630066	Lgals9
93706	4687	189.7320228	506.459259	1.416483023	0.019290109	Up	0.000222924	Pcdhgc3
16177	4806	214.7912772	572.9888153	1.415571572	0.01609485	Up	9.24E-05	Il1r1
102857	3977	101.098429	267.6740854	1.404716894	0.017847561	Up	0.00013849	Slc6a8
20887	1424	70.92338103	187.7111255	1.404180942	0.019715351	Up	0.000237125	Sult1a1
16835	4549	98.77788497	261.2647303	1.403252396	0.019290109	Up	0.000226189	Ldlr
56473	1508	1267.791506	3352.056334	1.402728888	0.004898185	Up	7.11E-06	Fads2
57764	2411	132.0085125	348.8109075	1.401814191	0.01353896	Up	5.17E-05	Ntn4
67416	3649	118.468556	312.8894978	1.401149046	0.016828865	Up	0.000120325	Armcx2
16590	5194	420.6647415	1108.64289	1.39805192	0.011387464	Up	2.94E-05	Kit
227545	3522	41.82913007	110.1353574	1.396697801	0.026336061	Up	0.000597179	Proser2
19672	3063	113.6449033	299.1287695	1.396233688	0.019171768	Up	0.000195116	Rcn1
20442	5772	107.4030947	282.5998001	1.395724881	0.01874945	Up	0.000182669	St3gal1
71982	2482	105.1751472	276.4817892	1.394390622	0.019171768	Up	0.000191844	Snx10
12978	3875	216.4651663	568.6279878	1.393350226	0.017396555	Up	0.000128991	Csf1r
97998	8427	116.0309887	304.4681572	1.39178119	0.020231823	Up	0.000255547	Deptor
22051	1760	80.72243225	211.7616061	1.391399492	0.022968444	Up	0.000391812	Trip6
434130	2058	73.96441719	194.0152222	1.391266558	0.024683086	Up	0.000516071	Ccdc8
56185	2147	107.7111918	282.446581	1.390809875	0.022968444	Up	0.000397016	Hao2
20536	6301	314.4251621	823.8185678	1.389609968	0.005086182	Up	7.89E-06	Slc4a3
19215	889	4049.802284	10581.69444	1.385647283	0.00488696	Up	5.05E-06	Ptgsd
56188	573	263.9179975	689.4790707	1.385417023	0.01353896	Up	4.49E-05	Fxyd1
18595	6555	283.8364096	741.1986355	1.38480056	0.01353896	Up	5.24E-05	Pdgfra
74551	3400	60.69179935	158.014388	1.380482431	0.036102861	Up	0.001277864	Pck2
104079	2093	54.66189976	142.2364843	1.379684063	0.024005571	Up	0.000482019	Nxph3
208177	5407	56.35097536	146.5574624	1.378953942	0.020012906	Up	0.00024714	Phldb2
72575	2976	33.81912125	87.78055756	1.37606226	0.024005571	Up	0.000474283	C430049B03Rik
BGI_novel_1	1885	28.68896925	74.45109205	1.375796875	0.049620513	Up	0.002467632	NA
319613	2390	33.95450988	87.85943756	1.371594056	0.037982446	Up	0.001418981	Sybu
21886	2958	118.0982119	305.2952151	1.370217857	0.017930932	Up	0.000154474	Tle2
13132	4248	112.5270845	290.7151033	1.369333734	0.017930932	Up	0.000157625	Dab2

13641	3375	219.1174753	566.0658352	1.369265304	0.01353896	Up	4.48E-05	Efnb1
11898	1630	881.7775755	2276.900841	1.36858477	0.0116458	Up	3.11E-05	Ass1
53623	4335	28.53135731	73.65482727	1.3682317	0.045606723	Up	0.002085991	Gria3
64292	3647	59.88553045	154.4585843	1.366940688	0.031567216	Up	0.00092561	Ptges
67426	4026	263.1043558	678.3555426	1.36640649	0.009509372	Up	2.13E-05	Adck3
16525	2222	63.80687051	164.4989132	1.366294371	0.023594022	Up	0.000443605	Kcnk1
236285	3920	42.6143091	109.7893706	1.365328537	0.022660039	Up	0.000364366	Lanc13
226250	3915	23.499823	60.41803577	1.362329391	0.026196607	Up	0.000588371	Afap112
11761	4693	189.4543317	487.0432893	1.362199881	0.01390321	Up	6.69E-05	Aox1
244954	2525	231.7556015	594.2313593	1.358420533	0.019312244	Up	0.000229779	Prss35
14594	3575	47.15602906	120.831801	1.357486057	0.037807442	Up	0.001403294	Ggta1
52815	2458	125.175551	320.5680898	1.356678018	0.025656899	Up	0.00055634	Ldhd
67448	6963	89.56616608	229.1722517	1.355406615	0.018354384	Up	0.000168534	Plxdc2
17380	6056	229.6536989	587.4522866	1.355011659	0.015528962	Up	8.70E-05	Mme
17476	4384	362.8378656	928.124717	1.354993658	0.018393264	Up	0.000172202	Mpeg1
16423	3918	197.0162447	503.277461	1.353039399	0.023044425	Up	0.00040333	Cd47
68957	1489	48.50262883	123.8832178	1.352845914	0.024918561	Up	0.00052604	Paqr6
12050	3476	221.7137876	565.8867891	1.351814968	0.002216096	Up	1.34E-06	Bcl2l2
11568	4073	126.2201873	322.1025169	1.351577265	0.017959615	Up	0.000163953	Aebp1
208748	5955	112.058938	285.8191056	1.350844632	0.028570326	Up	0.000708727	Prrg3
106522	2454	473.085035	1203.764821	1.34738213	0.012821383	Up	3.70E-05	Pkdcc
18186	5921	103.9270982	264.3695757	1.346984282	0.024480702	Up	0.000494954	Nrp1
78388	2810	116.4125486	296.1181881	1.346926525	0.020677778	Up	0.000280135	Mvp
14726	1839	46.48267027	118.1076363	1.345337392	0.031567216	Up	0.000928087	Pdpn
14858	901	226.063404	573.5570175	1.34320945	0.019171768	Up	0.000199181	Gsta2
20963	5144	50.36169705	127.5615572	1.34079481	0.035258064	Up	0.001201541	Syk
18826	3802	74.10903895	187.5752217	1.339747842	0.034948782	Up	0.001174365	Lcp1
27273	3453	42.51730422	107.6001778	1.33955843	0.024683086	Up	0.000514379	Pdk4
57816	942	53.67629891	135.7365356	1.338451994	0.039195312	Up	0.001538681	Tesc
16001	11978	369.5374218	933.1776143	1.336431231	0.004898185	Up	6.36E-06	Igf1r
18552	6370	40.48077044	102.0145927	1.333466885	0.028101949	Up	0.00068899	Pcsk5
20851	4953	85.38956352	214.8604101	1.331268021	0.01977571	Up	0.000238703	Stat5b
21834	5992	43.9249821	110.42727	1.329982886	0.038827993	Up	0.001485934	Thrb
67749	1280	399.0518508	1002.400021	1.32881023	0.014039847	Up	7.02E-05	Mgarp
16002	3256	349.404877	876.9226588	1.327549862	0.01353896	Up	4.84E-05	Igf2
71703	3441	97.76494072	244.7261642	1.32377925	0.029462304	Up	0.000767613	Armcx3
15108	938	113.9752809	285.2595033	1.323553985	0.019290109	Up	0.000219688	Hsd17b10
11489	7675	36.60345351	91.5603849	1.322743756	0.029160719	Up	0.000752997	Adam12
110639	3710	95.87256048	239.6516378	1.321748931	0.017775479	Up	0.000134496	Prps2
18104	1552	41.05471815	102.5792338	1.321118765	0.044209219	Up	0.001929361	Nqo1
214239	4716	41.81269831	104.337151	1.319239892	0.031847095	Up	0.000940435	A430105119Rik
212980	3302	162.6442012	404.9584384	1.316054463	0.016828865	Up	0.000119584	Slc45a3
66277	2294	123.7776	308.081196	1.315560375	0.01353896	Up	4.51E-05	Klf15
67564	1979	367.2890737	914.1018891	1.315439004	0.017930932	Up	0.000151938	Tmem35
12257	871	89.10810718	221.2599221	1.312113551	0.026176589	Up	0.000586793	Tspo
BGI_novel_1	610	36.35907234	90.24710928	1.31156533	0.007512489	Up	1.55E-05	NA
68180	861	29.1780867	72.30943618	1.309298643	0.033385695	Up	0.001058832	Hyi
214642	4898	108.2190294	267.7913819	1.307155326	0.019171768	Up	0.00019691	Cped1
13491	1366	97.00144695	239.881851	1.306245837	0.007508887	Up	1.51E-05	Drd4
56738	2647	68.73904434	169.856204	1.305112214	0.020958655	Up	0.00029635	Mocs1
16367	9163	54.57513053	134.7938689	1.304439296	0.038951188	Up	0.001510191	Irs1
67776	4153	114.0806984	281.5416141	1.303293461	0.018393264	Up	0.000171931	Vwa5a
268977	4326	253.4124993	623.4136925	1.298702157	0.016232431	Up	0.000100766	Ltbp1
226527	1289	54.91969436	134.9068338	1.296567929	0.033348188	Up	0.001048873	BC026585
12262	1063	138.5800584	340.1791204	1.295574924	0.031510965	Up	0.000903719	C1qc
215627	4029	57.73459113	140.9506783	1.28768256	0.023594022	Up	0.000444636	Zbtb8b
21912	1791	40.50174597	98.6672016	1.28458649	0.023191052	Up	0.000422104	Tspan7
77037	992	67.96445856	165.3982544	1.283091605	0.045265471	Up	0.002055658	Mrap
195727	5319	26.71938714	64.96790648	1.281840299	0.036655975	Up	0.001327371	Nhs
12977	3923	104.8733174	254.957333	1.281608168	0.027587111	Up	0.000651048	Csf1
72844	1892	68.83770188	167.1892309	1.280211083	0.020147007	Up	0.00025187	Kctd17
15976	1412	100.0626193	242.9953507	1.280025589	0.022968444	Up	0.000395885	Ifnar2
234878	5692	234.1827052	568.6733207	1.279965588	0.007151595	Up	1.35E-05	BC021891
382014	3773	26.79653869	65.06481363	1.2798309	0.046665434	Up	0.002186719	Ano8
18214	8447	121.9368817	296.0394298	1.279654786	0.020313741	Up	0.00026096	Ddr2
56758	5109	386.9141282	937.8631596	1.27736403	0.01390321	Up	6.64E-05	Mbnl1
56745	4356	52.21310087	126.3924548	1.275426596	0.049017662	Up	0.002397435	C1qtnf1
18295	2540	183.742719	444.4864116	1.274452232	0.01353896	Up	5.13E-05	Ogn
320634	5164	172.1524699	416.3420599	1.274082431	0.010206271	Up	2.42E-05	Ocrl
217353	2798	122.5316879	296.3215632	1.274008721	0.011641771	Up	3.06E-05	Tmc6
328035	1257	63.60131765	153.6899566	1.27289433	0.022968444	Up	0.000385579	Fads6
12609	1921	59.13794568	142.8631152	1.272477452	0.04948401	Up	0.002442293	Cebpnd
78558	2690	234.9356066	567.2925469	1.271827527	0.01326225	Up	3.94E-05	Htra3
22166	1051	199.4123449	481.3126269	1.271219548	0.023594022	Up	0.000440706	Txn1
215201	2789	83.51746969	201.5066776	1.270677739	0.019290109	Up	0.000207079	Trmt2b
13405	4709	176.1426937	424.6484959	1.269524506	0.017930932	Up	0.000157689	Dmd
80287	2360	47.77774597	115.1828348	1.269515037	0.035385188	Up	0.00121576	Apobec3
20698	1793	43.06629557	103.7694495	1.268750628	0.033843391	Up	0.001100052	Sphk1
12520	1534	805.0633624	1937.192713	1.266793241	0.015528962	Up	8.57E-05	Cd81
26423	2948	612.0811813	1472.157211	1.266136827	0.016828865	Up	0.000120429	Nr5a1
14127	683	41.21693145	99.07095006	1.265224985	0.039546979	Up	0.001575965	Fcer1g

50909	2762	203.1887422	488.1674192	1.26455554	0.032438848	Up	0.000973576	C1ra
74754	4028	900.4713316	2163.189223	1.264407618	0.016630592	Up	0.000105389	Dhcr24
192166	4573	168.2900581	404.0986507	1.263757584	0.019290109	Up	0.000225537	Sardh
13014	620	132.8327776	318.8555834	1.263291957	0.038375491	Up	0.001460206	Cstb
329934	2528	59.14128414	141.6491221	1.260084186	0.01390321	Up	6.27E-05	Foxo6
50794	6396	154.7465316	370.4781266	1.259481293	0.017775479	Up	0.000134863	Klf13
12259	1082	138.6871349	331.937371	1.259077099	0.028596161	Up	0.000718561	C1qa
50500	3145	87.80451256	209.865559	1.257098434	0.027754492	Up	0.000667764	Ttpa
50766	5995	91.31026452	218.1189577	1.256266213	0.021442047	Up	0.000314509	Crim1
11363	1948	359.2236059	857.9498296	1.256011128	0.017243156	Up	0.00012711	Acadl
20907	3188	120.700465	288.257025	1.255924534	0.021041371	Up	0.00030377	Stx1a
11532	1604	380.1258422	907.5992499	1.255578309	0.01390321	Up	6.53E-05	Adh5
209047	1024	34.42553939	82.09237949	1.253769046	0.037279504	Up	0.00136915	Gipc3
242377	5578	94.79597059	225.9474722	1.253089775	0.025157319	Up	0.000539	Pm20d2
77446	9762	759.8866906	1810.68945	1.252682918	0.017959615	Up	0.000163186	Heg1
211286	2447	105.3486478	251.0203374	1.252632458	0.026243911	Up	0.00059107	Cln5
624549	1902	28.55097498	67.98099643	1.251591496	0.03368057	Up	0.001078789	Gm29683
13649	5134	72.4546034	172.4514963	1.251041387	0.031525816	Up	0.000906484	Egfr
18442	2943	51.31744478	122.0623419	1.250096934	0.036245167	Up	0.001293745	P2ry2
14183	5222	99.44158027	236.5032109	1.249938642	0.037248816	Up	0.001364896	Ggfr2
17117	2575	106.4988175	253.0813949	1.24876404	0.024994765	Up	0.000530228	Amacr
228911	5139	207.032178	491.823029	1.248284273	0.015528962	Up	8.70E-05	Tshz2
16403	6002	286.8320532	680.8376573	1.247104582	0.009509372	Up	2.02E-05	Itga6
18550	4277	393.6244504	933.3156433	1.245545239	0.016828865	Up	0.000113536	Furin
52377	1448	92.46118399	219.1643895	1.245093662	0.032792895	Up	0.000998875	Rcn3
76238	1281	145.3987921	344.6292679	1.245029944	0.029640645	Up	0.000777129	Ghrpr
30794	1189	56.65109498	134.192395	1.244127167	0.043651079	Up	0.001877992	Pdlim4
11867	1555	543.4384976	1286.864269	1.243671218	0.014400365	Up	7.61E-05	Arpc1b
264895	3514	312.4331994	739.7287682	1.24344862	0.017901091	Up	0.000143536	Acsf2
208647	3318	71.15041582	168.108497	1.240448554	0.040214884	Up	0.001623212	Creb3l2
241447	6944	183.8791043	434.3857908	1.240219368	0.021108426	Up	0.000308478	Cers6
29811	2113	346.8354508	816.3087996	1.234863642	0.019171768	Up	0.000196034	Ndrp2
213019	1587	67.22892444	158.1318997	1.233974456	0.042025777	Up	0.001753716	Pdlim2
13982	6238	119.8627629	281.8879934	1.233738496	0.033843391	Up	0.001097432	Esr1
217333	2193	166.6385183	391.7764924	1.233308918	0.007508887	Up	1.50E-05	Trim47
67103	2104	311.9280732	733.30216	1.23319439	0.014400365	Up	7.56E-05	Ptgr1
16803	2528	138.82454	326.2695618	1.232801787	0.032438848	Up	0.00097469	Lbp
66142	1115	73.16011415	171.89935	1.232434858	0.03367925	Up	0.001077295	Cox7b
14284	5886	92.94293816	218.2046718	1.231264833	0.031567216	Up	0.000910575	Fosl2
11796	2820	76.60418665	179.8247935	1.2310968	0.037982446	Up	0.001420091	Birc3
21881	3242	488.3226471	1145.542885	1.230124876	0.018487666	Up	0.000175337	Tkt
58805	3615	197.6092941	463.5262693	1.2300003	0.016962369	Up	0.00012247	Mlxipl
69608	3881	95.44538661	223.8157808	1.229564391	0.031567216	Up	0.000912326	Sec2d4
73251	7356	110.9308644	259.9958922	1.228828007	0.029356969	Up	0.000763127	Setd7
52120	2679	387.0741629	906.8349239	1.228229942	0.016446953	Up	0.000102862	Hgsnat
11669	2666	2087.15126	4884.726556	1.226742644	0.01609485	Up	9.75E-05	Aldh2
212943	5461	37.07507656	86.69887023	1.225563522	0.044209219	Up	0.001925073	Fam46a
244152	2597	148.1001429	346.0853413	1.224554804	0.017903692	Up	0.000146508	Tsku
13723	2622	178.521508	417.0998311	1.22429483	0.041416086	Up	0.001701927	Emb
18034	3078	74.65584623	174.1095756	1.221668404	0.049557727	Up	0.002456771	Nfkb2
27410	6486	275.8319044	642.7469724	1.220461572	0.01353896	Up	4.71E-05	Abca3
13171	3292	123.6334808	287.8551503	1.219273538	0.023594022	Up	0.000446514	Dbt
53945	3380	65.10277483	151.5736528	1.219228059	0.031510965	Up	0.000902708	Slc40a1
16880	9372	624.1445111	1452.126998	1.218215625	0.017959615	Up	0.000161112	Lifr
50782	3137	111.554217	259.4912518	1.21794085	0.032960598	Up	0.001020449	Rgs11
69574	1069	92.28442703	214.6176135	1.217609363	0.046306948	Up	0.002149693	Cmb1
74777	3461	51.78897032	120.4234219	1.217399238	0.04008404	Up	0.001615665	Sepn1
15212	1922	121.604709	282.335889	1.215213432	0.023279242	Up	0.000426507	Hexb
19206	7322	248.6623939	576.828332	1.213953687	0.020677778	Up	0.000281682	Ptch1
78267	3085	182.7904114	423.5095214	1.212204012	0.004898185	Up	6.82E-06	Klhdc8b
19165	2017	73.47096255	170.178847	1.211805642	0.037648841	Up	0.001389292	Psen2
12514	1248	44.85252516	103.8475969	1.211206717	0.034643284	Up	0.001151441	Cd68
21858	3635	3350.413643	7746.931218	1.209285708	0.010755278	Up	2.64E-05	Timp2
67759	896	39.21373923	90.66515431	1.209188964	0.038652298	Up	0.001472976	Plgrkt
93692	1335	63.55173018	146.7859959	1.207711027	0.049017662	Up	0.002403729	GlrX
235293	2895	305.9397718	706.4174825	1.20727338	0.018640709	Up	0.000178632	Sc5d
20415	2423	245.8696053	566.867599	1.205118412	0.01353896	Up	5.70E-05	Shbg
268591	2162	1373.948206	3165.79354	1.204239553	0.017851899	Up	0.000142372	Serpina5
28193	5474	146.109447	336.466937	1.203415284	0.035756734	Up	0.001243992	Reep3
269951	1718	103.5116215	238.2641899	1.202769385	0.036140693	Up	0.001284706	Idh2
22418	4187	55.05958534	126.6986036	1.202334974	0.02898412	Up	0.000747187	Wnt5a
14309	1669	31.30986267	72.04584828	1.202298115	0.038813195	Up	0.001480781	Fshr
208795	3239	65.30547878	150.2234805	1.201834393	0.045051945	Up	0.002017889	Tmem63a
20776	2437	42.20857288	97.08591481	1.201725954	0.041416086	Up	0.00170342	Tmie
101744	1923	56.55727652	129.9942606	1.200663373	0.021898165	Up	0.000335208	Acp7
27081	6131	290.7198548	668.0140704	1.200248886	0.01390321	Up	6.83E-05	Zfp275
12946	1674	88.56964394	203.4792259	1.199997287	0.027623379	Up	0.000659713	Cr1l
11886	2264	423.3364794	972.5042076	1.199899679	0.022968444	Up	0.000387166	Asah1
66375	1318	242.6057039	557.2871114	1.199807318	0.020472888	Up	0.00026804	Dhrs7
22700	4079	34.49106884	79.1815022	1.198940601	0.022935054	Up	0.000377168	Zfp40
21937	2186	344.0671113	789.1695872	1.197645365	0.020836508	Up	0.000291928	Tnfrsf1a

67391	3261	73.68796475	168.7142995	1.195081343	0.035605657	Up	0.001232298	Fundc2
11747	1738	220.218561	503.9027332	1.194209211	0.023372006	Up	0.000430221	Anxa5
27280	1483	49.59510529	113.4583118	1.193892655	0.042362546	Up	0.001780553	Phlda3
11749	2653	174.978213	399.9657641	1.192701216	0.025687043	Up	0.000563492	Anxa6
50908	2914	258.6646756	590.3929187	1.190592371	0.031567216	Up	0.000927443	C1s1
319876	5044	155.5957596	354.5591237	1.188223478	0.014966447	Up	8.06E-05	Cobl11
14867	1114	473.1081643	1076.854634	1.186581549	0.01390321	Up	6.74E-05	Gstm6
66222	1931	74.11386678	168.5480974	1.185344939	0.047776289	Up	0.002298501	Serpinb1a
16792	2402	99.97528915	227.3220301	1.185094051	0.045265471	Up	0.002056723	Laptm5
11722	1761	401.2833309	911.9024987	1.18425835	0.030884535	Up	0.00087003	Amy1
15360	3294	1781.609044	4047.98537	1.184023289	0.017959615	Up	0.000164135	Hmgcs2
66826	2135	135.2768977	307.2303043	1.183405047	0.018442854	Up	0.000174117	Taz
73132	3141	114.0354356	258.6834656	1.181705644	0.024658689	Up	0.000506683	Slc25a16
109934	5160	355.6649947	805.8542672	1.179999973	0.019171768	Up	0.000198485	Abr
110954	798	666.9040739	1509.782951	1.178789993	0.021898165	Up	0.000330684	Rpl10
14275	1116	258.9886099	586.0056536	1.178025933	0.017930932	Up	0.000151907	Folr1
73737	674	250.4365354	566.6080826	1.177906134	0.020836508	Up	0.000291558	1110008P14Rik
66889	2761	86.31372246	195.2275708	1.177494963	0.01353896	Up	5.15E-05	Rnf128
246228	3140	155.448818	351.3328151	1.176398686	0.020472888	Up	0.000266241	Vwa1
50915	1768	51.50990336	116.2711664	1.174571635	0.042333329	Up	0.0017775	Grb14
BGI_novel_1	15033	212.1851709	478.8672536	1.174301949	5.80E-05	Up	1.50E-08	NA
104099	7001	114.4734807	258.3295066	1.174199021	0.033951002	Up	0.001106969	Itga9
20430	6470	327.9254447	739.8992792	1.173961044	0.019270576	Up	0.0002027	Cyfp1
11364	2062	340.7007603	768.1458524	1.172875103	0.022935054	Up	0.000377329	Acadm
105859	2507	141.9178108	319.7168202	1.171739886	0.036102861	Up	0.00127911	Csdc2
83704	3315	74.2608828	167.2924777	1.171698205	0.024658689	Up	0.000507372	Slc12a9
70152	1883	100.2884722	225.8947492	1.171494953	0.045107523	Up	0.002036511	Mettl7a1
19285	3218	265.1324923	597.1619622	1.171408787	0.028636595	Up	0.000722162	Ptrf
23947	5916	63.75484649	143.536045	1.170806153	0.038150584	Up	0.001439772	Mid2
236920	5003	242.2043149	544.9847503	1.169991294	0.019312244	Up	0.00022932	Stard8
72018	2964	63.86111685	143.6500723	1.16954903	0.034772702	Up	0.001166102	Fundc1
23849	4217	162.3212029	365.0760141	1.169345424	0.021041371	Up	0.000301241	Klf6
67916	3162	403.6260954	907.5765358	1.168999986	0.025675952	Up	0.000558374	Pfpp3
13360	2858	325.0377926	730.8661932	1.168999983	0.023618559	Up	0.000447996	Dhcr7
225849	2708	79.3179682	178.3507333	1.16899752	0.028647059	Up	0.000723882	Ppp2r5b
16971	14907	1372.039424	3083.834085	1.168403212	0.01390321	Up	6.28E-05	Lrp1
225845	3523	66.99532004	150.5779311	1.168378117	0.047431598	Up	0.002272357	Pl2g16
15931	4988	145.6914209	327.4449393	1.168336409	0.02286149	Up	0.000370562	Ids
23972	3466	85.38063768	191.598862	1.166108149	0.024658689	Up	0.000504575	Papss2
210789	6641	176.9881419	397.105818	1.165870794	0.025687043	Up	0.000568457	Tbc1d4
13177	1091	67.62302332	151.7211231	1.165835532	0.028570326	Up	0.000709424	Eci1
319535	5944	34.62880139	77.66812541	1.165350193	0.047191071	Up	0.002233655	Zfp182
1E+08	2772	152.8223956	342.701856	1.165098024	0.01353896	Up	5.36E-05	Mir22hg
56700	1557	163.9145699	366.7856737	1.161993192	0.030635159	Up	0.000845217	Glmp
94279	3228	56.82984495	127.153663	1.161852338	0.04728735	Up	0.002259206	Sfxn2
18807	2308	1537.635006	3440.035079	1.161710191	0.01609485	Up	9.65E-05	Pld3
55963	3926	28.84357754	64.50905704	1.161251612	0.04208212	Up	0.001757881	Slc1a4
22381	1018	293.4507551	656.2213831	1.161064185	0.029978671	Up	0.000814181	Wbp5
BGI_novel_1	3003	64.57497779	144.3360219	1.16038425	0.023867335	Up	0.000456248	NA
14860	970	587.1527184	1311.704647	1.159635207	0.016962369	Up	0.000123578	Gsta4
77056	3353	92.87445178	207.4712286	1.159557588	0.022968444	Up	0.000381154	Tmco4
18597	2872	137.0925449	306.0863842	1.158788751	0.027801278	Up	0.000674907	Pdha1
320712	4562	47.66170983	106.4142492	1.158788731	0.042811427	Up	0.001823802	Abi3bp
11428	4319	252.9972677	564.6618852	1.158265448	0.019171768	Up	0.000196167	Aco1
12496	1937	53.02113153	118.1891943	1.156458776	0.024005571	Up	0.000474088	Entpd2
243914	3444	62.21347726	138.6753567	1.156412387	0.022274541	Up	0.000346644	Lgi4
54135	2162	415.1212456	925.1170925	1.15610321	0.023955121	Up	0.000468649	Lsr
16425	3116	277.3348681	618.0455021	1.156084045	0.041416086	Up	0.001706618	Itih2
19186	977	163.8183175	365.0419054	1.155965407	0.045107523	Up	0.002034754	Psme1
67298	5584	595.2564513	1324.025003	1.15334711	0.010952372	Up	2.74E-05	Gprasp1
68801	2820	987.826276	2195.977439	1.152533983	0.019290109	Up	0.000219758	Elov15
54325	1826	71.91766523	159.7361628	1.151272872	0.033967887	Up	0.001111421	Elov11
545622	6369	30.66066488	68.06996139	1.150629309	0.045691225	Up	0.002106092	Ptpn3
170460	2500	105.5076597	234.1077048	1.149824676	0.032205644	Up	0.000961164	Stard5
214424	2539	61.95773473	137.4501046	1.149551702	0.033356611	Up	0.001054549	Parp16
12258	1837	450.6968906	999.4086167	1.14891716	0.035789102	Up	0.001258837	Serping1
14732	5720	530.9874497	1176.389108	1.147615664	0.01353896	Up	5.20E-05	Gpam
21452	2059	243.2384442	538.5110077	1.146604568	0.022654769	Up	0.000362328	Tcn2
69784	1211	126.6570439	280.4027474	1.146573172	0.025490008	Up	0.000549425	1500009L16Rik
16889	2990	115.0257177	254.5174102	1.145807889	0.032960598	Up	0.00102452	Lipa
326618	2082	230.2474692	509.3613601	1.145504223	0.032943791	Up	0.001006904	Tpm4
26363	1956	95.77769197	211.8711271	1.145425421	0.030720673	Up	0.000855395	Btd
56726	2856	245.2543245	541.5239809	1.142746652	0.037490405	Up	0.001381829	Sh3bgrl
52538	1500	467.2292277	1031.490569	1.1425282	0.023191052	Up	0.000418209	Acaa2
19416	1624	162.7522034	359.1844912	1.142047983	0.030720673	Up	0.000860592	Rasd1
228607	2950	222.1858133	490.2265945	1.141682049	0.023191052	Up	0.000420891	Mavs
23959	3580	287.615937	634.5516532	1.141593987	0.027623379	Up	0.00065592	Nt5e
238871	6666	106.814194	235.0756408	1.138021679	0.001526022	Up	7.24E-07	Pde4d
19141	1874	683.7850744	1501.292198	1.13458996	0.02104232	Up	0.0003055	Lgmn
384309	6393	70.58247382	154.8477839	1.133468835	0.022828091	Up	0.000369036	Trim56
99586	4437	101.8359538	223.3363049	1.132970787	0.049017662	Up	0.002401779	Dpyd

211612	6489	30.75433614	67.39802259	1.13191643	0.030251863	Up	0.000831919	Ptchd1
207212	10250	180.5658746	395.6349204	1.131644508	0.022935054	Up	0.000377686	Arhgef17
17449	1958	411.1395042	899.6402356	1.129720186	0.023470511	Up	0.00043507	Mdh1
109552	2400	76.13897963	166.559934	1.129334261	0.047424351	Up	0.002269303	Sri
17698	3840	154.0712131	337.00925	1.129190858	0.024629628	Up	0.00050115	Msn
14325	986	1503.482802	3287.612748	1.128732006	0.019171768	Up	0.000194718	Ftl1
71803	1934	106.259907	232.2477275	1.128067125	0.016446953	Up	0.000103516	Slc25a18
407800	3626	50.93660848	111.3181656	1.127914231	0.044808079	Up	0.001995376	Ecm2
17311	5416	515.987896	1127.365709	1.127546462	0.020677778	Up	0.000281288	Kitl
26757	2646	182.0950235	397.8490198	1.127529549	0.014400365	Up	7.64E-05	Dpysl4
77697	3021	70.36023019	153.7213769	1.127485696	0.044209219	Up	0.001930592	Mmab
18518	1518	76.90877751	167.9816464	1.127083448	0.029462304	Up	0.000768405	Igbb1
12359	2551	235.4637927	514.2772705	1.127041159	0.045691225	Up	0.002109553	Cat
13595	1757	185.1100099	404.2471151	1.126854566	0.026969226	Up	0.000626651	Ebp
15936	1541	64.8051337	141.4927762	1.12654839	0.049620513	Up	0.002507016	Ier2
13846	4339	80.36512427	175.3982238	1.125992676	0.046306948	Up	0.002154362	Ephb4
56316	3323	40.65123168	88.67948261	1.125301288	0.044144165	Up	0.0001915731	Ggxc
81799	2388	202.7649133	442.321282	1.12528663	0.022591026	Up	0.000359732	C1qtnf3
54324	5420	56.0774045	122.2968322	1.124895553	0.045463114	Up	0.002070827	Arhgef5
16779	5624	712.8283262	1554.542183	1.124863193	0.02099543	Up	0.000297951	Lamb2
11798	6411	196.4239949	427.8680073	1.123194631	0.031855048	Up	0.000942043	Xiap
16911	1591	124.4186625	270.381669	1.119794442	0.038375491	Up	0.001460773	Lmo4
237107	4877	151.1687427	328.363419	1.119133551	0.016828865	Up	0.000107958	Gnl3l
104130	853	178.65751	387.8202868	1.118191712	0.019290109	Up	0.000223979	Ndufb11
107702	1924	394.4526348	854.0098864	1.114400697	0.019171768	Up	0.000199004	Rnh1
239017	3751	529.9070491	1147.079427	1.114154067	0.01353896	Up	5.29E-05	Ogdhl
72535	2302	322.9240898	698.9174368	1.113926972	0.020012906	Up	0.000247198	Aldh1b1
235041	4853	288.8473985	624.9904765	1.113526705	0.023191052	Up	0.000419454	Kank2
13033	1979	1290.124127	2790.684876	1.113109346	0.018491729	Up	0.000176172	Ctsd
216134	5110	156.7685664	338.5512493	1.110737929	0.024183361	Up	0.000486857	Pdxk
12492	4729	335.726461	724.2926846	1.109286553	0.027623379	Up	0.000658614	Scarb2
83965	2530	381.9347625	823.8011882	1.108969972	0.021442047	Up	0.000319967	Enpp5
20444	4470	153.0505875	330.0940575	1.108868584	0.022763852	Up	0.000367016	St3gal2
328417	6391	75.46801762	162.5019505	1.106519752	0.049557727	Up	0.002453845	Parp4
93761	4022	202.7396719	436.5103894	1.10638757	0.023091117	Up	0.000407133	Smarca1
20912	2406	186.9305294	402.243801	1.10556798	0.025687043	Up	0.000563131	Stxbp3
673094	950	479.1665463	1030.960092	1.105389395	0.026148742	Up	0.000585041	Cd99
56219	5551	215.529066	463.6284064	1.10508652	0.004887995	Up	5.69E-06	Extl1
12450	3501	246.8659854	530.9332111	1.104802321	0.035258064	Up	0.001203421	Ccng1
319939	6365	376.2286582	808.9005273	1.104352555	0.022935054	Up	0.000375207	Tns3
207521	5533	422.4981739	907.3279521	1.102678999	0.024005571	Up	0.000480258	Dtx4
56338	2799	1361.171256	2922.72705	1.102466513	0.022968444	Up	0.000392357	Txnip
385493	3108	506.3151909	1086.89198	1.102100892	0.016828865	Up	0.000116533	AU015836
27060	2708	78.15953509	167.7258117	1.101610935	0.037248816	Up	0.001362492	Ctirg1
15446	1719	140.2860534	300.9709087	1.101252456	0.045691225	Up	0.002109483	Hpgd
65107	3013	449.0877737	963.0507628	1.1006144	0.020313741	Up	0.000258659	Lrp10
16772	9518	325.2792398	696.6005572	1.098652878	0.016828865	Up	0.000112449	Lama1
20312	3144	80.74868615	172.8078626	1.097658169	0.049620513	Up	0.002487495	Cx3cl1
384071	2683	56.97759503	121.9322362	1.09761296	0.049620513	Up	0.002498769	Slc25a34
71562	2332	48.27061381	103.1498425	1.095524541	0.034712253	Up	0.001158727	Afrmid
54366	3712	342.759634	732.2695191	1.095177528	0.019290109	Up	0.000221411	Ctnnal1
15107	1801	624.0161683	1332.470077	1.09444782	0.022559424	Up	0.00035594	Hadh
17127	5090	145.9362578	311.59002	1.094310661	0.017930932	Up	0.00015293	Smad3
18081	1132	157.6922859	336.5670649	1.09378192	0.027754492	Up	0.000672416	Ninj1
320858	4836	192.0048069	409.4723595	1.09262364	0.019312244	Up	0.00022782	L3mbtl4
20832	785	156.8297554	334.3625174	1.092213819	0.035258064	Up	0.001203648	Ssr4
68458	531	78.27620882	166.754406	1.091079093	0.046643947	Up	0.002181279	Ppp1r14a
12091	2128	239.7272148	510.4922483	1.090495355	0.023893759	Up	0.000461456	Gilb1
27357	1736	60.39743739	128.5797456	1.090104157	0.04008404	Up	0.001611016	Gyg
66329	1144	719.8506998	1532.270515	1.089905636	0.029640645	Up	0.000784421	Susd3
19286	1051	59.57246839	126.6980698	1.088676902	0.04501294	Up	0.00201164	Pts
67442	1942	256.4263454	545.0914898	1.087953903	0.033959546	Up	0.001109684	Retsat
212647	3355	203.9900328	433.6105998	1.087901362	0.037963609	Up	0.001415637	Aldh4a1
224530	1991	60.0306739	127.59042	1.087748241	0.026378819	Up	0.000601599	Acat3
22420	2093	309.8931161	657.6520436	1.085553764	0.024918561	Up	0.000526365	Wnt6
67131	2320	53.76513335	114.0350069	1.084733981	0.031877897	Up	0.000945467	Acbd4
68434	1336	59.12711197	125.286845	1.083343225	0.038150584	Up	0.001442344	1010001N08Rik
66881	4291	237.6505999	503.5474433	1.083285669	0.021442047	Up	0.000319807	Pcyox1
66904	2302	226.4246309	479.7127248	1.083139803	0.030720673	Up	0.000861744	Pccb
215789	8290	278.9520472	590.4873944	1.081889122	0.01353896	Up	5.12E-05	Phactr2
209378	7942	129.5980812	274.3308573	1.08187255	0.029980294	Up	0.000818103	Itih5
236899	4866	73.30029334	154.9967295	1.080346897	0.034643284	Up	0.001149683	Pcyt1b
14824	2348	393.0932002	830.9895821	1.079958983	0.026681688	Up	0.000614984	Grr
13860	4516	327.273058	691.712126	1.079676907	0.019290109	Up	0.000220414	Eps8
1E+08	832	68.87486295	145.4808302	1.078779615	0.039195312	Up	0.001532108	Gm11744
242594	3209	201.2668781	424.946261	1.078170637	0.022591026	Up	0.000360335	1700024P16Rik
72157	2334	130.3296741	275.0552356	1.077555763	0.024559111	Up	0.000497598	Pgm2
22393	3564	47.21178817	99.38280985	1.073849205	0.039354662	Up	0.001562221	Wfs1
11928	3720	2048.740372	4311.548882	1.073469067	0.020472888	Up	0.00027061	Atp1a1
217344	3749	137.0664233	288.4315424	1.073353742	0.037679028	Up	0.001393655	Rhbdf2
14431	960	226.8216186	477.216915	1.073087029	0.020701042	Up	0.000286641	Gamt

12070	934	97.50920908	205.0956149	1.072686263	0.037279504	Up	0.001369755	Ngfrap1
72289	6982	1619.58108	3404.295066	1.071735393	0.01353896	Up	5.32E-05	Malat1
21814	5980	408.297325	858.1467123	1.071604202	0.037248816	Up	0.001359825	Tgfbr3
27643	2326	79.97419517	168.0720127	1.071473034	0.040719473	Up	0.001659642	Ubl4a
13010	813	1844.802797	3868.368489	1.068258623	0.02612498	Up	0.000583383	Cst3
333639	3405	109.7742018	230.163212	1.068118216	0.049017662	Up	0.002404712	Mamld1
11932	2959	634.8998498	1331.025119	1.067936856	0.01353896	Up	4.80E-05	Atp1b2
22017	1777	92.47508049	193.6710921	1.066472073	0.016828865	Up	0.000112478	Tpmt
208618	7498	575.6495266	1204.114479	1.064709935	0.01353896	Up	4.16E-05	Etl4
227737	3693	69.07994124	144.3049426	1.062781954	0.035605657	Up	0.001231488	Fam129b
66940	1833	109.9900361	229.6802835	1.062254179	0.040719473	Up	0.001656003	Shisa5
14775	1066	363.44579	758.8768482	1.062125588	0.045606723	Up	0.002085319	Gpx1
104112	4422	1196.703869	2498.285464	1.061872142	0.019290109	Up	0.00022426	Acly
67972	7107	363.4138478	758.4029518	1.061351185	0.028101949	Up	0.000688363	Atp2b1
67125	1543	155.0889133	323.6170291	1.061191969	0.038375491	Up	0.001457881	Tspan31
68738	3594	287.6602479	599.6886368	1.059847769	0.020701042	Up	0.000286753	Acss1
320429	11187	1877.685287	3913.99657	1.059687214	0.003532137	Up	2.74E-06	Trank1
16998	5194	149.5997977	311.7142088	1.059115695	0.028876349	Up	0.000743164	Ltbp3
68024	728	134.0921095	279.1363477	1.057745651	0.046420684	Up	0.002167246	Hist1h2bc
67784	6913	387.7342062	806.9673983	1.057442373	0.023044425	Up	0.000402615	Plxnd1
15273	9788	98.48830394	204.9487626	1.057238968	0.023594022	Up	0.000442403	Hivep2
14381	2639	176.7991764	367.9090127	1.057237465	0.046417616	Up	0.002165102	G6pdx
433904	2510	47.55580383	98.88273751	1.056097262	0.02551577	Up	0.00055108	Ociad2
78781	5241	151.9173841	315.7761669	1.055615319	0.035111726	Up	0.001188201	Zc3hav1
11515	7840	264.4864338	549.6846889	1.05541057	0.023757041	Up	0.000452671	Adcy9
66885	3513	566.842895	1177.161147	1.05429099	0.023191052	Up	0.000415637	Acad5b
237339	4649	74.86208278	155.4128005	1.053798244	0.031567216	Up	0.000918532	L3mbt13
11835	10063	192.6976052	399.9322051	1.053416818	0.024005571	Up	0.000480512	Ar
239647	2663	119.3597554	247.6789054	1.053154517	0.02739735	Up	0.000641323	Pced1b
20102	992	398.139794	826.1593269	1.05314496	0.041550199	Up	0.001715959	Rps4x
12751	3573	199.0091706	412.9075842	1.052984004	0.041831776	Up	0.001735916	Tpp1
66948	2865	243.8487486	505.8378972	1.052688559	0.028721913	Up	0.000729284	Acad8
83675	3214	111.3633144	231.0007334	1.052623378	0.033385695	Up	0.001062148	Bicc1
12549	7722	355.569489	737.0612821	1.051653042	0.024005571	Up	0.000480705	Arhgap31
74257	1567	270.1178756	559.7892631	1.051294699	0.022968444	Up	0.000385635	Tspan17
245607	4044	364.7578665	755.6934257	1.05086198	0.004898185	Up	7.18E-06	Gsprasp2
54447	4835	114.92228	237.6791004	1.048356529	0.029800929	Up	0.000802931	Asah2
75124	1158	81.84806803	169.2003355	1.047712161	0.042307773	Up	0.001773256	Nxnrl2
22228	1583	670.9232276	1386.903064	1.047647359	0.020472888	Up	0.000270556	Ucp2
100198	4705	350.4331135	724.3939556	1.047635402	0.030087365	Up	0.000823618	H6pd
67893	1791	457.2929709	944.9364847	1.047098616	0.029800929	Up	0.000802365	Tmem86a
20692	2640	5189.925165	10722.05836	1.046796252	0.02476866	Up	0.000520344	Sparc
11881	3989	242.5144898	500.2751926	1.044650966	0.049620513	Up	0.002501432	Arsb
171486	3610	209.0419019	431.1365524	1.044352726	0.028101949	Up	0.000689314	Cd99l2
320078	3105	181.4734381	373.918015	1.042963581	0.042811427	Up	0.00181726	Olfml2b
16210	3432	146.7715227	302.3816585	1.042798556	0.026396623	Up	0.000604242	Impact
57776	2869	801.076424	1650.211838	1.042639446	0.01390321	Up	6.35E-05	Ttyh1
16476	3187	181.3656972	373.426639	1.041923232	0.045463114	Up	0.002071583	Jun
16562	6681	437.0823636	899.8741297	1.041818052	0.028452627	Up	0.000704048	Kif1c
74142	2970	540.2799736	1112.153669	1.041577031	0.020701042	Up	0.000287353	Lonp1
214616	2327	91.61097975	188.576524	1.041557662	0.025157319	Up	0.000557226	Spata5l1
56543	7418	216.9234794	446.1728135	1.040416393	0.019290109	Up	0.000221246	Kcnd3
69215	1551	115.1204961	236.6374848	1.039533909	0.048257394	Up	0.00233829	Sat2
50887	1911	170.2426374	349.9386912	1.03950978	0.017930932	Up	0.000154078	Hmgm5
14057	2809	110.6455393	227.434744	1.039507374	0.031024337	Up	0.000879099	Sfxn1
11513	6186	229.1801555	471.0206188	1.039308087	0.016828865	Up	0.00011526	Adcy7
12826	6636	406.4449922	835.2685581	1.039180019	0.030945469	Up	0.000873789	Col4a1
20893	3113	100.4821748	206.3390361	1.038077187	0.039195312	Up	0.001536051	Bhlhe40
16410	7055	167.612479	344.1320179	1.037832562	0.041416086	Up	0.001708635	Ilgav
245688	2272	1156.149956	2373.63877	1.037771865	0.017851899	Up	0.00014183	Rbbp7
74012	4197	128.1376846	262.886775	1.036746739	0.029978671	Up	0.000811755	Rap2b
16564	7131	586.6145789	1202.9384	1.036077936	0.01390321	Up	6.55E-05	Kif21a
16456	2482	418.9978776	859.1311929	1.035935518	0.016828865	Up	0.000112508	F11r
56722	2240	252.7320132	518.0754607	1.03555383	0.039546979	Up	0.001578612	Litaf
23986	1517	191.8593053	393.2565861	1.035422189	0.039195312	Up	0.001538079	Eci2
12822	5081	391.5729045	802.5858349	1.035374755	0.021004646	Up	0.000299717	Col18a1
13170	1678	127.0061452	260.2673659	1.035096124	0.032960598	Up	0.001015888	Dbp
117160	3456	389.0036886	796.6053693	1.034081369	0.025157319	Up	0.000538179	Ttyh2
71323	1733	28.39777446	58.14668601	1.0339191	0.049620513	Up	0.002482707	Rassf8
14149	1866	515.3929512	1053.558972	1.031526359	0.029640645	Up	0.000786783	Fdxr
20440	4348	236.7238396	483.8320559	1.031301355	0.049017662	Up	0.002393123	St6gal1
22352	1834	1176.546715	2404.294486	1.031055009	0.028101949	Up	0.000684593	Vim
BGI_novel_1	6998	699.7434006	1429.73064	1.03084549	0.020859299	Up	0.000294046	NA
17684	1980	333.4298739	680.87643	1.030009623	0.019171768	Up	0.000191813	Cited2
72345	8476	83.72110963	170.9367844	1.02979955	0.035789102	Up	0.001254694	Amer1
15356	1416	119.1077383	243.1386837	1.0295123	0.029800929	Up	0.000797803	Hmgcl
16322	1463	1131.135656	2307.328385	1.028451386	0.01874945	Up	0.000182507	Inha
58220	3409	193.4098137	394.4998953	1.028363918	0.0224309	Up	0.000350045	Pard6b
217069	5596	259.6726556	529.4639541	1.027838368	0.030720673	Up	0.000851496	Trim25
244418	4780	45.11939199	91.98880224	1.027710626	0.033951002	Up	0.001107941	D8Erttd82e
11852	2264	436.9149491	890.69372	1.027576953	0.019290109	Up	0.00022055	Rhob

245007	4454	122.8537722	250.4174864	1.027393152	0.03252863	Up	0.000983257	Zbtb38
226519	7622	216.753332	441.6584325	1.026876886	0.026891797	Up	0.000623692	Lamc1
52808	2772	510.7190498	1040.209097	1.026271782	0.014400365	Up	7.52E-05	Tspsy12
24136	9036	244.1613679	496.8676308	1.025026609	0.031567216	Up	0.000922553	Zeb2
223649	3033	646.9736907	706.0477922	1.024939568	0.024005571	Up	0.000482243	Nrbp2
108735	5526	465.7649541	947.6641582	1.024773785	0.021898165	Up	0.000334459	Sft2d2
18760	3764	84.89946432	172.722982	1.0246327	0.039619418	Up	0.00158669	Prkd1
14590	1355	252.949145	514.5943235	1.02458818	0.029866885	Up	0.000805995	Ggh
66205	1363	200.261594	407.3960619	1.024546266	0.042811427	Up	0.0018233	Cd302
214253	2280	581.3616411	1182.4397	1.024258824	0.017959615	Up	0.000162253	Etnk2
21825	5863	122.6211507	249.3995291	1.024250892	0.022968444	Up	0.000396823	Thbs1
14797	1488	1030.37231	2095.581163	1.02418467	0.024658689	Up	0.000507104	Aes
246198	7271	564.8625888	1148.804251	1.024161135	0.021573891	Up	0.00032365	Mllt6
76763	3480	99.92950867	202.8644605	1.021533477	0.04728735	Up	0.002252993	Mospd2
14423	3912	645.4094873	1310.047488	1.021332419	0.016134252	Up	9.88E-05	Galnt1
235527	3259	51.12397185	103.7454509	1.020976248	0.04424094	Up	0.001934024	Plscr4
13602	3132	640.6977058	1299.973479	1.020766462	0.035383393	Up	0.001212473	Sparc1
14187	1304	586.4696337	1189.914143	1.020729165	0.020012906	Up	0.000247605	Akr1b8
12807	3821	116.0092543	235.3034434	1.020282536	0.033000932	Up	0.001028567	Hps3
22333	2036	444.952836	902.4320529	1.020165889	0.020701042	Up	0.000285127	Vdac1
215693	3733	143.3433301	290.6214777	1.01966655	0.020677778	Up	0.000278123	Zmat1
71183	1565	166.3713868	337.2346725	1.019345539	0.022535723	Up	0.000354595	Clec12b
17999	5494	1699.915696	3445.670106	1.019321382	0.018793863	Up	0.000185532	Nedd4
14870	746	414.5631717	840.1328395	1.019025503	0.035605657	Up	0.001231241	Gstp1
14467	2115	307.697941	623.5043978	1.018884946	0.022968444	Up	0.000391836	Gbas
93747	1491	365.2575142	739.9071244	1.018430237	0.045691225	Up	0.002098921	Echs1
23928	5930	612.2506153	1240.201553	1.018380377	0.019290109	Up	0.000214481	Lamc3
11757	1445	385.1288637	779.7463672	1.017663675	0.031048326	Up	0.000883386	Prdx3
19156	2666	4825.921149	9770.328671	1.017602751	0.020677778	Up	0.000280189	Psap
71263	2066	396.613923	802.6962299	1.017118798	0.017934955	Up	0.000158497	Mro
235611	8600	342.8566367	693.7758445	1.016864162	0.022968444	Up	0.000397049	Plxnb1
16452	5055	167.1071249	338.0309851	1.016382248	0.032960598	Up	0.001024638	Jak2
19025	3386	247.532415	500.28582	1.015135099	0.038112899	Up	0.001432705	Ctsa
231801	2927	287.1427542	579.9995448	1.014283611	0.017399038	Up	0.00012976	Agfg2
17886	7439	422.4222125	853.2020561	1.014201743	0.034956546	Up	0.001176922	Mylh9
22117	1096	210.3141158	424.6145315	1.013608061	0.024658689	Up	0.000509183	Tst
94280	2968	255.4257289	515.3558523	1.0126651	0.0288274	Up	0.000738176	Sfxn3
14433	1414	1745.029545	3519.625804	1.012170592	0.022968444	Up	0.000389701	Gapdh
67068	721	123.1387838	248.3215852	1.011924447	0.023044425	Up	0.000401921	Dynlrb1
72007	6901	458.3332625	923.4461124	1.010630785	0.019171768	Up	0.000193423	Fndc3b
12759	1832	14051.95064	28308.8331	1.010481868	0.019290109	Up	0.000225071	Clu
13205	4571	742.1425309	1494.934122	1.010313717	0.024683086	Up	0.000511403	Ddx3x
66684	2256	133.8249256	269.5637652	1.010279732	0.04008404	Up	0.001614112	Tceal8
209225	4517	107.3900826	216.2818976	1.010052152	0.017930932	Up	0.000153278	Zfp710
17988	2909	228.7906856	460.2132988	1.008274354	0.028596161	Up	0.000718695	Ndrgr1
11740	1317	622.5323913	1250.520033	1.006307359	0.028101949	Up	0.000689107	Slc25a5
54609	3343	366.9394171	736.9664998	1.006057151	0.014039847	Up	7.01E-05	Ublq1n2
59044	1658	302.8654233	608.2783554	1.006054787	0.023890029	Up	0.000460354	Rnf130
76795	5229	642.9605484	1290.373886	1.004987025	0.020701042	Up	0.000286846	Tbc1d9b
17872	2345	99.48132112	199.4967028	1.00386733	0.028797722	Up	0.000732451	Ppp1r15a
12036	1781	553.311957	1109.243396	1.003410959	0.025998192	Up	0.00057831	Bcat2
73124	4526	132.8593991	266.2995664	1.003149785	0.047431598	Up	0.002276802	Golim4
22174	4009	984.1386357	1972.093344	1.002794372	0.016828865	Up	0.000114283	Tyro3
270076	2150	85.54772127	171.3828107	1.002421086	0.039195312	Up	0.00153106	Gcdh
20352	3946	190.4750925	381.553135	1.002281624	0.037248816	Up	0.001362586	Sema4b
14609	3105	848.1172135	1696.16584	0.999941664	0.017851899	Up	0.000142238	Gja1
320736	2743	214.8567424	429.6376823	0.999745482	0.025687043	Up	0.000564102	Vstm4
217517	4325	86.07535101	172.0275873	0.998967878	0.041416086	Up	0.001707187	Stxbp6
20787	4297	301.8692348	602.949131	0.99811256	0.025490008	Up	0.000549346	Sreb1f1
74365	7509	1068.866118	2134.760567	0.99799311	0.01609485	Up	9.78E-05	Lonrf3
69581	3367	308.0198864	614.922287	0.997380599	0.024658689	Up	0.000506901	Rhou
57783	2799	184.9700383	369.1970712	0.997099508	0.04728735	Up	0.002258683	Tnip1
72281	2767	135.7501102	270.8875534	0.996740737	0.03252863	Up	0.000982038	Sh2d4a
104718	3458	232.6984492	464.2970635	0.99658656	0.033631455	Up	0.001074316	Ttc7b
229615	2951	95.66258065	190.8652319	0.996527709	0.021041371	Up	0.000303869	Pias3
22278	1801	227.4809097	453.6804569	0.995931036	0.016828865	Up	0.000119166	Usf1
72039	2992	140.0296209	279.2554748	0.995853528	0.041831776	Up	0.001738407	Mccc1
192194	4772	390.2997001	778.0895606	0.99535387	0.020089981	Up	0.000249425	Btln10
12833	3990	234.6102993	467.475237	0.994623597	0.04297249	Up	0.00183583	Col6a1
67739	2526	319.4865456	636.4422429	0.994274419	0.034700235	Up	0.00115483	Slc48a1
268860	4648	987.2431426	1966.624279	0.994244012	0.019290109	Up	0.000206296	Abat
268880	3111	50.17333797	99.90692931	0.993663821	0.032896476	Up	0.00100404	Xxy1t1
26362	5035	912.5240679	1816.246386	0.993025411	0.016828865	Up	0.000117286	Axl
72759	3693	171.3269191	340.981543	0.992941802	0.025892336	Up	0.00057484	Tmem135
17254	2612	2066.308365	4111.098176	0.992468254	0.023091117	Up	0.000406934	Slc3a2
56078	3465	82.63550651	164.3775828	0.992179852	0.04728735	Up	0.00225436	Car5b
225791	3321	255.2537265	507.6992083	0.992041987	0.021442047	Up	0.000318411	Zadh2
22248	1335	443.538584	881.5647597	0.991006942	0.019656249	Up	0.000235422	Unc119
104923	1676	126.885569	252.1112434	0.990532462	0.049017662	Up	0.002400313	Adi1
68833	1706	79.03126255	157.0247845	0.990496929	0.031567216	Up	0.000917693	Pdcl3
23794	8104	163.6067578	324.9857673	0.990144197	0.049211656	Up	0.002420593	Adamts5

622404	814	99.60994977	197.8598151	0.990116873	0.027754492	Up	0.00067182	Ccdc107
18648	1855	1060.930044	2106.669735	0.989634628	0.026788615	Up	0.000618989	Pgam1
74149	2944	49.89303878	98.98630447	0.98839039	0.049593476	Up	0.002462891	Zfp946
22628	3592	581.3693849	1153.160773	0.988066661	0.024005571	Up	0.000478875	Ywhag
17936	5098	274.3574861	543.6947122	0.986739855	0.031567216	Up	0.000917068	Nab1
14460	1900	151.8835546	300.9065457	0.986349822	0.033255253	Up	0.001043662	Gata1
66395	13754	620.0342907	1227.912129	0.985787413	0.044367586	Up	0.001954721	Ahnak
16832	1335	1486.734658	2939.184355	0.983268664	0.022968444	Up	0.000384256	Ldhd
16155	1878	163.5257484	322.8757959	0.981461478	0.04728735	Up	0.002260709	Il10rb
27355	4289	282.4376764	557.5898233	0.981271677	0.028596161	Up	0.000716489	Pald1
15216	1722	162.6951809	321.1466187	0.981060588	0.04619093	Up	0.002138782	Hfe
74720	1406	270.4904602	533.8086348	0.980744929	0.019290109	Up	0.000206432	Tmem114
73910	3616	187.616959	370.2422149	0.980679159	0.049884917	Up	0.002528976	Arhgap18
234378	3019	77.83602071	153.5444633	0.98014663	0.046306948	Up	0.002156752	Klhl26
71435	6944	176.8991293	348.901186	0.979891555	0.03837023	Up	0.001453957	Arhgap21
27059	7151	415.2416337	818.3082555	0.978693306	0.01609485	Up	9.61E-05	Sh3d19
14683	1714	2203.028247	4340.909747	0.978509434	0.020472888	Up	0.00027183	Gnas
245572	2943	99.25113275	195.3735639	0.977079795	0.020701042	Up	0.000284704	Tbx22
21672	1476	795.7996412	1566.475187	0.977044764	0.033356611	Up	0.001052666	Prdx2
103012	4799	217.8688477	428.4423586	0.975641196	0.029800929	Up	0.000798475	Fire
20539	3513	3133.457238	6161.792096	0.9755947	0.017903692	Up	0.000146644	Slc7a5
21676	9658	146.7851949	288.2132409	0.973430155	0.049620513	Up	0.002495604	Tead1
12616	2827	444.1704628	872.0243745	0.973255004	0.019290109	Up	0.000215729	Cenpb
19072	2768	172.791176	338.972252	0.972137635	0.017930932	Up	0.000156515	Prep
333433	4393	168.0858595	329.6119457	0.971570169	0.034143519	Up	0.001120111	Gpd1l
69274	4203	296.6608131	581.7117064	0.971489969	0.020012906	Up	0.000244953	Ctdspl
75104	2159	765.2304595	1500.43579	0.971415376	0.022968444	Up	0.000391316	Mmd2
11988	7722	285.1976047	558.8764104	0.970567417	0.038943683	Up	0.00149919	Slc7a2
13497	6645	154.588993	302.8446017	0.970140094	0.037963609	Up	0.001412644	Drp2
68799	2633	87.348292	170.8011987	0.967466702	0.033843391	Up	0.001093454	Rgmb
14555	2809	483.7711242	945.9483352	0.967436731	0.023934064	Up	0.000465339	Gpd1
19341	1427	81.44795294	159.2510432	0.967352479	0.035180161	Up	0.001192034	Rab4a
330319	4257	854.8598072	1671.454374	0.967344224	0.014922825	Up	7.98E-05	Wipf3
226999	3493	189.0992253	369.5704621	0.966706001	0.021442047	Up	0.000320748	Slc9a2
108927	2107	172.7765487	337.6486246	0.96661527	0.041103186	Up	0.001680822	Lhfp
17992	492	213.542319	417.169896	0.966113047	0.029640645	Up	0.000784741	Ndufa4
20905	2283	72.0236377	140.6466065	0.965532371	0.039354662	Up	0.001562039	Sts
14766	3514	625.9268874	1221.544769	0.964640684	0.021442047	Up	0.000316812	Adgrg1
17387	3801	491.7255648	958.8879598	0.963508892	0.029638563	Up	0.000775558	Mmp14
72017	1784	523.018942	1019.795239	0.963344406	0.023044425	Up	0.000400512	Cyb5r1
68597	4489	62.13215249	121.1251786	0.963086853	0.029978671	Up	0.000813895	Ccdc167
170676	6590	1029.841354	2006.41435	0.962197463	0.019290109	Up	0.000214688	Peg10
59009	5199	138.5753317	269.5196042	0.959719755	0.021898165	Up	0.000330306	Sh3r1
66471	3271	320.0540642	622.1526022	0.958952861	0.020836508	Up	0.000291156	Anp32e
320237	3064	239.2774253	465.1130518	0.958897133	0.029800929	Up	0.000795916	Ssim10l2a
15452	1349	147.4268155	286.5709934	0.958893627	0.016828865	Up	0.000111071	Hprt
107515	5066	208.0438788	404.3567823	0.958740969	0.032792895	Up	0.000999457	Lgr4
664862	2956	91.22922894	177.2804663	0.958465553	0.045691225	Up	0.002097685	Gpr137b-ps
15277	5524	546.2277163	1059.730276	0.956122689	0.018393264	Up	0.000172698	Hk2
13167	587	384.3334905	745.4121047	0.95567955	0.031567216	Up	0.000915247	Dbi
52428	3439	230.7143673	447.2208326	0.954879546	0.026378819	Up	0.000602698	Rhpn2
230857	4742	327.8999716	635.5609305	0.954774665	0.029194681	Up	0.000756391	Ece1
227292	2790	254.8143758	493.7348157	0.954289708	0.045107523	Up	0.002041391	Ctdsp1
72133	3980	53.57862496	103.7641782	0.953579016	0.039354662	Up	0.001561231	Trub1
66922	2289	243.2491959	470.9601424	0.953169933	0.026378819	Up	0.000600846	Rras2
52118	2902	133.8987108	259.0910613	0.952317173	0.034712253	Up	0.00115886	Pvr
50935	2423	257.3061023	497.87256	0.952290831	0.038827993	Up	0.001489514	St6galnacc6
18611	2477	374.1293993	723.8958987	0.952244905	0.036328559	Up	0.001306569	Pea15a
20356	10809	217.2968515	420.1302724	0.951169472	0.04501294	Up	0.002014201	Sema5a
26401	6963	233.7463829	451.8585826	0.950927286	0.01353896	Up	4.27E-05	Map3k1
67771	1897	412.1397649	796.2246136	0.950041803	0.022968444	Up	0.000394671	Arpc5
56462	1710	372.7637679	719.8893347	0.949513505	0.022968444	Up	0.000379564	Mtch1
54651	3367	120.5359969	232.7148089	0.949098963	0.029640645	Up	0.000784877	Usp27x
70350	1855	504.1101399	972.8282528	0.948446154	0.016828865	Up	0.000118919	Basp1
20848	4517	594.9255265	1147.699892	0.94796446	0.035843836	Up	0.001262422	Stat3
66995	2869	53.58950784	103.3689669	0.947780657	0.042503389	Up	0.001793802	Zcchc18
20971	2460	592.0368824	1141.679579	0.947398844	0.023191052	Up	0.000422892	Sdc4
13803	4752	426.7213799	822.6261179	0.946942482	0.023594022	Up	0.00044635	Enc1
16777	5780	294.1839516	566.4515355	0.94523398	0.032485267	Up	0.000977485	Lamb1
66208	658	181.8364195	350.0727225	0.94501347	0.046643947	Up	0.002183702	Nenf
20909	1372	133.8053276	257.5905191	0.944943935	0.034058715	Up	0.001115861	Stx4a
216190	3260	1017.561473	1958.646274	0.944740921	0.020313741	Up	0.000260782	Appl2
320924	5668	349.5958736	672.7739144	0.944433613	0.037248816	Up	0.001362093	Ccbe1
20112	5435	732.1450892	1408.188252	0.943638731	0.022274541	Up	0.000345345	Rps6ka2
245610	3948	1216.328527	2338.023955	0.942756762	0.01390321	Up	6.80E-05	Nxf3
22589	10244	333.6565328	640.8981431	0.941731339	0.039354662	Up	0.001562514	Atrx
74123	4019	211.3878341	405.8365799	0.94100656	0.026297699	Up	0.000594042	Foxp4
68859	3440	264.8479225	508.358996	0.940683476	0.022472046	Up	0.000351656	Ssim1
208968	4046	146.7243864	281.5638799	0.940353596	0.023955121	Up	0.000468838	Zfp280c
208292	10857	199.8003112	383.0641226	0.939027081	0.048239792	Up	0.002333387	Zfp871
66515	5546	197.4058951	378.4657227	0.938997569	0.033829625	Up	0.001087142	Cul7

18641	3741	396.5791603	760.0697491	0.938522948	0.048105517	Up	0.002322636	Pfkl
26900	4638	289.1725075	554.1211805	0.938271115	0.026681688	Up	0.000613752	Ddx3y
53331	2357	223.1592986	427.5814168	0.938125231	0.04501294	Up	0.002010801	Stx7
54712	6922	466.6335282	893.7463538	0.937575481	0.023102819	Up	0.000408335	Plxnc1
72599	1823	369.846573	708.3016338	0.937436962	0.024683086	Up	0.000513889	Pdia5
69202	1151	328.873233	629.5583096	0.936808414	0.031189429	Up	0.000891434	Ptms
71943	2175	113.1617794	216.5823722	0.936529058	0.032094646	Up	0.000956046	Tom11l
68041	2056	260.7843641	499.1011571	0.936474876	0.045107523	Up	0.002043892	Mid1ip1
20682	4146	285.8129456	546.6537481	0.935556052	0.023050397	Up	0.000404428	Sox9
269608	3857	301.4851295	576.6005153	0.935485282	0.021898165	Up	0.000332184	Plekhg5
12894	4331	805.1298728	1539.09328	0.934878249	0.031065173	Up	0.000886543	Cpt1a
71653	3803	315.0755977	601.8061451	0.933600815	0.023191052	Up	0.000414251	Shtn1
94212	8234	110.8081097	402.2806349	0.932271923	0.038066406	Up	0.001426034	Pag1
107747	3422	896.1103485	1709.779621	0.93206208	0.032094646	Up	0.000955065	Aldh11l
19299	3398	434.0463027	827.1553473	0.930309353	0.021076245	Up	0.000307099	Abcd3
14964	1736	497.9828304	948.2788147	0.929215304	0.049884917	Up	0.002527999	H2-D1
20591	11032	446.7243838	849.6327672	0.927454402	0.017775479	Up	0.000133563	Kdm5c
20450	5376	465.4805246	884.3484918	0.925894191	0.021442047	Up	0.000320507	St8sia2
19655	2399	126.820224	240.8280738	0.92521875	0.020472888	Up	0.000269301	Rbmx
216825	4442	578.3582272	1098.123943	0.925005637	0.024005571	Up	0.000480665	Usp22
54411	2189	379.9237454	721.2770882	0.924843713	0.035605657	Up	0.001233998	Atp6ap1
242523	4073	328.2309286	622.9584467	0.924424747	0.028277921	Up	0.00069689	Dmrta1
214579	5647	157.3966782	298.5424976	0.92353122	0.036742861	Up	0.001332101	Aldh5a1
67437	2885	749.2299527	1420.791673	0.92321455	0.036328559	Up	0.001306428	Ssr3
19267	5407	336.2726291	637.3907388	0.922546701	0.021898165	Up	0.000332705	Ptpre
68617	6772	489.7063951	927.9154453	0.922076312	0.020472888	Up	0.000269606	Mtcl1
235623	4199	569.2179955	1078.390062	0.921825929	0.035001666	Up	0.00117995	Scap
70495	2376	238.666736	452.151888	0.921809982	0.039354662	Up	0.001553763	Atp6ap2
223255	2575	384.5765961	728.5000583	0.92165812	0.031024337	Up	0.000880419	Stk24
108155	6671	763.4224086	1445.539713	0.921054805	0.017775479	Up	0.00013531	Ogt
67246	6143	265.6678953	502.9564555	0.920809605	0.017930932	Up	0.000152284	2810474019Rik
231637	7944	274.6055642	519.2127608	0.918964983	0.019290109	Up	0.00022173	Ssh1
22793	2610	645.267305	1219.516878	0.918340893	0.036102861	Up	0.001279327	Zyx
13384	4184	137.9195393	260.6405222	0.918234539	0.029800929	Up	0.000800533	Mpp3
69362	546	903.396872	1706.60578	0.917698016	0.025675952	Up	0.000558967	Cst12
66961	3282	1815.227166	3427.681486	0.91708295	0.024969144	Up	0.00052851	Neat1
12793	1484	162.5232696	306.3766555	0.914660081	0.043920578	Up	0.001898509	Cnih1
14218	10416	120.9476085	227.9784447	0.914515181	0.038951188	Up	0.001510933	Sh3pxd2a
18417	1872	1305.548606	2459.040724	0.913439457	0.024994765	Up	0.000531207	Cldn11
59095	1800	607.303565	1143.742663	0.913272745	0.01877924	Up	0.000184578	Fxyd6
213783	7340	428.0546052	806.1481119	0.913250079	0.017903692	Up	0.000145854	Plekhg1
26398	3728	305.8094353	575.391754	0.911911626	0.034404592	Up	0.001136092	Map2k4
277396	4728	808.7857386	1521.547916	0.911710303	0.027455972	Up	0.000643878	Klhl23
208111	5011	89.90413287	168.8100813	0.908941722	0.037248816	Up	0.001364035	Zfp976
12321	3229	695.4237907	1305.606844	0.908756197	0.023191052	Up	0.000417651	Calu
228608	2177	218.1966358	409.6060278	0.908608088	0.039195312	Up	0.001536216	Smox
70536	2052	598.9252586	1123.55685	0.907625242	0.022968444	Up	0.000393872	Qpct
18160	3653	1218.512235	2285.314499	0.907271982	0.017930932	Up	0.00015137	Npr1
330662	6815	218.9568005	410.2165785	0.905739539	0.041416086	Up	0.001702443	Dock1
20361	3290	778.3990689	1457.674062	0.905086278	0.033829625	Up	0.001087938	Sema7a
20348	4956	294.6908259	549.8947124	0.899953266	0.03926696	Up	0.00154549	Sema3c
67988	4611	263.2074569	491.0300702	0.899611014	0.039546979	Up	0.001578468	Tmx3
12193	3537	198.5302371	370.1604658	0.898792066	0.039081901	Up	0.001519674	Zfp36l2
16412	4194	903.884811	1685.151273	0.89866727	0.036868009	Up	0.001338228	Itgb1
19328	2010	238.9144825	445.404267	0.89862107	0.04424094	Up	0.001941224	Rab12
230514	1827	280.2026905	522.3554599	0.898561078	0.049167049	Up	0.00241628	Leprot
14463	3452	483.5548484	901.2074395	0.898179683	0.046306948	Up	0.002157943	Gata4
15185	4083	1251.50691	2332.297244	0.898085411	0.022591026	Up	0.000359121	Hdac6
11975	3998	492.3716598	917.1828673	0.897461681	0.023044425	Up	0.000399651	Atp6v0a1
68312	1339	823.9704583	1534.855761	0.897438565	0.047191071	Up	0.002233728	Gstm7
19088	2749	183.4377204	341.690561	0.897400063	0.020098809	Up	0.000250401	Prkar2b
103534	2429	672.5904773	1252.667799	0.897203612	0.029640645	Up	0.000778491	Mgat4b
230810	3313	698.2735655	1299.932906	0.8965729	0.020012906	Up	0.000243948	Slc30a2
14701	4219	514.6504964	957.4740081	0.895640305	0.030720673	Up	0.000857312	Gng12
494448	5449	243.073676	451.9831035	0.894875178	0.048788649	Up	0.002368238	Cbx6
18032	5715	163.1925251	303.405321	0.89467141	0.042804799	Up	0.001812058	Nfix
76441	6744	2343.037221	4355.582227	0.894485709	0.010206271	Up	2.41E-05	Daam2
27055	3011	483.2214261	898.2505595	0.894433504	0.049620513	Up	0.002490313	Fkbp9
21833	2463	178.7786154	331.9200727	0.8926617	0.046890913	Up	0.002203349	Thra
110391	1394	310.0193492	575.5201178	0.892508099	0.027801278	Up	0.000675946	Qdpr
50799	3130	101.8442625	189.0600572	0.89247989	0.043257714	Up	0.001857129	Slc25a13
72043	3674	506.4984459	939.9882353	0.892084858	0.044784075	Up	0.001990984	Sulf2
22670	3632	468.9597263	870.1277071	0.891763127	0.017903692	Up	0.000144679	Trim26
22704	4609	147.6562631	273.8941969	0.891376147	0.035605657	Up	0.001234655	Zfp46
77519	6304	159.6232241	295.8190004	0.890044151	0.023757041	Up	0.000451882	Zfp266
78943	3976	205.2836531	380.2761302	0.889428635	0.049620513	Up	0.002473471	Ern1
14758	3869	637.4121161	1180.330314	0.888892305	0.028596161	Up	0.000714697	Gpm6b
19079	2010	93.98414248	173.9840115	0.888465471	0.03096744	Up	0.000875744	Prkab1
15510	2325	753.9990417	1395.773536	0.888430289	0.023867335	Up	0.000458491	Hspd1
17159	4326	613.6096673	1135.02159	0.887326623	0.045707408	Up	0.002112271	Man2b1
192231	3401	331.7030712	613.5040004	0.887180381	0.021898165	Up	0.000334812	Hexim1

72144	4184	201.3519676	372.3374386	0.886891117	0.036328559	Up	0.001303867	Slc37a3
27061	1267	246.3107176	455.3462645	0.886484644	0.025687043	Up	0.000561484	Bcap31
1.01E+08	5553	116.5623284	215.2773951	0.885095238	0.036426984	Up	0.001314368	Ccdc170
235406	4564	290.2806915	536.1062739	0.885070407	0.036328559	Up	0.00130925	Snx33
73828	2068	212.5438815	392.4868101	0.884883443	0.032960598	Up	0.001025889	Dcaf4
226791	1555	66.33316485	122.4724342	0.884654802	0.038827993	Up	0.001488727	Lyp1a1
21351	1276	341.9654176	631.3491444	0.88458762	0.043172657	Up	0.001848103	Taldo1
56516	5216	279.051462	515.0690299	0.884234591	0.029638563	Up	0.000775291	Rbms2
64143	2293	404.624531	746.3449485	0.883258787	0.04728735	Up	0.002249305	Ralb
14357	3715	521.1531515	961.1514642	0.883056398	0.041650578	Up	0.0017219	Dtx1
268301	4513	216.5595121	399.1878144	0.882304139	0.016962369	Up	0.000123008	Sowahc
18145	5209	115.2395588	212.4004051	0.882150475	0.049796388	Up	0.002520195	Npc1
14661	3158	368.5905347	679.0678868	0.881536785	0.035605657	Up	0.001235615	Glud1
225020	1974	182.4651198	336.0363439	0.880996572	0.038255558	Up	0.001447962	Fez2
16008	1342	148.8075914	273.9746679	0.880594379	0.034712253	Up	0.001161215	Igfbp2
228880	4964	163.2042208	300.4463176	0.880428871	0.045107523	Up	0.002030137	Zmynd8
26465	2578	183.7177315	337.9385376	0.879270006	0.026332493	Up	0.000595963	Zfp146
246700	414	1530.721617	2813.261823	0.878031895	0.044591294	Up	0.00197809	Defb19
26444	972	328.8514974	604.3799089	0.878019463	0.039546979	Up	0.001571952	Psm7
170625	3945	178.3555073	327.6903235	0.877577307	0.039619418	Up	0.001585331	Snx18
19128	3314	507.8599972	932.7091311	0.8769964	0.032792895	Up	0.000999464	Pros1
259302	8759	655.1468593	1203.205188	0.876992447	0.011863443	Up	3.28E-05	Srgap3
272027	4259	190.8496357	350.1718601	0.87562672	0.033385695	Up	0.001061252	Tstd2
11820	3298	1561.072011	2863.718699	0.875352695	0.023934064	Up	0.000464689	App
27359	3504	320.4982676	587.6187775	0.87456394	0.027623379	Up	0.000658955	Syt14
110695	2945	736.7695818	1350.247536	0.873938511	0.025687043	Up	0.000567521	Aldh7a1
20973	1524	219.6086265	402.1714777	0.872876042	0.030204955	Up	0.000828139	Syng2
235533	7161	155.0860819	283.9395734	0.872514717	0.031567216	Up	0.000926615	Gk5
98396	4675	506.3318395	926.8082872	0.872187737	0.043257714	Up	0.001857339	Slc41a1
384061	2718	410.099546	750.6424043	0.872151645	0.023594022	Up	0.000443452	Fndc5
380912	4320	280.0934252	512.6116405	0.871958121	0.026891797	Up	0.000623251	Zfp395
66950	4204	558.9095322	1022.756953	0.871776659	0.023867335	Up	0.000457603	Tmem206
231668	4267	568.2783581	1039.510164	0.871234185	0.022535723	Up	0.000354491	Vsig10
67017	3609	327.0020753	598.0750983	0.871026859	0.038831133	Up	0.001491509	Fam210b
69617	3550	249.739552	456.7097308	0.870853205	0.033348188	Up	0.00104958	Pitrm1
56464	1975	341.9638978	625.2729625	0.870642112	0.033385695	Up	0.001060769	Ctsf
12827	5374	407.8150101	745.3028299	0.869911861	0.029640645	Up	0.000784496	Col4a2
57810	7390	124.6063397	227.5881591	0.869048028	0.047191071	Up	0.002231582	Cdon
110796	5814	252.6279783	461.2516628	0.868539687	0.043951632	Up	0.001903143	Tshz1
71881	2190	163.8440694	299.1235812	0.868418196	0.033843391	Up	0.001099852	Apm4
68262	1910	299.6842158	546.8477272	0.867696062	0.023464904	Up	0.000433955	Apgat4
109785	4582	189.9813918	346.5906695	0.867374699	0.033916968	Up	0.001103906	Pgm3
94089	3276	508.1153435	926.6645588	0.866891166	0.026681688	Up	0.000615369	Trim7
15507	913	381.4935169	695.5339842	0.866462467	0.034948782	Up	0.001175154	Hspb1
106861	1895	164.0563276	299.0777931	0.866329553	0.045107523	Up	0.002045657	Abhd3
21425	2357	89.9769407	163.9767896	0.865864401	0.031706268	Up	0.000934909	Tfeb
21423	3311	296.4071137	539.7046483	0.86459004	0.032010192	Up	0.00095077	Tcf3
104776	3420	658.4575617	1198.262529	0.86378166	0.039195312	Up	0.001528841	Aldh6a1
50790	5074	422.0574123	767.8025703	0.863296128	0.049017662	Up	0.002392029	Acs14
72102	8277	604.8559194	1100.067396	0.862928485	0.01609485	Up	9.62E-05	Dusp11
233210	6879	295.729468	537.7354468	0.862618567	0.020012906	Up	0.000245824	Prr12
60599	5416	475.5723253	864.7396915	0.862601147	0.032960598	Up	0.001024719	Trp53inp1
68539	2017	335.6073842	610.1049164	0.862282897	0.038827993	Up	0.001489715	Tmem109
108148	4131	203.4383786	369.6915718	0.861730284	0.04555032	Up	0.002079484	Galnt2
70737	5025	1337.354024	2430.062212	0.861611822	0.021041371	Up	0.000302577	Cgn
16451	5299	827.2249945	1502.986597	0.861480462	0.038112899	Up	0.00143239	Jak1
665113	6996	473.3836833	859.7283501	0.860870901	0.022660039	Up	0.000364329	Tnik
76976	1540	143.4542238	260.526823	0.860841469	0.032217054	Up	0.000965134	Arxes2
56484	6012	712.6068025	1293.131395	0.859690714	0.035477697	Up	0.001220468	Foxo3
12705	912	442.2598043	802.4582331	0.859532178	0.032960598	Up	0.001018794	Cited1
66111	1324	738.4050337	1339.534535	0.859247484	0.035789102	Up	0.001258952	Tmed3
21429	4642	704.1188207	1277.320607	0.859229876	0.025603212	Up	0.000554072	Ubtf
56397	1848	573.0675876	1039.506881	0.859122102	0.049342411	Up	0.002429152	Morf4l2
110078	3860	297.6190814	539.8610134	0.859121009	0.035385188	Up	0.001215227	Pygb
12168	11094	346.0033214	626.8824559	0.857409068	0.029640645	Up	0.000787112	Bmpr2
107351	5372	370.1169978	670.0676123	0.856325283	0.032217054	Up	0.000965248	Kank1
67760	4645	563.1929511	1018.957111	0.855392146	0.031567216	Up	0.000910666	Slc38a2
53610	2467	362.0098666	654.6480279	0.85469043	0.046877943	Up	0.002200719	Nono
54525	6798	518.21761	937.0100177	0.85450643	0.024658689	Up	0.000508419	Syt7
246257	2642	114.0079911	206.0914493	0.854149699	0.015285196	Up	8.37E-05	Ovca2
19652	1371	594.5801112	1074.777229	0.85409455	0.045077648	Up	0.002024465	Rbm3
239435	1360	1910.303411	3450.650383	0.85306651	0.028596161	Up	0.000713297	Aard
320795	3404	338.5186068	611.305472	0.852658347	0.04424094	Up	0.001943668	Pkn1
75767	6874	455.844531	822.9166382	0.852204425	0.032960598	Up	0.001023699	Rab11fip1
245350	1680	103.8236666	187.3839827	0.851862296	0.044209219	Up	0.001921987	AA414768
218236	4919	669.3419477	1207.856474	0.851633698	0.024683086	Up	0.000512977	Fam120a
68952	1500	60.8855058	109.8517162	0.851386678	0.040457051	Up	0.001637676	Fam57b
22327	1601	111.7945517	201.6610023	0.851082239	0.033843391	Up	0.001090143	Vbp1
20454	2258	630.6011472	1137.141096	0.850611575	0.028596161	Up	0.000718073	St3gal5
224826	7696	444.4432805	801.3469365	0.850427665	0.01390321	Up	6.06E-05	Ubr2
21859	4681	744.4883265	1341.358205	0.849373423	0.035097284	Up	0.001186078	Timp3

20443	1884	310.8232345	559.869742	0.848996861	0.038827993	Up	0.001483782	St3gal4
73095	3181	93.6477705	168.679134	0.848964967	0.02997963	Up	0.000816792	Slc25a42
68682	3524	1028.293863	1851.766729	0.848649758	0.02612498	Up	0.000582325	Slc44a2
19241	670	980.5929004	1764.781913	0.847763688	0.048105517	Up	0.002320798	Tmsb4x
13063	3059	356.0380828	640.5878637	0.847364902	0.041103186	Up	0.001683322	Cycs
26921	5668	887.670241	1596.803672	0.847091207	0.028821318	Up	0.000735536	Map4k4
233115	7671	133.1355457	239.3159436	0.846020709	0.031872346	Up	0.000943928	Dpy19l3
53860	3716	850.3208551	1528.148556	0.845705571	0.020155113	Up	0.000253192	9-Sep
105245	2670	697.3817028	1252.342131	0.844608332	0.032487054	Up	0.000978939	Txndc5
18749	4338	258.5568465	464.2279136	0.844351766	0.043920578	Up	0.001895356	Prkacb
224022	3264	617.9427133	1109.117801	0.8438676	0.042811427	Up	0.001825253	Slc7a4
70599	5109	551.7777994	989.6495395	0.842830309	0.031575032	Up	0.000929678	Ssfa2
17250	5959	969.5556174	1738.792747	0.842690419	0.020859299	Up	0.000293397	Abcc1
66082	2065	246.7382169	442.3400122	0.842174558	0.039354662	Up	0.001557271	Abhd6
208211	1772	220.9031429	395.8995482	0.841720476	0.04948401	Up	0.002442427	Alg1
15531	7826	494.3751737	886.0110652	0.84171842	0.027528027	Up	0.000646755	Ndst1
53332	4636	321.1590959	575.3556101	0.841165761	0.02104232	Up	0.000305697	Mttr1
232174	5086	683.6855236	1224.36448	0.840628314	0.019171768	Up	0.000197285	Cyp26b1
246277	2477	133.2121147	238.5128441	0.840341667	0.035789102	Up	0.001254228	Csad
217038	2490	85.24483017	152.5863454	0.839941617	0.044209219	Up	0.001926753	Mrm1
72459	2801	538.1752003	963.179305	0.839728483	0.042811427	Up	0.001825258	Htatsf1
14009	4146	76.80297041	137.4220473	0.839379467	0.040719473	Up	0.001659234	Etv1
67043	2316	495.7607579	886.9574983	0.839220895	0.045691225	Up	0.002100544	Syap1
20663	5813	321.1225593	574.4670957	0.839100241	0.026243911	Up	0.000591696	Sos2
70784	2411	101.7309185	181.9737626	0.838972238	0.047055195	Up	0.00221914	Rasl12
94275	2752	2980.650571	5330.440514	0.83862751	0.024683086	Up	0.000515424	Maged1
98733	7310	976.1202955	1744.97569	0.838076079	0.018393264	Up	0.000171984	Obsl1
20360	3976	836.540283	1494.628658	0.837280171	0.023191052	Up	0.000419119	Sema6c
382207	4903	550.1811065	982.6378362	0.836753193	0.023191052	Up	0.000420617	Jade3
67247	1883	409.8119053	731.1578351	0.835220978	0.041992181	Up	0.001750504	2-Mar
26943	3694	7071.182296	12612.0136	0.834775273	0.046643947	Up	0.002181695	Serinc3
20286	5843	1629.098511	2900.55329	0.83225428	0.023594022	Up	0.0004434	Zc3h7b
330914	10717	609.494963	1084.595967	0.831471508	0.02099543	Up	0.000298681	Arhgap32
107375	1935	227.5657092	404.8375818	0.831060043	0.033356611	Up	0.001055471	Slc25a45
99382	4595	301.2753016	535.9085402	0.830904401	0.042811427	Up	0.001818576	Abtb2
12988	2772	271.3721462	482.5670707	0.830456823	0.042481619	Up	0.00178922	Csk
16784	2281	918.2706643	1632.231015	0.829853899	0.035258064	Up	0.0012041	Lamp2
76130	2818	222.9073204	396.2180687	0.829850677	0.035258064	Up	0.001205313	Las1l
12418	5213	173.008921	307.4838497	0.829664205	0.028876349	Up	0.000742745	Cbx4
320292	2995	136.0948193	241.8052996	0.829233715	0.031510965	Up	0.000904699	Rasgef1b
20677	2969	118.8580266	211.1311417	0.828900058	0.035756734	Up	0.001245763	Sox4
14229	4006	931.7594182	1654.174175	0.828081748	0.037963609	Up	0.001413523	Fkbp5
11836	2104	234.4311237	415.9926499	0.827393919	0.037791241	Up	0.001399434	Araf
211586	7456	502.3744267	891.2049373	0.826994199	0.038951188	Up	0.001511233	Tfdp2
229003	10124	84.72628418	150.2233806	0.826272866	0.028277921	Up	0.000698506	Helz2
54667	5597	886.0006725	1570.884602	0.826197504	0.032960598	Up	0.001024598	Atp8b2
380698	24025	82.99511493	147.0929208	0.825629488	0.028596161	Up	0.000711306	Obscn
20564	5017	248.1154787	439.1893026	0.823831174	0.039195312	Up	0.001527942	Slit3
330814	8288	1779.894072	3149.93304	0.823529777	0.016828865	Up	0.000118123	Adgr1l
99889	2942	169.0690279	299.1206655	0.823115193	0.036051367	Up	0.001271286	Arfp1
245631	4520	1200.134373	2122.651693	0.822671712	0.025687043	Up	0.000568667	Mum11
243725	10287	1001.056713	1770.087657	0.822297096	0.01353896	Up	5.72E-05	Ppp1r9a
18617	869	154.0904382	272.430845	0.822112716	0.033843391	Up	0.001093054	Rhox5
243382	5616	93.88920816	165.9779885	0.821960683	0.049620513	Up	0.002491045	Ppm1k
240444	2882	78.78900888	139.2668089	0.821785173	0.027623379	Up	0.000656578	Kcng2
65960	4071	305.6335853	539.9779196	0.821097329	0.046306948	Up	0.002150362	Twsg1
11518	3988	857.1819601	1513.986183	0.820678646	0.037279504	Up	0.001370842	Add1
219151	3405	111.4403531	196.8036727	0.820485411	0.044263283	Up	0.001948218	Scara3
80884	2114	534.8712732	943.6836687	0.819111615	0.021898165	Up	0.000337669	Maged2
56442	2889	846.3059952	1492.36484	0.818348984	0.049167049	Up	0.002415046	Serinc1
11502	4046	465.0763767	819.9540576	0.818075416	0.035383393	Up	0.001212648	Adam9
231050	2541	131.8915916	232.5166262	0.817981288	0.033013364	Up	0.001030378	Galnt11
71778	3591	429.8971645	757.6700635	0.817578152	0.019290109	Up	0.000208714	Klhl5
22337	4354	198.9571531	350.1737469	0.815613157	0.027754492	Up	0.000672075	Vdr
12488	5420	702.3832802	1233.5644	0.812502628	0.039614604	Up	0.001583081	Cd2ap
108156	3324	140.9703315	247.5577259	0.812373408	0.031024337	Up	0.000881366	Mthfd1
54610	4451	407.8674549	715.5663078	0.810985066	0.032792895	Up	0.000995608	Tbc1d8
12568	2160	414.0814507	726.3404616	0.810731373	0.041958813	Up	0.001747304	Cdk5
71967	1751	288.7769221	506.2797981	0.809979466	0.036468422	Up	0.001317435	Mageb16
228026	5202	303.1112137	531.1926631	0.809387994	0.043920578	Up	0.001899053	Pdk1
76932	3277	180.7322872	316.6533977	0.809050298	0.028667338	Up	0.000726663	Arfp2
279706	1728	242.9598928	425.6475034	0.808940992	0.030884535	Up	0.000870737	Nup62cl
109624	3968	303.2228208	530.5516954	0.807114994	0.042493831	Up	0.001791566	Cald1
11539	5239	1058.748367	1852.495767	0.807110502	0.036140693	Up	0.001284749	Adora1
71529	4148	218.2707235	381.7851554	0.806642373	0.049557727	Up	0.002456883	Kazn
12521	1823	267.6945066	468.1570918	0.806405179	0.019290109	Up	0.000224588	Cd82
64294	2024	1198.749267	2096.403989	0.806386826	0.044392823	Up	0.001959067	Itm2c
74772	4302	840.8381005	1470.347434	0.806257147	0.042697432	Up	0.001803832	Atp13a2
240028	5181	289.8045198	506.6744429	0.805978964	0.0288274	Up	0.00073696	Lnpep
52857	3146	437.7878781	765.282351	0.80576012	0.023867335	Up	0.000458888	Gramd1a
BGI_novel_1	10068	188.4993409	329.2943794	0.804818408	0.048105517	Up	0.002319273	NA

666704	2071	140.0864985	244.4468648	0.803202985	0.037248816	Up	0.001354299	Samd1
666938	7708	750.6184277	1308.601945	0.801874706	0.04501294	Up	0.002013492	Bend4
76484	5525	254.9157011	444.2662786	0.801404403	0.023191052	Up	0.000417559	Kncd1
19230	2973	508.9012073	886.857496	0.801316691	0.049620513	Up	0.002468838	Twf1
93681	8749	169.0319133	294.5578223	0.801255212	0.035258064	Up	0.001197831	Zkscan8
70461	5110	321.5879406	560.0054801	0.800227638	0.033829625	Up	0.001085932	Crtc3
19266	9629	272.3306466	473.9961566	0.799516016	0.027754492	Up	0.000669332	Ptprd
71145	3794	839.7749297	1461.472383	0.799347943	0.017243156	Up	0.000126388	Scara5
69847	4155	384.0146167	668.3054305	0.799346372	0.028821318	Up	0.000734896	Wnk4
331401	7631	464.2221292	807.3973524	0.798463559	0.029999551	Up	0.000819921	Thoc2
16573	6030	873.9989451	1516.936685	0.795457427	0.030720673	Up	0.000851582	Kif5b
228140	5821	232.4105578	403.284096	0.795120904	0.04728735	Up	0.002248375	Tnks1bp1
78521	4691	304.5328866	528.2665136	0.794667928	0.035789102	Up	0.001250788	B230219D22Rik
26416	3418	268.9600659	466.010077	0.792969169	0.042288518	Up	0.001768326	Mapk14
216810	4802	626.3207681	1083.430217	0.790632611	0.02969684	Up	0.000789884	Tom1l2
545156	3553	204.7693542	354.2086586	0.790599661	0.040417021	Up	0.001634313	Kalrn
18679	5505	126.0695985	217.8819909	0.789326541	0.04728735	Up	0.002257793	Phka1
56526	3786	689.6241253	1191.797229	0.789256648	0.024005571	Up	0.000479281	6-Sep
67905	1844	424.2547644	732.832631	0.788552883	0.035756734	Up	0.00124346	Ppm1m
22127	842	376.8534213	650.3321671	0.787173295	0.030720673	Up	0.000858697	Tsx
12913	1582	420.3717005	725.3594299	0.787030506	0.046839096	Up	0.002196876	Creb3
668661	2463	644.0665477	1110.494338	0.78592037	0.024005571	Up	0.000478262	2410002F23Rik
432731	4888	337.4796175	580.8261509	0.783306039	0.049620513	Up	0.002502994	Zscan26
52592	2503	222.0240769	382.1166357	0.783296933	0.049620513	Up	0.002502495	Brms1l
22431	2724	627.2450612	1078.212565	0.781540516	0.038112899	Up	0.001431717	Wt1
231670	3913	1394.323974	2396.548595	0.78139238	0.024744639	Up	0.000518425	Fbxo21
14269	6750	400.0700702	687.6357391	0.781391827	0.021898165	Up	0.000337955	Fnbp1
64652	5606	1008.827002	1732.276771	0.779990656	0.019290109	Up	0.000215304	Nisch
12371	3899	179.7930815	308.6757849	0.779754804	0.020677778	Up	0.000279004	Casp9
320706	13232	703.0263068	1206.632211	0.77933542	0.020313741	Up	0.000260394	Soga1
14360	3537	687.9635935	1180.513895	0.779010896	0.029640645	Up	0.000782109	Fyn
329324	7896	99.08497095	170.0045942	0.778835581	0.037679028	Up	0.001392833	Syt14
20729	4454	631.9818717	1084.201969	0.778678452	0.047055195	Up	0.002219183	Spin1
233765	5005	184.3705111	316.114806	0.777840685	0.045348731	Up	0.002062461	Plekha7
28109	3535	325.7952212	558.3312516	0.777155868	0.04008404	Up	0.001614002	D10Wsu102e
230676	10988	522.1708319	894.3332722	0.776290678	0.017959615	Up	0.000161454	Szt2
75547	10663	546.4754358	935.891649	0.776184866	0.041831776	Up	0.001735262	Akap13
67912	2588	166.4354856	285.0347606	0.776174807	0.049620513	Up	0.002501709	1600012H06Rik
18744	2629	1615.375887	2760.564827	0.773093571	0.044392823	Up	0.001959661	Pja1
279561	10262	566.1068506	967.2909841	0.77287557	0.032960598	Up	0.001021432	Wnk3
16796	3433	783.8133482	1338.458496	0.771990356	0.038857226	Up	0.001494187	Lasp1
18477	1417	1169.708867	1995.564109	0.77064713	0.045691225	Up	0.002108205	Prdx1
14667	4257	4829.370327	8238.375148	0.770524726	0.044784075	Up	0.001992377	Gm2a
66855	2948	906.8547436	1546.945702	0.77047917	0.02476866	Up	0.000521063	Tcf25
231327	4008	245.2392482	418.3101319	0.770383055	0.035097284	Up	0.0011862	Ppat
231549	3805	401.7978677	685.3048693	0.77027603	0.023191052	Up	0.000421858	Lrrc8d
235542	6285	260.2443964	443.7926952	0.770018822	0.038951188	Up	0.001509965	Ppp2r3a
215748	3430	239.7949646	408.504399	0.76855025	0.032960598	Up	0.001024159	Cnksr3
269424	5551	532.2363666	906.118336	0.767632383	0.036140693	Up	0.001285342	Jade1
74493	6461	823.4755724	1401.822551	0.767505979	0.030720673	Up	0.00085463	Tnks2
22142	1597	1710.013085	2909.936941	0.766980525	0.040719473	Up	0.001660586	Tuba1a
51789	4515	559.4510577	951.9974069	0.766945718	0.027587111	Up	0.000651711	Tnk2
13039	3509	5380.813487	9137.915417	0.764040788	0.047431598	Up	0.002277829	Ctsl
207565	4848	728.9917746	1237.32983	0.763255684	0.033255219	Up	0.001041095	Camkk2
64297	4585	787.6079244	1335.739917	0.762089595	0.028647059	Up	0.000724914	Gprc5b
19349	2175	748.4142969	1269.07571	0.761869116	0.042747251	Up	0.001807779	Rab7
140742	2798	471.8204245	799.2017836	0.760321931	0.049620513	Up	0.002502726	Sesn1
232944	2259	412.4009046	698.2897632	0.759778326	0.034477571	Up	0.001139988	Mark4
50767	4478	189.9844145	321.6032187	0.759400775	0.049017662	Up	0.002389859	Pnplp6
213332	5877	224.320331	379.4604905	0.758389297	0.03619705	Up	0.001290286	Mfsd4b4
11987	7197	769.9632774	1301.908701	0.757766735	0.035756734	Up	0.001247023	Sic7a1
18844	8819	1382.982958	2335.790228	0.756127336	0.019290109	Up	0.000216686	Plxna1
15354	1638	439.2725396	741.7165838	0.755751711	0.032707533	Up	0.000991223	Hmgb3
98952	4516	1252.102788	2113.669412	0.755396749	0.037982446	Up	0.001421251	Fam102a
14190	3769	529.5456112	892.3380848	0.752835462	0.04424094	Up	0.001939011	Fgl2
58800	7144	567.0045987	954.0869234	0.750760275	0.032205644	Up	0.000962129	Trpm7
77781	7273	384.3994493	646.5933983	0.750252508	0.035789102	Up	0.001258839	Epm2aip1
11732	3511	258.3427189	433.6002295	0.747079297	0.036277926	Up	0.001297836	Ank
17289	6800	616.5639755	1034.631328	0.746794278	0.038987999	Up	0.001514342	Mertk
52250	3815	1583.05426	2655.552119	0.74630114	0.037405547	Up	0.001377089	Reep1
211347	7365	702.6167684	1177.036721	0.744349417	0.045052642	Up	0.002019862	Pank3
110542	1947	3583.363174	5992.929104	0.741947039	0.045918423	Up	0.002124002	Amhr2
231051	12623	861.1424544	1438.120047	0.73986029	0.016201681	Up	9.99E-05	Kmt2c
14456	2594	1289.328247	2152.534761	0.739416932	0.036328559	Up	0.001307864	Gas6
67092	2357	1910.667579	3189.650435	0.739321525	0.033348188	Up	0.001050891	Gatm
320011	9119	676.3889303	1125.667143	0.734855335	0.036328559	Up	0.001305212	Uggt1
13819	5352	623.4865257	1037.153961	0.734199785	0.03315646	Up	0.001036273	Epas1
433855	2849	1262.100551	2098.275344	0.733377153	0.027628922	Up	0.00066174	Al506816
16511	4114	446.0509856	740.607872	0.731501258	0.041831776	Up	0.00173767	Kcnh2
74315	3633	367.6018229	610.0086577	0.730685798	0.030720673	Up	0.000860761	Rnf145
23992	1554	360.8917468	598.0967761	0.72881279	0.049620513	Up	0.002479259	Prkra

209446	3160	384.5550689	637.0517547	0.728220374	0.049017662	Up	0.002383586	Tfe3
72949	4825	379.6916737	628.8590636	0.727908362	0.016828865	Up	0.000114588	Ccnt2
69504	4363	239.0177141	395.1506007	0.725285058	0.029800929	Up	0.000802638	Zfp932
208890	5050	294.4544649	486.2274704	0.723586854	0.045107523	Up	0.002038281	Slc26a7
BGI_novel_1	3237	151.1152408	249.5225316	0.723520923	0.033255219	Up	0.001042227	NA
72739	4634	389.4137526	642.8785381	0.723242353	0.02997963	Up	0.000816147	Zkscan3
225579	2598	291.0654519	480.1708923	0.722204342	0.041103186	Up	0.001682635	Slc27a6
17920	7856	578.0343034	952.7758622	0.720981752	0.039209834	Up	0.001541551	Myo6
72193	7779	602.6929523	992.9838235	0.720347021	0.038150584	Up	0.001439947	Scaf11
72823	8409	169.3205974	278.5722438	0.718294035	0.033413875	Up	0.001064485	Pard3b
102098	5300	362.174795	595.8260143	0.718204967	0.043106975	Up	0.001843433	Arhgef18
11614	1811	273.4991545	447.5996236	0.71067245	0.04619093	Up	0.002140589	Nr0b1
72611	3849	270.3575978	441.8883713	0.708813065	0.04424094	Up	0.001943863	Zfp655
16324	4255	569.9178362	930.1403099	0.706694416	0.039268924	Up	0.00154726	Inhbb
223723	3770	269.0667283	438.6289666	0.705037085	0.049620513	Up	0.002500041	Ttll12
320267	3321	245.8444807	400.088752	0.702574103	0.021898165	Up	0.000337884	Fubp3
228359	2973	459.2668669	747.0249397	0.701823702	0.03964374	Up	0.001589373	Arhgap1
13002	4350	656.3241103	1067.350265	0.701553356	0.038150584	Up	0.001441905	Dnajc5
83674	4767	184.7016215	300.2100771	0.700775873	0.048039718	Up	0.002313246	Cnmn1
15481	2104	3838.931974	6238.401098	0.700471318	0.038951188	Up	0.001504362	Hspa8
1.01E+08	9672	450.841412	731.9923577	0.699208546	0.04297249	Up	0.001835786	Epg5
107272	2188	352.6565743	572.2405361	0.698357763	0.040704366	Up	0.001652951	Psat1
406217	784	242.8125494	393.6751371	0.697162614	0.049620513	Up	0.00249706	Bex4
26457	3431	810.1401269	1311.373823	0.694835629	0.033843391	Up	0.001099141	Slc27a1
241915	11013	527.9277292	854.0654126	0.694006124	0.047474195	Up	0.002281921	Phc3
16897	4415	406.7827705	657.9889534	0.693804789	0.038951188	Up	0.001507943	Llg1
74318	1114	128.4435203	207.5570118	0.692373559	0.046306948	Up	0.002155652	Hopx
268932	7092	543.381117	877.8848347	0.692067261	0.049557727	Up	0.002458979	Caskin1
69632	10740	943.6757467	1523.805141	0.691315298	0.048788649	Up	0.002366394	Arhgef12
103583	4261	450.2730104	726.7485845	0.690656352	0.049017662	Up	0.002398008	Fbxw11
70354	6795	485.3267257	783.2059329	0.690435386	0.044209219	Up	0.00192739	Secisbp2l
74164	5808	1077.556768	1736.581868	0.68848655	0.049620513	Up	0.002505448	Nfx1
217866	6718	1360.924683	2185.70613	0.683512216	0.041416086	Up	0.001702313	Cdc42bpb
106529	1235	641.869501	1029.901853	0.682154941	0.030562952	Up	0.000841907	Tecr
228545	4054	408.8695713	654.2809015	0.678269459	0.045691225	Up	0.002103387	Vps18
51792	2256	566.228925	905.6188271	0.677518502	0.043951632	Up	0.001904185	Ppp2r1a
14104	9938	2118.425024	3377.857228	0.673116282	0.045107523	Up	0.002041933	Fasn
18023	4354	1492.758057	2373.773755	0.669202083	0.049620513	Up	0.00248814	Nfe2l1
54446	13331	1622.202859	2576.827543	0.667641745	0.019290109	Up	0.000205908	Nfat5
72141	3170	247.0780367	391.5370606	0.664182099	0.034643284	Up	0.001148693	Adpgk
78455	11620	1487.943236	2351.220496	0.660090351	0.041736202	Up	0.001727239	Helz
17880	5340	622.1266749	982.8290081	0.659732073	0.043879128	Up	0.001891586	Myh11
320878	6564	458.6178018	724.5142742	0.659721758	0.04424094	Up	0.001943388	Mical2
20535	4223	844.9085868	1333.47319	0.658321654	0.039354662	Up	0.001554616	Slc4a2
12829	10158	478.2506881	754.1456705	0.657076177	0.023206472	Up	0.000424173	Col4a4
17330	2619	374.6587974	588.8422439	0.652303847	0.031065173	Up	0.000885944	Minpp1
75352	1620	439.5229829	688.8266134	0.648202277	0.045077648	Up	0.00202487	4930550L24Rik
11426	15468	2833.49666	4430.612662	0.644922706	0.049636559	Up	0.002509966	Macf1
11305	8094	460.2884194	718.413023	0.642275357	0.037248816	Up	0.001357824	Abca2
108089	5397	587.2761408	914.209078	0.638485118	0.033461705	Up	0.001067451	Rnf144a
102209	1503	209.2080701	324.8948343	0.635034301	0.030720673	Up	0.000863464	Snapc2
17909	7173	1047.986792	1619.906651	0.628290144	0.044144165	Up	0.001916333	Myo10
319565	16785	2952.402436	4554.121168	0.625283291	0.044896177	Up	0.002001235	Syne2
105439	2269	293.5766393	452.6756141	0.624740416	0.032960598	Up	0.001013254	Slain1
78757	9339	589.1107135	905.8302377	0.620701909	0.01609485	Up	9.75E-05	Rictor
68744	4098	349.775793	535.3849838	0.614146228	0.044591294	Up	0.001979956	Zfp740
319277	5863	263.5393416	402.9444	0.612562437	0.049557727	Up	0.002452601	A230046K03Rik
67839	4087	500.5770001	761.584833	0.605412742	0.042307773	Up	0.00177436	Gpsm1
56364	5320	1135.971597	1727.511495	0.604768547	0.044528669	Up	0.001969497	Zymn3
223922	7244	564.4831939	851.4039629	0.592913176	0.04555032	Up	0.00207931	Atf7
50796	2251	318.9260282	480.3384267	0.590829384	0.027628922	Up	0.000662227	Dmrt1
218271	2317	235.6950653	354.5029455	0.588876061	0.048239792	Up	0.002335357	B4galt7
12009	3589	1265.921603	842.2687418	-0.587835532	0.030720673	Down	0.000863468	Cep131
93834	2632	2842.457794	1888.173098	-0.590147897	0.001326263	Down	5.72E-07	Peli2
70544	1361	1457.540769	954.5386005	-0.610660793	0.004898185	Down	6.60E-06	Tmem242
BGI_novel_1	5149	586.00963	383.4069112	-0.61204803	0.030720673	Down	0.000854134	NA
67081	1336	430.6117475	277.5311599	-0.633737918	0.042811427	Down	0.001819298	1700025F24Rik
236082	2347	1188.293524	755.5651888	-0.653263106	0.037963609	Down	0.001415402	Dhrsx
66479	1132	8472.869163	5378.355514	-0.65568547	1.58E-05	Down	3.41E-09	1700029F12Rik
65020	3549	3547.132323	2247.9386	-0.658050519	0.004710536	Down	4.06E-06	Zfp110
1E+08	787	17282.82517	10938.56092	-0.65991612	0.029198712	Down	0.000757754	Gm3417
BGI_novel_1	10391	1396.501987	876.8389196	-0.671433886	0.034772702	Down	0.001166235	NA
214901	3230	413.5312554	259.4728772	-0.672412634	0.011836229	Down	3.21E-05	Chtf18
232878	3147	465.2425694	290.6490907	-0.678704713	0.01353896	Down	4.23E-05	Zscan22
214669	2838	1070.336869	666.4820275	-0.683427054	0.000411818	Down	1.60E-07	L3mbtl2
21648	791	14751.70813	8815.313713	-0.7427982	0.022968444	Down	0.000389652	Dynl1b
73090	879	471.0857805	281.2859897	-0.743952089	0.01353896	Down	5.30E-05	2900092C05Rik
BGI_novel_1	17940	1106.65652	656.8260542	-0.752624253	0.019312244	Down	0.000228325	NA
BGI_novel_1	3610	301.9237686	170.7411899	-0.822373197	0.017847561	Down	0.000138015	NA
73961	935	89.48933891	46.40484264	-0.947440453	0.040704366	Down	0.001651681	4930447J18Rik
BGI_novel_1	4388	131.3324711	67.4456469	-0.96142642	0.023934064	Down	0.000463545	NA

BGI_novel_1	1298	100.6536718	51.40714347	-0.969359049	0.026378819	Down	0.000601944	NA
1E+08	1999	92.12632831	43.74278723	-1.074568366	0.027181793	Down	0.000633933	Gm15023
BGI_novel_1	2233	87.13415637	36.36839199	-1.260553223	0.0159523	Down	9.01E-05	NA
BGI_novel_1	2385	59.13764791	24.16024439	-1.291441816	0.023934064	Down	0.000466362	NA
11870	1417	83.05626577	32.54827266	-1.351508028	0.017851899	Down	0.000141124	Art1
1E+08	1960	61.6751312	20.35938763	-1.598994711	0.031567216	Down	0.000926644	Gm2913
1.01E+08	646	14.15216285	4.575308542	-1.629081613	0.04728735	Down	0.002249582	Hbb-bt
74280	1328	144.1094531	44.71684366	-1.688274711	0.042481619	Down	0.0017885	1700084F23Rik
15495	1698	17.75201471	5.277275857	-1.750117464	0.034354593	Down	0.001132217	Hsd3b4
547349	1451	100.8433496	29.97135373	-1.750459792	0.035208054	Down	0.001194497	LOC547349
BGI_novel_1	862	9.76876861	2.771047636	-1.817745204	0.029978671	Down	0.000812053	NA
BGI_novel_1	3026	48.06961382	13.06870959	-1.879008517	0.01390321	Down	6.63E-05	NA
BGI_novel_1	2556	57.68736888	15.40292654	-1.905050976	0.01353896	Down	4.76E-05	NA
BGI_novel_1	1276	41.79722362	10.18709872	-2.036663884	0.014400365	Down	7.61E-05	NA
BGI_novel_1	397	11.04228141	2.179240526	-2.341140931	0.009509372	Down	2.09E-05	NA
BGI_novel_1	3452	38.57553476	5.321488459	-2.857784417	0.000193211	Down	6.66E-08	NA
BGI_novel_1	1245	23.25757059	2.520655881	-3.205829325	1.58E-05	Down	2.43E-09	NA
BGI_novel_1	1444	33.91700666	3.41911858	-3.310312487	9.64E-06	Down	8.32E-10	NA
BGI_novel_1	4273	179.3024219	3.837613963	-5.546041571	1.03E-26	Down	4.46E-31	NA